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2024 CALIFORNIA GAS REPORT WORKPAPERS

REDACTED VERSION



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HISTORICAL DATA

**ANNUAL GAS SUPPLY TAKEN, MMcf/d
RECORDED YEARS 2019-2023**

LINE		2019	2020	2021	2022	2023
	CAPACITY AVAILABLE					
1	California Sources					
	Out of State gas					
2	California Offshore (POPCO/PIOC)					
3	EI Paso Natural Gas Company					
4	Transwestern Pipeline company					
5	Kern River/Mojave Pipeline Company					
6	TransCanada GTN/PG&E					
7	Other					
8	TOTAL Output of State					
9	Underground storage withdrawal					
10	TOTAL Gas Supply available					
	GAS SUPPLY TAKEN	2019	2020	2021	2022	2023
	California Source Gas					
11	Regular Purchases	-	-	-	-	-
12	Received for Exchange/Transport	-	-	-	-	-
13	Total California Source Gas	-	-	-	-	-
14	Purchases from Other Utilities	-	-	-	-	-
	OUT-OF-STATE GAS					
15	Pacific Interstate Companies	-	-	-	-	-
16	Additional Core Supplies	-	-	-	-	-
17	Supplemental Supplies-Utility	127	126	126	122	128
18	Out-of-State Transport-Others	103	151	139	152	132
19	TOTAL OUT-OF-STATE GAS	230	277	265	274	260
20	TOTAL GAS SUPPLY TAKEN & TRANSPORTED	230	277	265	274	260

ANNUAL GAS SUPPLY AND SENDOUT, MMcf/d
RECORDED YEARS 2019-2023

LINE			2019	2020	2021	2022	2023
Actual Deliveries by End-Use							
1	CORE	Residential	80	81	78	74	82
2		Commercial	58	50	52	56	58
3		Industrial	-	-	-	-	-
4		Subtotal - CORE	138	131	130	130	140
5	NONCORE	Commercial	-	-	-	-	-
6		Industrial	13	13	15	19	18
7		Non-EOR Cogen/EG	43	84	77	76	77
8		Electric Utilities	33	41	36	46	25
9		Subtotal - NONCORE	89	138	128	141	120
10	WHOLESALE	All End Uses	-	-	-	-	-
11		Subtotal - Co Use & LUAF	4	8	7	3	1
12	SYSTEM TOTAL THROUGHPUT		231	277	265	274	261
Actual Transport & Exchange							
13	CORE	Residential	1	1	0	0	1
14		Commercial	14	12	11	11	12
15	NONCORE	Industrial	13	13	15	19	18
16		Non-EOR Cogen/EG	43	84	77	76	77
17		Electric Utilities	33	41	36	46	25
18		Subtotal - RETAIL	103	151	139	153	132
19	WHOLESALE	All End Uses	-	-	-	-	-
20	TOTAL TRANSPORT & EXCHANGE		103	151	139	153	132
Storage							
21		Storage Injection	-	-	-	-	-
22		Storage Withdrawal	-	-	-	-	-
Actual Curtailment							
23		Residential	-	-	-	-	-
24		Com/Indl & Cogen	-	-	-	-	-
25		Electric Generation	-	-	-	-	-
26	TOTAL CURTAILMENT		-	-	-	-	-
27	REFUSAL		-	-	-	-	-
ACTUAL DELIVERIES BY END-USE includes sales and transportation volumes							
MMbtu/Mcf:			1.032	1.025	1.030	1.028	1.025

FORECAST OF REQUIREMENTS
AVERAGE TEMPERATURE YEAR SUMMARY

TABLE 1-SDGE

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2024 THRU 2028

AVERAGE TEMPERATURE YEAR

LINE		2024	2025	2026	2027	2028	LINE
CAPACITY AVAILABLE ^{1/ & 2/}							
1	California Source Gas	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	3
GAS SUPPLY TAKEN							
4	California Source Gas	0	0	0	0	0	4
5	Southern Zone of SoCalGas	238	234	230	220	215	5
6	TOTAL SUPPLY TAKEN	238	234	230	220	215	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT	238	234	230	220	215	8
REQUIREMENTS FORECAST BY END-USE ^{3/}							
9	CORE ^{4/}	69	68	66	65	64	9
10	Residential	42	42	41	41	41	10
11	Commercial	4	4	4	4	4	11
12	Industrial	7	7	7	7	7	12
13	NGV	121	121	117	116	115	13
14	Subtotal-CORE	6	6	6	6	6	14
15	NONCORE	7	7	7	7	7	15
16	Commercial	102	99	98	89	86	16
17	Industrial	115	112	111	102	98	17
18	Electric Generation (EG)	2	2	2	2	2	18
19	Subtotal-NONCORE	238	234	230	220	215	19
20	Co. Use & LUAF	11	12	11	11	11	20
21	TRANSPORTATION AND EXCHANGE	13	13	13	13	13	21
22	CORE All End Uses	102	99	98	89	86	22
23	NONCORE Commercial/Industrial	126	123	122	113	110	23
24	Electric Generation (EG)	0	0	0	0	0	24
25	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	25
26	CURTAILMENT	0	0	0	0	0	26
27	Core	0	0	0	0	0	27
28	Noncore	0	0	0	0	0	28
29	TOTAL - Curtailment	0	0	0	0	0	29

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d:

113 112 109 108 106

TABLE 2-SDGE

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2029 THRU 2040

AVERAGE TEMPERATURE YEAR

LINE		2029	2030	2031	2035	2040	LINE
CAPACITY AVAILABLE ^{1/ & 2/}							
1	California Source Gas	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	3
GAS SUPPLY TAKEN							
4	California Source Gas	0	0	0	0	0	4
5	Southern Zone of SoCalGas	212	208	200	198	202	5
6	TOTAL SUPPLY TAKEN	212	208	200	198	202	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT	212	208	200	198	202	8
REQUIREMENTS FORECAST BY END-USE ^{3/}							
9	CORE ^{4/}	63	63	62	61	61	9
10	Residential	41	41	41	40	40	10
11	Commercial	4	4	4	4	4	11
12	Industrial	7	7	7	7	7	12
13	NGV	114	114	113	111	111	13
14	Subtotal-CORE	6	6	6	6	6	14
15	NONCORE	7	7	7	7	7	15
16	Commercial	83	80	73	73	77	16
17	Industrial	96	93	86	85	89	17
18	Electric Generation (EG)	2	2	2	2	2	18
19	Subtotal-NONCORE	212	208	200	198	202	19
20	Co. Use & LUAF	11	11	11	11	11	20
21	TRANSPORTATION AND EXCHANGE	13	13	13	12	13	21
22	CORE All End Uses	83	80	73	73	77	22
23	NONCORE Commercial/Industrial	107	104	97	96	100	23
24	Electric Generation (EG)	0	0	0	0	0	24
25	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	25
26	CURTAILMENT	0	0	0	0	0	26
	Core	0	0	0	0	0	
	Noncore	0	0	0	0	0	
	TOTAL - Curtailment	0	0	0	0	0	

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d:

106 105 104 103 103

FORECAST OF REQUIREMENTS
AVERAGE TEMPERATURE YEAR DETAIL

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2024

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	296	299	227	206	170	174	220	272	211	207	245	333	238	5
6	TOTAL SUPPLY TAKEN	296	299	227	206	170	174	220	272	211	207	245	333	238	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	296	299	227	206	170	174	220	272	211	207	245	333	238	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	113	105	90	74	54	42	39	39	39	45	75	113	69	9
10	Residential	55	55	48	45	37	34	32	32	33	34	44	56	42	10
11	Commercial	5	4	4	4	4	4	4	3	3	3	4	4	4	11
12	Industrial	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	178	171	148	130	100	87	81	81	83	90	131	179	121	13
14	Subtotal-CORE	7	7	7	7	6	5	5	5	5	6	6	7	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	101	112	63	60	55	73	125	177	115	103	99	137	102	16
17	Industrial	115	126	77	75	68	86	137	189	127	116	112	151	115	17
18	Electric Generation (EG)	2	2	2	2	1	1	2	2	2	2	2	3	2	18
19	Subtotal-NONCORE	296	299	227	206	170	174	220	272	211	207	245	333	238	19
20	Co. Use & LUAF	14	14	12	12	10	10	10	9	10	10	12	14	11	20
21	SYSTEM TOTAL THROUGHPUT	14	14	14	14	13	13	12	12	12	13	13	13	13	21
22	TRANSPORTATION AND EXCHANGE	101	112	63	60	55	73	125	177	115	103	99	137	102	22
23	CORE All End Uses	129	139	89	87	78	96	146	199	136	126	125	165	126	23
24	NONCORE Commercial/Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 169 162 139 121 93 79 73 73 75 81 121 169 113

SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 1-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2025**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	292	288	226	204	172	170	199	272	211	206	242	332	234	5
6	TOTAL SUPPLY TAKEN	292	288	226	204	172	170	199	272	211	206	242	332	234	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	292	288	226	204	172	170	199	272	211	206	242	332	234	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	110	107	88	73	53	41	38	38	38	44	74	111	68	9
10	Commercial	55	57	48	45	37	34	32	32	33	34	44	56	42	10
11	Industrial	5	5	4	4	4	4	4	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	176	175	147	129	99	86	81	80	82	89	129	177	121	13
14	NONCORE Commercial	7	7	7	7	6	5	5	5	5	6	6	7	6	14
15	Industrial	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Electric Generation (EG)	99	96	64	59	59	70	104	178	116	102	98	139	99	16
17	Subtotal-NONCORE	113	110	78	73	72	83	116	190	127	115	111	152	112	17
18	Co. Use & LUAF	2	2	2	2	1	1	2	2	2	2	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	292	288	226	204	172	170	199	272	211	206	242	332	234	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	14	12	12	10	10	10	10	10	10	12	14	12	20
21	NONCORE Commercial/Industrial	14	14	14	14	13	13	12	12	12	13	13	13	13	21
22	Electric Generation (EG)	99	96	64	59	59	70	104	178	116	102	98	139	99	22
23	TOTAL TRANSPORTATION & EXCHANGE	127	124	90	85	82	93	126	199	137	125	123	166	123	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

166	165	137	120	92	78	73	72	74	81	120	167	112
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 1-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2026**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	286	282	218	198	168	168	197	270	207	202	239	330	230	5
6	TOTAL SUPPLY TAKEN	286	282	218	198	168	168	197	270	207	202	239	330	230	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	286	282	218	198	168	168	197	270	207	202	239	330	230	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	107	104	85	71	51	40	37	37	37	43	72	107	66	9
10	Residential	53	55	46	43	36	33	31	31	32	33	43	54	41	10
11	Commercial	5	4	4	4	4	4	3	3	3	3	4	4	4	11
12	Industrial	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	171	170	142	125	97	84	79	78	80	87	126	172	117	13
14	Subtotal-CORE	7	7	7	6	6	5	5	5	5	6	6	7	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	98	95	60	57	57	70	104	177	114	102	98	142	98	16
17	Electric Generation (EG)	112	109	74	71	70	82	116	189	126	114	111	155	111	17
18	Subtotal-NONCORE	2	2	2	2	1	1	2	2	2	2	2	3	2	18
19	Co. Use & LUAF	286	282	218	198	168	168	197	270	207	202	239	330	230	19
20	SYSTEM TOTAL THROUGHPUT	13	14	12	12	10	10	10	9	10	10	12	14	11	20
21	TRANSPORTATION AND EXCHANGE	14	14	14	14	13	13	12	12	12	12	13	13	13	21
22	CORE All End Uses	98	95	60	57	57	70	104	177	114	102	98	142	98	22
23	NONCORE Commercial/Industrial	126	123	86	83	79	92	126	199	135	124	123	169	122	23
24	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

162	160	134	116	89	76	71	71	72	79	117	162	109
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 1-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2027**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	270	266	216	196	168	165	180	249	210	190	224	309	220	5
6	TOTAL SUPPLY TAKEN	270	266	216	196	168	165	180	249	210	190	224	309	220	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	270	266	216	196	168	165	180	249	210	190	224	309	220	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	106	102	84	70	51	40	37	37	37	43	71	106	65	9
10	Residential	53	55	46	43	36	33	31	31	32	33	43	54	41	10
11	Commercial	5	4	4	4	4	4	3	3	3	3	4	4	4	11
12	Industrial	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	169	169	141	124	96	83	78	78	80	86	125	170	116	13
14	Subtotal-CORE	7	7	7	6	6	5	5	5	5	6	6	7	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	84	81	59	56	58	68	88	158	118	90	84	123	89	16
17	Electric Generation (EG)	98	95	73	70	70	81	100	170	129	102	97	136	102	17
18	Subtotal-NONCORE	2	2	2	2	1	1	1	2	2	2	2	3	2	18
19	Co. Use & LUAF	270	266	216	196	168	165	180	249	210	190	224	309	220	19
20	SYSTEM TOTAL THROUGHPUT	13	14	12	12	10	10	10	9	10	10	12	14	11	20
21	TRANSPORTATION AND EXCHANGE	14	14	14	14	13	13	12	12	12	12	13	13	13	21
22	CORE All End Uses	84	81	59	56	58	68	88	158	118	90	84	123	89	22
23	NONCORE Commercial/Industrial	111	109	85	82	80	90	110	179	139	113	109	150	113	23
24	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

160	159	132	115	88	76	71	70	72	78	115	160	108
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 1-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2028**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	267	257	211	191	165	163	177	249	185	185	221	307	215	5
6	TOTAL SUPPLY TAKEN	267	257	211	191	165	163	177	249	185	185	221	307	215	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	267	257	211	191	165	163	177	249	185	185	221	307	215	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	104	97	83	69	50	39	36	36	36	42	70	104	64	9
10	Residential	53	53	46	43	36	33	31	31	32	33	43	54	41	10
11	Commercial	4	4	4	4	4	4	3	3	3	3	4	4	4	11
12	Industrial	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	167	161	139	123	95	83	78	77	79	85	123	168	115	13
14	Subtotal-CORE	7	7	7	6	5	5	5	5	5	6	6	7	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	84	80	56	53	56	66	86	158	94	86	83	123	86	16
17	Electric Generation (EG)	98	94	70	67	69	79	98	170	105	98	96	136	98	17
18	Subtotal-NONCORE	2	2	2	2	1	1	1	2	2	2	2	3	2	18
19	Co. Use & LUAF	267	257	211	191	165	163	177	249	185	185	221	307	215	19
20	SYSTEM TOTAL THROUGHPUT	13	13	12	12	10	9	9	9	10	10	12	14	11	20
21	TRANSPORTATION AND EXCHANGE	14	13	14	14	13	13	12	12	11	12	13	13	13	21
22	CORE All End Uses	84	80	56	53	56	66	86	158	94	86	83	123	86	22
23	NONCORE Commercial/Industrial	111	107	82	79	79	88	108	180	115	108	108	150	110	23
24	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	26
	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

158	151	130	114	87	75	70	69	71	77	114	158	106
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 2-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2029**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	266	263	207	189	165	161	165	251	187	175	208	309	212	5
6	TOTAL SUPPLY TAKEN	266	263	207	189	165	161	165	251	187	175	208	309	212	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	266	263	207	189	165	161	165	251	187	175	208	309	212	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	103	100	82	68	49	39	36	36	36	42	69	103	63	9
10	Commercial	53	55	46	43	36	33	31	31	32	33	43	53	41	10
11	Industrial	4	4	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	166	165	138	122	95	82	77	77	79	85	122	167	114	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	98	95	67	65	69	77	86	172	107	88	84	139	96	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	2	1	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	266	263	207	189	165	161	165	251	187	175	208	309	212	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	13	14	12	12	10	9	9	9	10	10	12	14	11	20
21															21
22	NONCORE All End Uses	98	95	67	65	69	77	86	172	107	88	84	139	96	22
23	TOTAL TRANSPORTATION & EXCHANGE	111	109	79	77	79	87	96	181	116	98	96	153	107	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

156	155	129	113	87	75	70	69	71	77	113	157	106
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 2-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2030**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	267	263	206	189	164	161	165	229	187	172	211	288	208	5
6	TOTAL SUPPLY TAKEN	267	263	206	189	164	161	165	229	187	172	211	288	208	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	267	263	206	189	164	161	165	229	187	172	211	288	208	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	101	98	81	67	49	39	36	36	36	41	68	101	63	9
10	Commercial	53	55	46	43	36	33	31	31	32	33	43	53	41	10
11	Industrial	4	4	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	165	164	137	121	94	82	77	76	78	85	122	165	114	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	100	97	67	66	68	77	86	151	107	86	88	121	93	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	2	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	267	263	206	189	164	161	165	229	187	172	211	288	208	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	13	14	12	12	10	9	9	9	10	10	12	14	11	20
21															21
22	NONCORE All End Uses	100	97	67	66	68	77	86	151	107	86	88	121	93	22
23	TOTAL TRANSPORTATION & EXCHANGE	113	111	79	77	78	87	96	160	117	96	100	134	104	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDT/h/d:

155	154	129	112	86	74	69	69	70	76	113	155	105
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 2-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2031**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	266	248	204	188	163	163	164	207	170	164	200	268	200	5
6	TOTAL SUPPLY TAKEN	266	248	204	188	163	163	164	207	170	164	200	268	200	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	266	248	204	188	163	163	164	207	170	164	200	268	200	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	100	97	80	67	48	38	35	35	36	41	67	100	62	9
10	Commercial	52	55	46	43	36	33	31	31	32	33	43	53	41	10
11	Industrial	4	4	4	4	3	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	163	163	136	121	94	82	77	76	78	84	121	164	113	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	100	83	66	66	68	80	86	130	90	78	78	101	86	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	266	248	204	188	163	163	164	207	170	164	200	268	200	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	13	14	12	12	10	9	9	9	10	10	12	14	11	20
21															21
22	NONCORE All End Uses	100	83	66	66	68	80	86	130	90	78	78	101	86	22
23	TOTAL TRANSPORTATION & EXCHANGE	113	97	78	78	78	89	96	139	100	88	90	115	97	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDT/h/d:

154	153	128	112	86	74	69	69	70	76	112	154	104
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 2-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2035**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	267	246	205	185	162	160	165	215	170	160	193	250	198	5
6	TOTAL SUPPLY TAKEN	267	246	205	185	162	160	165	215	170	160	193	250	198	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	267	246	205	185	162	160	165	215	170	160	193	250	198	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	98	95	79	66	48	38	35	35	35	40	66	98	61	9
10	Commercial	51	53	45	42	35	33	31	31	32	32	42	52	40	10
11	Industrial	4	4	4	4	3	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	160	159	134	118	92	81	76	75	77	83	119	161	111	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	105	85	70	65	68	79	88	138	91	75	73	87	85	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	267	246	205	185	162	160	165	215	170	160	193	250	198	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	13	13	12	12	10	9	9	9	10	10	12	13	11	20
21															21
22	NONCORE All End Uses	105	85	70	65	68	79	88	138	91	75	73	87	85	22
23	TOTAL TRANSPORTATION & EXCHANGE	118	98	82	76	78	88	98	147	101	85	85	101	96	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

150	150	125	110	85	73	68	68	69	75	110	151	103
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 2-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2040**

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	276	245	204	188	160	163	171	229	176	165	195	257	202	5
6	TOTAL SUPPLY TAKEN	276	245	204	188	160	163	171	229	176	165	195	257	202	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	276	245	204	188	160	163	171	229	176	165	195	257	202	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	99	93	79	66	48	39	36	36	36	41	67	99	61	9
10	Commercial	51	51	45	42	35	33	31	31	32	33	42	53	40	10
11	Industrial	4	4	4	4	3	4	3	3	3	3	4	4	4	11
12	NGV	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	160	154	134	119	93	81	77	76	78	84	119	162	111	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	113	89	68	68	66	80	93	151	97	79	74	92	89	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	276	245	204	188	160	163	171	229	176	165	195	257	202	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	13	13	12	12	10	9	9	9	10	10	12	14	11	20
21															21
22	NONCORE All End Uses	113	89	68	68	66	80	93	151	97	79	74	92	89	22
23	TOTAL TRANSPORTATION & EXCHANGE	126	102	80	79	76	89	102	160	107	89	85	106	100	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

151	145	125	110	85	74	69	69	70	76	110	152	103
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FORECAST OF REQUIREMENTS
COLD TEMPERATURE YEAR SUMMARY

TABLE 3-SDGE

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2024 THRU 2028

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		2024	2025	2026	2027	2028	LINE
CAPACITY AVAILABLE ^{1/ & 2/}							
1	California Source Gas	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	3
GAS SUPPLY TAKEN							
4	California Source Gas	0	0	0	0	0	4
5	Southern Zone of SoCalGas	247	243	238	229	222	5
6	TOTAL SUPPLY TAKEN	247	243	238	229	222	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT	247	243	238	229	222	8
REQUIREMENTS FORECAST BY END-USE ^{3/}							
9	CORE ^{4/}						9
10	Residential	73	72	71	70	68	10
11	Commercial	44	44	43	43	42	11
12	Industrial	4	4	4	4	4	12
13	NGV	7	7	7	7	7	13
	Subtotal-CORE	128	127	124	123	121	
14	NONCORE						14
15	Commercial	6	6	6	6	6	15
16	Industrial	7	7	7	7	7	16
17	Electric Generation (EG)	104	100	99	91	86	17
	Subtotal-NONCORE	117	114	112	104	99	
18	Co. Use & LUAF	2	2	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	247	243	238	229	222	19
TRANSPORTATION AND EXCHANGE							
20	CORE						20
21	Noncore						21
22	Commercial/Industrial	12	12	12	12	12	22
23	Electric Generation (EG)	13	13	13	13	13	23
	TOTAL TRANSPORTATION & EXCHANGE	104	100	99	91	86	
		129	126	124	116	111	
CURTAILMENT							
24	Core	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d:

119 118 115 114 112

TABLE 4-SDGE

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2029 THRU 2040

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		2029	2030	2031	2035	2040	LINE
CAPACITY AVAILABLE ^{1/ & 2/}							
1	California Source Gas	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	3
GAS SUPPLY TAKEN							
4	California Source Gas	0	0	0	0	0	4
5	Southern Zone of SoCalGas	220	216	207	205	209	5
6	TOTAL SUPPLY TAKEN	220	216	207	205	209	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT	220	216	207	205	209	8
REQUIREMENTS FORECAST BY END-USE ^{3/}							
9	CORE ^{4/}						9
10	Residential	68	67	67	66	66	10
11	Commercial	42	42	42	41	41	11
12	Industrial	4	4	4	4	4	12
13	NGV	7	7	7	7	7	13
	Subtotal-CORE	121	120	119	117	118	
14	NONCORE						14
15	Commercial	6	6	6	6	6	15
16	Industrial	7	7	7	7	7	16
17	Electric Generation (EG)	84	81	74	73	77	17
	Subtotal-NONCORE	97	94	86	86	90	
18	Co. Use & LUAF	2	2	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	220	216	207	205	209	19
TRANSPORTATION AND EXCHANGE							
20	CORE						20
21	Noncore						21
22	Commercial/Industrial	12	12	12	11	11	22
23	Electric Generation (EG)	13	13	13	13	13	23
	TOTAL TRANSPORTATION & EXCHANGE	84	81	74	73	77	
		109	105	98	97	101	
CURTAILMENT							
24	Core	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d:

112 111 110 109 109

FORECAST OF REQUIREMENTS
COLD TEMPERATURE YEAR DETAIL

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2024

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	313	315	241	217	178	181	221	273	214	210	253	351	247	5
6	TOTAL SUPPLY TAKEN	313	315	241	217	178	181	221	273	214	210	253	351	247	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	313	315	241	217	178	181	221	273	214	210	253	351	247	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	124	116	97	79	56	43	39	39	39	46	80	125	73	9
10	Residential	59	59	51	47	38	34	32	32	33	35	46	60	44	10
11	Commercial	5	5	5	5	4	4	4	3	3	3	4	5	4	11
12	Industrial	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	194	186	159	137	103	87	81	81	83	91	137	196	128	13
14	Subtotal-CORE	8	7	7	7	6	5	5	5	5	6	7	8	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	102	112	65	63	60	79	126	178	118	104	99	138	104	16
17	Industrial	117	126	79	78	73	92	138	190	130	117	113	152	117	17
18	Electric Generation (EG)	3	3	2	2	1	2	2	2	2	2	2	3	2	18
19	Subtotal-NONCORE	313	315	241	217	178	181	221	273	214	210	253	351	247	19
20	Co. Use & LUAF	15	15	13	12	10	10	10	9	10	10	13	15	12	20
21	SYSTEM TOTAL THROUGHPUT	15	14	15	15	13	13	12	12	12	13	14	14	13	21
22	TRANSPORTATION AND EXCHANGE	102	112	65	63	60	79	126	178	118	104	99	138	104	22
23	CORE All End Uses	131	141	93	90	83	102	148	199	140	127	126	167	129	23
24	NONCORE Commercial/Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 184 176 150 128 96 79 74 73 75 83 128 185 119

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2025

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	309	304	239	215	181	177	200	273	212	208	250	349	243	5
6	TOTAL SUPPLY TAKEN	309	304	239	215	181	177	200	273	212	208	250	349	243	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	309	304	239	215	181	177	200	273	212	208	250	349	243	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	121	118	96	78	55	42	38	38	38	45	79	122	72	9
10	Residential	59	61	51	47	38	35	32	32	33	35	46	60	44	10
11	Commercial	5	5	5	5	4	4	4	3	3	3	4	5	4	11
12	Industrial	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	192	190	157	136	103	87	81	80	82	91	136	194	127	13
14	Subtotal-CORE	8	8	7	7	6	5	5	5	5	6	7	8	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	99	96	65	62	64	76	106	178	116	103	98	139	100	16
17	Industrial	114	111	80	77	77	89	118	190	128	115	112	153	114	17
18	Electric Generation (EG)	3	3	2	2	2	1	2	2	2	2	2	3	2	18
19	Subtotal-NONCORE	309	304	239	215	181	177	200	273	212	208	250	349	243	19
20	Co. Use & LUAF	15	15	13	12	10	10	10	10	10	10	13	15	12	20
21	SYSTEM TOTAL THROUGHPUT	15	15	15	15	13	13	12	12	12	13	14	14	13	21
22	TRANSPORTATION AND EXCHANGE	99	96	65	62	64	76	106	178	116	103	98	139	100	22
23	Core	129	126	93	89	87	98	127	200	138	126	125	168	126	23
24	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	27

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

181 180 148 127 95 79 73 72 74 82 127 183 118

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2026

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	302	298	230	207	174	173	198	270	208	205	247	348	238	5
6	TOTAL SUPPLY TAKEN	302	298	230	207	174	173	198	270	208	205	247	348	238	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	302	298	230	207	174	173	198	270	208	205	247	348	238	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	118	115	93	76	54	41	37	37	37	44	77	119	71	9
10	Residential	57	59	49	45	37	34	31	31	32	34	45	58	43	10
11	Commercial	5	5	5	4	4	4	3	3	3	3	4	4	4	11
12	Industrial	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	187	185	153	132	100	84	79	78	80	88	133	189	124	13
14	Subtotal-CORE	8	7	7	7	6	5	5	5	5	6	7	8	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	98	95	61	58	60	74	105	178	115	102	98	142	99	16
17	Industrial	113	110	75	73	73	87	117	190	126	115	112	156	112	17
18	Electric Generation (EG)	3	2	2	2	1	1	2	2	2	2	2	3	2	18
19	Subtotal-NONCORE	302	298	230	207	174	173	198	270	208	205	247	348	238	19
20	Co. Use & LUAF	14	15	13	12	10	10	10	9	10	10	12	15	12	20
21	SYSTEM TOTAL THROUGHPUT	15	15	14	15	13	13	12	12	12	13	14	14	13	21
22	TRANSPORTATION AND EXCHANGE	98	95	61	58	60	74	105	178	115	102	98	142	99	22
23	CORE All End Uses	127	124	88	85	83	97	127	199	136	125	124	171	124	23
24	NONCORE Commercial/Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

177 175 144 123 92 77 71 71 72 80 123 178 115

SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 3-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2027**

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	286	281	229	206	176	171	183	250	212	193	232	326	229	5
6	TOTAL SUPPLY TAKEN	286	281	229	206	176	171	183	250	212	193	232	326	229	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	286	281	229	206	176	171	183	250	212	193	232	326	229	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	117	113	92	75	53	40	37	37	37	44	76	117	70	9
10	Commercial	57	59	49	45	37	34	31	31	32	34	45	58	43	10
11	Industrial	5	5	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	185	184	152	131	99	84	78	78	80	88	132	187	123	13
14	NONCORE Commercial	8	7	7	7	6	5	5	5	5	6	7	7	6	14
15	Industrial	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Electric Generation (EG)	84	81	61	59	63	73	91	158	119	91	85	123	91	16
17	Subtotal-NONCORE	99	95	75	73	76	86	103	170	130	104	98	137	104	17
18	Co. Use & LUAF	2	2	2	2	1	1	2	2	2	2	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	286	281	229	206	176	171	183	250	212	193	232	326	229	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	15	13	12	10	10	10	9	10	10	12	15	12	20
21	NONCORE Commercial/Industrial	15	15	14	14	13	13	12	12	12	12	13	14	13	21
22	Electric Generation (EG)	84	81	61	59	63	73	91	158	119	91	85	123	91	22
23	TOTAL TRANSPORTATION & EXCHANGE	113	110	88	86	86	95	113	180	140	114	111	151	116	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

175	173	143	122	91	76	71	70	72	79	122	176	114
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SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2028

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	283	272	224	200	170	164	178	250	187	187	229	324	222	5
6	TOTAL SUPPLY TAKEN	283	272	224	200	170	164	178	250	187	187	229	324	222	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	283	272	224	200	170	164	178	250	187	187	229	324	222	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/}	115	108	90	74	52	40	36	36	36	43	75	116	68	9
10	Residential	57	57	49	45	37	33	31	31	32	34	45	58	42	10
11	Commercial	5	4	4	4	4	4	3	3	3	3	4	4	4	11
12	Industrial	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	NGV	182	175	150	130	98	83	78	77	79	87	130	185	121	13
14	Subtotal-CORE	7	7	7	7	6	5	5	5	5	6	7	7	6	14
15	NONCORE	7	7	7	8	7	7	7	7	7	7	7	6	7	15
16	Commercial	84	81	57	54	58	67	87	159	95	87	84	123	86	16
17	Industrial	98	95	72	69	71	80	98	171	106	99	97	137	99	17
18	Electric Generation (EG)	2	2	2	2	1	1	1	2	2	2	2	3	2	18
19	Subtotal-NONCORE	283	272	224	200	170	164	178	250	187	187	229	324	222	19
20	Co. Use & LUAF	14	14	13	12	10	10	9	9	10	10	12	15	12	20
21	SYSTEM TOTAL THROUGHPUT	15	14	14	14	13	13	12	12	11	12	13	14	13	21
22	TRANSPORTATION AND EXCHANGE	84	81	57	54	58	67	87	159	95	87	84	123	86	22
23	CORE All End Uses	113	109	84	81	81	89	108	180	116	109	109	152	111	23
24	NONCORE Commercial/Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Electric Generation (EG)	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

173 165 141 121 90 75 70 69 71 79 121 174 112

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2029

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	282	279	219	198	170	162	167	251	188	177	216	326	220	5
6	TOTAL SUPPLY TAKEN	282	279	219	198	170	162	167	251	188	177	216	326	220	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	282	279	219	198	170	162	167	251	188	177	216	326	220	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	114	110	89	73	52	39	36	36	36	43	74	114	68	9
10	Commercial	57	59	49	45	37	33	31	31	32	34	45	58	42	10
11	Industrial	5	5	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	181	180	149	129	98	83	77	77	79	86	129	183	121	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	99	96	68	67	71	78	88	172	108	89	85	140	97	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	2	1	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	282	279	219	198	170	162	167	251	188	177	216	326	220	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	15	13	12	10	10	9	9	10	10	12	15	12	20
21															21
22	NONCORE All End Uses	99	96	68	67	71	78	88	172	108	89	85	140	97	22
23	TOTAL TRANSPORTATION & EXCHANGE	113	111	81	79	81	88	98	182	117	99	97	155	109	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

171	170	140	120	90	75	70	69	71	78	120	173	112
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 4-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2030

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	283	279	218	197	168	162	167	229	188	174	220	306	216	5
6	TOTAL SUPPLY TAKEN	283	279	218	197	168	162	167	229	188	174	220	306	216	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	283	279	218	197	168	162	167	229	188	174	220	306	216	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	112	109	89	72	51	39	36	36	36	42	73	113	67	9
10	Commercial	57	59	49	45	37	33	31	31	32	34	45	58	42	10
11	Industrial	5	5	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	180	179	148	128	97	82	77	76	78	86	129	182	120	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	101	97	68	67	69	78	88	151	108	86	89	122	94	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	2	1	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	283	279	218	197	168	162	167	229	188	174	220	306	216	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	15	13	12	10	10	9	9	10	10	12	15	12	20
21															21
22	NONCORE All End Uses	101	97	68	67	69	78	88	151	108	86	89	122	94	22
23	TOTAL TRANSPORTATION & EXCHANGE	115	112	81	79	79	88	98	160	118	96	101	136	105	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDT/h/d:

170 169 139 119 89 75 69 69 70 78 119 172 111

SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 4-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2031

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	282	264	216	196	167	163	165	207	171	166	209	285	207	5
6	TOTAL SUPPLY TAKEN	282	264	216	196	167	163	165	207	171	166	209	285	207	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	282	264	216	196	167	163	165	207	171	166	209	285	207	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	111	108	88	72	51	39	35	35	36	42	72	112	67	9
10	Commercial	56	59	49	45	36	33	31	31	32	34	44	58	42	10
11	Industrial	5	5	4	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	179	178	147	127	97	82	77	76	78	86	128	181	119	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	101	84	67	67	69	80	87	130	92	79	79	102	86	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	282	264	216	196	167	163	165	207	171	166	209	285	207	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	15	13	12	10	10	9	9	10	10	12	15	12	20
21															21
22	NONCORE All End Uses	101	84	67	67	69	80	87	130	92	79	79	102	86	22
23	TOTAL TRANSPORTATION & EXCHANGE	115	98	79	79	79	90	96	139	101	89	91	117	98	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

169 167 138 118 89 74 69 69 70 77 118 170 110

SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: **TABLE 4-SDGE**

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2035**

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	283	262	217	193	165	161	166	215	170	162	201	267	205	5
6	TOTAL SUPPLY TAKEN	283	262	217	193	165	161	166	215	170	162	201	267	205	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	283	262	217	193	165	161	166	215	170	162	201	267	205	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	109	106	86	71	50	38	35	35	35	41	71	110	66	9
10	Commercial	55	57	48	44	36	33	31	31	32	33	43	56	41	10
11	Industrial	5	4	4	4	3	4	3	3	3	3	4	4	4	11
12	NGV	6	7	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	175	174	144	125	95	81	76	75	77	85	126	177	117	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	106	86	71	66	69	79	88	138	91	76	74	88	86	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	283	262	217	193	165	161	166	215	170	162	201	267	205	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	14	12	12	10	9	9	9	10	10	12	14	11	20
21															21
22	NONCORE All End Uses	106	86	71	66	69	79	88	138	91	76	74	88	86	22
23	TOTAL TRANSPORTATION & EXCHANGE	120	100	83	78	79	88	98	147	101	86	86	102	97	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

165	164	135	116	88	74	68	68	69	76	116	167	109
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 4-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2040

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE ^{1/ & 2/}															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas ^{1/}	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	292	260	215	195	164	163	171	229	177	167	202	274	209	5
6	TOTAL SUPPLY TAKEN	292	260	215	195	164	163	171	229	177	167	202	274	209	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	292	260	215	195	164	163	171	229	177	167	202	274	209	8
REQUIREMENTS FORECAST BY END-USE ^{3/}															
9	CORE ^{4/} Residential	110	103	87	71	51	39	36	36	36	42	72	110	66	9
10	Commercial	55	55	48	44	36	33	31	31	32	33	44	58	41	10
11	Industrial	4	4	4	4	3	4	3	3	3	3	4	4	4	11
12	NGV	6	6	6	7	6	6	7	7	7	7	7	7	7	12
13	Subtotal-CORE	175	168	145	126	96	82	77	76	78	85	126	179	118	13
14	NONCORE														14
15															15
16															16
17	Subtotal-NONCORE	114	90	69	68	66	80	93	151	97	80	74	93	90	17
18	Co. Use & LUAF	2	2	2	2	1	1	1	2	1	1	2	2	2	18
19	SYSTEM TOTAL THROUGHPUT	292	260	215	195	164	163	171	229	177	167	202	274	209	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	14	14	12	12	10	9	9	9	10	10	12	15	11	20
21															21
22	NONCORE All End Uses	114	90	69	68	66	80	93	151	97	80	74	93	90	22
23	TOTAL TRANSPORTATION & EXCHANGE	128	104	81	80	76	89	102	160	107	90	86	108	101	23
CURTAILMENT															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2024 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

165 159 136 117 88 74 69 69 70 77 117 168 109

CUSTOMER FORECAST

Recorded Data Through 2023

SDG&E Gas Meter Forecast

Year	Residential	Commercial & Industrial	NGV	Noncore Commercial & Industrial	Electric Generation	Total
2021	873,304	30,163	38	51	98	903,654
2022	875,297	30,221	39	53	91	905,702
2023	877,559	30,347	39	55	92	908,091
2024	885,707	30,393	39	55	92	916,285
2025	893,830	30,435	39	55	92	924,451
2026	902,018	30,478	39	55	92	932,682
2027	910,127	30,517	39	55	92	940,830
2028	918,089	30,553	39	55	92	948,828
2029	925,972	30,587	39	55	92	956,745
2030	933,843	30,620	39	55	92	964,649
2031	941,671	30,650	39	55	92	972,507
2032	949,485	30,679	39	55	92	980,350
2033	957,381	30,708	39	55	92	988,275
2034	965,288	30,736	39	55	92	996,210
2035	973,231	30,762	39	55	92	1,004,179
2036	981,239	30,788	39	55	92	1,012,213
2037	989,313	30,814	39	55	92	1,020,313
2038	997,454	30,840	39	55	92	1,028,480
2039	1,005,661	30,866	39	55	92	1,036,713
2040	1,013,936	30,892	39	55	92	1,045,014

NAVIGATOR



POSTERITY
GROUP

Navigator™ Energy and Emissions Simulation Suite

Functional Specification Document

Version: 1.0

Date: December 2022

Posterity Group Consulting
135 Laurier Ave W, Suite 408
Ottawa, ON K1P 5J2



2 Overview of the Navigator Model

2.1 Purpose and Application

Posterity Group's [Navigator™ Energy and Emissions Simulation Suite](#) enables complex, multi-variable modelling not possible with traditional approaches. It lets planners quickly explore the energy landscape, investigate an unlimited range of scenarios, optimize to targets, and resolve vexing strategic challenges. All backed by Posterity Group's expert energy and emissions consulting services. Navigator incorporates over 20 years of modelling expertise into a powerful platform for:

- Integrated resource planning
- Energy efficiency potential estimates
- Demand side management (DSM) program planning
- Decarbonization pathway analysis
- Policy impact analysis, and greenhouse gas (GHG) emissions studies

Navigator uses a “bottom up” approach to develop demand scenarios. It starts with granular information about how energy is used at the end-use level (e.g., how natural gas is used to heat a home) and builds on this data to describe how energy is used at the segment (e.g., detached homes), sector (e.g., residential), regional (e.g., Vancouver Island) and provincial or state level (e.g., British Columbia).

Detailed data from census and other government sources, utility customer data, end use surveys and research reports are compiled by a powerful processing engine to produce a comprehensive dataset for analysis. Every calculated value is stored and can be filtered and rolled-up for maximum flexibility of analysis and presentation.

Easy access to detailed, “high-resolution” datasets plus fast processing power, ensure the simulation is a powerful means of performing complex scenario analysis such as:

- Load scenarios under a variety of demand growth, pricing, regulatory and technology adoption assumptions
- Demand Side Management potential savings from efficiency and distributed resource measures
- Peak demand impact
- GHG emissions and reductions

As well, users can perform sophisticated optimization tasks such as:

- Fuel switching in response to price and policy signals
- Substitution of a system-wide fuel (such as renewables) in specified amounts
- Efficiency program spending within annual budgets

Navigator can be used to model consumption of energy and associated GHG emissions for any fuel type (e.g., fossil-based gas, electricity, renewables, etc.) for jurisdictions of any size from the community and small utility level to entire states or provinces. Please see [here](#) for case studies.



2.2 Navigator Components

Navigator has four key components:

1. **Configuration Layer:** this layer identifies all the parameters under study (e.g., the range of years in the scenario, the regions, sectors and scenarios, the energy end-uses, etc.). It also tells the simulation engine what to calculate (e.g., peak demand, GHG emissions, DSM potential, etc.).
2. **Data Input Layer:** the data input layer contains the unique information about the future evolution of the segments, sectors and regions under study. The data input layer drives the simulation engine in conjunction with the configuration layer.
3. **Simulation Engine:** the simulation engine is the model processing software that conducts the calculations specified by the user (e.g., annual energy consumption, peak demand, GHG emissions, DSM potential, etc.).
4. **Presentation Layer:** the presentation layer contains the simulation results (often referred to as “output”). Output files are assembled in Excel and data visualization platforms (e.g., PowerBI) to generate exhibits to visualize the raw output data and help users understand and use the results.

2.3 Sector-Based Models

Navigator models are sector-based to reflect the unique way energy is used and regulated. Typical sector models are residential, commercial, industrial, and transportation. Within each sector-model, the data (inputs and outputs) are divided up by rate class, region, segment (i.e., sub-sector), vintage, and end-use. The specifics of the sector-based models are custom made for each client. Exhibit 1 provides examples of regions, segments, end-uses, and vintages for sector-models.

Exhibit 1 – Examples of Navigator sector-model structure

	Residential	Commercial	Industrial	Transportation
<i>Regions</i>	• South • North • East • West	• South • North • East • West	• South • North • East • West	• South • North • East • West
<i>Segments</i>	• Detached • Attached • Mobile	• Apartments • Food Retail • Hospital • Hotels • Non-Food Retail • Nursing Home • Offices • Restaurant • Schools • University/College • Warehouse	• Agriculture • Chemical • District energy providers • Mining • Pulp & Paper • Utilities • Wood Products	• Personal light duty vehicles • Fleet light duty vehicles • Medium duty vehicles • Heavy duty vehicles • Domestic short sea marine vessels • Coastal freight marine vessels



	Residential	Commercial	Industrial	Transportation
				Trans-ocean marine vessels
<i>End Uses</i>	- Clothes dryer - Cooking - Domestic hot water - Fireplace - Pool & spa heaters - Space cooling - Space heating - Ventilation and circulation	- Cooking - Domestic Hot Water - Pools, Spas & Hot tubs - Space Heating	- Direct-fired heating - Heat Treating - Kilns - On-Site Power Generation - Ovens - Process Boilers - Product Drying - Space Heating - Water Heating	Transportation
<i>Vintages/ Existence</i> ¹	- Pre-1950 1950-1985 1986-2016 2016 or newer	- Existing - New	- Existing - New	- Existing - New

¹ The residential sector has Vintages to define time periods when residential dwellings are built. Existence Categories also apply to the residential vintages, as there is conversion of existing dwellings into new homes (i.e., renovations). 'New' residential dwellings do not appear until the first year of the reference case.



3 Model Structure

This section provides an overview of how models are structured and developed for use by Navigator.

3.1 Model Parameters

Exhibit 2 defines the six parameters² that provide the basic structure for Navigator models. A model is populated with data or assumptions for each parameter.

Exhibit 2 – Navigator Model Parameters

Parameter	Definition
Accounts³	Number of energy-using accounts.
Units	The basis for how energy consumption is expressed. The unit of analysis is unique to each sector (e.g., dwellings in the residential sector, square metres or square feet in the commercial sector and production capacity in the industrial sector).
Size	The change in average number of units per account, relative to the first year the account appears.
Saturation	For most end uses, saturation is the extent to which an end-use is present in a region and segment. ⁴
Fuel Share	The percentage of the energy end-use that is supplied by each fuel.
Unit Energy Consumption (UEC)	The amount of energy used by each end-use per unit.

Navigator calculates energy consumption at the sector, segment, existence category and end-use level using the following equation:

$$\text{Consumption} = \text{Units} \times \text{Saturation} \times \text{Fuel Share} \times \text{UEC}$$

Accounts and Size are used to scale Units, which appears in the consumption equation.

² Some of the model parameters are adjusted when necessary to reflect a distinct characteristic of a sector.

³ Because Posterity Group often builds models for utility clients, 'Accounts' refers to customer accounts. For models that are built for non-utility clients, an Account represents the relevant energy-using item such as houses, vehicles, or floor area.

⁴ A segment is a grouping or category of buildings (e.g., single-family detached in Residential, large offices in Commercial). Segments reflect the main purpose of the building and helps to differentiate between energy use intensity or patterns across building types within a sector.

3.2 Navigator Modules

Navigator has 'modules' to conduct specific sets of calculations depending on the analysis required. For any analysis, the Scenarios module is required because it provides the detailed breakdown of energy demand (and the basis for GHG emissions calculations) over the specified time horizon. Subsequent modules are used as required for each analysis. Each module contains functions that comprise the calculation arithmetic for processing the required inputs and producing the desired outputs. In addition to the components displayed in the diagram below (and explained by the subsequent sections of this document), Navigator also contains an aggregator function that allows users to output summarized results files whose file size is smaller than that of non-summarized results. The Energy Costs function can run and provide results independently from the Conservation Potential module, but this document presents the function under the Conservation Potential module because it is necessary for calculating the Conservation economic potential results.



5 Scenario Module

5.1 Overview

Navigator's Scenario module produces a detailed breakdown of jurisdictional energy demand over a specific time horizon. The granular output dataset contains the calculated energy demand values for each sector, region, fuel, rate class, end use, segment, and year. Each sector model begins with a base year that is calibrated to actual data (e.g., historical energy consumption or GHG emissions) then a scenario is generated for the specified time horizon using trends and assumptions about how each model parameter may change over time.

5.2 Input Files

The following input files are required for this module:

- Control, Sector Setup and Scenario
- Emit (optional)
- Fraction Solver (optional)
- Share Solver (optional)

5.3 Simulation Engine Processing Method & Calculations

5.3.1 Process Control, Sector Set Up and Scenario Input Files

Navigator reads in the input files in the following order: Control, Sector Setup, and then the Scenario File for each sector and scenario. The Control file provides information on the identification number of the model run, the folder locations for input and output files, the names of the other input files that are included in the model run, and the configuration of the sectors, scenarios, and regions for the model run. The Sector Setup file provides the numbers of accounts, the number of units (e.g., commercial floor space or number of residential dwellings), a size variable if units per account change over time, saturation of end uses, fuel share, unit energy consumption, and end use efficiency.

Once all the input data is read in, the scenario module in Navigator calculates accounts, units, end use count, energy consumption, tertiary load, and unit tertiary load, and emissions (optional) for every fuel required in the output. The following sub-sections provide details of the calculation method for each element of the Scenario module processing.

5.3.2 Calculate Accounts

First, the number of accounts for each year by region, rate class and segment are calculated. If the number of accounts increases, those present in the base year are be treated as existing accounts and the additional ones are be treated as new accounts.

5.3.3 Calculate Units

Units are the basis of analysis for Navigator. Units can be dwellings, appliances, vehicles, floor area, etc., and can be customized to the sector model and specific analysis. The unit energy consumption values (UEC) are expressed in terms of energy consumption per unit.



The scenario input file includes values for units for each combination of region, segment, and rate class, in the first year that contains accounts for that combination.

The other key input variable for units is the SIZE. The size factor allows the modeler to change the average size, in units, of the accounts over time in a given region, segment and rate class. For example, if the average size of schools in a region is expected to increase, the size factor can be adjusted to reflect this change. The input file has a row of SIZE numbers for all the years for each region (and, optionally, rate class) and segment. The SIZE number for the first year in which accounts occur is the starting point for the size factor calculation. In many cases, that will be the base year, but in cases where accounts in a region (and rate class) and segment do not appear until later in the scenario period, the SIZE number in that year will be the starting point and the earlier ones will be ignored. Subsequent size factors are always relative to the SIZE number in the first year where there are accounts.

Navigator separates units into existing units and new units, so that different saturations, fuel shares, and UECs can be applied to each. Existing units and accounts are defined as units and accounts that exist in the base year.

5.3.4 Calculate Energy Consumption

Finally, Navigator calculates end use count, energy consumption, tertiary load, and unit tertiary load which are defined by the following equations:

$$EndUseCount = Units * EndUseSaturation * FuelShare$$

Where: EndUseCount is the number of instances of this end use in this region, rate class, segment, existence category, and year

EndUseSaturation is a value read from the Scenario input file

FuelShare is a value read from the Scenario input file

$$Consumption = EndUseCount * UEC$$

Where: Consumption is the energy consumption of this end use in this region, rate class, segment, existence category, and year

EndUseCount is the number of instances of this end use in this region, rate class, segment, existence category, and year

UEC, or Unit Energy Consumption, is a value read from the Scenario input file

Calculate Tertiary, using the following equation:

$$Tertiary = Consumption * Efficiency$$

Where: Tertiary is the tertiary energy consumption, or useful energy supplied, for this end use in this region, rate class, segment, existence category, and year

Consumption is the energy consumption of this end use in this region, rate class, segment, existence category, and year

Efficiency is a value read from the Scenario input file

Calculate UnitTertiary, using the following equation:

$$UnitTertiary = Tertiary / EndUseSaturation$$

Where: UnitTertiary is the tertiary energy consumption for this end use in this region, rate class, segment, existence category, and year, if the end use saturation were 100% (exactly one instance of the end use per unit) and all of it were met by the current fuel.



Tertiary is the tertiary energy consumption, or useful energy supplied, for this end use in this region, rate class, segment, existence category, and year
EndUseSaturation is a value read from the Scenario input file

5.3.5 Emissions Function

If the emissions feature is being used, Navigator calculates annual emissions by multiplying the emission factor for each fuel by the annual consumption for that fuel.

5.3.6 Fraction Solver Function - Fuel Share Calculations

The fraction solver function is used when consumption of an existing fuel needs to be partially replaced with a new fuel at a *specific amount* (e.g., PJs of RNG). The Fraction Solver function solves for the fraction of the existing fuel's fuel share that it needs to shift to the new fuel to hit the specific targets.

The fraction solver begins with fuel shares for the original fuel and calculates a total initial fuel share that is the sum of the original (or mother) fuel plus the initial fuel share of the new (or target) fuel for all applicable regions, segments, existence categories, end uses, and years. The fraction fuel share solver uses a simple binary search to find a factor for each bin and year that can be multiplied by the total mother fuel share values to reduce them. The amount of the reduction in all these fuel shares is given to the target fuel. When the consumption of the target fuel is equal to the target for a bin and year, that bin and year is solved. Simple binary solve is used because there tend to be a lot of step functions and nonlinearities in Navigator models, so more sophisticated solvers often will not converge.

The output of the Fraction Solver is a scenario input file, with the revised fuel shares. This 'new' scenario input file is processed by the simulation engine to produce output that meets the desired consumption amount for the specified fuels.

5.3.7 Share Solver Function - Fuel Share Calculations

The share solver function is designed to change the consumption of an existing fuel, to reach a target *percentage* change in the existing fuel by a target year (i.e., 5% blend of RNG). The target may be set based on an expected change due to a price signal or may be based on a policy objective.

The targets can be divided into different "bins" (for different regions or segments, for example). Navigator solves for the series of annual changes it needs to make to the existing fuel's share, to meet the change for each bin in the target year. The user can vary the relative amount of change in the intervening years by providing an array of responsiveness values – effectively an array of relative slopes.

Within a bin, the amount of change applied to a given end use and segment will vary depending on how "mobile" the fuel share is estimated to be for the end use in that specific segment. The assumption is that a fuel share that is close to 0% or 100% reflects a difficult end-use and segment to fuel switch, and the fuel share is therefore more difficult to change than for an end use with a starting fuel share near 50%.

The change in share for this fuel is taken from (or given to) the fuels that follow it in the sequence of fuel shares. In typical use, the fuel that is expected to absorb the change is placed at the end of the sequence of fuel share input rows and given a default share of 100%, so it will use whatever fuel share is left over after all the shares are specified for all the previous fuels.

An additional function the share solver can use to reach the target reduction in fuel use for a bin is to change the proportion of different new accounts being added to the population. The way this feature is typically used is when a given segment (vintage-size) is divided between those mainly heated by the



target fuel and those mainly heated by other fuels. The user specifies which segments are in matched pairs (for example, new gas-heated detached homes and new non-gas-heated detached homes), and the Navigator will modify the proportion of accounts it adds within the pair, to help meet the target reduction.

The Fuel Share Solver uses a simple binary search to find a factor for reducing the fuel share in each bin so that it reaches the target value in the target year. This factor becomes part of an equation for reducing the fuel share for the target fuel in each year, region, segment, and end use that is part of the bin. The reduction varies by year and by the starting value of the fuel share in each region, segment, and end use. In some cases, it is also used to change the percentage of newly constructed accounts that are heated primarily by the target fuel. When the consumption of the target fuel is equal to the objective in the target year, that bin is solved. If Navigator can't reach the target, for reasons such as limitations on how quickly equipment can be changed, the solving attempt for that bin stops. Simple binary solve is used because there tend to be a lot of step functions and nonlinearities in Navigator models, so more sophisticated solvers often will not converge.

In situations where the model will be adjusting the proportion of newly constructed accounts served by the target fuel, the fuel share solver is called twice. The first call solves the bins directly affected by the new construction adjustments – generally space heating – and leaves the other bins alone. Then the second call holds the new construction proportions constant and solves all the remaining bins. This is because if the proportion of new accounts is varying from one iteration to the next, the other bins generally cannot converge on a solution.

The output is a scenario input file, with the revised fuel shares for the existing fuel. This 'new' scenario input file is run through the simulation engine to produce output that reflects the revised fuel shares.

RESIDENTIAL

I. Residential End-Use Model Description

Introduction:

SDG&E used the Navigator model to generate annual gas demand forecasts for the residential market. The software's market segmentation description and end-use modeling framework are presented in the previous section of the SDG&E workpapers.

The market segmentation groups for the residential sector are identified by the premise code classification found in the company billing files. The SDG&E residential segmentation contains the following four types:

Single-Family (SF)

Multi-Family (MF)

Master Metered (MM)

Sub-Metered (SM)

There are two vintages. These are "old" and "new". The classification termed old describes existing customers (established prior to the year 2021) whereas "new" describes the new meter hookups set up in year 2021 and beyond.

The residential model identifies eight end-uses that are the primary drivers of natural gas demand. These are:

space heating

water heating

cooking

clothes drying

barbecue

pool heating

spa heating

fireplace

other (miscellaneous)

A set of post-model adjustments were applied to the model's annual demand forecast. The first adjustment calibrates to the recorded 2023 weather-adjusted demand, or the "base" year demand. Next, the annual Navigator forecast was parceled out to a series of monthly forecasts by applying weights based on the customer's predicted monthly usage share in total annual consumption. The shares were applied to annual totals to derive the stream of monthly forecasts which are conditional on the particular weather design specification for the entire year. An adjustment to the forecast offsets the throughput by the energy efficiency (EE) savings. The forecast was also reduced by the Additional Achievable Fuel Substitution (AAFS) Scenario 3 Programmatic

Savings. The AAFS3 Programmatic was obtained from the California Energy Commission's "California Energy Demand Forecast", IEPR 2023.

The final adjustment applied to the forecast was for anticipated climate change. To account for anticipated weather that is "less cold" and more variable, the average year weather design was reduced by six fewer heating degree days each year over the forecast period for SDG&E.

Tables 1-4 in the following section illustrate the residential monthly forecast under each of the weather design scenarios. Table 5 shows the energy efficiency and fuel substitution forecast used to prepare the out of model adjustment and the final forecast.

Data Sources:

The data used to populate the Navigator model template and used to generate the unadjusted base forecast includes historical 2023 consumption and customer counts; price elasticities; historical meter counts (total and by vintage type), use per customer (total and by vintage type), saturation, fuel shares and unit energy consumption (UEC) values. The historical 2023 data is in Table 6. Tables 7-11 show accounts, units, saturations, fuel shares, and UEC's. Table 12 shows the nominal and inflation adjusted rates for this market.

San Diego Gas & Electric Company
Residential Market
Table RES-1 Average Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	3,625	3,169	2,909	2,386	1,766	1,341	1,273	1,266	1,235	1,486	2,348	3,719	26,523
2024	3,578	3,135	2,848	2,290	1,706	1,295	1,237	1,231	1,201	1,433	2,313	3,585	25,853
2025	3,508	3,074	2,793	2,247	1,675	1,273	1,216	1,210	1,181	1,408	2,269	3,513	25,367
2026	3,409	2,988	2,715	2,184	1,630	1,240	1,185	1,180	1,151	1,371	2,208	3,412	24,673
2027	3,354	2,940	2,673	2,151	1,607	1,223	1,170	1,164	1,135	1,352	2,174	3,356	24,298
2028	3,296	2,889	2,627	2,115	1,581	1,205	1,153	1,147	1,119	1,331	2,139	3,296	23,898
2029	3,259	2,857	2,599	2,093	1,566	1,195	1,143	1,138	1,110	1,319	2,117	3,258	23,655
2030	3,225	2,826	2,572	2,073	1,553	1,185	1,135	1,129	1,102	1,309	2,097	3,223	23,429
2031	3,188	2,794	2,544	2,052	1,538	1,175	1,125	1,120	1,093	1,297	2,075	3,185	23,186
2032	3,147	2,758	2,512	2,027	1,521	1,163	1,115	1,109	1,082	1,283	2,051	3,143	22,911
2033	3,105	2,722	2,479	2,002	1,503	1,151	1,103	1,098	1,071	1,269	2,026	3,100	22,632
2034	3,115	2,730	2,488	2,011	1,511	1,158	1,110	1,105	1,078	1,277	2,034	3,110	22,728
2035	3,127	2,740	2,499	2,022	1,520	1,166	1,118	1,113	1,085	1,285	2,044	3,123	22,842
2036	3,127	2,740	2,500	2,024	1,523	1,170	1,122	1,116	1,089	1,288	2,046	3,122	22,867
2037	3,126	2,739	2,500	2,026	1,525	1,173	1,125	1,120	1,092	1,291	2,047	3,121	22,886
2038	3,132	2,745	2,507	2,033	1,532	1,179	1,131	1,125	1,098	1,297	2,054	3,128	22,960
2039	3,138	2,750	2,512	2,039	1,537	1,184	1,136	1,131	1,103	1,303	2,059	3,134	23,026
2040	3,139	2,751	2,514	2,042	1,541	1,188	1,140	1,135	1,107	1,306	2,062	3,135	23,059

San Diego Gas & Electric Company
Residential Market
Table RES-2 Cold Year Forecast (MdtH)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	3,977	3,478	3,156	2,540	1,838	1,355	1,273	1,266	1,236	1,520	2,502	4,099	28,239
2024	3,930	3,444	3,095	2,444	1,778	1,308	1,238	1,231	1,202	1,466	2,466	3,964	27,568
2025	3,860	3,382	3,040	2,400	1,747	1,286	1,217	1,210	1,182	1,441	2,423	3,892	27,080
2026	3,761	3,296	2,962	2,338	1,702	1,253	1,186	1,180	1,152	1,404	2,361	3,791	26,384
2027	3,706	3,248	2,919	2,304	1,678	1,236	1,170	1,164	1,137	1,385	2,328	3,734	26,008
2028	3,647	3,196	2,873	2,269	1,653	1,218	1,153	1,147	1,120	1,364	2,292	3,674	25,607
2029	3,610	3,164	2,844	2,247	1,638	1,208	1,144	1,138	1,111	1,352	2,270	3,636	25,363
2030	3,575	3,133	2,818	2,227	1,624	1,199	1,136	1,130	1,103	1,342	2,250	3,600	25,135
2031	3,538	3,101	2,789	2,205	1,609	1,188	1,126	1,120	1,094	1,330	2,228	3,562	24,891
2032	3,497	3,065	2,757	2,180	1,592	1,177	1,115	1,109	1,083	1,316	2,203	3,520	24,615
2033	3,455	3,028	2,725	2,155	1,575	1,165	1,104	1,098	1,072	1,302	2,178	3,477	24,335
2034	3,464	3,036	2,733	2,164	1,582	1,172	1,111	1,105	1,079	1,310	2,186	3,486	24,429
2035	3,476	3,046	2,744	2,174	1,591	1,179	1,119	1,113	1,087	1,318	2,196	3,498	24,542
2036	3,475	3,046	2,744	2,177	1,594	1,183	1,122	1,117	1,090	1,321	2,198	3,498	24,565
2037	3,474	3,045	2,745	2,178	1,597	1,186	1,126	1,120	1,093	1,324	2,199	3,497	24,583
2038	3,481	3,050	2,751	2,185	1,603	1,192	1,131	1,126	1,099	1,330	2,206	3,503	24,655
2039	3,486	3,055	2,756	2,191	1,608	1,197	1,137	1,131	1,104	1,335	2,211	3,509	24,720
2040	3,487	3,055	2,758	2,194	1,612	1,201	1,141	1,135	1,108	1,339	2,214	3,509	24,752

San Diego Gas & Electric Company
Residential Market
Table RES-3 Hot Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	3,272	2,860	2,662	2,232	1,694	1,328	1,272	1,266	1,234	1,453	2,195	3,340	24,807
2024	3,226	2,827	2,601	2,136	1,634	1,282	1,236	1,231	1,200	1,400	2,159	3,206	24,139
2025	3,156	2,766	2,547	2,093	1,603	1,259	1,215	1,210	1,180	1,375	2,116	3,134	23,654
2026	3,058	2,680	2,469	2,031	1,559	1,226	1,184	1,179	1,149	1,338	2,054	3,034	22,961
2027	3,003	2,632	2,426	1,997	1,535	1,210	1,169	1,164	1,134	1,319	2,021	2,978	22,588
2028	2,945	2,581	2,381	1,962	1,510	1,192	1,152	1,147	1,118	1,298	1,986	2,918	22,189
2029	2,909	2,549	2,353	1,940	1,495	1,181	1,143	1,138	1,109	1,286	1,964	2,881	21,948
2030	2,874	2,519	2,326	1,920	1,481	1,172	1,134	1,129	1,100	1,275	1,944	2,846	21,723
2031	2,838	2,487	2,298	1,899	1,466	1,162	1,125	1,120	1,091	1,264	1,922	2,808	21,481
2032	2,797	2,452	2,267	1,874	1,449	1,150	1,114	1,109	1,081	1,250	1,898	2,766	21,207
2033	2,756	2,415	2,234	1,849	1,432	1,138	1,103	1,098	1,070	1,236	1,873	2,724	20,930
2034	2,766	2,424	2,243	1,858	1,440	1,145	1,110	1,105	1,077	1,244	1,882	2,734	21,027
2035	2,778	2,435	2,254	1,869	1,449	1,153	1,117	1,113	1,084	1,252	1,892	2,747	21,143
2036	2,778	2,435	2,256	1,872	1,452	1,157	1,121	1,116	1,088	1,255	1,894	2,747	21,168
2037	2,777	2,434	2,256	1,874	1,454	1,160	1,124	1,120	1,091	1,258	1,895	2,746	21,189
2038	2,784	2,440	2,263	1,881	1,460	1,166	1,130	1,125	1,096	1,264	1,902	2,753	21,264
2039	2,790	2,445	2,268	1,887	1,466	1,171	1,135	1,131	1,102	1,270	1,908	2,759	21,332
2040	2,791	2,446	2,271	1,890	1,470	1,175	1,139	1,135	1,105	1,273	1,911	2,761	21,366

San Diego Gas & Electric Company
Residential Market
Table RES 4 Base Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	1,435	1,343	1,435	1,389	1,435	1,389	1,435	1,435	1,389	1,435	1,389	1,435	16,947
2024	1,368	1,279	1,368	1,323	1,368	1,323	1,368	1,368	1,323	1,368	1,323	1,368	16,147
2025	1,335	1,249	1,335	1,292	1,335	1,292	1,335	1,335	1,292	1,335	1,292	1,335	15,758
2026	1,284	1,201	1,284	1,243	1,284	1,243	1,284	1,284	1,243	1,284	1,243	1,284	15,162
2027	1,261	1,179	1,261	1,220	1,261	1,220	1,261	1,261	1,220	1,261	1,220	1,261	14,885
2028	1,235	1,155	1,235	1,195	1,235	1,195	1,235	1,235	1,195	1,235	1,195	1,235	14,583
2029	1,223	1,144	1,223	1,183	1,223	1,183	1,223	1,223	1,183	1,223	1,183	1,223	14,438
2030	1,212	1,134	1,212	1,173	1,212	1,173	1,212	1,212	1,173	1,212	1,173	1,212	14,309
2031	1,200	1,122	1,200	1,161	1,200	1,161	1,200	1,200	1,161	1,200	1,161	1,200	14,164
2032	1,185	1,108	1,185	1,146	1,185	1,146	1,185	1,185	1,146	1,185	1,146	1,185	13,986
2033	1,169	1,094	1,169	1,132	1,169	1,132	1,169	1,169	1,132	1,169	1,132	1,169	13,805
2034	1,186	1,109	1,186	1,147	1,186	1,147	1,186	1,186	1,147	1,186	1,147	1,186	13,998
2035	1,204	1,126	1,204	1,165	1,204	1,165	1,204	1,204	1,165	1,204	1,165	1,204	14,210
2036	1,214	1,136	1,214	1,175	1,214	1,175	1,214	1,214	1,175	1,214	1,175	1,214	14,331
2037	1,224	1,145	1,224	1,184	1,224	1,184	1,224	1,224	1,184	1,224	1,184	1,224	14,448
2038	1,238	1,158	1,238	1,198	1,238	1,198	1,238	1,238	1,198	1,238	1,198	1,238	14,618
2039	1,252	1,171	1,252	1,212	1,252	1,212	1,252	1,252	1,212	1,252	1,212	1,252	14,782
2040	1,263	1,182	1,263	1,222	1,263	1,222	1,263	1,263	1,222	1,263	1,222	1,263	14,911

San Diego Gas & Electric Company
Residential Market Out of Model Adjustments
Table RES-5 Energy Efficiency and Fuel Substitution (Mdth)

YEAR	Energy Efficiency	Fuel Substitution
2023	-	-
2024	370	145
2025	733	293
2026	1,019	398
2027	1,303	550
2028	1,609	715
2029	1,904	771
2030	2,174	808
2031	2,440	842
2032	2,701	875
2033	2,966	878
2034	2,862	871
2035	2,766	852
2036	2,746	820
2037	2,725	772
2038	2,679	709
2039	2,642	636
2040	2,630	562

San Diego Gas & Electric Company

Residential Market Out of Model Adjustments

Table RES 6 Base Year Inputs at Average Year (1,172 Annual Hdd) Weather Design (therms)

Segment	2023 Therm Sales	2023 Meter Count	2023 Meter Count old customers	2023 Meter Count New Customers	Average Annual Usage old customers	Average Annual Usage New Customers	Price Elasticity	Units Per Meter
SF	195,184,484	662,863	653,207	9,656	295	270	-0.12643	1
-	-	-	-	-	-	-	-	0
MF3	40,302,400	196,510	191,516	4,994	205	193	-0.07233	1
MM	24,213,210	11,365	11,342	23	2,128	3,301	-0.03279	17
SM	5,532,924	390	390	0	14,187	-	-0.06631	67
Total	265,233,018	871,128						

San Diego Gas & Electric Company
Residential Market
Table RES-7 Meter Forecast

Rate		Segment ID									
Region	Class		2023	2024	2025	2026	2027	2028	2029	2030	2031
ACCOUNT: SDGE	GR		653,207	652,097	650,986	649,876	648,766	647,180	645,172	642,792	640,084
ACCOUNT: SDGE	GR		9,656	14,820	19,984	25,149	30,313	35,451	40,555	45,618	50,634
ACCOUNT: SDGE	GR		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GR		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GR		191,516	191,779	192,043	192,306	192,570	192,691	192,686	192,568	192,349
ACCOUNT: SDGE	GR		4,994	7,885	10,776	13,667	16,558	19,435	22,293	25,128	27,938
ACCOUNT: SDGE	GM-E		11,342	11,319	11,295	11,272	11,248	11,217	11,178	11,132	11,081
ACCOUNT: SDGE	GM-E		23	37	51	64	78	92	106	119	133
ACCOUNT: SDGE	GM-E		390	374	357	341	324	307	290	273	256
ACCOUNT: SDGE	GM-E		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
			871,128	878,310	885,493	892,675	899,857	906,373	912,280	917,631	922,475

Rate		Segment ID									
Region	Class		2032	2033	2034	2035	2036	2037	2038	2039	2040
ACCOUNT: SDGE	GR		637,089	633,844	630,381	626,731	622,921	618,973	614,910	610,751	606,513
ACCOUNT: SDGE	GR		55,599	60,509	65,362	70,154	74,885	79,553	84,157	88,697	93,174
ACCOUNT: SDGE	GR		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GR		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GR		192,040	191,652	191,195	190,675	190,102	189,482	188,821	188,125	187,398
ACCOUNT: SDGE	GR		30,719	33,469	36,187	38,871	41,522	44,137	46,716	49,260	51,768
ACCOUNT: SDGE	GM-E		11,025	10,965	10,901	10,834	10,764	10,692	10,617	10,541	10,464
ACCOUNT: SDGE	GM-E		146	159	172	185	197	210	222	234	246
ACCOUNT: SDGE	GM-E		239	222	205	188	171	154	138	121	105
ACCOUNT: SDGE	GM-E		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
ACCOUNT: SDGE	GM-BE		-	-	-	-	-	-	-	-	-
			926,858	930,821	934,403	937,639	940,562	943,201	945,582	947,731	949,669

San Diego Gas & Electric Company
Residential Market
Table RES-8 UNITS, 2023

Variable:	Region	Segment ID	GR	GM-E
UNITS	SDGE	SF_vint_OLD	653,207	-
UNITS	SDGE	SF_vint_NEW	9,656	-
UNITS	SDGE	MF2_vint_OLD	-	-
UNITS	SDGE	MF2_vint_NEW	-	-
UNITS	SDGE	MF3_vint_OLD	191,516	-
UNITS	SDGE	MF3_vint_NEW	4,994	-
UNITS	SDGE	MM_vint_OLD	0	192,814
UNITS	SDGE	MM_vint_NEW	0	391
UNITS	SDGE	SM_vint_OLD	0	26,130
UNITS	SDGE	SM_vint_NEW	0	0

San Diego Gas & Electric Company

Residential

Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	Ex	SF_vint_OLD	Barbecue	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	SF_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	Drying	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	SDGE	Ex	SF_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	Pool	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	SF_vint_OLD	Spa	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	SDGE	Ex	SF_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Barbecue	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SATURATION	SDGE	Ex	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Drying	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SATURATION	SDGE	Ex	SF_vint_NEW	Fireplace	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Pool	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	SDGE	Ex	SF_vint_NEW	Spa	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	SDGE	Ex	SF_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Barbecue	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
SATURATION	SDGE	Ex	MF2_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Barbecue	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SATURATION	SDGE	Ex	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Drying	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	SDGE	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

San Diego Gas & Electric Company

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Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	MF3_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	MF3_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Barbecue	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SATURATION	SDGE	Ex	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SATURATION	SDGE	Ex	MF3_vint_NEW	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	Ex	MM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

San Diego Gas & Electric Company
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Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	Ex	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	Ex	SM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	SM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Barbecue	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	New	SF_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Drying	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	SDGE	New	SF_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Pool	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	New	SF_vint_OLD	Spa	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	SDGE	New	SF_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Barbecue	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SATURATION	SDGE	New	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Drying	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SATURATION	SDGE	New	SF_vint_NEW	Fireplace	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Pool	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	SDGE	New	SF_vint_NEW	Spa	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	SDGE	New	SF_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Barbecue	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
SATURATION	SDGE	New	MF2_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Barbecue	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SATURATION	SDGE	New	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Drying	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	SDGE	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	MF3_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	New	MF3_vint_OLD	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	New	MF3_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_vint_OLD	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Barbecue	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SATURATION	SDGE	New	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SATURATION	SDGE	New	MF3_vint_NEW	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	New	MM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	New	MM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	New	SM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	SM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	MF3_Common	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	MF3_Common	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_Common	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_Common	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_Common	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	MF3_Common	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

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Variable	Region	Existing/New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
SATURATION	SDGE	New	MF3_Common	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_Common	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_Common	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_Common	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	Ex	SF_vint_OLD	Barbecue	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	SF_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	Drying	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	SDGE	Ex	SF_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	Pool	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	SF_vint_OLD	Spa	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	SDGE	Ex	SF_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Barbecue	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SATURATION	SDGE	Ex	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Drying	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SATURATION	SDGE	Ex	SF_vint_NEW	Fireplace	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	Pool	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	SDGE	Ex	SF_vint_NEW	Spa	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	SDGE	Ex	SF_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SF_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Barbecue	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
SATURATION	SDGE	Ex	MF2_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Barbecue	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SATURATION	SDGE	Ex	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Drying	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	SDGE	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF2_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF2_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	MF3_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	MF3_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_vint_OLD	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Barbecue	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SATURATION	SDGE	Ex	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SATURATION	SDGE	Ex	MF3_vint_NEW	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	Ex	MM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	Ex	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	Ex	SM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	SM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	SM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	SM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Barbecue	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	New	SF_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Drying	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	SDGE	New	SF_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	Pool	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	New	SF_vint_OLD	Spa	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	SDGE	New	SF_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Barbecue	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SATURATION	SDGE	New	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Drying	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SATURATION	SDGE	New	SF_vint_NEW	Fireplace	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	Pool	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	SDGE	New	SF_vint_NEW	Spa	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	SDGE	New	SF_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SF_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Barbecue	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
SATURATION	SDGE	New	MF2_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Barbecue	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SATURATION	SDGE	New	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Drying	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	SDGE	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF2_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF2_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	MF3_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	New	MF3_vint_OLD	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	New	MF3_vint_OLD	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_vint_OLD	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Barbecue	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SATURATION	SDGE	New	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SATURATION	SDGE	New	MF3_vint_NEW	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	New	MM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	New	MM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Barbecue	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	SDGE	New	SM_vint_OLD	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Drying	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
SATURATION	SDGE	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_OLD	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_OLD	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	SM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	SM_vint_NEW	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	SM_vint_NEW	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	Ex	MF3_Common	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SATURATION	SDGE	Ex	MF3_Common	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	Ex	MF3_Common	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	MF3_Common	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	MF3_Common	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	MF3_Common	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Barbecue	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	SDGE	New	MF3_Common	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Drying	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

San Diego Gas & Electric Company

Residential

Table RES-9 SATURATIONS

Variable	Region	Existing/New	Segment ID	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	SDGE	New	MF3_Common	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	SDGE	New	MF3_Common	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	MF3_Common	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	MF3_Common	SH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	MF3_Common	WH	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

San Diego Gas & Electric Company
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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2023	2024	2025	2026	2027
SHARE	SDGE	NG	Ex	SF_vint_OLD	Barbecue	0.25	0.25	0.25	0.25	0.24
SHARE	SDGE	NG	Ex	SF_vint_OLD	Cooking	0.74	0.74	0.74	0.74	0.73
SHARE	SDGE	NG	Ex	SF_vint_OLD	Drying	0.74	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	SF_vint_OLD	Fireplace	0.35	0.36	0.36	0.37	0.38
SHARE	SDGE	NG	Ex	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_OLD	Pool	0.22	0.24	0.26	0.29	0.31
SHARE	SDGE	NG	Ex	SF_vint_OLD	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	Ex	SF_vint_OLD	SH	0.98	0.97	0.97	0.97	0.97
SHARE	SDGE	NG	Ex	SF_vint_OLD	WH	1.00	0.99	0.99	0.98	0.98
SHARE	SDGE	NG	Ex	SF_vint_NEW	Barbecue	0.25	0.41	0.46	0.48	0.49
SHARE	SDGE	NG	Ex	SF_vint_NEW	Cooking	0.74	0.81	0.83	0.84	0.84
SHARE	SDGE	NG	Ex	SF_vint_NEW	Drying	0.74	0.80	0.81	0.82	0.82
SHARE	SDGE	NG	Ex	SF_vint_NEW	Fireplace	0.35	0.65	0.75	0.78	0.81
SHARE	SDGE	NG	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_NEW	Pool	0.22	0.33	0.37	0.38	0.39
SHARE	SDGE	NG	Ex	SF_vint_NEW	Spa	0.39	0.49	0.52	0.53	0.53
SHARE	SDGE	NG	Ex	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	Ex	SF_vint_NEW	WH	1.00	0.97	0.96	0.95	0.95
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	0.31	0.30	0.29	0.28	0.27
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Cooking	0.63	0.64	0.65	0.66	0.67
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Drying	0.37	0.39	0.41	0.43	0.44
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	0.35	0.36	0.36	0.37	0.38
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	Ex	MF3_vint_OLD	SH	0.87	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	Ex	MF3_vint_OLD	WH	0.76	0.77	0.78	0.79	0.79
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	0.31	0.24	0.22	0.22	0.21
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Cooking	0.63	0.71	0.73	0.74	0.74
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Drying	0.37	0.57	0.61	0.63	0.64
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	0.35	0.36	0.36	0.37	0.38

San Deigo Gas & Electric Company
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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2023	2024	2025	2026	2027
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	Ex	MF3_vint_NEW	SH	0.87	0.92	0.93	0.93	0.94
SHARE	SDGE	NG	Ex	MF3_vint_NEW	WH	0.76	0.85	0.86	0.87	0.87
SHARE	SDGE	NG	Ex	MM_vint_OLD	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	Ex	MM_vint_OLD	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	MM_vint_OLD	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_OLD	WH	0.93	0.93	0.93	0.94	0.94
SHARE	SDGE	NG	Ex	MM_vint_NEW	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	Ex	MM_vint_NEW	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	MM_vint_NEW	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_NEW	WH	0.93	0.93	0.93	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_OLD	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	Ex	SM_vint_OLD	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	SM_vint_OLD	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SM_vint_OLD	WH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	SM_vint_NEW	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SM_vint_NEW	WH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SF_vint_OLD	Barbecue	0.25	0.25	0.25	0.25	0.24
SHARE	SDGE	NG	New	SF_vint_OLD	Cooking	0.74	0.74	0.74	0.74	0.73
SHARE	SDGE	NG	New	SF_vint_OLD	Drying	0.74	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	New	SF_vint_OLD	Fireplace	0.35	0.36	0.36	0.37	0.38
SHARE	SDGE	NG	New	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_OLD	Pool	0.22	0.24	0.26	0.29	0.31
SHARE	SDGE	NG	New	SF_vint_OLD	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	New	SF_vint_OLD	SH	0.98	0.97	0.97	0.97	0.97

San Deigo Gas & Electric Company
Residential
Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2023	2024	2025	2026	2027
SHARE	SDGE	NG	New	SF_vint_OLD	WH	1.00	0.99	0.99	0.98	0.98
SHARE	SDGE	NG	New	SF_vint_NEW	Barbecue	0.25	0.41	0.46	0.48	0.49
SHARE	SDGE	NG	New	SF_vint_NEW	Cooking	0.74	0.81	0.83	0.84	0.84
SHARE	SDGE	NG	New	SF_vint_NEW	Drying	0.74	0.80	0.81	0.82	0.82
SHARE	SDGE	NG	New	SF_vint_NEW	Fireplace	0.35	0.65	0.75	0.78	0.81
SHARE	SDGE	NG	New	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_NEW	Pool	0.22	0.33	0.37	0.38	0.39
SHARE	SDGE	NG	New	SF_vint_NEW	Spa	0.39	0.49	0.52	0.53	0.53
SHARE	SDGE	NG	New	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	New	SF_vint_NEW	WH	1.00	0.97	0.96	0.95	0.95
SHARE	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Barbecue	0.31	0.30	0.29	0.28	0.27
SHARE	SDGE	NG	New	MF3_vint_OLD	Cooking	0.63	0.64	0.65	0.66	0.67
SHARE	SDGE	NG	New	MF3_vint_OLD	Drying	0.37	0.39	0.41	0.43	0.44
SHARE	SDGE	NG	New	MF3_vint_OLD	Fireplace	0.35	0.36	0.36	0.37	0.38
SHARE	SDGE	NG	New	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	New	MF3_vint_OLD	SH	0.87	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	New	MF3_vint_OLD	WH	0.76	0.77	0.78	0.79	0.79
SHARE	SDGE	NG	New	MF3_vint_NEW	Barbecue	0.31	0.24	0.22	0.22	0.21
SHARE	SDGE	NG	New	MF3_vint_NEW	Cooking	0.63	0.71	0.73	0.74	0.74
SHARE	SDGE	NG	New	MF3_vint_NEW	Drying	0.37	0.57	0.61	0.63	0.64
SHARE	SDGE	NG	New	MF3_vint_NEW	Fireplace	0.35	0.36	0.36	0.37	0.38
SHARE	SDGE	NG	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Spa	0.39	0.40	0.41	0.41	0.42
SHARE	SDGE	NG	New	MF3_vint_NEW	SH	0.87	0.92	0.93	0.93	0.94
SHARE	SDGE	NG	New	MF3_vint_NEW	WH	0.76	0.85	0.86	0.87	0.87
SHARE	SDGE	NG	New	MM_vint_OLD	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	New	MM_vint_OLD	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	New	MM_vint_OLD	Drying	0.70	0.70	0.71	0.71	0.71

San Diego Gas & Electric Company
Residential
Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2023	2024	2025	2026	2027
SHARE	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_OLD	WH	0.93	0.93	0.93	0.94	0.94
SHARE	SDGE	NG	New	MM_vint_NEW	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	New	MM_vint_NEW	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	New	MM_vint_NEW	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_NEW	WH	0.93	0.93	0.93	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_OLD	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	New	SM_vint_OLD	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	New	SM_vint_OLD	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SM_vint_OLD	WH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SM_vint_NEW	Barbecue	0.89	0.83	0.78	0.73	0.68
SHARE	SDGE	NG	New	SM_vint_NEW	Cooking	0.81	0.81	0.82	0.82	0.82
SHARE	SDGE	NG	New	SM_vint_NEW	Drying	0.70	0.70	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	SH	0.92	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SM_vint_NEW	WH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SF_CARE	Barbecue	0.25	0.25	0.25	0.25	0.25
SHARE	SDGE	NG	Ex	SF_CARE	Cooking	0.74	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	Ex	SF_CARE	Drying	0.74	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	SF_CARE	Fireplace	0.35	0.36	0.37	0.39	0.40
SHARE	SDGE	NG	Ex	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_CARE	Pool	0.22	0.24	0.27	0.29	0.31
SHARE	SDGE	NG	Ex	SF_CARE	Spa	0.39	0.40	0.41	0.42	0.43
SHARE	SDGE	NG	Ex	SF_CARE	SH	0.98	0.97	0.97	0.97	0.97
SHARE	SDGE	NG	Ex	SF_CARE	WH	1.00	0.99	0.99	0.98	0.97
SHARE	SDGE	NG	New	SF_CARE	Barbecue	0.25	0.25	0.25	0.25	0.25
SHARE	SDGE	NG	New	SF_CARE	Cooking	0.74	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	New	SF_CARE	Drying	0.74	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	New	SF_CARE	Fireplace	0.35	0.36	0.37	0.39	0.40
SHARE	SDGE	NG	New	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_CARE	Pool	0.22	0.24	0.27	0.29	0.31
SHARE	SDGE	NG	New	SF_CARE	Spa	0.39	0.40	0.41	0.42	0.43

San Deigo Gas & Electric Company
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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2023	2024	2025	2026	2027
SHARE	SDGE	NG	New	SF_CARE	SH	0.98	0.97	0.97	0.97	0.97
SHARE	SDGE	NG	New	SF_CARE	WH	1.00	0.99	0.99	0.98	0.97

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2028	2029	2030	2031	2032
SHARE	SDGE	NG	Ex	SF_vint_OLD	Barbecue	0.24	0.24	0.24	0.24	0.24
SHARE	SDGE	NG	Ex	SF_vint_OLD	Cooking	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	SF_vint_OLD	Drying	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	SF_vint_OLD	Fireplace	0.39	0.39	0.40	0.40	0.41
SHARE	SDGE	NG	Ex	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_OLD	Pool	0.33	0.35	0.36	0.38	0.40
SHARE	SDGE	NG	Ex	SF_vint_OLD	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	Ex	SF_vint_OLD	SH	0.97	0.97	0.96	0.96	0.96
SHARE	SDGE	NG	Ex	SF_vint_OLD	WH	0.97	0.97	0.96	0.96	0.96
SHARE	SDGE	NG	Ex	SF_vint_NEW	Barbecue	0.49	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	SF_vint_NEW	Cooking	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	SF_vint_NEW	Drying	0.82	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	Ex	SF_vint_NEW	Fireplace	0.82	0.83	0.83	0.84	0.84
SHARE	SDGE	NG	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_NEW	Pool	0.40	0.40	0.40	0.40	0.41
SHARE	SDGE	NG	Ex	SF_vint_NEW	Spa	0.54	0.54	0.54	0.54	0.55
SHARE	SDGE	NG	Ex	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	Ex	SF_vint_NEW	WH	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	0.26	0.26	0.25	0.24	0.23
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Cooking	0.68	0.69	0.70	0.71	0.71
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Drying	0.46	0.47	0.48	0.50	0.51
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	0.39	0.39	0.40	0.40	0.41
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	Ex	MF3_vint_OLD	SH	0.86	0.86	0.86	0.86	0.86
SHARE	SDGE	NG	Ex	MF3_vint_OLD	WH	0.80	0.81	0.81	0.82	0.82
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	0.21	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Cooking	0.74	0.74	0.74	0.74	0.75
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Drying	0.64	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	0.39	0.39	0.40	0.40	0.41

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2028	2029	2030	2031	2032
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	Ex	MF3_vint_NEW	SH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MF3_vint_NEW	WH	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	MM_vint_OLD	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	Ex	MM_vint_OLD	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	Ex	MM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_OLD	WH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MM_vint_NEW	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	Ex	MM_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	Ex	MM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_NEW	WH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_OLD	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	Ex	SM_vint_OLD	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	Ex	SM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SM_vint_OLD	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	Ex	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	SM_vint_NEW	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	New	SF_vint_OLD	Barbecue	0.24	0.24	0.24	0.24	0.24
SHARE	SDGE	NG	New	SF_vint_OLD	Cooking	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	SF_vint_OLD	Drying	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	New	SF_vint_OLD	Fireplace	0.39	0.39	0.40	0.40	0.41
SHARE	SDGE	NG	New	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_OLD	Pool	0.33	0.35	0.36	0.38	0.40
SHARE	SDGE	NG	New	SF_vint_OLD	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	New	SF_vint_OLD	SH	0.97	0.97	0.96	0.96	0.96

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2028	2029	2030	2031	2032
SHARE	SDGE	NG	New	SF_vint_OLD	WH	0.97	0.97	0.96	0.96	0.96
SHARE	SDGE	NG	New	SF_vint_NEW	Barbecue	0.49	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	SF_vint_NEW	Cooking	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	SF_vint_NEW	Drying	0.82	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	New	SF_vint_NEW	Fireplace	0.82	0.83	0.83	0.84	0.84
SHARE	SDGE	NG	New	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_NEW	Pool	0.40	0.40	0.40	0.40	0.41
SHARE	SDGE	NG	New	SF_vint_NEW	Spa	0.54	0.54	0.54	0.54	0.55
SHARE	SDGE	NG	New	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	New	SF_vint_NEW	WH	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Barbecue	0.26	0.26	0.25	0.24	0.23
SHARE	SDGE	NG	New	MF3_vint_OLD	Cooking	0.68	0.69	0.70	0.71	0.71
SHARE	SDGE	NG	New	MF3_vint_OLD	Drying	0.46	0.47	0.48	0.50	0.51
SHARE	SDGE	NG	New	MF3_vint_OLD	Fireplace	0.39	0.39	0.40	0.40	0.41
SHARE	SDGE	NG	New	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	New	MF3_vint_OLD	SH	0.86	0.86	0.86	0.86	0.86
SHARE	SDGE	NG	New	MF3_vint_OLD	WH	0.80	0.81	0.81	0.82	0.82
SHARE	SDGE	NG	New	MF3_vint_NEW	Barbecue	0.21	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	New	MF3_vint_NEW	Cooking	0.74	0.74	0.74	0.74	0.75
SHARE	SDGE	NG	New	MF3_vint_NEW	Drying	0.64	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	MF3_vint_NEW	Fireplace	0.39	0.39	0.40	0.40	0.41
SHARE	SDGE	NG	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Spa	0.43	0.43	0.44	0.44	0.45
SHARE	SDGE	NG	New	MF3_vint_NEW	SH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	MF3_vint_NEW	WH	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	New	MM_vint_OLD	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	New	MM_vint_OLD	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	New	MM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2028	2029	2030	2031	2032
SHARE	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_OLD	WH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	MM_vint_NEW	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	New	MM_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	New	MM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_NEW	WH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_OLD	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	New	SM_vint_OLD	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	New	SM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SM_vint_OLD	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	New	SM_vint_NEW	Barbecue	0.64	0.60	0.56	0.52	0.49
SHARE	SDGE	NG	New	SM_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83
SHARE	SDGE	NG	New	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	SM_vint_NEW	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SF_CARE	Barbecue	0.26	0.26	0.26	0.26	0.26
SHARE	SDGE	NG	Ex	SF_CARE	Cooking	0.74	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	Ex	SF_CARE	Drying	0.75	0.75	0.76	0.76	0.76
SHARE	SDGE	NG	Ex	SF_CARE	Fireplace	0.41	0.42	0.43	0.44	0.45
SHARE	SDGE	NG	Ex	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_CARE	Pool	0.33	0.35	0.37	0.38	0.40
SHARE	SDGE	NG	Ex	SF_CARE	Spa	0.43	0.44	0.44	0.45	0.46
SHARE	SDGE	NG	Ex	SF_CARE	SH	0.97	0.97	0.97	0.96	0.96
SHARE	SDGE	NG	Ex	SF_CARE	WH	0.97	0.97	0.96	0.96	0.95
SHARE	SDGE	NG	New	SF_CARE	Barbecue	0.26	0.26	0.26	0.26	0.26
SHARE	SDGE	NG	New	SF_CARE	Cooking	0.74	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	New	SF_CARE	Drying	0.75	0.75	0.76	0.76	0.76
SHARE	SDGE	NG	New	SF_CARE	Fireplace	0.41	0.42	0.43	0.44	0.45
SHARE	SDGE	NG	New	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_CARE	Pool	0.33	0.35	0.37	0.38	0.40
SHARE	SDGE	NG	New	SF_CARE	Spa	0.43	0.44	0.44	0.45	0.46

San Deigo Gas & Electric Company
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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2028	2029	2030	2031	2032
SHARE	SDGE	NG	New	SF_CARE	SH	0.97	0.97	0.97	0.96	0.96
SHARE	SDGE	NG	New	SF_CARE	WH	0.97	0.97	0.96	0.96	0.95

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2033	2034	2035	2036	2037
SHARE	SDGE	NG	Ex	SF_vint_OLD	Barbecue	0.24	0.24	0.24	0.24	0.24
SHARE	SDGE	NG	Ex	SF_vint_OLD	Cooking	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	SF_vint_OLD	Drying	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	SF_vint_OLD	Fireplace	0.42	0.42	0.43	0.43	0.44
SHARE	SDGE	NG	Ex	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_OLD	Pool	0.42	0.43	0.45	0.46	0.48
SHARE	SDGE	NG	Ex	SF_vint_OLD	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	SF_vint_OLD	SH	0.96	0.96	0.96	0.96	0.95
SHARE	SDGE	NG	Ex	SF_vint_OLD	WH	0.95	0.95	0.95	0.94	0.94
SHARE	SDGE	NG	Ex	SF_vint_NEW	Barbecue	0.50	0.50	0.50	0.50	0.49
SHARE	SDGE	NG	Ex	SF_vint_NEW	Cooking	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	SF_vint_NEW	Drying	0.83	0.83	0.83	0.83	0.82
SHARE	SDGE	NG	Ex	SF_vint_NEW	Fireplace	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_NEW	Pool	0.41	0.41	0.41	0.41	0.41
SHARE	SDGE	NG	Ex	SF_vint_NEW	Spa	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	Ex	SF_vint_NEW	WH	0.95	0.95	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	0.23	0.22	0.22	0.21	0.21
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Cooking	0.72	0.73	0.74	0.74	0.75
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Drying	0.52	0.53	0.54	0.55	0.55
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	0.42	0.42	0.43	0.43	0.44
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	MF3_vint_OLD	SH	0.86	0.86	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	MF3_vint_OLD	WH	0.83	0.83	0.84	0.84	0.85
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	0.21	0.20	0.20	0.20	0.20
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Cooking	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Drying	0.65	0.65	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	0.42	0.42	0.43	0.43	0.44

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2033	2034	2035	2036	2037
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	MF3_vint_NEW	SH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MF3_vint_NEW	WH	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	MM_vint_OLD	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	MM_vint_OLD	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	MM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_OLD	WH	0.94	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	MM_vint_NEW	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	MM_vint_NEW	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	MM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_NEW	WH	0.94	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	SM_vint_OLD	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	SM_vint_OLD	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	SM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	SH	0.93	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_OLD	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	SH	0.93	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_NEW	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	New	SF_vint_OLD	Barbecue	0.24	0.24	0.24	0.24	0.24
SHARE	SDGE	NG	New	SF_vint_OLD	Cooking	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	SF_vint_OLD	Drying	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	New	SF_vint_OLD	Fireplace	0.42	0.42	0.43	0.43	0.44
SHARE	SDGE	NG	New	SF_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_OLD	Pool	0.42	0.43	0.45	0.46	0.48
SHARE	SDGE	NG	New	SF_vint_OLD	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	New	SF_vint_OLD	SH	0.96	0.96	0.96	0.96	0.95

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2033	2034	2035	2036	2037
SHARE	SDGE	NG	New	SF_vint_OLD	WH	0.95	0.95	0.95	0.94	0.94
SHARE	SDGE	NG	New	SF_vint_NEW	Barbecue	0.50	0.50	0.50	0.50	0.49
SHARE	SDGE	NG	New	SF_vint_NEW	Cooking	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	SF_vint_NEW	Drying	0.83	0.83	0.83	0.83	0.82
SHARE	SDGE	NG	New	SF_vint_NEW	Fireplace	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_NEW	Pool	0.41	0.41	0.41	0.41	0.41
SHARE	SDGE	NG	New	SF_vint_NEW	Spa	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	SF_vint_NEW	SH	0.98	0.98	0.98	0.98	0.98
SHARE	SDGE	NG	New	SF_vint_NEW	WH	0.95	0.95	0.94	0.94	0.94
SHARE	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Barbecue	0.23	0.22	0.22	0.21	0.21
SHARE	SDGE	NG	New	MF3_vint_OLD	Cooking	0.72	0.73	0.74	0.74	0.75
SHARE	SDGE	NG	New	MF3_vint_OLD	Drying	0.52	0.53	0.54	0.55	0.55
SHARE	SDGE	NG	New	MF3_vint_OLD	Fireplace	0.42	0.42	0.43	0.43	0.44
SHARE	SDGE	NG	New	MF3_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	New	MF3_vint_OLD	SH	0.86	0.86	0.85	0.85	0.85
SHARE	SDGE	NG	New	MF3_vint_OLD	WH	0.83	0.83	0.84	0.84	0.85
SHARE	SDGE	NG	New	MF3_vint_NEW	Barbecue	0.21	0.20	0.20	0.20	0.20
SHARE	SDGE	NG	New	MF3_vint_NEW	Cooking	0.75	0.75	0.75	0.75	0.75
SHARE	SDGE	NG	New	MF3_vint_NEW	Drying	0.65	0.65	0.66	0.66	0.66
SHARE	SDGE	NG	New	MF3_vint_NEW	Fireplace	0.42	0.42	0.43	0.43	0.44
SHARE	SDGE	NG	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Spa	0.45	0.46	0.46	0.46	0.47
SHARE	SDGE	NG	New	MF3_vint_NEW	SH	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	MF3_vint_NEW	WH	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	New	MM_vint_OLD	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	New	MM_vint_OLD	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	MM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2033	2034	2035	2036	2037
SHARE	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_OLD	WH	0.94	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	MM_vint_NEW	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	New	MM_vint_NEW	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	MM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	SH	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_NEW	WH	0.94	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	SM_vint_OLD	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	New	SM_vint_OLD	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	SM_vint_OLD	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	SH	0.93	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_OLD	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	New	SM_vint_NEW	Barbecue	0.46	0.43	0.40	0.38	0.35
SHARE	SDGE	NG	New	SM_vint_NEW	Cooking	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	SH	0.93	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_NEW	WH	0.92	0.92	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SF_CARE	Barbecue	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	Ex	SF_CARE	Cooking	0.74	0.74	0.74	0.75	0.75
SHARE	SDGE	NG	Ex	SF_CARE	Drying	0.76	0.76	0.76	0.76	0.76
SHARE	SDGE	NG	Ex	SF_CARE	Fireplace	0.46	0.47	0.47	0.48	0.49
SHARE	SDGE	NG	Ex	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_CARE	Pool	0.42	0.43	0.44	0.46	0.47
SHARE	SDGE	NG	Ex	SF_CARE	Spa	0.46	0.46	0.47	0.47	0.48
SHARE	SDGE	NG	Ex	SF_CARE	SH	0.96	0.96	0.96	0.96	0.96
SHARE	SDGE	NG	Ex	SF_CARE	WH	0.95	0.95	0.95	0.94	0.94
SHARE	SDGE	NG	New	SF_CARE	Barbecue	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	New	SF_CARE	Cooking	0.74	0.74	0.74	0.75	0.75
SHARE	SDGE	NG	New	SF_CARE	Drying	0.76	0.76	0.76	0.76	0.76
SHARE	SDGE	NG	New	SF_CARE	Fireplace	0.46	0.47	0.47	0.48	0.49
SHARE	SDGE	NG	New	SF_CARE	Other	1.00	1.00	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_CARE	Pool	0.42	0.43	0.44	0.46	0.47
SHARE	SDGE	NG	New	SF_CARE	Spa	0.46	0.46	0.47	0.47	0.48

San Deigo Gas & Electric Company
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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2033	2034	2035	2036	2037
SHARE	SDGE	NG	New	SF_CARE	SH	0.96	0.96	0.96	0.96	0.96
SHARE	SDGE	NG	New	SF_CARE	WH	0.95	0.95	0.95	0.94	0.94

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
SHARE	SDGE	NG	Ex	SF_vint_OLD	Barbecue	0.24	0.24	0.24
SHARE	SDGE	NG	Ex	SF_vint_OLD	Cooking	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	SF_vint_OLD	Drying	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	SF_vint_OLD	Fireplace	0.43	0.43	0.44
SHARE	SDGE	NG	Ex	SF_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_OLD	Pool	0.45	0.46	0.48
SHARE	SDGE	NG	Ex	SF_vint_OLD	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	SF_vint_OLD	SH	0.96	0.96	0.95
SHARE	SDGE	NG	Ex	SF_vint_OLD	WH	0.95	0.94	0.94
SHARE	SDGE	NG	Ex	SF_vint_NEW	Barbecue	0.50	0.50	0.49
SHARE	SDGE	NG	Ex	SF_vint_NEW	Cooking	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	SF_vint_NEW	Drying	0.83	0.83	0.82
SHARE	SDGE	NG	Ex	SF_vint_NEW	Fireplace	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	SF_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_vint_NEW	Pool	0.41	0.41	0.41
SHARE	SDGE	NG	Ex	SF_vint_NEW	Spa	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	SF_vint_NEW	SH	0.98	0.98	0.98
SHARE	SDGE	NG	Ex	SF_vint_NEW	WH	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	0.22	0.21	0.21
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Cooking	0.74	0.74	0.75
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Drying	0.54	0.55	0.55
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	0.43	0.43	0.44
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_OLD	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	MF3_vint_OLD	SH	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	MF3_vint_OLD	WH	0.84	0.84	0.85
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	0.20	0.20	0.20
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Cooking	0.75	0.75	0.75
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Drying	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	0.43	0.43	0.44

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MF3_vint_NEW	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	Ex	MF3_vint_NEW	SH	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	MF3_vint_NEW	WH	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	MM_vint_OLD	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	MM_vint_OLD	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	MM_vint_OLD	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_OLD	SH	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_OLD	WH	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	MM_vint_NEW	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	MM_vint_NEW	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	MM_vint_NEW	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	MM_vint_NEW	SH	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	MM_vint_NEW	WH	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	SM_vint_OLD	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	SM_vint_OLD	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	SM_vint_OLD	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_OLD	SH	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_OLD	WH	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	SM_vint_NEW	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	SM_vint_NEW	SH	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	SM_vint_NEW	WH	0.92	0.92	0.92
SHARE	SDGE	NG	New	SF_vint_OLD	Barbecue	0.24	0.24	0.24
SHARE	SDGE	NG	New	SF_vint_OLD	Cooking	0.73	0.73	0.73
SHARE	SDGE	NG	New	SF_vint_OLD	Drying	0.75	0.75	0.75
SHARE	SDGE	NG	New	SF_vint_OLD	Fireplace	0.43	0.43	0.44
SHARE	SDGE	NG	New	SF_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_OLD	Pool	0.45	0.46	0.48
SHARE	SDGE	NG	New	SF_vint_OLD	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	New	SF_vint_OLD	SH	0.96	0.96	0.95

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
SHARE	SDGE	NG	New	SF_vint_OLD	WH	0.95	0.94	0.94
SHARE	SDGE	NG	New	SF_vint_NEW	Barbecue	0.50	0.50	0.49
SHARE	SDGE	NG	New	SF_vint_NEW	Cooking	0.85	0.85	0.85
SHARE	SDGE	NG	New	SF_vint_NEW	Drying	0.83	0.83	0.82
SHARE	SDGE	NG	New	SF_vint_NEW	Fireplace	0.85	0.85	0.85
SHARE	SDGE	NG	New	SF_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_vint_NEW	Pool	0.41	0.41	0.41
SHARE	SDGE	NG	New	SF_vint_NEW	Spa	0.55	0.55	0.55
SHARE	SDGE	NG	New	SF_vint_NEW	SH	0.98	0.98	0.98
SHARE	SDGE	NG	New	SF_vint_NEW	WH	0.94	0.94	0.94
SHARE	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Barbecue	0.22	0.21	0.21
SHARE	SDGE	NG	New	MF3_vint_OLD	Cooking	0.74	0.74	0.75
SHARE	SDGE	NG	New	MF3_vint_OLD	Drying	0.54	0.55	0.55
SHARE	SDGE	NG	New	MF3_vint_OLD	Fireplace	0.43	0.43	0.44
SHARE	SDGE	NG	New	MF3_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_OLD	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	New	MF3_vint_OLD	SH	0.85	0.85	0.85
SHARE	SDGE	NG	New	MF3_vint_OLD	WH	0.84	0.84	0.85
SHARE	SDGE	NG	New	MF3_vint_NEW	Barbecue	0.20	0.20	0.20
SHARE	SDGE	NG	New	MF3_vint_NEW	Cooking	0.75	0.75	0.75
SHARE	SDGE	NG	New	MF3_vint_NEW	Drying	0.66	0.66	0.66
SHARE	SDGE	NG	New	MF3_vint_NEW	Fireplace	0.43	0.43	0.44
SHARE	SDGE	NG	New	MF3_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MF3_vint_NEW	Spa	0.46	0.46	0.47
SHARE	SDGE	NG	New	MF3_vint_NEW	SH	0.94	0.94	0.94
SHARE	SDGE	NG	New	MF3_vint_NEW	WH	0.88	0.88	0.88
SHARE	SDGE	NG	New	MM_vint_OLD	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	New	MM_vint_OLD	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	New	MM_vint_OLD	Drying	0.71	0.71	0.71

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Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
SHARE	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_OLD	SH	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_OLD	WH	0.95	0.95	0.95
SHARE	SDGE	NG	New	MM_vint_NEW	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	New	MM_vint_NEW	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	New	MM_vint_NEW	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	MM_vint_NEW	SH	0.93	0.93	0.93
SHARE	SDGE	NG	New	MM_vint_NEW	WH	0.95	0.95	0.95
SHARE	SDGE	NG	New	SM_vint_OLD	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	New	SM_vint_OLD	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	New	SM_vint_OLD	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_OLD	SH	0.94	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_OLD	WH	0.92	0.92	0.92
SHARE	SDGE	NG	New	SM_vint_NEW	Barbecue	0.40	0.38	0.35
SHARE	SDGE	NG	New	SM_vint_NEW	Cooking	0.84	0.84	0.84
SHARE	SDGE	NG	New	SM_vint_NEW	Drying	0.71	0.71	0.71
SHARE	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
SHARE	SDGE	NG	New	SM_vint_NEW	SH	0.94	0.94	0.94
SHARE	SDGE	NG	New	SM_vint_NEW	WH	0.92	0.92	0.92
SHARE	SDGE	NG	Ex	SF_CARE	Barbecue	0.27	0.27	0.27
SHARE	SDGE	NG	Ex	SF_CARE	Cooking	0.74	0.75	0.75
SHARE	SDGE	NG	Ex	SF_CARE	Drying	0.76	0.76	0.76
SHARE	SDGE	NG	Ex	SF_CARE	Fireplace	0.47	0.48	0.49
SHARE	SDGE	NG	Ex	SF_CARE	Other	1.00	1.00	1.00
SHARE	SDGE	NG	Ex	SF_CARE	Pool	0.44	0.46	0.47
SHARE	SDGE	NG	Ex	SF_CARE	Spa	0.47	0.47	0.48
SHARE	SDGE	NG	Ex	SF_CARE	SH	0.96	0.96	0.96
SHARE	SDGE	NG	Ex	SF_CARE	WH	0.95	0.94	0.94
SHARE	SDGE	NG	New	SF_CARE	Barbecue	0.27	0.27	0.27
SHARE	SDGE	NG	New	SF_CARE	Cooking	0.74	0.75	0.75
SHARE	SDGE	NG	New	SF_CARE	Drying	0.76	0.76	0.76
SHARE	SDGE	NG	New	SF_CARE	Fireplace	0.47	0.48	0.49
SHARE	SDGE	NG	New	SF_CARE	Other	1.00	1.00	1.00
SHARE	SDGE	NG	New	SF_CARE	Pool	0.44	0.46	0.47
SHARE	SDGE	NG	New	SF_CARE	Spa	0.47	0.47	0.48

San Deigo Gas & Electric Company
Residential
Table RES-10 FUEL SHARES

Variable	Region	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
SHARE	SDGE	NG	New	SF_CARE	SH	0.96	0.96	0.96
SHARE	SDGE	NG	New	SF_CARE	WH	0.95	0.94	0.94

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2023	2024	2025
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.56	11.37	11.33
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	29.43	28.94	28.84
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	27.56	27.10	27.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.46	8.32	8.29
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	124.47	122.40	121.97
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	92.88	91.33	91.02
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	135.87	133.60	133.14
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	114.90	112.99	112.60
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.49	9.33	9.30
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	29.43	28.94	28.84
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	27.56	27.10	27.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.95	6.83	6.81
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	102.18	100.47	100.13
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	76.32	75.05	74.79
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	122.61	120.57	120.15
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	110.31	108.47	108.09
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.35	5.30	5.29
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.83	27.56	27.51
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.76	25.51	25.46
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.77	3.73	3.72
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.84	27.57	27.52
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	46.27	45.82	45.73
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	89.28	88.43	88.25
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	102.05	101.07	100.87
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.33	3.30	3.29

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2023	2024	2025
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.83	27.56	27.51
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.76	25.51	25.46
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.77	3.73	3.72
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.84	27.57	27.52
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	46.27	45.82	45.73
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	76.05	75.33	75.18
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	102.05	101.07	100.87
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.51	5.49	5.48
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	13.02	12.96	12.95
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.19	14.13	14.11
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	60.54	60.27	60.22
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.69	57.44	57.38
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.26	7.23	7.23
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.28	17.20	17.19
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.75	18.67	18.66
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	80.35	80.00	79.93
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	76.57	76.24	76.17
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	9.09	9.01	9.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.43	16.29	16.26
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.94	17.78	17.75
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	130.53	129.39	129.15
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	76.55	75.88	75.74
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.56	11.37	11.33
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	29.43	28.94	28.84

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2023	2024	2025
UEC	SDGE	NG	New	SF_vint_OLD	Drying	27.56	27.10	27.00
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.46	8.32	8.29
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	124.47	122.40	121.97
UEC	SDGE	NG	New	SF_vint_OLD	Spa	92.88	91.33	91.02
UEC	SDGE	NG	New	SF_vint_OLD	SH	135.87	133.60	133.14
UEC	SDGE	NG	New	SF_vint_OLD	WH	114.90	112.99	112.60
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.49	9.33	9.30
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	29.43	28.94	28.84
UEC	SDGE	NG	New	SF_vint_NEW	Drying	27.56	27.10	27.00
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.95	6.83	6.81
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	102.18	100.47	100.13
UEC	SDGE	NG	New	SF_vint_NEW	Spa	76.32	75.05	74.79
UEC	SDGE	NG	New	SF_vint_NEW	SH	122.61	120.57	120.15
UEC	SDGE	NG	New	SF_vint_NEW	WH	110.31	108.47	108.09
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.35	5.30	5.29
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.83	27.56	27.51
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.76	25.51	25.46
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.77	3.73	3.72
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.84	27.57	27.52
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	46.27	45.82	45.73
UEC	SDGE	NG	New	MF3_vint_OLD	SH	89.28	88.43	88.25
UEC	SDGE	NG	New	MF3_vint_OLD	WH	102.05	101.07	100.87
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.33	3.30	3.29
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.83	27.56	27.51
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.76	25.51	25.46

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2023	2024	2025
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.77	3.73	3.72
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.84	27.57	27.52
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	46.27	45.82	45.73
UEC	SDGE	NG	New	MF3_vint_NEW	SH	76.05	75.33	75.18
UEC	SDGE	NG	New	MF3_vint_NEW	WH	102.05	101.07	100.87
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.51	5.49	5.48
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	13.02	12.96	12.95
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.19	14.13	14.11
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	60.54	60.27	60.22
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.69	57.44	57.38
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.26	7.23	7.23
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.28	17.20	17.19
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.75	18.67	18.66
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	80.35	80.00	79.93
UEC	SDGE	NG	New	MM_vint_NEW	WH	76.57	76.24	76.17
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	9.09	9.01	9.00
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.43	16.29	16.26
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.94	17.78	17.75
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	130.53	129.39	129.15
UEC	SDGE	NG	New	SM_vint_OLD	WH	76.55	75.88	75.74
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2026	2027	2028
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.13	11.11	11.10
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	28.32	28.27	28.26
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	26.52	26.47	26.46
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.14	8.13	8.12
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	119.79	119.57	119.51
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	89.39	89.23	89.18
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	130.76	130.52	130.45
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	110.58	110.38	110.32
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.13	9.11	9.11
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	28.32	28.27	28.26
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	26.52	26.47	26.46
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.69	6.67	6.67
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	98.33	98.16	98.10
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	73.45	73.32	73.28
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	118.00	117.79	117.72
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	106.16	105.96	105.91
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.24	5.23	5.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.22	27.20	27.19
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.20	25.18	25.17
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.69	3.68	3.68
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.23	27.21	27.20
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	45.26	45.22	45.20
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	87.35	87.26	87.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	99.84	99.73	99.70
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.26	3.25	3.25

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2026	2027	2028
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.22	27.20	27.19
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.20	25.18	25.17
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.69	3.68	3.68
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.23	27.21	27.20
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	45.26	45.22	45.20
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	74.41	74.33	74.31
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	99.84	99.73	99.70
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.46	5.45	5.45
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	12.89	12.88	12.88
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.05	14.04	14.04
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	59.94	59.91	59.90
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.12	57.09	57.08
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.11	17.10	17.10
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.57	18.56	18.56
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	79.56	79.52	79.51
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	75.82	75.78	75.77
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	8.91	8.91	8.90
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.11	16.09	16.09
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.58	17.56	17.56
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	127.94	127.82	127.78
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	75.03	74.96	74.94
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.13	11.11	11.10
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	28.32	28.27	28.26

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2026	2027	2028
UEC	SDGE	NG	New	SF_vint_OLD	Drying	26.52	26.47	26.46
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.14	8.13	8.12
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	119.79	119.57	119.51
UEC	SDGE	NG	New	SF_vint_OLD	Spa	89.39	89.23	89.18
UEC	SDGE	NG	New	SF_vint_OLD	SH	130.76	130.52	130.45
UEC	SDGE	NG	New	SF_vint_OLD	WH	110.58	110.38	110.32
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.13	9.11	9.11
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	28.32	28.27	28.26
UEC	SDGE	NG	New	SF_vint_NEW	Drying	26.52	26.47	26.46
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.69	6.67	6.67
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	98.33	98.16	98.10
UEC	SDGE	NG	New	SF_vint_NEW	Spa	73.45	73.32	73.28
UEC	SDGE	NG	New	SF_vint_NEW	SH	118.00	117.79	117.72
UEC	SDGE	NG	New	SF_vint_NEW	WH	106.16	105.96	105.91
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.24	5.23	5.23
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.22	27.20	27.19
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.20	25.18	25.17
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.69	3.68	3.68
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.23	27.21	27.20
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	45.26	45.22	45.20
UEC	SDGE	NG	New	MF3_vint_OLD	SH	87.35	87.26	87.23
UEC	SDGE	NG	New	MF3_vint_OLD	WH	99.84	99.73	99.70
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.26	3.25	3.25
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.22	27.20	27.19
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.20	25.18	25.17

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2026	2027	2028
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.69	3.68	3.68
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.23	27.21	27.20
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	45.26	45.22	45.20
UEC	SDGE	NG	New	MF3_vint_NEW	SH	74.41	74.33	74.31
UEC	SDGE	NG	New	MF3_vint_NEW	WH	99.84	99.73	99.70
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.46	5.45	5.45
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	12.89	12.88	12.88
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.05	14.04	14.04
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	59.94	59.91	59.90
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.12	57.09	57.08
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.11	17.10	17.10
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.57	18.56	18.56
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	79.56	79.52	79.51
UEC	SDGE	NG	New	MM_vint_NEW	WH	75.82	75.78	75.77
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	8.91	8.91	8.90
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.11	16.09	16.09
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.58	17.56	17.56
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	127.94	127.82	127.78
UEC	SDGE	NG	New	SM_vint_OLD	WH	75.03	74.96	74.94
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2029	2030	2031
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.12	11.14	11.15
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	28.31	28.35	28.38
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	26.51	26.54	26.57
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.14	8.15	8.16
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	119.74	119.91	120.03
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	89.36	89.48	89.57
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	130.71	130.89	131.02
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	110.54	110.69	110.80
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.13	9.14	9.15
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	28.31	28.35	28.38
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	26.51	26.54	26.57
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.68	6.69	6.70
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	98.30	98.43	98.53
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	73.42	73.52	73.60
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	117.96	118.12	118.24
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	106.12	106.26	106.37
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.24	5.24	5.24
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.22	27.24	27.25
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.20	25.22	25.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.23	27.25	27.27
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	45.26	45.29	45.32
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	87.33	87.40	87.45
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	99.82	99.90	99.95
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.26	3.26	3.26

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2029	2030	2031
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.22	27.24	27.25
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.20	25.22	25.23
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.23	27.25	27.27
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	45.26	45.29	45.32
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	74.39	74.45	74.49
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	99.82	99.90	99.95
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	12.89	12.89	12.90
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.05	14.05	14.05
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	59.93	59.96	59.97
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.11	57.13	57.15
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.19	7.19	7.20
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.11	17.11	17.12
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.57	18.57	18.58
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	79.55	79.58	79.60
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	75.81	75.84	75.85
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	8.91	8.92	8.92
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.11	16.12	16.12
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.58	17.59	17.60
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	127.91	128.01	128.07
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	75.01	75.07	75.11
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.12	11.14	11.15
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	28.31	28.35	28.38

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2029	2030	2031
UEC	SDGE	NG	New	SF_vint_OLD	Drying	26.51	26.54	26.57
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.14	8.15	8.16
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	119.74	119.91	120.03
UEC	SDGE	NG	New	SF_vint_OLD	Spa	89.36	89.48	89.57
UEC	SDGE	NG	New	SF_vint_OLD	SH	130.71	130.89	131.02
UEC	SDGE	NG	New	SF_vint_OLD	WH	110.54	110.69	110.80
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.13	9.14	9.15
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	28.31	28.35	28.38
UEC	SDGE	NG	New	SF_vint_NEW	Drying	26.51	26.54	26.57
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.68	6.69	6.70
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	98.30	98.43	98.53
UEC	SDGE	NG	New	SF_vint_NEW	Spa	73.42	73.52	73.60
UEC	SDGE	NG	New	SF_vint_NEW	SH	117.96	118.12	118.24
UEC	SDGE	NG	New	SF_vint_NEW	WH	106.12	106.26	106.37
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.24	5.24	5.24
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.22	27.24	27.25
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.20	25.22	25.23
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.23	27.25	27.27
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	45.26	45.29	45.32
UEC	SDGE	NG	New	MF3_vint_OLD	SH	87.33	87.40	87.45
UEC	SDGE	NG	New	MF3_vint_OLD	WH	99.82	99.90	99.95
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.26	3.26	3.26
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.22	27.24	27.25
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.20	25.22	25.23

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2029	2030	2031
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.23	27.25	27.27
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	45.26	45.29	45.32
UEC	SDGE	NG	New	MF3_vint_NEW	SH	74.39	74.45	74.49
UEC	SDGE	NG	New	MF3_vint_NEW	WH	99.82	99.90	99.95
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	12.89	12.89	12.90
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.05	14.05	14.05
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	59.93	59.96	59.97
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.11	57.13	57.15
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.19	7.19	7.20
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.11	17.11	17.12
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.57	18.57	18.58
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	79.55	79.58	79.60
UEC	SDGE	NG	New	MM_vint_NEW	WH	75.81	75.84	75.85
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	8.91	8.92	8.92
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.11	16.12	16.12
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.58	17.59	17.60
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	127.91	128.01	128.07
UEC	SDGE	NG	New	SM_vint_OLD	WH	75.01	75.07	75.11
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2032	2033	2034
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.15	11.14	11.13
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	28.37	28.35	28.33
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	26.57	26.54	26.52
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.16	8.15	8.14
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	120.00	119.88	119.80
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	89.55	89.46	89.40
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	130.99	130.86	130.77
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	110.78	110.67	110.59
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.15	9.14	9.13
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	28.37	28.35	28.33
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	26.57	26.54	26.52
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.70	6.69	6.69
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	98.51	98.41	98.34
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	73.58	73.51	73.46
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	118.21	118.09	118.01
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	106.34	106.24	106.17
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.24	5.24	5.24
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.25	27.24	27.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.23	25.21	25.20
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.26	27.25	27.24
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	45.31	45.29	45.27
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	87.44	87.39	87.35
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	99.94	99.88	99.84
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.26	3.26	3.26

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2032	2033	2034
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.25	27.24	27.23
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.23	25.21	25.20
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.26	27.25	27.24
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	45.31	45.29	45.27
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	74.48	74.44	74.41
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	99.94	99.88	99.84
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	12.89	12.89	12.89
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.05	14.05	14.05
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	59.97	59.95	59.94
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.14	57.13	57.12
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.20	7.19	7.19
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.12	17.11	17.11
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.58	18.57	18.57
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	79.60	79.58	79.56
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	75.85	75.83	75.82
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	8.92	8.92	8.91
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.12	16.11	16.11
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.60	17.59	17.58
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	128.06	127.99	127.95
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	75.10	75.06	75.03
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.15	11.14	11.13
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	28.37	28.35	28.33

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2032	2033	2034
UEC	SDGE	NG	New	SF_vint_OLD	Drying	26.57	26.54	26.52
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.16	8.15	8.14
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	120.00	119.88	119.80
UEC	SDGE	NG	New	SF_vint_OLD	Spa	89.55	89.46	89.40
UEC	SDGE	NG	New	SF_vint_OLD	SH	130.99	130.86	130.77
UEC	SDGE	NG	New	SF_vint_OLD	WH	110.78	110.67	110.59
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.15	9.14	9.13
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	28.37	28.35	28.33
UEC	SDGE	NG	New	SF_vint_NEW	Drying	26.57	26.54	26.52
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.70	6.69	6.69
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	98.51	98.41	98.34
UEC	SDGE	NG	New	SF_vint_NEW	Spa	73.58	73.51	73.46
UEC	SDGE	NG	New	SF_vint_NEW	SH	118.21	118.09	118.01
UEC	SDGE	NG	New	SF_vint_NEW	WH	106.34	106.24	106.17
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.24	5.24	5.24
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.25	27.24	27.23
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.23	25.21	25.20
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.26	27.25	27.24
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	45.31	45.29	45.27
UEC	SDGE	NG	New	MF3_vint_OLD	SH	87.44	87.39	87.35
UEC	SDGE	NG	New	MF3_vint_OLD	WH	99.94	99.88	99.84
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.26	3.26	3.26
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.25	27.24	27.23
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.23	25.21	25.20

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2032	2033	2034
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.69	3.69	3.69
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.26	27.25	27.24
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	45.31	45.29	45.27
UEC	SDGE	NG	New	MF3_vint_NEW	SH	74.48	74.44	74.41
UEC	SDGE	NG	New	MF3_vint_NEW	WH	99.94	99.88	99.84
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	12.89	12.89	12.89
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.05	14.05	14.05
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	59.97	59.95	59.94
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.14	57.13	57.12
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.20	7.19	7.19
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.12	17.11	17.11
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.58	18.57	18.57
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	79.60	79.58	79.56
UEC	SDGE	NG	New	MM_vint_NEW	WH	75.85	75.83	75.82
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	8.92	8.92	8.91
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.12	16.11	16.11
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.60	17.59	17.58
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	128.06	127.99	127.95
UEC	SDGE	NG	New	SM_vint_OLD	WH	75.10	75.06	75.03
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

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Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2035	2036	2037
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.13	11.13	11.11
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	28.34	28.32	28.29
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	26.53	26.52	26.49
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.15	8.14	8.13
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	119.84	119.78	119.65
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	89.43	89.38	89.29
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	130.81	130.75	130.61
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	110.63	110.57	110.45
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.13	9.13	9.12
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	28.34	28.32	28.29
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	26.53	26.52	26.49
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.69	6.68	6.68
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	98.38	98.33	98.22
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	73.48	73.45	73.37
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	118.05	117.99	117.87
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	106.20	106.15	106.04
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.24	5.24	5.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.23	27.22	27.21
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.21	25.20	25.19
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.69	3.69	3.68
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.24	27.23	27.22
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	45.28	45.26	45.24
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	87.37	87.34	87.29
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	99.86	99.83	99.77
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.26	3.26	3.26

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2035	2036	2037
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.23	27.22	27.21
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.21	25.20	25.19
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.69	3.69	3.68
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.24	27.23	27.22
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	45.28	45.26	45.24
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	74.43	74.40	74.36
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	99.86	99.83	99.77
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	12.89	12.89	12.89
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.05	14.05	14.04
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	59.95	59.94	59.92
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.12	57.12	57.10
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.11	17.11	17.10
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.57	18.57	18.56
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	79.57	79.56	79.54
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	75.82	75.81	75.79
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	8.92	8.91	8.91
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.11	16.11	16.10
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.58	17.58	17.57
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	127.97	127.93	127.86
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	75.05	75.03	74.98
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.13	11.13	11.11
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	28.34	28.32	28.29

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2035	2036	2037
UEC	SDGE	NG	New	SF_vint_OLD	Drying	26.53	26.52	26.49
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.15	8.14	8.13
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	119.84	119.78	119.65
UEC	SDGE	NG	New	SF_vint_OLD	Spa	89.43	89.38	89.29
UEC	SDGE	NG	New	SF_vint_OLD	SH	130.81	130.75	130.61
UEC	SDGE	NG	New	SF_vint_OLD	WH	110.63	110.57	110.45
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.13	9.13	9.12
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	28.34	28.32	28.29
UEC	SDGE	NG	New	SF_vint_NEW	Drying	26.53	26.52	26.49
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.69	6.68	6.68
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	98.38	98.33	98.22
UEC	SDGE	NG	New	SF_vint_NEW	Spa	73.48	73.45	73.37
UEC	SDGE	NG	New	SF_vint_NEW	SH	118.05	117.99	117.87
UEC	SDGE	NG	New	SF_vint_NEW	WH	106.20	106.15	106.04
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.24	5.24	5.23
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.23	27.22	27.21
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.21	25.20	25.19
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.69	3.69	3.68
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.24	27.23	27.22
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	45.28	45.26	45.24
UEC	SDGE	NG	New	MF3_vint_OLD	SH	87.37	87.34	87.29
UEC	SDGE	NG	New	MF3_vint_OLD	WH	99.86	99.83	99.77
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.26	3.26	3.26
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.23	27.22	27.21
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.21	25.20	25.19

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2035	2036	2037
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.69	3.69	3.68
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.24	27.23	27.22
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	45.28	45.26	45.24
UEC	SDGE	NG	New	MF3_vint_NEW	SH	74.43	74.40	74.36
UEC	SDGE	NG	New	MF3_vint_NEW	WH	99.86	99.83	99.77
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.46	5.46	5.46
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	12.89	12.89	12.89
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.05	14.05	14.04
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	59.95	59.94	59.92
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.12	57.12	57.10
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.11	17.11	17.10
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.57	18.57	18.56
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	79.57	79.56	79.54
UEC	SDGE	NG	New	MM_vint_NEW	WH	75.82	75.81	75.79
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	8.92	8.91	8.91
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.11	16.11	16.10
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.58	17.58	17.57
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	127.97	127.93	127.86
UEC	SDGE	NG	New	SM_vint_OLD	WH	75.05	75.03	74.98
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

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Variable	Market	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
UEC	SDGE	NG	Ex	SF_vint_OLD	Barbecue	11.11	11.11	11.10
UEC	SDGE	NG	Ex	SF_vint_OLD	Cooking	28.28	28.27	28.26
UEC	SDGE	NG	Ex	SF_vint_OLD	Drying	26.48	26.47	26.45
UEC	SDGE	NG	Ex	SF_vint_OLD	Fireplace	8.13	8.13	8.12
UEC	SDGE	NG	Ex	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_OLD	Pool	119.59	119.56	119.50
UEC	SDGE	NG	Ex	SF_vint_OLD	Spa	89.24	89.22	89.17
UEC	SDGE	NG	Ex	SF_vint_OLD	SH	130.54	130.51	130.44
UEC	SDGE	NG	Ex	SF_vint_OLD	WH	110.40	110.37	110.31
UEC	SDGE	NG	Ex	SF_vint_NEW	Barbecue	9.12	9.11	9.11
UEC	SDGE	NG	Ex	SF_vint_NEW	Cooking	28.28	28.27	28.26
UEC	SDGE	NG	Ex	SF_vint_NEW	Drying	26.48	26.47	26.45
UEC	SDGE	NG	Ex	SF_vint_NEW	Fireplace	6.67	6.67	6.67
UEC	SDGE	NG	Ex	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SF_vint_NEW	Pool	98.17	98.15	98.10
UEC	SDGE	NG	Ex	SF_vint_NEW	Spa	73.33	73.31	73.28
UEC	SDGE	NG	Ex	SF_vint_NEW	SH	117.81	117.78	117.72
UEC	SDGE	NG	Ex	SF_vint_NEW	WH	105.98	105.96	105.90
UEC	SDGE	NG	Ex	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Barbecue	5.23	5.23	5.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	Cooking	27.20	27.19	27.19
UEC	SDGE	NG	Ex	MF3_vint_OLD	Drying	25.18	25.18	25.17
UEC	SDGE	NG	Ex	MF3_vint_OLD	Fireplace	3.68	3.68	3.68
UEC	SDGE	NG	Ex	MF3_vint_OLD	Other	27.21	27.20	27.20
UEC	SDGE	NG	Ex	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_OLD	Spa	45.22	45.22	45.20
UEC	SDGE	NG	Ex	MF3_vint_OLD	SH	87.27	87.25	87.23
UEC	SDGE	NG	Ex	MF3_vint_OLD	WH	99.75	99.73	99.70
UEC	SDGE	NG	Ex	MF3_vint_NEW	Barbecue	3.25	3.25	3.25

San Diego Gas & Electric Company
Residential
Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
UEC	SDGE	NG	Ex	MF3_vint_NEW	Cooking	27.20	27.19	27.19
UEC	SDGE	NG	Ex	MF3_vint_NEW	Drying	25.18	25.18	25.17
UEC	SDGE	NG	Ex	MF3_vint_NEW	Fireplace	3.68	3.68	3.68
UEC	SDGE	NG	Ex	MF3_vint_NEW	Other	27.21	27.20	27.20
UEC	SDGE	NG	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MF3_vint_NEW	Spa	45.22	45.22	45.20
UEC	SDGE	NG	Ex	MF3_vint_NEW	SH	74.34	74.33	74.31
UEC	SDGE	NG	Ex	MF3_vint_NEW	WH	99.75	99.73	99.70
UEC	SDGE	NG	Ex	MM_vint_OLD	Barbecue	5.46	5.45	5.45
UEC	SDGE	NG	Ex	MM_vint_OLD	Cooking	12.88	12.88	12.88
UEC	SDGE	NG	Ex	MM_vint_OLD	Drying	14.04	14.04	14.04
UEC	SDGE	NG	Ex	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_OLD	SH	59.91	59.91	59.90
UEC	SDGE	NG	Ex	MM_vint_OLD	WH	57.09	57.09	57.08
UEC	SDGE	NG	Ex	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	Ex	MM_vint_NEW	Cooking	17.10	17.10	17.10
UEC	SDGE	NG	Ex	MM_vint_NEW	Drying	18.56	18.56	18.56
UEC	SDGE	NG	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	MM_vint_NEW	SH	79.53	79.52	79.51
UEC	SDGE	NG	Ex	MM_vint_NEW	WH	75.78	75.78	75.77
UEC	SDGE	NG	Ex	SM_vint_OLD	Barbecue	8.91	8.91	8.90
UEC	SDGE	NG	Ex	SM_vint_OLD	Cooking	16.09	16.09	16.09
UEC	SDGE	NG	Ex	SM_vint_OLD	Drying	17.57	17.56	17.56
UEC	SDGE	NG	Ex	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_OLD	SH	127.83	127.81	127.78
UEC	SDGE	NG	Ex	SM_vint_OLD	WH	74.97	74.95	74.94
UEC	SDGE	NG	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	Ex	SM_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Barbecue	11.11	11.11	11.10
UEC	SDGE	NG	New	SF_vint_OLD	Cooking	28.28	28.27	28.26

San Diego Gas & Electric Company
Residential
Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
UEC	SDGE	NG	New	SF_vint_OLD	Drying	26.48	26.47	26.45
UEC	SDGE	NG	New	SF_vint_OLD	Fireplace	8.13	8.13	8.12
UEC	SDGE	NG	New	SF_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_OLD	Pool	119.59	119.56	119.50
UEC	SDGE	NG	New	SF_vint_OLD	Spa	89.24	89.22	89.17
UEC	SDGE	NG	New	SF_vint_OLD	SH	130.54	130.51	130.44
UEC	SDGE	NG	New	SF_vint_OLD	WH	110.40	110.37	110.31
UEC	SDGE	NG	New	SF_vint_NEW	Barbecue	9.12	9.11	9.11
UEC	SDGE	NG	New	SF_vint_NEW	Cooking	28.28	28.27	28.26
UEC	SDGE	NG	New	SF_vint_NEW	Drying	26.48	26.47	26.45
UEC	SDGE	NG	New	SF_vint_NEW	Fireplace	6.67	6.67	6.67
UEC	SDGE	NG	New	SF_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SF_vint_NEW	Pool	98.17	98.15	98.10
UEC	SDGE	NG	New	SF_vint_NEW	Spa	73.33	73.31	73.28
UEC	SDGE	NG	New	SF_vint_NEW	SH	117.81	117.78	117.72
UEC	SDGE	NG	New	SF_vint_NEW	WH	105.98	105.96	105.90
UEC	SDGE	NG	New	MF2_vint_OLD	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_OLD	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF2_vint_NEW	WH	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Barbecue	5.23	5.23	5.23
UEC	SDGE	NG	New	MF3_vint_OLD	Cooking	27.20	27.19	27.19
UEC	SDGE	NG	New	MF3_vint_OLD	Drying	25.18	25.18	25.17
UEC	SDGE	NG	New	MF3_vint_OLD	Fireplace	3.68	3.68	3.68
UEC	SDGE	NG	New	MF3_vint_OLD	Other	27.21	27.20	27.20
UEC	SDGE	NG	New	MF3_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_OLD	Spa	45.22	45.22	45.20
UEC	SDGE	NG	New	MF3_vint_OLD	SH	87.27	87.25	87.23
UEC	SDGE	NG	New	MF3_vint_OLD	WH	99.75	99.73	99.70
UEC	SDGE	NG	New	MF3_vint_NEW	Barbecue	3.25	3.25	3.25
UEC	SDGE	NG	New	MF3_vint_NEW	Cooking	27.20	27.19	27.19
UEC	SDGE	NG	New	MF3_vint_NEW	Drying	25.18	25.18	25.17

San Diego Gas & Electric Company
Residential
Table RES-11 UEC'S

Variable	Market	Fuel Type	Vintage	Segment	End Use	2038	2039	2040
UEC	SDGE	NG	New	MF3_vint_NEW	Fireplace	3.68	3.68	3.68
UEC	SDGE	NG	New	MF3_vint_NEW	Other	27.21	27.20	27.20
UEC	SDGE	NG	New	MF3_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MF3_vint_NEW	Spa	45.22	45.22	45.20
UEC	SDGE	NG	New	MF3_vint_NEW	SH	74.34	74.33	74.31
UEC	SDGE	NG	New	MF3_vint_NEW	WH	99.75	99.73	99.70
UEC	SDGE	NG	New	MM_vint_OLD	Barbecue	5.46	5.45	5.45
UEC	SDGE	NG	New	MM_vint_OLD	Cooking	12.88	12.88	12.88
UEC	SDGE	NG	New	MM_vint_OLD	Drying	14.04	14.04	14.04
UEC	SDGE	NG	New	MM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_OLD	SH	59.91	59.91	59.90
UEC	SDGE	NG	New	MM_vint_OLD	WH	57.09	57.09	57.08
UEC	SDGE	NG	New	MM_vint_NEW	Barbecue	7.19	7.19	7.19
UEC	SDGE	NG	New	MM_vint_NEW	Cooking	17.10	17.10	17.10
UEC	SDGE	NG	New	MM_vint_NEW	Drying	18.56	18.56	18.56
UEC	SDGE	NG	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	MM_vint_NEW	SH	79.53	79.52	79.51
UEC	SDGE	NG	New	MM_vint_NEW	WH	75.78	75.78	75.77
UEC	SDGE	NG	New	SM_vint_OLD	Barbecue	8.91	8.91	8.90
UEC	SDGE	NG	New	SM_vint_OLD	Cooking	16.09	16.09	16.09
UEC	SDGE	NG	New	SM_vint_OLD	Drying	17.57	17.56	17.56
UEC	SDGE	NG	New	SM_vint_OLD	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_OLD	SH	127.83	127.81	127.78
UEC	SDGE	NG	New	SM_vint_OLD	WH	74.97	74.95	74.94
UEC	SDGE	NG	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Cooking	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Drying	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Other	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Pool	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	Spa	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	SH	0.00	0.00	0.00
UEC	SDGE	NG	New	SM_vint_NEW	WH	0.00	0.00	0.00

San Diego Gas & Electric Company
Nominal and Real Gas Rates Forecast (\$/therm)
Table Res-12

	Nominal Rate (Commodity + Transportation)		Inflation-Adjusted Rate (Commodity + Transportation)	
2023	\$	2.44	\$	2.44
2024	\$	2.84	\$	2.77
2025	\$	2.98	\$	2.84
2026	\$	3.48	\$	3.24
2027	\$	3.61	\$	3.29
2028	\$	3.71	\$	3.30
2029	\$	3.73	\$	3.25
2030	\$	3.77	\$	3.22
2031	\$	3.82	\$	3.19
2032	\$	3.91	\$	3.20
2033	\$	4.03	\$	3.22
2034	\$	4.14	\$	3.24
2035	\$	4.21	\$	3.23
2036	\$	4.32	\$	3.24
2037	\$	4.45	\$	3.27
2038	\$	4.56	\$	3.28
2039	\$	4.66	\$	3.29
2040	\$	4.78	\$	3.30

COMMERCIAL

I. Core Commercial End-Use Model Description

Introduction:

SDG&E used the Navigator model to generate annual gas demand forecasts for the core commercial market. The core commercial forecast consists of the commercial portion of the GN-3 load. SDG&E used the Navigator parametric end use model to prepare the core commercial long-term forecast. The model's market segmentation description and end-use modeling framework are presented in the previous section of the SDG&E workpapers.

The market segmentation groups for the commercial portion of the GN-3 sector are identified by the premise code classification found in the company billing files. The SDG&E core commercial portion of the GN-3 segmentation contains the following nine types:

- office
- restaurant
- retail
- laundry
- education (school + college)
- health
- lodging
- agriculture
- other/miscellaneous

For the new model, the segments for school and college were combined into "education." The segments for warehouse, government, construction, and TCU were combined into "other".

There are two vintages. These are "old" and "new". The classification termed old describes existing customers (established prior to the year 2021) whereas "new" describes the new commercial portion of GN-3 meter hookups set up in year 2021 and beyond.

The GN-3 model identifies eleven end-uses that are the primary drivers of natural gas demand. These are:

- space heating
- water heating
- drying
- engine
- AC compressor
- cooking
- cooktop
- fryer
- griddle

other cooking
other/miscellaneous

A set of post-model adjustments were applied to the model's annual demand forecast. The first adjustment calibrates to the recorded 2023 weather-adjusted demand, or the "base" year demand. Next, the annual Navigator forecast was parceled out to a series of monthly forecasts by applying weights based on the customer's predicted monthly usage share in total annual consumption. The shares were applied to annual totals to derive the stream of monthly forecasts which are conditional on the particular weather design specification for the entire year. An adjustment to the forecast offsets the throughput by the energy efficiency (EE) savings. The forecast was also reduced by the AAFS Scenario 3 Programmatic Savings. The AAFS3 Programmatic was obtained from the CEC's "California Energy Demand Forecast", IEPR 2023.

The forecast was adjusted further for anticipated climate change. To account for anticipated weather that is "less cold" and more variable, the average year weather design was reduced by six fewer heating degree days each year over the forecast period for SDG&E.

Tables 1-4 in the following section illustrate the GN-3 monthly forecast under each of the weather design scenarios (average year, cold year, hot year and base year). Table 5 shows the energy efficiency and fuel substitution forecast used to prepare the out of model adjustment and the final forecast.

Data Sources:

The data used to populate the Navigator model template and used to generate the unadjusted base forecast includes historical 2023 consumption and customer counts; price elasticities; historical meter counts (total and by vintage type), use per meter (total and by vintage type), saturation, fuel shares and unit energy consumption (UEC) values. The historical 2023 data is in Table 6. Tables 7-11 show accounts, units, saturations, fuel shares and UEC's. Table 12 contains the nominal and real gas rates forecast for this market.

San Diego Gas & Electric Company
Commercial Portion of Commercial Portion of GN-3
Average Year Forecast (Mdth)

Table C Comm-1

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	1,717	1,616	1,501	1,355	1,154	1,038	1,005	1,003	1,006	1,070	1,343	1,746	15,556
2024	1,741	1,639	1,522	1,375	1,172	1,055	1,021	1,019	1,022	1,087	1,363	1,770	15,787
2025	1,744	1,642	1,526	1,379	1,176	1,059	1,026	1,024	1,026	1,091	1,367	1,773	15,833
2026	1,687	1,589	1,477	1,335	1,140	1,027	995	993	995	1,058	1,324	1,715	15,335
2027	1,687	1,589	1,477	1,337	1,142	1,029	997	995	998	1,060	1,325	1,715	15,350
2028	1,675	1,578	1,467	1,329	1,135	1,024	992	990	992	1,054	1,317	1,703	15,255
2029	1,672	1,576	1,466	1,328	1,135	1,024	992	990	993	1,054	1,316	1,700	15,247
2030	1,669	1,573	1,463	1,327	1,135	1,024	992	991	993	1,054	1,315	1,696	15,232
2031	1,664	1,568	1,460	1,324	1,133	1,023	992	990	992	1,053	1,312	1,691	15,202
2032	1,650	1,555	1,448	1,314	1,125	1,017	986	984	986	1,046	1,302	1,677	15,092
2033	1,629	1,536	1,430	1,299	1,113	1,006	975	974	976	1,035	1,287	1,656	14,917
2034	1,615	1,522	1,419	1,289	1,105	1,000	969	967	970	1,028	1,277	1,641	14,803
2035	1,618	1,526	1,422	1,293	1,109	1,004	973	971	974	1,032	1,281	1,644	14,848
2036	1,617	1,525	1,422	1,294	1,110	1,005	975	973	976	1,033	1,281	1,643	14,854
2037	1,614	1,522	1,420	1,293	1,110	1,006	974	973	976	1,033	1,280	1,640	14,840
2038	1,614	1,523	1,420	1,294	1,112	1,008	977	975	978	1,035	1,282	1,640	14,858
2039	1,615	1,524	1,422	1,297	1,114	1,011	980	978	981	1,038	1,284	1,641	14,885
2040	1,615	1,524	1,422	1,298	1,116	1,012	982	980	983	1,040	1,285	1,696	14,952

San Diego Gas & Electric Company

Commercial Portion of Commercial Portion of GN-3 Table C Comm-2

Cold Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	1,847	1,730	1,591	1,411	1,181	1,043	1,006	1,003	1,007	1,082	1,400	1,885	16,186
2024	1,870	1,752	1,613	1,431	1,199	1,060	1,022	1,019	1,023	1,099	1,420	1,909	16,416
2025	1,873	1,755	1,616	1,435	1,203	1,064	1,026	1,024	1,027	1,103	1,423	1,912	16,462
2026	1,816	1,702	1,567	1,392	1,166	1,032	995	993	996	1,070	1,380	1,854	15,962
2027	1,816	1,702	1,567	1,393	1,168	1,034	997	995	998	1,072	1,381	1,854	15,977
2028	1,804	1,690	1,557	1,385	1,161	1,029	992	990	993	1,066	1,373	1,841	15,880
2029	1,801	1,688	1,556	1,384	1,161	1,029	993	990	994	1,066	1,372	1,838	15,872
2030	1,797	1,685	1,553	1,383	1,161	1,029	993	991	994	1,066	1,371	1,834	15,856
2031	1,792	1,680	1,549	1,380	1,159	1,028	992	990	993	1,065	1,368	1,829	15,825
2032	1,778	1,667	1,538	1,370	1,152	1,022	986	984	987	1,058	1,358	1,815	15,714
2033	1,757	1,648	1,520	1,355	1,139	1,011	976	974	977	1,047	1,343	1,793	15,538
2034	1,742	1,634	1,508	1,345	1,131	1,005	970	967	970	1,040	1,333	1,778	15,424
2035	1,745	1,637	1,511	1,349	1,135	1,009	974	971	974	1,044	1,336	1,781	15,467
2036	1,744	1,636	1,511	1,349	1,136	1,010	975	973	976	1,045	1,337	1,780	15,473
2037	1,741	1,633	1,509	1,348	1,136	1,010	974	973	976	1,045	1,336	1,776	15,458
2038	1,741	1,634	1,509	1,350	1,137	1,012	978	975	978	1,047	1,337	1,776	15,475
2039	1,742	1,635	1,511	1,352	1,140	1,015	980	978	981	1,050	1,339	1,777	15,502
2040	1,741	1,635	1,511	1,353	1,141	1,017	982	980	983	1,052	1,340	1,832	15,567

San Diego Gas & Electric Company

Commercial Portion of Commercial Portion of GN-3 Table C Comm-3

Hot Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	1,588	1,503	1,410	1,298	1,128	1,034	1,005	1,003	1,006	1,058	1,287	1,606	14,926
2024	1,612	1,526	1,431	1,318	1,146	1,050	1,021	1,019	1,022	1,075	1,307	1,631	15,158
2025	1,615	1,529	1,435	1,322	1,150	1,054	1,025	1,024	1,026	1,079	1,311	1,634	15,205
2026	1,559	1,476	1,386	1,279	1,114	1,022	994	993	995	1,045	1,268	1,577	14,707
2027	1,559	1,477	1,387	1,281	1,115	1,024	996	995	997	1,047	1,269	1,577	14,724
2028	1,547	1,465	1,377	1,272	1,109	1,019	991	990	992	1,042	1,261	1,564	14,629
2029	1,544	1,463	1,376	1,272	1,109	1,019	992	990	993	1,042	1,260	1,562	14,622
2030	1,541	1,460	1,373	1,271	1,108	1,019	992	991	993	1,042	1,259	1,558	14,608
2031	1,536	1,456	1,370	1,268	1,107	1,019	991	990	992	1,041	1,256	1,553	14,579
2032	1,522	1,443	1,359	1,259	1,099	1,012	985	984	986	1,034	1,247	1,539	14,470
2033	1,501	1,424	1,341	1,243	1,087	1,002	975	974	976	1,023	1,232	1,518	14,295
2034	1,487	1,411	1,329	1,234	1,079	995	969	967	970	1,016	1,222	1,504	14,183
2035	1,491	1,414	1,333	1,238	1,083	999	973	971	974	1,020	1,225	1,507	14,228
2036	1,490	1,414	1,333	1,238	1,084	1,001	974	973	975	1,021	1,226	1,506	14,235
2037	1,487	1,411	1,331	1,237	1,084	1,001	973	973	975	1,021	1,225	1,503	14,222
2038	1,487	1,412	1,332	1,239	1,086	1,003	977	975	978	1,023	1,226	1,503	14,240
2039	1,489	1,413	1,334	1,241	1,088	1,006	980	978	980	1,026	1,229	1,505	14,269
2040	1,488	1,413	1,334	1,242	1,090	1,008	982	980	982	1,028	1,230	1,560	14,336

San Diego Gas & Electric Company

Commercial Portion of Commercial Portion of GN-3 Table C Comm-4

Base Year Forecast (Mdth)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2023	1,020	954	1,020	987	1,020	987	1,020	1,020	987	1,020	987	1,020	12,040
2024	1,043	976	1,043	1,009	1,043	1,009	1,043	1,043	1,009	1,043	1,009	1,043	12,312
2025	1,050	982	1,050	1,016	1,050	1,016	1,050	1,050	1,016	1,050	1,016	1,050	12,399
2026	1,011	946	1,011	979	1,011	979	1,011	1,011	979	1,011	979	1,011	11,941
2027	1,016	951	1,016	983	1,016	983	1,016	1,016	983	1,016	983	1,016	11,997
2028	1,011	946	1,011	979	1,011	979	1,011	1,011	979	1,011	979	1,011	11,942
2029	1,014	949	1,014	981	1,014	981	1,014	1,014	981	1,014	981	1,014	11,974
2030	1,016	951	1,016	984	1,016	984	1,016	1,016	984	1,016	984	1,016	11,999
2031	1,017	952	1,017	984	1,017	984	1,017	1,017	984	1,017	984	1,017	12,009
2032	1,011	946	1,011	979	1,011	979	1,011	1,011	979	1,011	979	1,011	11,939
2033	1,000	935	1,000	968	1,000	968	1,000	1,000	968	1,000	968	1,000	11,804
2034	994	929	994	961	994	961	994	994	961	994	961	994	11,730
2035	1,001	936	1,001	968	1,001	968	1,001	1,001	968	1,001	968	1,001	11,814
2036	1,005	940	1,005	972	1,005	972	1,005	1,005	972	1,005	972	1,005	11,860
2037	1,007	942	1,007	975	1,007	975	1,007	1,007	975	1,007	975	1,007	11,889
2038	1,012	946	1,012	979	1,012	979	1,012	1,012	979	1,012	979	1,012	11,943
2039	1,017	952	1,017	984	1,017	984	1,017	1,017	984	1,017	984	1,017	12,010
2040	1,017	951	1,017	984	1,017	984	1,017	1,017	984	1,017	984	1,017	12,004

San Diego Gas & Electric Company
Core Commercial Market Out of Model Adjustments
Table C Comm-5 Energy Efficiency and Fuel Substitution (Mdth

YEAR	Energy Efficiency	Fuel Substitution
2023	-	-
2024	115	10
2025	234	23
2026	354	36
2027	482	53
2028	611	76
2029	743	107
2030	873	114
2031	1,002	113
2032	1,132	112
2033	1,280	111
2034	1,277	109
2035	1,276	106
2036	1,276	102
2037	1,267	98
2038	1,257	93
2039	1,246	87
2040	1,238	81

San Diego Gas & Electric Company
Historical Base Year (2023) Data
Table C Comm-6

Segment	2023 Therm Sales	2023 Meter Count	2023 Meter Count, Existing/Old customers	2023 Meter Count New Customers	Avg Use Per Meter Existing Customers	Avg Use Per Meter New Customers	Price Elasticity
Office	33,322,664	6,084	5,956	128	5,438	7,946	-0.26262
Restaurant	31,532,997	5,684	5,587	97	5,560	4,831	-0.05592
Retail	9,886,610	2,515	2,466	49	3,982	1,357	-0.04226
Laundry	4,844,088	376	373	3	12,720	33,231	-0.0166
Education	10,329,560	1,192	1,176	16	8,740	3,233	-0.27169
Health	11,965,917	664	658	6	17,832	38,701	-0.10461
Lodging	13,882,826	790	782	8	17,199	54,144	-0.12368
Misc	38,083,269	8,622	7,841	781	4,422	4,368	-0.17366
Agriculture	1,712,609	88	86	2	19,880	1,448	-0.19933
Total	155,560,539	26,015					

Note: New Customers are total for 2021-2023

San Diego Gas & Electric Company
Commercial Portion of GN-3 Meter Forecast
Table C Comm-7

Variable	Region	Rate Class	Segment ID	2023	2024	2025	2026	2027	2028	2029	2030	2031
ACCOUNTS	SDGE	G-10	Agriculture_post2020	-	2	2	3	3	3	3	3	4
ACCOUNTS	SDGE	G-10	Agriculture_pre2021	86	86	85	85	84	84	83	82	81
ACCOUNTS	SDGE	G-10	Health_post2020	6	11	17	22	28	33	38	44	49
ACCOUNTS	SDGE	G-10	Health_pre2021	658	653	649	644	639	634	628	621	614
ACCOUNTS	SDGE	G-10	Laundry_post2020	3	4	5	5	6	7	8	9	9
ACCOUNTS	SDGE	G-10	Laundry_pre2021	373	372	371	370	369	368	366	364	362
ACCOUNTS	SDGE	G-10	Lodging_post2020	8	14	20	25	31	37	43	48	54
ACCOUNTS	SDGE	G-10	Lodging_pre2021	782	779	777	774	771	768	764	759	753
ACCOUNTS	SDGE	G-10	Misc_post2020	781	1,004	1,227	1,450	1,673	1,894	2,113	2,328	2,540
ACCOUNTS	SDGE	G-10	Misc_pre2021	7,841	7,757	7,672	7,588	7,503	7,412	7,313	7,207	7,095
ACCOUNTS	SDGE	G-10	Office_post2020	128	181	234	288	341	394	446	497	548
ACCOUNTS	SDGE	G-10	Office_pre2021	5,956	5,928	5,900	5,872	5,843	5,810	5,770	5,725	5,674
ACCOUNTS	SDGE	G-10	Restaurant_post2020	97	164	231	299	366	433	499	564	628
ACCOUNTS	SDGE	G-10	Restaurant_pre2021	5,587	5,581	5,575	5,569	5,563	5,552	5,535	5,513	5,485
ACCOUNTS	SDGE	G-10	Retail_post2020	49	79	109	140	170	200	230	259	288
ACCOUNTS	SDGE	G-10	Retail_pre2021	2,466	2,445	2,423	2,402	2,381	2,357	2,331	2,303	2,272
ACCOUNTS	SDGE	G-10	EDUCATION_post2020	16	25	34	42	51	60	69	77	86
ACCOUNTS	SDGE	G-10	EDUCATION_pre2021	1,176	1,173	1,171	1,168	1,166	1,162	1,157	1,151	1,144

Variable	Region	Rate Class	Segment ID	2032	2033	2034	2035	2036	2037	2038	2039	2040
ACCOUNTS	SDGE	G-10	Agriculture_post2020	4	4	4	4	4	5	5	5	5
ACCOUNTS	SDGE	G-10	Agriculture_pre2021	80	80	79	78	77	76	75	74	73
ACCOUNTS	SDGE	G-10	Health_post2020	54	59	64	69	73	78	83	87	92
ACCOUNTS	SDGE	G-10	Health_pre2021	606	598	590	582	574	566	558	550	542
ACCOUNTS	SDGE	G-10	Laundry_post2020	10	11	11	12	13	14	14	15	16
ACCOUNTS	SDGE	G-10	Laundry_pre2021	359	356	353	350	347	344	341	338	335
ACCOUNTS	SDGE	G-10	Lodging_post2020	59	65	70	75	80	85	90	95	100
ACCOUNTS	SDGE	G-10	Lodging_pre2021	746	739	732	725	719	712	705	698	691
ACCOUNTS	SDGE	G-10	Misc_post2020	2,747	2,949	3,148	3,345	3,540	3,732	3,922	4,109	4,294
ACCOUNTS	SDGE	G-10	Misc_pre2021	6,977	6,852	6,729	6,608	6,487	6,368	6,250	6,133	6,017
ACCOUNTS	SDGE	G-10	Office_post2020	598	646	694	742	788	835	880	925	970
ACCOUNTS	SDGE	G-10	Office_pre2021	5,618	5,557	5,497	5,437	5,378	5,319	5,260	5,202	5,145
ACCOUNTS	SDGE	G-10	Restaurant_post2020	691	753	814	874	934	992	1,050	1,108	1,164
ACCOUNTS	SDGE	G-10	Restaurant_pre2021	5,452	5,413	5,375	5,338	5,300	5,263	5,226	5,189	5,153
ACCOUNTS	SDGE	G-10	Retail_post2020	316	344	371	398	425	451	477	503	528
ACCOUNTS	SDGE	G-10	Retail_pre2021	2,240	2,206	2,172	2,138	2,105	2,072	2,040	2,007	1,975
ACCOUNTS	SDGE	G-10	EDUCATION_post2020	94	102	110	118	125	133	141	148	156
ACCOUNTS	SDGE	G-10	EDUCATION_pre2021	1,136	1,127	1,118	1,109	1,100	1,091	1,082	1,073	1,064

San Diego Gas & Electric Company
Commercial Portion of GN-3 Units, 2023
Table C Comm-8

Variable	Region	Segment ID	Commercial portion of GN-3
UNITS	SDGE	Agriculture_post2020	2
UNITS	SDGE	Agriculture_pre2021	86
UNITS	SDGE	Health_post2020	6
UNITS	SDGE	Health_pre2021	658
UNITS	SDGE	Laundry_post2020	3
UNITS	SDGE	Laundry_pre2021	373
UNITS	SDGE	Lodging_post2020	8
UNITS	SDGE	Lodging_pre2021	782
UNITS	SDGE	Misc_post2020	781
UNITS	SDGE	Misc_pre2021	7,841
UNITS	SDGE	Office_post2020	128
UNITS	SDGE	Office_pre2021	5,956
UNITS	SDGE	Restaurant_post2020	97
UNITS	SDGE	Restaurant_pre2021	5,587
UNITS	SDGE	Retail_post2020	49
UNITS	SDGE	Retail_pre2021	2,466
UNITS	SDGE	EDUCATION_post2020	16
UNITS	SDGE	EDUCATION_pre2021	1,176

San Diego Gas & Electric Company
Commercial Portion of GN-3 Saturations
Table C Comm-9

' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	Ex	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Agriculture_post2020	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	Ex	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Agriculture_pre2021	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Health_post2020	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	Ex	Health_post2020	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_post2020	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_post2020	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

San Diego Gas & Electric Company
Commercial Portion of GN-3 Saturations
Table C Comm-9

' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	Health_post2020	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	Ex	Health_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_pre2021	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	Ex	Health_pre2021	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_pre2021	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_pre2021	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	Ex	Health_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Laundry_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

San Diego Gas & Electric Company
Commercial Portion of GN-3 Saturations
Table C Comm-9

' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Laundry_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_post2020	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	Ex	Lodging_post2020	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_post2020	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Lodging_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	Ex	Lodging_pre2021	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Lodging_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_post2020	AC_Compressor	0.57	0.53	0.51	0.51	0.52	0.52	0.52	0.52
SATURATION	SDGE	Ex	Misc_post2020	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_post2020	Engine	0.09	0.12	0.13	0.13	0.13	0.13	0.12	0.12
SATURATION	SDGE	Ex	Misc_post2020	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	Misc_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_post2020	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Space_Heat	0.68	0.68	0.68	0.67	0.68	0.68	0.68	0.68
SATURATION	SDGE	Ex	Misc_post2020	Water_Heat	0.70	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SATURATION	SDGE	Ex	Misc_pre2021	AC_Compressor	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SATURATION	SDGE	Ex	Misc_pre2021	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Engine	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Misc_pre2021	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_pre2021	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Space_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Misc_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Office_post2020	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	Ex	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Office_post2020	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Office_pre2021	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	Ex	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
		New										
SATURATION	SDGE	Ex	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Office_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Restaurant_post2020	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Restaurant_post2020	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	Ex	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	Ex	Restaurant_post2020	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	Restaurant_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Restaurant_post2020	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Restaurant_post2020	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Restaurant_post2020	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	Ex	Restaurant_pre2021	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Restaurant_pre2021	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	Ex	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	Ex	Restaurant_pre2021	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	Restaurant_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Restaurant_pre2021	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Restaurant_pre2021	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	Ex	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	Ex	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	Ex	Retail_post2020	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	Ex	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	Ex	Retail_pre2021	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	EDUCATION_post2020	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	Ex	EDUCATION_post2020	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Space_Heat	0.84	0.83	0.82	0.81	0.80	0.80	0.80	0.80
SATURATION	SDGE	Ex	EDUCATION_post2020	Water_Heat	0.93	0.94	0.94	0.94	0.94	0.94	0.95	0.95
SATURATION	SDGE	Ex	EDUCATION_pre2021	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	Ex	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	SDGE	Ex	EDUCATION_pre2021	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SATURATION	SDGE	New	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_post2020	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	New	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Agriculture_post2020	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	New	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Agriculture_pre2021	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Health_post2020	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	New	Health_post2020	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	Health_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_post2020	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_post2020	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	New	Health_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_pre2021	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	New	Health_pre2021	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_pre2021	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_pre2021	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	New	Health_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Laundry_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Laundry_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_post2020	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	New	Lodging_post2020	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_post2020	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_post2020	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Lodging_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_pre2021	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	New	Lodging_pre2021	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_pre2021	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_pre2021	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Lodging_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_post2020	AC_Compressor	0.57	0.53	0.51	0.51	0.52	0.52	0.52	0.52

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	Misc_post2020	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_post2020	Engine	0.09	0.12	0.13	0.13	0.13	0.13	0.12	0.12
SATURATION	SDGE	New	Misc_post2020	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_post2020	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Space_Heat	0.68	0.68	0.68	0.67	0.68	0.68	0.68	0.68
SATURATION	SDGE	New	Misc_post2020	Water_Heat	0.70	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SATURATION	SDGE	New	Misc_pre2021	AC_Compressor	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SATURATION	SDGE	New	Misc_pre2021	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_pre2021	Engine	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Misc_pre2021	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_pre2021	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Space_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Misc_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	New	Office_post2020	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	New	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Office_post2020	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	Office_pre2021	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	New	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Office_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	New	Restaurant_post2020	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Restaurant_post2020	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	New	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	New	Restaurant_post2020	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	Restaurant_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Restaurant_post2020	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Restaurant_post2020	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Restaurant_post2020	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	New	Restaurant_pre2021	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Restaurant_pre2021	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	New	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	New	Restaurant_pre2021	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	Restaurant_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Restaurant_pre2021	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Restaurant_pre2021	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	Restaurant_pre2021	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	New	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	New	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	New	Retail_post2020	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	New	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	New	Retail_pre2021	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	EDUCATION_post2020	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	New	EDUCATION_post2020	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	EDUCATION_post2020	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

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' Headers	Region	Existing/ New	Segment ID	End Use	2023	2024	2025	2026	2027	2028	2029	2030
SATURATION	SDGE	New	EDUCATION_post2020	Space_Heat	0.84	0.83	0.82	0.81	0.80	0.80	0.80	0.80
SATURATION	SDGE	New	EDUCATION_post2020	Water_Heat	0.93	0.94	0.94	0.94	0.94	0.94	0.95	0.95
SATURATION	SDGE	New	EDUCATION_pre2021	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	New	EDUCATION_pre2021	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	EDUCATION_pre2021	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	SDGE	New	EDUCATION_pre2021	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	Ex	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Agriculture_post2020	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	Ex	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Agriculture_pre2021	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Health_post2020	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	Ex	Health_post2020	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_post2020	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_post2020	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Health_post2020	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	Ex	Health_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_pre2021	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	Ex	Health_pre2021	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Health_pre2021	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Health_pre2021	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Health_pre2021	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	Ex	Health_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Laundry_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	Ex	Laundry_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_post2020	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	Ex	Lodging_post2020	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_post2020	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Lodging_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	Ex	Lodging_pre2021	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Lodging_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_post2020	AC_Compressor	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SATURATION	SDGE	Ex	Misc_post2020	Cook_top	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_post2020	Engine	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	SDGE	Ex	Misc_post2020	Fryer	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Griddle	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Misc_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_post2020	Other_Cooking	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	Ex	Misc_post2020	Space_Heat	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Misc_post2020	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SATURATION	SDGE	Ex	Misc_pre2021	AC_Compressor	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SATURATION	SDGE	Ex	Misc_pre2021	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Engine	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	Ex	Misc_pre2021	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Misc_pre2021	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Space_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	Ex	Misc_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Office_post2020	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	Ex	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_post2020	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Office_post2020	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Office_pre2021	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	Ex	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	Ex	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Office_pre2021	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Office_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	Ex	Restaurant_post2020	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Restaurant_post2020	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	Ex	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	Ex	Restaurant_post2020	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	Restaurant_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Restaurant_post2020	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Restaurant_post2020	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Restaurant_post2020	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	Ex	Restaurant_pre2021	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	Ex	Restaurant_pre2021	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	Ex	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	Ex	Restaurant_pre2021	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	Ex	Restaurant_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	Ex	Restaurant_pre2021	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	Ex	Restaurant_pre2021	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	Ex	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	Ex	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_post2020	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	Ex	Retail_post2020	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	Ex	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	Ex	Retail_pre2021	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	Ex	EDUCATION_post2020	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	Ex	EDUCATION_post2020	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Space_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	Ex	EDUCATION_post2020	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SATURATION	SDGE	Ex	EDUCATION_pre2021	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	Ex	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	SDGE	Ex	EDUCATION_pre2021	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SATURATION	SDGE	New	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_post2020	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	New	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Agriculture_post2020	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	SDGE	New	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Agriculture_pre2021	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Health_post2020	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	New	Health_post2020	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	Health_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_post2020	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_post2020	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_post2020	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	New	Health_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_pre2021	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	New	Health_pre2021	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Health_pre2021	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Health_pre2021	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Health_pre2021	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	SDGE	New	Health_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Laundry_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Laundry_pre2021	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	SDGE	New	Laundry_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_post2020	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	New	Lodging_post2020	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_post2020	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_post2020	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_post2020	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_post2020	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Lodging_post2020	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_pre2021	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	SDGE	New	Lodging_pre2021	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_pre2021	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Lodging_pre2021	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Lodging_pre2021	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Lodging_pre2021	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Lodging_pre2021	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_post2020	AC_Compressor	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	Misc_post2020	Cook_top	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_post2020	Engine	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	SDGE	New	Misc_post2020	Fryer	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Griddle	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_post2020	Other_Cooking	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SATURATION	SDGE	New	Misc_post2020	Space_Heat	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Misc_post2020	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SATURATION	SDGE	New	Misc_pre2021	AC_Compressor	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SATURATION	SDGE	New	Misc_pre2021	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Misc_pre2021	Engine	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	SDGE	New	Misc_pre2021	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Griddle	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Misc_pre2021	Other_Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	SDGE	New	Misc_pre2021	Space_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	SDGE	New	Misc_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	New	Office_post2020	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	New	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_post2020	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Office_post2020	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	Office_pre2021	AC_Compressor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SATURATION	SDGE	New	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	SDGE	New	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Office_pre2021	Space_Heat	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Office_pre2021	Water_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	SDGE	New	Restaurant_post2020	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Restaurant_post2020	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	New	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_post2020	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	New	Restaurant_post2020	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	Restaurant_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Restaurant_post2020	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Restaurant_post2020	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	SDGE	New	Restaurant_post2020	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	New	Restaurant_pre2021	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	SDGE	New	Restaurant_pre2021	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	SDGE	New	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	SDGE	New	Restaurant_pre2021	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	SDGE	New	Restaurant_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Restaurant_pre2021	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	SDGE	New	Restaurant_pre2021	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	Retail_pre2021	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	SDGE	New	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	New	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_post2020	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	New	Retail_post2020	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	SDGE	New	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	Retail_pre2021	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	SDGE	New	Retail_pre2021	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	SDGE	New	EDUCATION_post2020	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	New	EDUCATION_post2020	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	EDUCATION_post2020	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

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' Headers	Region	Existing/ New	Segment ID	End Use	2031	2032	2033	2034	2035	2036	2037	2038	2039
SATURATION	SDGE	New	EDUCATION_post2020	Space_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	SDGE	New	EDUCATION_post2020	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SATURATION	SDGE	New	EDUCATION_pre2021	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	SDGE	New	EDUCATION_pre2021	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	SDGE	New	EDUCATION_pre2021	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	SDGE	New	EDUCATION_pre2021	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Agriculture_post2020	AC_Compressor	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cook_top	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Drying	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Engine	0.50
SATURATION	SDGE	Ex	Agriculture_post2020	Fryer	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Griddle	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other	1.00
SATURATION	SDGE	Ex	Agriculture_post2020	Other_Cooking	0.00
SATURATION	SDGE	Ex	Agriculture_post2020	Space_Heat	0.72
SATURATION	SDGE	Ex	Agriculture_post2020	Water_Heat	0.69
SATURATION	SDGE	Ex	Agriculture_pre2021	AC_Compressor	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cook_top	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Drying	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Engine	0.50
SATURATION	SDGE	Ex	Agriculture_pre2021	Fryer	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Griddle	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other	1.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Other_Cooking	0.00
SATURATION	SDGE	Ex	Agriculture_pre2021	Space_Heat	0.72
SATURATION	SDGE	Ex	Agriculture_pre2021	Water_Heat	0.69
SATURATION	SDGE	Ex	Health_post2020	AC_Compressor	0.79
SATURATION	SDGE	Ex	Health_post2020	Cook_top	0.10
SATURATION	SDGE	Ex	Health_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Health_post2020	Drying	0.82
SATURATION	SDGE	Ex	Health_post2020	Engine	0.00
SATURATION	SDGE	Ex	Health_post2020	Fryer	0.10
SATURATION	SDGE	Ex	Health_post2020	Griddle	0.10
SATURATION	SDGE	Ex	Health_post2020	Other	1.00
SATURATION	SDGE	Ex	Health_post2020	Other_Cooking	0.10

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Health_post2020	Space_Heat	0.94
SATURATION	SDGE	Ex	Health_post2020	Water_Heat	1.00
SATURATION	SDGE	Ex	Health_pre2021	AC_Compressor	0.79
SATURATION	SDGE	Ex	Health_pre2021	Cook_top	0.10
SATURATION	SDGE	Ex	Health_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Health_pre2021	Drying	0.82
SATURATION	SDGE	Ex	Health_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Health_pre2021	Fryer	0.10
SATURATION	SDGE	Ex	Health_pre2021	Griddle	0.10
SATURATION	SDGE	Ex	Health_pre2021	Other	1.00
SATURATION	SDGE	Ex	Health_pre2021	Other_Cooking	0.10
SATURATION	SDGE	Ex	Health_pre2021	Space_Heat	0.94
SATURATION	SDGE	Ex	Health_pre2021	Water_Heat	1.00
SATURATION	SDGE	Ex	Laundry_post2020	AC_Compressor	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cook_top	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Drying	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Engine	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Fryer	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Griddle	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Other	1.00
SATURATION	SDGE	Ex	Laundry_post2020	Other_Cooking	0.00
SATURATION	SDGE	Ex	Laundry_post2020	Space_Heat	0.72
SATURATION	SDGE	Ex	Laundry_post2020	Water_Heat	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	AC_Compressor	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cook_top	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Drying	1.00
SATURATION	SDGE	Ex	Laundry_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Fryer	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Griddle	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Other	1.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Laundry_pre2021	Other_Cooking	0.00
SATURATION	SDGE	Ex	Laundry_pre2021	Space_Heat	0.72
SATURATION	SDGE	Ex	Laundry_pre2021	Water_Heat	1.00
SATURATION	SDGE	Ex	Lodging_post2020	AC_Compressor	0.80
SATURATION	SDGE	Ex	Lodging_post2020	Cook_top	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Drying	0.82
SATURATION	SDGE	Ex	Lodging_post2020	Engine	0.00
SATURATION	SDGE	Ex	Lodging_post2020	Fryer	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Griddle	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Other	1.00
SATURATION	SDGE	Ex	Lodging_post2020	Other_Cooking	0.08
SATURATION	SDGE	Ex	Lodging_post2020	Space_Heat	0.90
SATURATION	SDGE	Ex	Lodging_post2020	Water_Heat	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	AC_Compressor	0.80
SATURATION	SDGE	Ex	Lodging_pre2021	Cook_top	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Drying	0.82
SATURATION	SDGE	Ex	Lodging_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Lodging_pre2021	Fryer	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Griddle	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Other	1.00
SATURATION	SDGE	Ex	Lodging_pre2021	Other_Cooking	0.08
SATURATION	SDGE	Ex	Lodging_pre2021	Space_Heat	0.90
SATURATION	SDGE	Ex	Lodging_pre2021	Water_Heat	1.00
SATURATION	SDGE	Ex	Misc_post2020	AC_Compressor	0.53
SATURATION	SDGE	Ex	Misc_post2020	Cook_top	0.04
SATURATION	SDGE	Ex	Misc_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Misc_post2020	Drying	0.00
SATURATION	SDGE	Ex	Misc_post2020	Engine	0.12
SATURATION	SDGE	Ex	Misc_post2020	Fryer	0.04
SATURATION	SDGE	Ex	Misc_post2020	Griddle	0.04

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Misc_post2020	Other	1.00
SATURATION	SDGE	Ex	Misc_post2020	Other_Cooking	0.04
SATURATION	SDGE	Ex	Misc_post2020	Space_Heat	0.69
SATURATION	SDGE	Ex	Misc_post2020	Water_Heat	0.71
SATURATION	SDGE	Ex	Misc_pre2021	AC_Compressor	0.53
SATURATION	SDGE	Ex	Misc_pre2021	Cook_top	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Drying	0.00
SATURATION	SDGE	Ex	Misc_pre2021	Engine	0.10
SATURATION	SDGE	Ex	Misc_pre2021	Fryer	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Griddle	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Other	1.00
SATURATION	SDGE	Ex	Misc_pre2021	Other_Cooking	0.03
SATURATION	SDGE	Ex	Misc_pre2021	Space_Heat	0.69
SATURATION	SDGE	Ex	Misc_pre2021	Water_Heat	0.70
SATURATION	SDGE	Ex	Office_post2020	AC_Compressor	0.93
SATURATION	SDGE	Ex	Office_post2020	Cook_top	0.00
SATURATION	SDGE	Ex	Office_post2020	Cooking	0.08
SATURATION	SDGE	Ex	Office_post2020	Drying	0.00
SATURATION	SDGE	Ex	Office_post2020	Engine	0.00
SATURATION	SDGE	Ex	Office_post2020	Fryer	0.00
SATURATION	SDGE	Ex	Office_post2020	Griddle	0.00
SATURATION	SDGE	Ex	Office_post2020	Other	1.00
SATURATION	SDGE	Ex	Office_post2020	Other_Cooking	0.00
SATURATION	SDGE	Ex	Office_post2020	Space_Heat	0.87
SATURATION	SDGE	Ex	Office_post2020	Water_Heat	0.70
SATURATION	SDGE	Ex	Office_pre2021	AC_Compressor	0.93
SATURATION	SDGE	Ex	Office_pre2021	Cook_top	0.00
SATURATION	SDGE	Ex	Office_pre2021	Cooking	0.08
SATURATION	SDGE	Ex	Office_pre2021	Drying	0.00
SATURATION	SDGE	Ex	Office_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Office_pre2021	Fryer	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Office_pre2021	Griddle	0.00
SATURATION	SDGE	Ex	Office_pre2021	Other	1.00
SATURATION	SDGE	Ex	Office_pre2021	Other_Cooking	0.00
SATURATION	SDGE	Ex	Office_pre2021	Space_Heat	0.87
SATURATION	SDGE	Ex	Office_pre2021	Water_Heat	0.70
SATURATION	SDGE	Ex	Restaurant_post2020	AC_Compressor	0.87
SATURATION	SDGE	Ex	Restaurant_post2020	Cook_top	0.75
SATURATION	SDGE	Ex	Restaurant_post2020	Cooking	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Drying	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Engine	0.00
SATURATION	SDGE	Ex	Restaurant_post2020	Fryer	0.73
SATURATION	SDGE	Ex	Restaurant_post2020	Griddle	0.57
SATURATION	SDGE	Ex	Restaurant_post2020	Other	1.00
SATURATION	SDGE	Ex	Restaurant_post2020	Other_Cooking	0.90
SATURATION	SDGE	Ex	Restaurant_post2020	Space_Heat	0.82
SATURATION	SDGE	Ex	Restaurant_post2020	Water_Heat	0.96
SATURATION	SDGE	Ex	Restaurant_pre2021	AC_Compressor	0.87
SATURATION	SDGE	Ex	Restaurant_pre2021	Cook_top	0.75
SATURATION	SDGE	Ex	Restaurant_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Drying	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Fryer	0.73
SATURATION	SDGE	Ex	Restaurant_pre2021	Griddle	0.57
SATURATION	SDGE	Ex	Restaurant_pre2021	Other	1.00
SATURATION	SDGE	Ex	Restaurant_pre2021	Other_Cooking	0.90
SATURATION	SDGE	Ex	Restaurant_pre2021	Space_Heat	0.82
SATURATION	SDGE	Ex	Restaurant_pre2021	Water_Heat	0.96
SATURATION	SDGE	Ex	Retail_post2020	AC_Compressor	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cook_top	0.00
SATURATION	SDGE	Ex	Retail_post2020	Cooking	0.25
SATURATION	SDGE	Ex	Retail_post2020	Drying	0.00
SATURATION	SDGE	Ex	Retail_post2020	Engine	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	Retail_post2020	Fryer	0.00
SATURATION	SDGE	Ex	Retail_post2020	Griddle	0.00
SATURATION	SDGE	Ex	Retail_post2020	Other	1.00
SATURATION	SDGE	Ex	Retail_post2020	Other_Cooking	0.00
SATURATION	SDGE	Ex	Retail_post2020	Space_Heat	0.77
SATURATION	SDGE	Ex	Retail_post2020	Water_Heat	0.62
SATURATION	SDGE	Ex	Retail_pre2021	AC_Compressor	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cook_top	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Cooking	0.25
SATURATION	SDGE	Ex	Retail_pre2021	Drying	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Engine	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Fryer	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Griddle	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Other	1.00
SATURATION	SDGE	Ex	Retail_pre2021	Other_Cooking	0.00
SATURATION	SDGE	Ex	Retail_pre2021	Space_Heat	0.77
SATURATION	SDGE	Ex	Retail_pre2021	Water_Heat	0.62
SATURATION	SDGE	Ex	EDUCATION_post2020	AC_Compressor	0.89
SATURATION	SDGE	Ex	EDUCATION_post2020	Cook_top	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Cooking	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Drying	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Engine	0.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Fryer	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Griddle	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Other	1.00
SATURATION	SDGE	Ex	EDUCATION_post2020	Other_Cooking	0.15
SATURATION	SDGE	Ex	EDUCATION_post2020	Space_Heat	0.79
SATURATION	SDGE	Ex	EDUCATION_post2020	Water_Heat	0.95
SATURATION	SDGE	Ex	EDUCATION_pre2021	AC_Compressor	0.89
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cook_top	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Cooking	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Drying	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	Ex	EDUCATION_pre2021	Engine	0.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Fryer	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Griddle	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other	1.00
SATURATION	SDGE	Ex	EDUCATION_pre2021	Other_Cooking	0.15
SATURATION	SDGE	Ex	EDUCATION_pre2021	Space_Heat	0.91
SATURATION	SDGE	Ex	EDUCATION_pre2021	Water_Heat	0.92
SATURATION	SDGE	New	Agriculture_post2020	AC_Compressor	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cook_top	0.00
SATURATION	SDGE	New	Agriculture_post2020	Cooking	0.00
SATURATION	SDGE	New	Agriculture_post2020	Drying	1.00
SATURATION	SDGE	New	Agriculture_post2020	Engine	0.50
SATURATION	SDGE	New	Agriculture_post2020	Fryer	0.00
SATURATION	SDGE	New	Agriculture_post2020	Griddle	0.00
SATURATION	SDGE	New	Agriculture_post2020	Other	1.00
SATURATION	SDGE	New	Agriculture_post2020	Other_Cooking	0.00
SATURATION	SDGE	New	Agriculture_post2020	Space_Heat	0.72
SATURATION	SDGE	New	Agriculture_post2020	Water_Heat	0.69
SATURATION	SDGE	New	Agriculture_pre2021	AC_Compressor	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cook_top	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Cooking	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Drying	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Engine	0.50
SATURATION	SDGE	New	Agriculture_pre2021	Fryer	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Griddle	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Other	1.00
SATURATION	SDGE	New	Agriculture_pre2021	Other_Cooking	0.00
SATURATION	SDGE	New	Agriculture_pre2021	Space_Heat	0.72
SATURATION	SDGE	New	Agriculture_pre2021	Water_Heat	0.69
SATURATION	SDGE	New	Health_post2020	AC_Compressor	0.79
SATURATION	SDGE	New	Health_post2020	Cook_top	0.10
SATURATION	SDGE	New	Health_post2020	Cooking	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	Health_post2020	Drying	0.82
SATURATION	SDGE	New	Health_post2020	Engine	0.00
SATURATION	SDGE	New	Health_post2020	Fryer	0.10
SATURATION	SDGE	New	Health_post2020	Griddle	0.10
SATURATION	SDGE	New	Health_post2020	Other	1.00
SATURATION	SDGE	New	Health_post2020	Other_Cooking	0.10
SATURATION	SDGE	New	Health_post2020	Space_Heat	0.94
SATURATION	SDGE	New	Health_post2020	Water_Heat	1.00
SATURATION	SDGE	New	Health_pre2021	AC_Compressor	0.79
SATURATION	SDGE	New	Health_pre2021	Cook_top	0.10
SATURATION	SDGE	New	Health_pre2021	Cooking	0.00
SATURATION	SDGE	New	Health_pre2021	Drying	0.82
SATURATION	SDGE	New	Health_pre2021	Engine	0.00
SATURATION	SDGE	New	Health_pre2021	Fryer	0.10
SATURATION	SDGE	New	Health_pre2021	Griddle	0.10
SATURATION	SDGE	New	Health_pre2021	Other	1.00
SATURATION	SDGE	New	Health_pre2021	Other_Cooking	0.10
SATURATION	SDGE	New	Health_pre2021	Space_Heat	0.94
SATURATION	SDGE	New	Health_pre2021	Water_Heat	1.00
SATURATION	SDGE	New	Laundry_post2020	AC_Compressor	0.00
SATURATION	SDGE	New	Laundry_post2020	Cook_top	0.00
SATURATION	SDGE	New	Laundry_post2020	Cooking	0.00
SATURATION	SDGE	New	Laundry_post2020	Drying	1.00
SATURATION	SDGE	New	Laundry_post2020	Engine	0.00
SATURATION	SDGE	New	Laundry_post2020	Fryer	0.00
SATURATION	SDGE	New	Laundry_post2020	Griddle	0.00
SATURATION	SDGE	New	Laundry_post2020	Other	1.00
SATURATION	SDGE	New	Laundry_post2020	Other_Cooking	0.00
SATURATION	SDGE	New	Laundry_post2020	Space_Heat	0.72
SATURATION	SDGE	New	Laundry_post2020	Water_Heat	1.00
SATURATION	SDGE	New	Laundry_pre2021	AC_Compressor	0.00
SATURATION	SDGE	New	Laundry_pre2021	Cook_top	0.00

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	Laundry_pre2021	Cooking	0.00
SATURATION	SDGE	New	Laundry_pre2021	Drying	1.00
SATURATION	SDGE	New	Laundry_pre2021	Engine	0.00
SATURATION	SDGE	New	Laundry_pre2021	Fryer	0.00
SATURATION	SDGE	New	Laundry_pre2021	Griddle	0.00
SATURATION	SDGE	New	Laundry_pre2021	Other	1.00
SATURATION	SDGE	New	Laundry_pre2021	Other_Cooking	0.00
SATURATION	SDGE	New	Laundry_pre2021	Space_Heat	0.72
SATURATION	SDGE	New	Laundry_pre2021	Water_Heat	1.00
SATURATION	SDGE	New	Lodging_post2020	AC_Compressor	0.80
SATURATION	SDGE	New	Lodging_post2020	Cook_top	0.08
SATURATION	SDGE	New	Lodging_post2020	Cooking	0.00
SATURATION	SDGE	New	Lodging_post2020	Drying	0.82
SATURATION	SDGE	New	Lodging_post2020	Engine	0.00
SATURATION	SDGE	New	Lodging_post2020	Fryer	0.08
SATURATION	SDGE	New	Lodging_post2020	Griddle	0.08
SATURATION	SDGE	New	Lodging_post2020	Other	1.00
SATURATION	SDGE	New	Lodging_post2020	Other_Cooking	0.08
SATURATION	SDGE	New	Lodging_post2020	Space_Heat	0.90
SATURATION	SDGE	New	Lodging_post2020	Water_Heat	1.00
SATURATION	SDGE	New	Lodging_pre2021	AC_Compressor	0.80
SATURATION	SDGE	New	Lodging_pre2021	Cook_top	0.08
SATURATION	SDGE	New	Lodging_pre2021	Cooking	0.00
SATURATION	SDGE	New	Lodging_pre2021	Drying	0.82
SATURATION	SDGE	New	Lodging_pre2021	Engine	0.00
SATURATION	SDGE	New	Lodging_pre2021	Fryer	0.08
SATURATION	SDGE	New	Lodging_pre2021	Griddle	0.08
SATURATION	SDGE	New	Lodging_pre2021	Other	1.00
SATURATION	SDGE	New	Lodging_pre2021	Other_Cooking	0.08
SATURATION	SDGE	New	Lodging_pre2021	Space_Heat	0.90
SATURATION	SDGE	New	Lodging_pre2021	Water_Heat	1.00
SATURATION	SDGE	New	Misc_post2020	AC_Compressor	0.53

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	Misc_post2020	Cook_top	0.04
SATURATION	SDGE	New	Misc_post2020	Cooking	0.00
SATURATION	SDGE	New	Misc_post2020	Drying	0.00
SATURATION	SDGE	New	Misc_post2020	Engine	0.12
SATURATION	SDGE	New	Misc_post2020	Fryer	0.04
SATURATION	SDGE	New	Misc_post2020	Griddle	0.04
SATURATION	SDGE	New	Misc_post2020	Other	1.00
SATURATION	SDGE	New	Misc_post2020	Other_Cooking	0.04
SATURATION	SDGE	New	Misc_post2020	Space_Heat	0.69
SATURATION	SDGE	New	Misc_post2020	Water_Heat	0.71
SATURATION	SDGE	New	Misc_pre2021	AC_Compressor	0.53
SATURATION	SDGE	New	Misc_pre2021	Cook_top	0.03
SATURATION	SDGE	New	Misc_pre2021	Cooking	0.00
SATURATION	SDGE	New	Misc_pre2021	Drying	0.00
SATURATION	SDGE	New	Misc_pre2021	Engine	0.10
SATURATION	SDGE	New	Misc_pre2021	Fryer	0.03
SATURATION	SDGE	New	Misc_pre2021	Griddle	0.03
SATURATION	SDGE	New	Misc_pre2021	Other	1.00
SATURATION	SDGE	New	Misc_pre2021	Other_Cooking	0.03
SATURATION	SDGE	New	Misc_pre2021	Space_Heat	0.69
SATURATION	SDGE	New	Misc_pre2021	Water_Heat	0.70
SATURATION	SDGE	New	Office_post2020	AC_Compressor	0.93
SATURATION	SDGE	New	Office_post2020	Cook_top	0.00
SATURATION	SDGE	New	Office_post2020	Cooking	0.08
SATURATION	SDGE	New	Office_post2020	Drying	0.00
SATURATION	SDGE	New	Office_post2020	Engine	0.00
SATURATION	SDGE	New	Office_post2020	Fryer	0.00
SATURATION	SDGE	New	Office_post2020	Griddle	0.00
SATURATION	SDGE	New	Office_post2020	Other	1.00
SATURATION	SDGE	New	Office_post2020	Other_Cooking	0.00
SATURATION	SDGE	New	Office_post2020	Space_Heat	0.87
SATURATION	SDGE	New	Office_post2020	Water_Heat	0.70

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	Office_pre2021	AC_Compressor	0.93
SATURATION	SDGE	New	Office_pre2021	Cook_top	0.00
SATURATION	SDGE	New	Office_pre2021	Cooking	0.08
SATURATION	SDGE	New	Office_pre2021	Drying	0.00
SATURATION	SDGE	New	Office_pre2021	Engine	0.00
SATURATION	SDGE	New	Office_pre2021	Fryer	0.00
SATURATION	SDGE	New	Office_pre2021	Griddle	0.00
SATURATION	SDGE	New	Office_pre2021	Other	1.00
SATURATION	SDGE	New	Office_pre2021	Other_Cooking	0.00
SATURATION	SDGE	New	Office_pre2021	Space_Heat	0.87
SATURATION	SDGE	New	Office_pre2021	Water_Heat	0.70
SATURATION	SDGE	New	Restaurant_post2020	AC_Compressor	0.87
SATURATION	SDGE	New	Restaurant_post2020	Cook_top	0.75
SATURATION	SDGE	New	Restaurant_post2020	Cooking	0.00
SATURATION	SDGE	New	Restaurant_post2020	Drying	0.00
SATURATION	SDGE	New	Restaurant_post2020	Engine	0.00
SATURATION	SDGE	New	Restaurant_post2020	Fryer	0.73
SATURATION	SDGE	New	Restaurant_post2020	Griddle	0.57
SATURATION	SDGE	New	Restaurant_post2020	Other	1.00
SATURATION	SDGE	New	Restaurant_post2020	Other_Cooking	0.90
SATURATION	SDGE	New	Restaurant_post2020	Space_Heat	0.82
SATURATION	SDGE	New	Restaurant_post2020	Water_Heat	0.96
SATURATION	SDGE	New	Restaurant_pre2021	AC_Compressor	0.87
SATURATION	SDGE	New	Restaurant_pre2021	Cook_top	0.75
SATURATION	SDGE	New	Restaurant_pre2021	Cooking	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Drying	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Engine	0.00
SATURATION	SDGE	New	Restaurant_pre2021	Fryer	0.73
SATURATION	SDGE	New	Restaurant_pre2021	Griddle	0.57
SATURATION	SDGE	New	Restaurant_pre2021	Other	1.00
SATURATION	SDGE	New	Restaurant_pre2021	Other_Cooking	0.90
SATURATION	SDGE	New	Restaurant_pre2021	Space_Heat	0.82

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	Restaurant_pre2021	Water_Heat	0.96
SATURATION	SDGE	New	Retail_post2020	AC_Compressor	0.00
SATURATION	SDGE	New	Retail_post2020	Cook_top	0.00
SATURATION	SDGE	New	Retail_post2020	Cooking	0.25
SATURATION	SDGE	New	Retail_post2020	Drying	0.00
SATURATION	SDGE	New	Retail_post2020	Engine	0.00
SATURATION	SDGE	New	Retail_post2020	Fryer	0.00
SATURATION	SDGE	New	Retail_post2020	Griddle	0.00
SATURATION	SDGE	New	Retail_post2020	Other	1.00
SATURATION	SDGE	New	Retail_post2020	Other_Cooking	0.00
SATURATION	SDGE	New	Retail_post2020	Space_Heat	0.77
SATURATION	SDGE	New	Retail_post2020	Water_Heat	0.62
SATURATION	SDGE	New	Retail_pre2021	AC_Compressor	0.00
SATURATION	SDGE	New	Retail_pre2021	Cook_top	0.00
SATURATION	SDGE	New	Retail_pre2021	Cooking	0.25
SATURATION	SDGE	New	Retail_pre2021	Drying	0.00
SATURATION	SDGE	New	Retail_pre2021	Engine	0.00
SATURATION	SDGE	New	Retail_pre2021	Fryer	0.00
SATURATION	SDGE	New	Retail_pre2021	Griddle	0.00
SATURATION	SDGE	New	Retail_pre2021	Other	1.00
SATURATION	SDGE	New	Retail_pre2021	Other_Cooking	0.00
SATURATION	SDGE	New	Retail_pre2021	Space_Heat	0.77
SATURATION	SDGE	New	Retail_pre2021	Water_Heat	0.62
SATURATION	SDGE	New	EDUCATION_post2020	AC_Compressor	0.89
SATURATION	SDGE	New	EDUCATION_post2020	Cook_top	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Cooking	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Drying	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Engine	0.00
SATURATION	SDGE	New	EDUCATION_post2020	Fryer	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Griddle	0.15
SATURATION	SDGE	New	EDUCATION_post2020	Other	1.00
SATURATION	SDGE	New	EDUCATION_post2020	Other_Cooking	0.15

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' Headers	Region	Existing/ New	Segment ID	End Use	2040
SATURATION	SDGE	New	EDUCATION_post2020	Space_Heat	0.79
SATURATION	SDGE	New	EDUCATION_post2020	Water_Heat	0.95
SATURATION	SDGE	New	EDUCATION_pre2021	AC_Compressor	0.89
SATURATION	SDGE	New	EDUCATION_pre2021	Cook_top	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Cooking	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Drying	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Engine	0.00
SATURATION	SDGE	New	EDUCATION_pre2021	Fryer	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Griddle	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Other	1.00
SATURATION	SDGE	New	EDUCATION_pre2021	Other_Cooking	0.15
SATURATION	SDGE	New	EDUCATION_pre2021	Space_Heat	0.91
SATURATION	SDGE	New	EDUCATION_pre2021	Water_Heat	0.92

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.94
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.56
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.66
SHARE	SDGE	NG	Ex	Health_post2020	AC_Compressor	0.06	0.07	0.07	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Health_post2020	Cook_top	0.10	0.11	0.12	0.12	0.12	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Drying	0.64	0.70	0.75	0.77	0.79	0.80	0.80
SHARE	SDGE	NG	Ex	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Fryer	0.10	0.11	0.12	0.12	0.12	0.13	0.13

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Health_post2020	Griddle	0.10	0.11	0.12	0.12	0.12	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Other	0.95	0.95	0.95	0.95	0.91	0.95	0.93
SHARE	SDGE	NG	Ex	Health_post2020	Other_Cooking	0.70	0.77	0.82	0.85	0.87	0.88	0.88
SHARE	SDGE	NG	Ex	Health_post2020	Space_Heat	0.68	0.74	0.77	0.80	0.81	0.82	0.83
SHARE	SDGE	NG	Ex	Health_post2020	Water_Heat	0.86	0.93	0.95	0.95	0.87	0.92	0.88
SHARE	SDGE	NG	Ex	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Fryer	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Griddle	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Health_pre2021	Space_Heat	0.66	0.66	0.66	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	Health_pre2021	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Drying	0.66	0.71	0.74	0.77	0.79	0.80	0.80
SHARE	SDGE	NG	Ex	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Space_Heat	0.59	0.64	0.66	0.69	0.70	0.71	0.71
SHARE	SDGE	NG	Ex	Laundry_post2020	Water_Heat	0.71	0.76	0.80	0.82	0.84	0.85	0.86
SHARE	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	0.58	0.58	0.58	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	0.68	0.68	0.68	0.68	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Lodging_post2020	Cook_top	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	Ex	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Drying	0.66	0.68	0.69	0.69	0.70	0.71	0.72
SHARE	SDGE	NG	Ex	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Fryer	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	Ex	Lodging_post2020	Griddle	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	Ex	Lodging_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	Ex	Lodging_post2020	Space_Heat	0.28	0.28	0.29	0.29	0.29	0.30	0.30
SHARE	SDGE	NG	Ex	Lodging_post2020	Water_Heat	0.91	0.90	0.90	0.91	0.90	0.90	0.91
SHARE	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	Ex	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	0.28	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	0.95	0.95	0.95	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Misc_post2020	Cook_top	0.94	0.95	0.94	0.95	0.95	0.94	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Engine	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Misc_post2020	Fryer	0.92	0.93	0.93	0.93	0.93	0.93	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	Griddle	0.94	0.95	0.94	0.95	0.95	0.94	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Other	0.28	0.35	0.39	0.40	0.40	0.40	0.42
SHARE	SDGE	NG	Ex	Misc_post2020	Other_Cooking	0.70	0.74	0.77	0.79	0.80	0.80	0.82
SHARE	SDGE	NG	Ex	Misc_post2020	Space_Heat	0.60	0.62	0.63	0.63	0.63	0.63	0.64
SHARE	SDGE	NG	Ex	Misc_post2020	Water_Heat	0.53	0.54	0.54	0.53	0.53	0.53	0.53
SHARE	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Other	0.37	0.37	0.37	0.37	0.37	0.37	0.37
SHARE	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Misc_pre2021	Space_Heat	0.59	0.59	0.58	0.58	0.58	0.58	0.58
SHARE	SDGE	NG	Ex	Misc_pre2021	Water_Heat	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	SDGE	NG	Ex	Office_post2020	AC_Compressor	0.07	0.07	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Cooking	0.02	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	Ex	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	Office_post2020	Water_Heat	0.18	0.19	0.20	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	Ex	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	Ex	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Space_Heat	0.86	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	Office_pre2021	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.16
SHARE	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	0.75	0.77	0.78	0.78	0.79	0.80	0.81
SHARE	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	0.62	0.63	0.64	0.65	0.65	0.66	0.67
SHARE	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06

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SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	0.62	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.93
SHARE	SDGE	NG	Ex	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cooking	0.06	0.04	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	Ex	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Other	0.61	0.39	0.20	0.20	0.18	0.17	0.18
SHARE	SDGE	NG	Ex	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Space_Heat	0.32	0.20	0.10	0.10	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Retail_post2020	Water_Heat	0.19	0.12	0.06	0.06	0.05	0.05	0.06
SHARE	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2023	2024	2025	2026	2027	2028	2029
SHARE	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Space_Heat	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	SDGE	NG	Ex	Retail_pre2021	Water_Heat	0.31	0.30	0.31	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	0.06	0.07	0.07	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Fryer	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Griddle	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other	0.38	0.30	0.24	0.21	0.19	0.18	0.17
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	0.53	0.52	0.51	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	0.83	0.88	0.90	0.87	0.87	0.89	0.86
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.64	0.64
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	SDGE	NG	New	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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SHARE	SDGE	NG	New	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	New	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.94
SHARE	SDGE	NG	New	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.56
SHARE	SDGE	NG	New	Agriculture_pre2021	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.66
SHARE	SDGE	NG	New	Health_post2020	AC_Compressor	0.06	0.07	0.07	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Health_post2020	Cook_top	0.10	0.11	0.12	0.12	0.12	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Drying	0.64	0.70	0.75	0.77	0.79	0.80	0.80
SHARE	SDGE	NG	New	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Fryer	0.10	0.11	0.12	0.12	0.12	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Griddle	0.10	0.11	0.12	0.12	0.12	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Other	0.95	0.95	0.95	0.95	0.91	0.95	0.93
SHARE	SDGE	NG	New	Health_post2020	Other_Cooking	0.70	0.77	0.82	0.85	0.87	0.88	0.88
SHARE	SDGE	NG	New	Health_post2020	Space_Heat	0.68	0.74	0.77	0.80	0.81	0.82	0.83
SHARE	SDGE	NG	New	Health_post2020	Water_Heat	0.86	0.93	0.95	0.95	0.87	0.92	0.88

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SHARE	SDGE	NG	New	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Fryer	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Griddle	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Health_pre2021	Space_Heat	0.66	0.66	0.66	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	Health_pre2021	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	New	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Drying	0.66	0.71	0.74	0.77	0.79	0.80	0.80
SHARE	SDGE	NG	New	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Space_Heat	0.59	0.64	0.66	0.69	0.70	0.71	0.71
SHARE	SDGE	NG	New	Laundry_post2020	Water_Heat	0.71	0.76	0.80	0.82	0.84	0.85	0.86
SHARE	SDGE	NG	New	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	New	Laundry_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Space_Heat	0.58	0.58	0.58	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	New	Laundry_pre2021	Water_Heat	0.68	0.68	0.68	0.68	0.67	0.67	0.67
SHARE	SDGE	NG	New	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Lodging_post2020	Cook_top	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	New	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Drying	0.66	0.68	0.69	0.69	0.70	0.71	0.72
SHARE	SDGE	NG	New	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Fryer	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	New	Lodging_post2020	Griddle	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	New	Lodging_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Other_Cooking	0.50	0.51	0.52	0.52	0.53	0.54	0.54
SHARE	SDGE	NG	New	Lodging_post2020	Space_Heat	0.28	0.28	0.29	0.29	0.29	0.30	0.30
SHARE	SDGE	NG	New	Lodging_post2020	Water_Heat	0.91	0.90	0.90	0.91	0.90	0.90	0.91
SHARE	SDGE	NG	New	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	New	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Space_Heat	0.28	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	New	Lodging_pre2021	Water_Heat	0.95	0.95	0.95	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	Misc_post2020	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Misc_post2020	Cook_top	0.94	0.95	0.94	0.95	0.95	0.94	0.95
SHARE	SDGE	NG	New	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	New	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_post2020	Engine	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Misc_post2020	Fryer	0.92	0.93	0.93	0.93	0.93	0.93	0.94
SHARE	SDGE	NG	New	Misc_post2020	Griddle	0.94	0.95	0.94	0.95	0.95	0.94	0.95
SHARE	SDGE	NG	New	Misc_post2020	Other	0.28	0.35	0.39	0.40	0.40	0.40	0.42
SHARE	SDGE	NG	New	Misc_post2020	Other_Cooking	0.70	0.74	0.77	0.79	0.80	0.80	0.82
SHARE	SDGE	NG	New	Misc_post2020	Space_Heat	0.60	0.62	0.63	0.63	0.63	0.63	0.64
SHARE	SDGE	NG	New	Misc_post2020	Water_Heat	0.53	0.54	0.54	0.53	0.53	0.53	0.53
SHARE	SDGE	NG	New	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	New	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Other	0.37	0.37	0.37	0.37	0.37	0.37	0.37
SHARE	SDGE	NG	New	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Misc_pre2021	Space_Heat	0.59	0.59	0.58	0.58	0.58	0.58	0.58
SHARE	SDGE	NG	New	Misc_pre2021	Water_Heat	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	SDGE	NG	New	Office_post2020	AC_Compressor	0.07	0.07	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Cooking	0.02	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	New	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88	0.88	0.88	0.88

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SHARE	SDGE	NG	New	Office_post2020	Water_Heat	0.18	0.19	0.20	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	New	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	New	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Space_Heat	0.86	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	Office_pre2021	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.16
SHARE	SDGE	NG	New	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Other_Cooking	0.75	0.77	0.78	0.78	0.79	0.80	0.81
SHARE	SDGE	NG	New	Restaurant_post2020	Space_Heat	0.62	0.63	0.64	0.65	0.65	0.66	0.67
SHARE	SDGE	NG	New	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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SHARE	SDGE	NG	New	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	New	Restaurant_pre2021	Space_Heat	0.62	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	New	Restaurant_pre2021	Water_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.93
SHARE	SDGE	NG	New	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cooking	0.06	0.04	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	New	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Other	0.61	0.39	0.20	0.20	0.18	0.17	0.18
SHARE	SDGE	NG	New	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Space_Heat	0.32	0.20	0.10	0.10	0.09	0.09	0.09
SHARE	SDGE	NG	New	Retail_post2020	Water_Heat	0.19	0.12	0.06	0.06	0.05	0.05	0.06
SHARE	SDGE	NG	New	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Space_Heat	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	SDGE	NG	New	Retail_pre2021	Water_Heat	0.31	0.30	0.31	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	0.06	0.07	0.07	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	EDUCATION_post2020	Cook_top	0.20	0.18	0.16	0.15	0.14	0.13	0.13

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SHARE	SDGE	NG	New	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Fryer	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	New	EDUCATION_post2020	Griddle	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	New	EDUCATION_post2020	Other	0.38	0.30	0.24	0.21	0.19	0.18	0.17
SHARE	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	0.20	0.18	0.16	0.15	0.14	0.13	0.13
SHARE	SDGE	NG	New	EDUCATION_post2020	Space_Heat	0.53	0.52	0.51	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	EDUCATION_post2020	Water_Heat	0.83	0.88	0.90	0.87	0.87	0.89	0.86
SHARE	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.64	0.64
SHARE	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	0.57	0.57	0.57	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Health_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Health_post2020	Cook_top	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Drying	0.82	0.82	0.83	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Fryer	0.13	0.13	0.13	0.13	0.13	0.13	0.13

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	Ex	Health_post2020	Griddle	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Other	0.95	0.95	0.91	0.94	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Health_post2020	Other_Cooking	0.90	0.91	0.91	0.92	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Health_post2020	Space_Heat	0.84	0.85	0.84	0.86	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	Health_post2020	Water_Heat	0.90	0.92	0.86	0.90	0.87	0.87	0.87
SHARE	SDGE	NG	Ex	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Fryer	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Griddle	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Health_pre2021	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	Health_pre2021	Water_Heat	0.82	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Drying	0.81	0.81	0.81	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	Laundry_post2020	Water_Heat	0.86	0.87	0.87	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	Ex	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Lodging_post2020	Cook_top	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Drying	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Fryer	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Griddle	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Space_Heat	0.30	0.30	0.31	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	Ex	Lodging_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	Ex	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46

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SHARE	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	AC_Compressor	0.06	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Misc_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Engine	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Misc_post2020	Fryer	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Other	0.42	0.42	0.42	0.43	0.43	0.44	0.44
SHARE	SDGE	NG	Ex	Misc_post2020	Other_Cooking	0.82	0.83	0.84	0.84	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	Misc_post2020	Space_Heat	0.64	0.64	0.64	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	Misc_post2020	Water_Heat	0.53	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Engine	0.06	0.06	0.06	0.06	0.05	0.05	0.05
SHARE	SDGE	NG	Ex	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Other	0.37	0.37	0.37	0.37	0.31	0.30	0.30
SHARE	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Misc_pre2021	Space_Heat	0.58	0.58	0.58	0.58	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Misc_pre2021	Water_Heat	0.51	0.51	0.50	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	Office_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	Ex	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	Ex	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	Office_post2020	Water_Heat	0.21	0.21	0.21	0.22	0.22	0.22	0.22
SHARE	SDGE	NG	Ex	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	Ex	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Space_Heat	0.85	0.84	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	Office_pre2021	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	0.61	0.61	0.61	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cooking	0.02	0.04	0.05	0.06	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Other	0.27	0.40	0.55	0.65	0.74	0.74	0.74
SHARE	SDGE	NG	Ex	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Space_Heat	0.13	0.19	0.25	0.29	0.33	0.33	0.33
SHARE	SDGE	NG	Ex	Retail_post2020	Water_Heat	0.08	0.12	0.16	0.19	0.21	0.21	0.21
SHARE	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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SHARE	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Space_Heat	0.51	0.51	0.51	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	Retail_pre2021	Water_Heat	0.31	0.31	0.30	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Fryer	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Griddle	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other	0.15	0.14	0.13	0.13	0.12	0.12	0.12
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	0.89	0.89	0.87	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	0.06	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	0.64	0.64	0.64	0.64	0.64	0.64	0.64
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	0.77	0.77	0.77	0.77	0.76	0.76	0.76
SHARE	SDGE	NG	New	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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SHARE	SDGE	NG	New	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Space_Heat	0.57	0.57	0.57	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	New	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	New	Agriculture_pre2021	Water_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Health_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Health_post2020	Cook_top	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Drying	0.82	0.82	0.83	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	Health_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Fryer	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Griddle	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Other	0.95	0.95	0.91	0.94	0.91	0.91	0.91
SHARE	SDGE	NG	New	Health_post2020	Other_Cooking	0.90	0.91	0.91	0.92	0.91	0.91	0.91
SHARE	SDGE	NG	New	Health_post2020	Space_Heat	0.84	0.85	0.84	0.86	0.85	0.85	0.85
SHARE	SDGE	NG	New	Health_post2020	Water_Heat	0.90	0.92	0.86	0.90	0.87	0.87	0.87

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SHARE	SDGE	NG	New	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Health_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Fryer	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Griddle	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Health_pre2021	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	Health_pre2021	Water_Heat	0.82	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	SDGE	NG	New	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Drying	0.81	0.81	0.81	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	New	Laundry_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Space_Heat	0.72	0.72	0.72	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	Laundry_post2020	Water_Heat	0.86	0.87	0.87	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	New	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	New	Laundry_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	New	Laundry_pre2021	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	New	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Lodging_post2020	Cook_top	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Drying	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	Lodging_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Fryer	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Griddle	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Other_Cooking	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Space_Heat	0.30	0.30	0.31	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	New	Lodging_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	New	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	New	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	New	Lodging_pre2021	Water_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	Misc_post2020	AC_Compressor	0.06	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Misc_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	New	Misc_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_post2020	Engine	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Misc_post2020	Fryer	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	Misc_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_post2020	Other	0.42	0.42	0.42	0.43	0.43	0.44	0.44
SHARE	SDGE	NG	New	Misc_post2020	Other_Cooking	0.82	0.83	0.84	0.84	0.85	0.85	0.85
SHARE	SDGE	NG	New	Misc_post2020	Space_Heat	0.64	0.64	0.64	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	Misc_post2020	Water_Heat	0.53	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	SDGE	NG	New	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Engine	0.06	0.06	0.06	0.06	0.05	0.05	0.05
SHARE	SDGE	NG	New	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	New	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Other	0.37	0.37	0.37	0.37	0.31	0.30	0.30
SHARE	SDGE	NG	New	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Misc_pre2021	Space_Heat	0.58	0.58	0.58	0.58	0.57	0.57	0.57
SHARE	SDGE	NG	New	Misc_pre2021	Water_Heat	0.51	0.51	0.50	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	Office_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Office_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	New	Office_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88	0.88	0.88	0.88

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	New	Office_post2020	Water_Heat	0.21	0.21	0.21	0.22	0.22	0.22	0.22
SHARE	SDGE	NG	New	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	New	Office_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Space_Heat	0.85	0.84	0.84	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	Office_pre2021	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	SDGE	NG	New	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Other_Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	New	Restaurant_post2020	Space_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	New	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95	0.95	0.95	0.95

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SHARE	SDGE	NG	New	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	New	Restaurant_pre2021	Space_Heat	0.61	0.61	0.61	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Restaurant_pre2021	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cooking	0.02	0.04	0.05	0.06	0.07	0.07	0.07
SHARE	SDGE	NG	New	Retail_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Other	0.27	0.40	0.55	0.65	0.74	0.74	0.74
SHARE	SDGE	NG	New	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Space_Heat	0.13	0.19	0.25	0.29	0.33	0.33	0.33
SHARE	SDGE	NG	New	Retail_post2020	Water_Heat	0.08	0.12	0.16	0.19	0.21	0.21	0.21
SHARE	SDGE	NG	New	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Retail_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Space_Heat	0.51	0.51	0.51	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	Retail_pre2021	Water_Heat	0.31	0.31	0.30	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	EDUCATION_post2020	Cook_top	0.13	0.12	0.12	0.12	0.12	0.11	0.11

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2030	2031	2032	2033	2034	2035	2036
SHARE	SDGE	NG	New	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Fryer	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Griddle	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Other	0.15	0.14	0.13	0.13	0.12	0.12	0.12
SHARE	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	0.13	0.12	0.12	0.12	0.12	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Space_Heat	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	SDGE	NG	New	EDUCATION_post2020	Water_Heat	0.89	0.89	0.87	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	0.06	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	0.64	0.64	0.64	0.64	0.64	0.64	0.64
SHARE	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	0.77	0.77	0.77	0.77	0.76	0.76	0.76

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SHARE	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Health_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Health_post2020	Cook_top	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Drying	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	Health_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_post2020	Fryer	0.13	0.13	0.13	0.13

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Health_post2020	Griddle	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	Ex	Health_post2020	Other	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Health_post2020	Other_Cooking	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Health_post2020	Space_Heat	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	Health_post2020	Water_Heat	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	Ex	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Drying	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Health_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Health_pre2021	Fryer	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Griddle	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Health_pre2021	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Health_pre2021	Space_Heat	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	Health_pre2021	Water_Heat	0.81	0.81	0.81	0.81
SHARE	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Drying	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	Laundry_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_post2020	Space_Heat	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	Laundry_post2020	Water_Heat	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Lodging_post2020	Cook_top	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Drying	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	Ex	Lodging_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Fryer	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Griddle	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	Ex	Lodging_post2020	Space_Heat	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	Ex	Lodging_post2020	Water_Heat	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	Ex	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Misc_post2020	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_post2020	Engine	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Misc_post2020	Fryer	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	Ex	Misc_post2020	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_post2020	Other	0.44	0.44	0.44	0.44
SHARE	SDGE	NG	Ex	Misc_post2020	Other_Cooking	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	Ex	Misc_post2020	Space_Heat	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	Ex	Misc_post2020	Water_Heat	0.52	0.52	0.52	0.52
SHARE	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Misc_pre2021	Engine	0.05	0.05	0.05	0.05
SHARE	SDGE	NG	Ex	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	Ex	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Misc_pre2021	Other	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	Ex	Misc_pre2021	Space_Heat	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	Ex	Misc_pre2021	Water_Heat	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	Office_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	Office_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Cooking	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	Ex	Office_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Engine	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Office_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	Office_post2020	Water_Heat	0.22	0.22	0.22	0.22
SHARE	SDGE	NG	Ex	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	Ex	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Cooking	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	Ex	Office_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Office_pre2021	Space_Heat	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	Ex	Office_pre2021	Water_Heat	0.16	0.16	0.16	0.16
SHARE	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	Ex	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Cooking	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	Retail_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Other	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	Ex	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_post2020	Space_Heat	0.33	0.33	0.33	0.33
SHARE	SDGE	NG	Ex	Retail_post2020	Water_Heat	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	Ex	Retail_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Other	0.95	0.95	0.95	0.95

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	Retail_pre2021	Space_Heat	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	Ex	Retail_pre2021	Water_Heat	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Fryer	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Griddle	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other	0.12	0.12	0.12	0.12
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	0.49	0.49	0.49	0.49
SHARE	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	0.64	0.64	0.64	0.64
SHARE	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	0.76	0.76	0.76	0.76
SHARE	SDGE	NG	New	Agriculture_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Drying	0.95	0.95	0.95	0.95

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	Agriculture_post2020	Engine	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_post2020	Space_Heat	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	New	Agriculture_post2020	Water_Heat	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Drying	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Agriculture_pre2021	Engine	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Agriculture_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Agriculture_pre2021	Space_Heat	0.56	0.56	0.56	0.56
SHARE	SDGE	NG	New	Agriculture_pre2021	Water_Heat	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Health_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Health_post2020	Cook_top	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Drying	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	Health_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_post2020	Fryer	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Griddle	0.13	0.13	0.13	0.13
SHARE	SDGE	NG	New	Health_post2020	Other	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	New	Health_post2020	Other_Cooking	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	New	Health_post2020	Space_Heat	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	Health_post2020	Water_Heat	0.87	0.87	0.87	0.87

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	Health_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Health_pre2021	Cook_top	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Drying	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Health_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Health_pre2021	Fryer	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Griddle	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Health_pre2021	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Health_pre2021	Other_Cooking	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Health_pre2021	Space_Heat	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	Health_pre2021	Water_Heat	0.81	0.81	0.81	0.81
SHARE	SDGE	NG	New	Laundry_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Drying	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	New	Laundry_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_post2020	Space_Heat	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	Laundry_post2020	Water_Heat	0.87	0.87	0.87	0.87
SHARE	SDGE	NG	New	Laundry_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Drying	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Laundry_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Griddle	0.00	0.00	0.00	0.00

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SHARE	SDGE	NG	New	Laundry_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Laundry_pre2021	Space_Heat	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	New	Laundry_pre2021	Water_Heat	0.67	0.67	0.67	0.67
SHARE	SDGE	NG	New	Lodging_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Lodging_post2020	Cook_top	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Drying	0.73	0.73	0.73	0.73
SHARE	SDGE	NG	New	Lodging_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Fryer	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Griddle	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_post2020	Other_Cooking	0.55	0.55	0.55	0.55
SHARE	SDGE	NG	New	Lodging_post2020	Space_Heat	0.31	0.31	0.31	0.31
SHARE	SDGE	NG	New	Lodging_post2020	Water_Heat	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	New	Lodging_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Lodging_pre2021	Cook_top	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Drying	0.61	0.61	0.61	0.61
SHARE	SDGE	NG	New	Lodging_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Fryer	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Griddle	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Lodging_pre2021	Other_Cooking	0.46	0.46	0.46	0.46
SHARE	SDGE	NG	New	Lodging_pre2021	Space_Heat	0.27	0.27	0.27	0.27
SHARE	SDGE	NG	New	Lodging_pre2021	Water_Heat	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	Misc_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Misc_post2020	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_post2020	Cooking	0.00	0.00	0.00	0.00

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	Misc_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_post2020	Engine	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Misc_post2020	Fryer	0.94	0.94	0.94	0.94
SHARE	SDGE	NG	New	Misc_post2020	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_post2020	Other	0.44	0.44	0.44	0.44
SHARE	SDGE	NG	New	Misc_post2020	Other_Cooking	0.85	0.85	0.85	0.85
SHARE	SDGE	NG	New	Misc_post2020	Space_Heat	0.65	0.65	0.65	0.65
SHARE	SDGE	NG	New	Misc_post2020	Water_Heat	0.52	0.52	0.52	0.52
SHARE	SDGE	NG	New	Misc_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Misc_pre2021	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Misc_pre2021	Engine	0.05	0.05	0.05	0.05
SHARE	SDGE	NG	New	Misc_pre2021	Fryer	0.91	0.91	0.91	0.91
SHARE	SDGE	NG	New	Misc_pre2021	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Misc_pre2021	Other	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	New	Misc_pre2021	Other_Cooking	0.66	0.66	0.66	0.66
SHARE	SDGE	NG	New	Misc_pre2021	Space_Heat	0.57	0.57	0.57	0.57
SHARE	SDGE	NG	New	Misc_pre2021	Water_Heat	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	Office_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	Office_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Cooking	0.03	0.03	0.03	0.03
SHARE	SDGE	NG	New	Office_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_post2020	Space_Heat	0.88	0.88	0.88	0.88

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	Office_post2020	Water_Heat	0.22	0.22	0.22	0.22
SHARE	SDGE	NG	New	Office_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Office_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Cooking	0.02	0.02	0.02	0.02
SHARE	SDGE	NG	New	Office_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Office_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Office_pre2021	Space_Heat	0.84	0.84	0.84	0.84
SHARE	SDGE	NG	New	Office_pre2021	Water_Heat	0.16	0.16	0.16	0.16
SHARE	SDGE	NG	New	Restaurant_post2020	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Restaurant_post2020	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Fryer	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_post2020	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_post2020	Other_Cooking	0.82	0.82	0.82	0.82
SHARE	SDGE	NG	New	Restaurant_post2020	Space_Heat	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	New	Restaurant_post2020	Water_Heat	0.90	0.90	0.90	0.90
SHARE	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	0.06	0.06	0.06	0.06
SHARE	SDGE	NG	New	Restaurant_pre2021	Cook_top	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Fryer	0.95	0.95	0.95	0.95

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	Restaurant_pre2021	Griddle	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Restaurant_pre2021	Other	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	0.69	0.69	0.69	0.69
SHARE	SDGE	NG	New	Restaurant_pre2021	Space_Heat	0.60	0.60	0.60	0.60
SHARE	SDGE	NG	New	Restaurant_pre2021	Water_Heat	0.93	0.93	0.93	0.93
SHARE	SDGE	NG	New	Retail_post2020	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Cooking	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	Retail_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Other	0.74	0.74	0.74	0.74
SHARE	SDGE	NG	New	Retail_post2020	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_post2020	Space_Heat	0.33	0.33	0.33	0.33
SHARE	SDGE	NG	New	Retail_post2020	Water_Heat	0.21	0.21	0.21	0.21
SHARE	SDGE	NG	New	Retail_pre2021	AC_Compressor	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cook_top	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Cooking	0.09	0.09	0.09	0.09
SHARE	SDGE	NG	New	Retail_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Fryer	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Griddle	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Other	0.95	0.95	0.95	0.95
SHARE	SDGE	NG	New	Retail_pre2021	Other_Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	Retail_pre2021	Space_Heat	0.50	0.50	0.50	0.50
SHARE	SDGE	NG	New	Retail_pre2021	Water_Heat	0.30	0.30	0.30	0.30
SHARE	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	0.08	0.08	0.08	0.08
SHARE	SDGE	NG	New	EDUCATION_post2020	Cook_top	0.11	0.11	0.11	0.11

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Variable	Region	Fuel	Existing/ New	Segments	End Use	2037	2038	2039	2040
SHARE	SDGE	NG	New	EDUCATION_post2020	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_post2020	Fryer	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Griddle	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Other	0.12	0.12	0.12	0.12
SHARE	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	0.11	0.11	0.11	0.11
SHARE	SDGE	NG	New	EDUCATION_post2020	Space_Heat	0.49	0.49	0.49	0.49
SHARE	SDGE	NG	New	EDUCATION_post2020	Water_Heat	0.88	0.88	0.88	0.88
SHARE	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	0.07	0.07	0.07	0.07
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cook_top	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Cooking	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Drying	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Engine	0.00	0.00	0.00	0.00
SHARE	SDGE	NG	New	EDUCATION_pre2021	Fryer	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Griddle	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other	0.68	0.68	0.68	0.68
SHARE	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	0.32	0.32	0.32	0.32
SHARE	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	0.64	0.64	0.64	0.64
SHARE	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	0.76	0.76	0.76	0.76

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Drying	10,951.05	11,181.06	11,244.18	10,836.06	10,903.71	10,888.97
UEC	SDGE	NG	Ex	Agriculture_post2020	Engine	44,614.55	45,551.63	45,808.76	44,146.08	44,421.68	44,361.64
UEC	SDGE	NG	Ex	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	7,547.12	7,705.64	7,749.14	7,467.88	7,514.50	7,504.34
UEC	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	9,964.80	10,174.10	10,231.53	9,860.17	9,921.72	9,908.31
UEC	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Drying	10,925.16	11,154.63	11,217.59	10,810.44	10,877.93	10,863.22
UEC	SDGE	NG	Ex	Agriculture_pre2021	Engine	44,614.55	45,551.63	45,808.76	44,146.08	44,421.68	44,361.64
UEC	SDGE	NG	Ex	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	7,547.12	7,705.64	7,749.14	7,467.88	7,514.50	7,504.34
UEC	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	9,964.80	10,174.10	10,231.53	9,860.17	9,921.72	9,908.31
UEC	SDGE	NG	Ex	Health_post2020	AC_Compressor	4,287.11	4,334.36	4,347.20	4,264.40	4,278.37	4,275.33
UEC	SDGE	NG	Ex	Health_post2020	Cook_top	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	Ex	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Drying	5,496.58	5,557.16	5,573.63	5,467.46	5,485.37	5,481.48
UEC	SDGE	NG	Ex	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Fryer	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	Ex	Health_post2020	Griddle	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	Health_post2020	Other	855.58	865.01	867.57	851.05	853.84	853.23
UEC	SDGE	NG	Ex	Health_post2020	Other_Cooking	992.47	1,003.41	1,006.38	987.21	990.45	989.74
UEC	SDGE	NG	Ex	Health_post2020	Space_Heat	2,582.68	2,611.15	2,618.88	2,569.00	2,577.41	2,575.58
UEC	SDGE	NG	Ex	Health_post2020	Water_Heat	15,077.93	15,244.13	15,289.29	14,998.05	15,047.19	15,036.52
UEC	SDGE	NG	Ex	Health_pre2021	AC_Compressor	4,287.11	4,334.36	4,347.20	4,264.40	4,278.37	4,275.33
UEC	SDGE	NG	Ex	Health_pre2021	Cook_top	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	Ex	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Drying	5,496.58	5,557.16	5,573.63	5,467.46	5,485.37	5,481.48
UEC	SDGE	NG	Ex	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Fryer	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	Ex	Health_pre2021	Griddle	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	Ex	Health_pre2021	Other	795.40	804.17	806.55	791.19	793.78	793.22
UEC	SDGE	NG	Ex	Health_pre2021	Other_Cooking	992.47	1,003.41	1,006.38	987.21	990.45	989.74
UEC	SDGE	NG	Ex	Health_pre2021	Space_Heat	2,582.68	2,611.15	2,618.88	2,569.00	2,577.41	2,575.58
UEC	SDGE	NG	Ex	Health_pre2021	Water_Heat	15,077.93	15,244.13	15,289.29	14,998.05	15,047.19	15,036.52
UEC	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Drying	17,700.63	17,731.60	17,739.93	17,686.31	17,695.50	17,693.51
UEC	SDGE	NG	Ex	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Space_Heat	173.32	173.62	173.71	173.18	173.27	173.25
UEC	SDGE	NG	Ex	Laundry_post2020	Water_Heat	3,140.68	3,146.17	3,147.65	3,138.13	3,139.77	3,139.41
UEC	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Drying	17,700.63	17,731.60	17,739.93	17,686.31	17,695.50	17,693.51

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UEC	SDGE	NG	Ex	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	173.32	173.62	173.71	173.18	173.27	173.25
UEC	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	3,140.68	3,146.17	3,147.65	3,138.13	3,139.77	3,139.41
UEC	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	1,115.27	1,129.80	1,133.76	1,108.23	1,112.52	1,111.59
UEC	SDGE	NG	Ex	Lodging_post2020	Cook_top	6,298.79	6,380.88	6,403.23	6,259.02	6,283.27	6,278.00
UEC	SDGE	NG	Ex	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Drying	3,381.01	3,425.08	3,437.07	3,359.67	3,372.68	3,369.85
UEC	SDGE	NG	Ex	Lodging_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Fryer	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	Ex	Lodging_post2020	Griddle	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	Ex	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	810.55	821.11	823.99	805.43	808.55	807.87
UEC	SDGE	NG	Ex	Lodging_post2020	Space_Heat	7,548.31	7,646.68	7,673.46	7,500.65	7,529.70	7,523.39
UEC	SDGE	NG	Ex	Lodging_post2020	Water_Heat	14,925.28	15,119.79	15,172.75	14,831.04	14,888.49	14,876.00
UEC	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	1,115.27	1,129.80	1,133.76	1,108.23	1,112.52	1,111.59
UEC	SDGE	NG	Ex	Lodging_pre2021	Cook_top	6,298.79	6,380.88	6,403.23	6,259.02	6,283.27	6,278.00
UEC	SDGE	NG	Ex	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Drying	3,381.01	3,425.08	3,437.07	3,359.67	3,372.68	3,369.85
UEC	SDGE	NG	Ex	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Fryer	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	Ex	Lodging_pre2021	Griddle	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	Ex	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	810.55	821.11	823.99	805.43	808.55	807.87
UEC	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	7,548.31	7,646.68	7,673.46	7,500.65	7,529.70	7,523.39
UEC	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	13,772.94	13,952.44	14,001.30	13,685.98	13,739.00	13,727.47
UEC	SDGE	NG	Ex	Misc_post2020	AC_Compressor	4,000.66	4,073.87	4,093.91	3,964.45	3,986.01	3,981.32

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	Misc_post2020	Cook_top	2,624.74	2,672.77	2,685.91	2,600.98	2,615.13	2,612.05
UEC	SDGE	NG	Ex	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Engine	79,688.49	81,146.71	81,545.78	78,967.15	79,396.66	79,303.15
UEC	SDGE	NG	Ex	Misc_post2020	Fryer	1,291.35	1,314.98	1,321.45	1,279.66	1,286.62	1,285.11
UEC	SDGE	NG	Ex	Misc_post2020	Griddle	1,759.76	1,791.96	1,800.77	1,743.83	1,753.32	1,751.25
UEC	SDGE	NG	Ex	Misc_post2020	Other	273.84	278.85	280.23	271.36	272.84	272.52
UEC	SDGE	NG	Ex	Misc_post2020	Other_Cooking	1,232.08	1,254.62	1,260.79	1,220.93	1,227.57	1,226.12
UEC	SDGE	NG	Ex	Misc_post2020	Space_Heat	4,268.79	4,346.90	4,368.28	4,230.14	4,253.15	4,248.14
UEC	SDGE	NG	Ex	Misc_post2020	Water_Heat	3,452.83	3,516.01	3,533.30	3,421.57	3,440.18	3,436.13
UEC	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	3,127.25	3,184.47	3,200.13	3,098.94	3,115.80	3,112.13
UEC	SDGE	NG	Ex	Misc_pre2021	Cook_top	1,752.53	1,784.60	1,793.38	1,736.67	1,746.12	1,744.06
UEC	SDGE	NG	Ex	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Engine	79,927.18	81,389.76	81,790.02	79,203.67	79,634.47	79,540.68
UEC	SDGE	NG	Ex	Misc_pre2021	Fryer	1,691.08	1,722.02	1,730.49	1,675.77	1,684.88	1,682.90
UEC	SDGE	NG	Ex	Misc_pre2021	Griddle	1,735.70	1,767.46	1,776.15	1,719.99	1,729.34	1,727.31
UEC	SDGE	NG	Ex	Misc_pre2021	Other	217.52	221.50	222.59	215.55	216.72	216.47
UEC	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	1,694.71	1,725.72	1,734.21	1,679.37	1,688.50	1,686.51
UEC	SDGE	NG	Ex	Misc_pre2021	Space_Heat	5,862.42	5,969.70	5,999.06	5,809.35	5,840.95	5,834.07
UEC	SDGE	NG	Ex	Misc_pre2021	Water_Heat	3,548.29	3,613.22	3,630.99	3,516.18	3,535.30	3,531.14
UEC	SDGE	NG	Ex	Office_post2020	AC_Compressor	2,328.80	2,393.24	2,411.04	2,295.74	2,314.63	2,310.50
UEC	SDGE	NG	Ex	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Cooking	770.01	791.32	797.21	759.08	765.33	763.96
UEC	SDGE	NG	Ex	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Other	199.32	204.83	206.36	196.49	198.11	197.75
UEC	SDGE	NG	Ex	Office_post2020	Other_Cooking	-	-	-	-	-	-

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Variable	Region	Fuel	Existing/Not	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	Office_post2020	Space_Heat	6,963.13	7,155.82	7,209.04	6,864.30	6,920.76	6,908.43
UEC	SDGE	NG	Ex	Office_post2020	Water_Heat	1,015.94	1,044.05	1,051.81	1,001.52	1,009.75	1,007.96
UEC	SDGE	NG	Ex	Office_pre2021	AC_Compressor	2,328.80	2,393.24	2,411.04	2,295.74	2,314.63	2,310.50
UEC	SDGE	NG	Ex	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Cooking	770.01	791.32	797.21	759.08	765.33	763.96
UEC	SDGE	NG	Ex	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Other	175.26	180.11	181.45	172.77	174.19	173.88
UEC	SDGE	NG	Ex	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Space_Heat	6,767.55	6,954.83	7,006.55	6,671.49	6,726.37	6,714.39
UEC	SDGE	NG	Ex	Office_pre2021	Water_Heat	1,015.94	1,044.05	1,051.81	1,001.52	1,009.75	1,007.96
UEC	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	311.23	313.07	313.56	310.37	310.91	310.79
UEC	SDGE	NG	Ex	Restaurant_post2020	Cook_top	2,146.27	2,158.92	2,162.34	2,140.32	2,144.07	2,143.25
UEC	SDGE	NG	Ex	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Fryer	1,790.12	1,800.66	1,803.52	1,785.15	1,788.28	1,787.60
UEC	SDGE	NG	Ex	Restaurant_post2020	Griddle	1,618.93	1,628.47	1,631.05	1,614.44	1,617.27	1,616.65
UEC	SDGE	NG	Ex	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	1,486.61	1,495.37	1,497.73	1,482.48	1,485.08	1,484.52
UEC	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	180.77	181.83	182.12	180.26	180.58	180.51
UEC	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	1,374.48	1,382.58	1,384.77	1,370.67	1,373.07	1,372.55
UEC	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	311.23	313.07	313.56	310.37	310.91	310.79
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	1,974.09	1,985.72	1,988.87	1,968.62	1,972.06	1,971.32
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Fryer	1,651.94	1,661.67	1,664.30	1,647.36	1,650.24	1,649.62

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Variable	Region	Fuel	Existing/Net	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	Restaurant_pre2021	Griddle	1,489.05	1,497.83	1,500.20	1,484.92	1,487.52	1,486.96
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	1,486.61	1,495.37	1,497.73	1,482.48	1,485.08	1,484.52
UEC	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	180.77	181.83	182.12	180.26	180.58	180.51
UEC	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	1,273.40	1,280.91	1,282.93	1,269.87	1,272.09	1,271.61
UEC	SDGE	NG	Ex	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cooking	9,682.16	9,725.27	9,736.91	9,661.99	9,674.77	9,672.00
UEC	SDGE	NG	Ex	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Other	102.95	103.41	103.53	102.73	102.87	102.84
UEC	SDGE	NG	Ex	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Space_Heat	7,682.14	7,716.35	7,725.58	7,666.13	7,676.28	7,674.08
UEC	SDGE	NG	Ex	Retail_post2020	Water_Heat	3,298.49	3,313.18	3,317.14	3,291.62	3,295.97	3,295.03
UEC	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cooking	9,682.16	9,725.27	9,736.91	9,661.99	9,674.77	9,672.00
UEC	SDGE	NG	Ex	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Other	106.61	107.09	107.22	106.39	106.53	106.50
UEC	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Space_Heat	7,682.14	7,716.35	7,725.58	7,666.13	7,676.28	7,674.08
UEC	SDGE	NG	Ex	Retail_pre2021	Water_Heat	3,298.49	3,313.18	3,317.14	3,291.62	3,295.97	3,295.03
UEC	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	5,525.54	5,683.73	5,727.46	5,444.11	5,490.44	5,480.32
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	1,539.63	1,583.71	1,595.89	1,516.94	1,529.85	1,527.03
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cooking	-	-	-	-	-	-

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Variable	Region	Fuel	Existing/New	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	Ex	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Fryer	1,541.04	1,585.15	1,597.35	1,518.33	1,531.25	1,528.43
UEC	SDGE	NG	Ex	EDUCATION_post2020	Griddle	1,541.04	1,585.15	1,597.35	1,518.33	1,531.25	1,528.43
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other	217.00	223.22	224.93	213.81	215.63	215.23
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	1,539.63	1,583.71	1,595.89	1,516.94	1,529.85	1,527.03
UEC	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	7,811.48	8,035.12	8,096.94	7,696.36	7,761.85	7,747.55
UEC	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	4,994.66	5,137.65	5,177.18	4,921.05	4,962.93	4,953.78
UEC	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	3,445.80	3,544.45	3,571.72	3,395.02	3,423.91	3,417.60
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	1,309.38	1,346.87	1,357.23	1,290.09	1,301.06	1,298.67
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	1,311.41	1,348.96	1,359.33	1,292.09	1,303.08	1,300.68
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	1,311.41	1,348.96	1,359.33	1,292.09	1,303.08	1,300.68
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other	217.00	223.22	224.93	213.81	215.63	215.23
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	1,309.38	1,346.87	1,357.23	1,290.09	1,301.06	1,298.67
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	4,265.54	4,387.66	4,421.42	4,202.68	4,238.44	4,230.63
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	7,862.78	8,087.88	8,150.11	7,746.90	7,812.82	7,798.43
UEC	SDGE	NG	New	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Drying	10,951.05	11,181.06	11,244.18	10,836.06	10,903.71	10,888.97
UEC	SDGE	NG	New	Agriculture_post2020	Engine	44,614.55	45,551.63	45,808.76	44,146.08	44,421.68	44,361.64
UEC	SDGE	NG	New	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Space_Heat	7,547.12	7,705.64	7,749.14	7,467.88	7,514.50	7,504.34
UEC	SDGE	NG	New	Agriculture_post2020	Water_Heat	9,964.80	10,174.10	10,231.53	9,860.17	9,921.72	9,908.31

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Variable	Region	Fuel	Existing/New	Segments	End Use	2023	2024	2025	2026	2027	2028
UEC	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Drying	10,925.16	11,154.63	11,217.59	10,810.44	10,877.93	10,863.22
UEC	SDGE	NG	New	Agriculture_pre2021	Engine	44,614.55	45,551.63	45,808.76	44,146.08	44,421.68	44,361.64
UEC	SDGE	NG	New	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Space_Heat	7,547.12	7,705.64	7,749.14	7,467.88	7,514.50	7,504.34
UEC	SDGE	NG	New	Agriculture_pre2021	Water_Heat	9,964.80	10,174.10	10,231.53	9,860.17	9,921.72	9,908.31
UEC	SDGE	NG	New	Health_post2020	AC_Compressor	4,287.11	4,334.36	4,347.20	4,264.40	4,278.37	4,275.33
UEC	SDGE	NG	New	Health_post2020	Cook_top	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Drying	5,496.58	5,557.16	5,573.63	5,467.46	5,485.37	5,481.48
UEC	SDGE	NG	New	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Fryer	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_post2020	Griddle	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_post2020	Other	855.58	865.01	867.57	851.05	853.84	853.23
UEC	SDGE	NG	New	Health_post2020	Other_Cooking	992.47	1,003.41	1,006.38	987.21	990.45	989.74
UEC	SDGE	NG	New	Health_post2020	Space_Heat	2,582.68	2,611.15	2,618.88	2,569.00	2,577.41	2,575.58
UEC	SDGE	NG	New	Health_post2020	Water_Heat	15,077.93	15,244.13	15,289.29	14,998.05	15,047.19	15,036.52
UEC	SDGE	NG	New	Health_pre2021	AC_Compressor	4,287.11	4,334.36	4,347.20	4,264.40	4,278.37	4,275.33
UEC	SDGE	NG	New	Health_pre2021	Cook_top	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Drying	5,496.58	5,557.16	5,573.63	5,467.46	5,485.37	5,481.48
UEC	SDGE	NG	New	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Fryer	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_pre2021	Griddle	9,924.86	10,034.27	10,063.99	9,872.29	9,904.63	9,897.61
UEC	SDGE	NG	New	Health_pre2021	Other	795.40	804.17	806.55	791.19	793.78	793.22

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UEC	SDGE	NG	New	Health_pre2021	Other_Cooking	992.47	1,003.41	1,006.38	987.21	990.45	989.74
UEC	SDGE	NG	New	Health_pre2021	Space_Heat	2,582.68	2,611.15	2,618.88	2,569.00	2,577.41	2,575.58
UEC	SDGE	NG	New	Health_pre2021	Water_Heat	15,077.93	15,244.13	15,289.29	14,998.05	15,047.19	15,036.52
UEC	SDGE	NG	New	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Drying	17,700.63	17,731.60	17,739.93	17,686.31	17,695.50	17,693.51
UEC	SDGE	NG	New	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Space_Heat	173.32	173.62	173.71	173.18	173.27	173.25
UEC	SDGE	NG	New	Laundry_post2020	Water_Heat	3,140.68	3,146.17	3,147.65	3,138.13	3,139.77	3,139.41
UEC	SDGE	NG	New	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Drying	17,700.63	17,731.60	17,739.93	17,686.31	17,695.50	17,693.51
UEC	SDGE	NG	New	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Space_Heat	173.32	173.62	173.71	173.18	173.27	173.25
UEC	SDGE	NG	New	Laundry_pre2021	Water_Heat	3,140.68	3,146.17	3,147.65	3,138.13	3,139.77	3,139.41
UEC	SDGE	NG	New	Lodging_post2020	AC_Compressor	1,115.27	1,129.80	1,133.76	1,108.23	1,112.52	1,111.59
UEC	SDGE	NG	New	Lodging_post2020	Cook_top	6,298.79	6,380.88	6,403.23	6,259.02	6,283.27	6,278.00
UEC	SDGE	NG	New	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Drying	3,381.01	3,425.08	3,437.07	3,359.67	3,372.68	3,369.85
UEC	SDGE	NG	New	Lodging_post2020	Engine	-	-	-	-	-	-

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UEC	SDGE	NG	New	Lodging_post2020	Fryer	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	New	Lodging_post2020	Griddle	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	New	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Other_Cooking	810.55	821.11	823.99	805.43	808.55	807.87
UEC	SDGE	NG	New	Lodging_post2020	Space_Heat	7,548.31	7,646.68	7,673.46	7,500.65	7,529.70	7,523.39
UEC	SDGE	NG	New	Lodging_post2020	Water_Heat	14,925.28	15,119.79	15,172.75	14,831.04	14,888.49	14,876.00
UEC	SDGE	NG	New	Lodging_pre2021	AC_Compressor	1,115.27	1,129.80	1,133.76	1,108.23	1,112.52	1,111.59
UEC	SDGE	NG	New	Lodging_pre2021	Cook_top	6,298.79	6,380.88	6,403.23	6,259.02	6,283.27	6,278.00
UEC	SDGE	NG	New	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Drying	3,381.01	3,425.08	3,437.07	3,359.67	3,372.68	3,369.85
UEC	SDGE	NG	New	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Fryer	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	New	Lodging_pre2021	Griddle	8,201.48	8,308.37	8,337.47	8,149.70	8,181.27	8,174.41
UEC	SDGE	NG	New	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Other_Cooking	810.55	821.11	823.99	805.43	808.55	807.87
UEC	SDGE	NG	New	Lodging_pre2021	Space_Heat	7,548.31	7,646.68	7,673.46	7,500.65	7,529.70	7,523.39
UEC	SDGE	NG	New	Lodging_pre2021	Water_Heat	13,772.94	13,952.44	14,001.30	13,685.98	13,739.00	13,727.47
UEC	SDGE	NG	New	Misc_post2020	AC_Compressor	4,000.66	4,073.87	4,093.91	3,964.45	3,986.01	3,981.32
UEC	SDGE	NG	New	Misc_post2020	Cook_top	2,624.74	2,672.77	2,685.91	2,600.98	2,615.13	2,612.05
UEC	SDGE	NG	New	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Engine	79,688.49	81,146.71	81,545.78	78,967.15	79,396.66	79,303.15
UEC	SDGE	NG	New	Misc_post2020	Fryer	1,291.35	1,314.98	1,321.45	1,279.66	1,286.62	1,285.11
UEC	SDGE	NG	New	Misc_post2020	Griddle	1,759.76	1,791.96	1,800.77	1,743.83	1,753.32	1,751.25
UEC	SDGE	NG	New	Misc_post2020	Other	273.84	278.85	280.23	271.36	272.84	272.52
UEC	SDGE	NG	New	Misc_post2020	Other_Cooking	1,232.08	1,254.62	1,260.79	1,220.93	1,227.57	1,226.12
UEC	SDGE	NG	New	Misc_post2020	Space_Heat	4,268.79	4,346.90	4,368.28	4,230.14	4,253.15	4,248.14
UEC	SDGE	NG	New	Misc_post2020	Water_Heat	3,452.83	3,516.01	3,533.30	3,421.57	3,440.18	3,436.13
UEC	SDGE	NG	New	Misc_pre2021	AC_Compressor	3,127.25	3,184.47	3,200.13	3,098.94	3,115.80	3,112.13
UEC	SDGE	NG	New	Misc_pre2021	Cook_top	1,752.53	1,784.60	1,793.38	1,736.67	1,746.12	1,744.06

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UEC	SDGE	NG	New	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Engine	79,927.18	81,389.76	81,790.02	79,203.67	79,634.47	79,540.68
UEC	SDGE	NG	New	Misc_pre2021	Fryer	1,691.08	1,722.02	1,730.49	1,675.77	1,684.88	1,682.90
UEC	SDGE	NG	New	Misc_pre2021	Griddle	1,735.70	1,767.46	1,776.15	1,719.99	1,729.34	1,727.31
UEC	SDGE	NG	New	Misc_pre2021	Other	217.52	221.50	222.59	215.55	216.72	216.47
UEC	SDGE	NG	New	Misc_pre2021	Other_Cooking	1,694.71	1,725.72	1,734.21	1,679.37	1,688.50	1,686.51
UEC	SDGE	NG	New	Misc_pre2021	Space_Heat	5,862.42	5,969.70	5,999.06	5,809.35	5,840.95	5,834.07
UEC	SDGE	NG	New	Misc_pre2021	Water_Heat	3,548.29	3,613.22	3,630.99	3,516.18	3,535.30	3,531.14
UEC	SDGE	NG	New	Office_post2020	AC_Compressor	2,328.80	2,393.24	2,411.04	2,295.74	2,314.63	2,310.50
UEC	SDGE	NG	New	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Cooking	770.01	791.32	797.21	759.08	765.33	763.96
UEC	SDGE	NG	New	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Other	199.32	204.83	206.36	196.49	198.11	197.75
UEC	SDGE	NG	New	Office_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Space_Heat	6,963.13	7,155.82	7,209.04	6,864.30	6,920.76	6,908.43
UEC	SDGE	NG	New	Office_post2020	Water_Heat	1,015.94	1,044.05	1,051.81	1,001.52	1,009.75	1,007.96
UEC	SDGE	NG	New	Office_pre2021	AC_Compressor	2,328.80	2,393.24	2,411.04	2,295.74	2,314.63	2,310.50
UEC	SDGE	NG	New	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Cooking	770.01	791.32	797.21	759.08	765.33	763.96
UEC	SDGE	NG	New	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Other	175.26	180.11	181.45	172.77	174.19	173.88
UEC	SDGE	NG	New	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Space_Heat	6,767.55	6,954.83	7,006.55	6,671.49	6,726.37	6,714.39

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UEC	SDGE	NG	New	Office_pre2021	Water_Heat	1,015.94	1,044.05	1,051.81	1,001.52	1,009.75	1,007.96
UEC	SDGE	NG	New	Restaurant_post2020	AC_Compressor	311.23	313.07	313.56	310.37	310.91	310.79
UEC	SDGE	NG	New	Restaurant_post2020	Cook_top	2,146.27	2,158.92	2,162.34	2,140.32	2,144.07	2,143.25
UEC	SDGE	NG	New	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Fryer	1,790.12	1,800.66	1,803.52	1,785.15	1,788.28	1,787.60
UEC	SDGE	NG	New	Restaurant_post2020	Griddle	1,618.93	1,628.47	1,631.05	1,614.44	1,617.27	1,616.65
UEC	SDGE	NG	New	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Other_Cooking	1,486.61	1,495.37	1,497.73	1,482.48	1,485.08	1,484.52
UEC	SDGE	NG	New	Restaurant_post2020	Space_Heat	180.77	181.83	182.12	180.26	180.58	180.51
UEC	SDGE	NG	New	Restaurant_post2020	Water_Heat	1,374.48	1,382.58	1,384.77	1,370.67	1,373.07	1,372.55
UEC	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	311.23	313.07	313.56	310.37	310.91	310.79
UEC	SDGE	NG	New	Restaurant_pre2021	Cook_top	1,974.09	1,985.72	1,988.87	1,968.62	1,972.06	1,971.32
UEC	SDGE	NG	New	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Fryer	1,651.94	1,661.67	1,664.30	1,647.36	1,650.24	1,649.62
UEC	SDGE	NG	New	Restaurant_pre2021	Griddle	1,489.05	1,497.83	1,500.20	1,484.92	1,487.52	1,486.96
UEC	SDGE	NG	New	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	1,486.61	1,495.37	1,497.73	1,482.48	1,485.08	1,484.52
UEC	SDGE	NG	New	Restaurant_pre2021	Space_Heat	180.77	181.83	182.12	180.26	180.58	180.51
UEC	SDGE	NG	New	Restaurant_pre2021	Water_Heat	1,273.40	1,280.91	1,282.93	1,269.87	1,272.09	1,271.61
UEC	SDGE	NG	New	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cooking	9,682.16	9,725.27	9,736.91	9,661.99	9,674.77	9,672.00
UEC	SDGE	NG	New	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Griddle	-	-	-	-	-	-

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UEC	SDGE	NG	New	Retail_post2020	Other	102.95	103.41	103.53	102.73	102.87	102.84
UEC	SDGE	NG	New	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Space_Heat	7,682.14	7,716.35	7,725.58	7,666.13	7,676.28	7,674.08
UEC	SDGE	NG	New	Retail_post2020	Water_Heat	3,298.49	3,313.18	3,317.14	3,291.62	3,295.97	3,295.03
UEC	SDGE	NG	New	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cooking	9,682.16	9,725.27	9,736.91	9,661.99	9,674.77	9,672.00
UEC	SDGE	NG	New	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Other	106.61	107.09	107.22	106.39	106.53	106.50
UEC	SDGE	NG	New	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Space_Heat	7,682.14	7,716.35	7,725.58	7,666.13	7,676.28	7,674.08
UEC	SDGE	NG	New	Retail_pre2021	Water_Heat	3,298.49	3,313.18	3,317.14	3,291.62	3,295.97	3,295.03
UEC	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	5,525.54	5,683.73	5,727.46	5,444.11	5,490.44	5,480.32
UEC	SDGE	NG	New	EDUCATION_post2020	Cook_top	1,539.63	1,583.71	1,595.89	1,516.94	1,529.85	1,527.03
UEC	SDGE	NG	New	EDUCATION_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Fryer	1,541.04	1,585.15	1,597.35	1,518.33	1,531.25	1,528.43
UEC	SDGE	NG	New	EDUCATION_post2020	Griddle	1,541.04	1,585.15	1,597.35	1,518.33	1,531.25	1,528.43
UEC	SDGE	NG	New	EDUCATION_post2020	Other	217.00	223.22	224.93	213.81	215.63	215.23
UEC	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	1,539.63	1,583.71	1,595.89	1,516.94	1,529.85	1,527.03
UEC	SDGE	NG	New	EDUCATION_post2020	Space_Heat	7,811.48	8,035.12	8,096.94	7,696.36	7,761.85	7,747.55
UEC	SDGE	NG	New	EDUCATION_post2020	Water_Heat	4,994.66	5,137.65	5,177.18	4,921.05	4,962.93	4,953.78
UEC	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	3,445.80	3,544.45	3,571.72	3,395.02	3,423.91	3,417.60
UEC	SDGE	NG	New	EDUCATION_pre2021	Cook_top	1,309.38	1,346.87	1,357.23	1,290.09	1,301.06	1,298.67
UEC	SDGE	NG	New	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Drying	-	-	-	-	-	-

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UEC	SDGE	NG	New	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Fryer	1,311.41	1,348.96	1,359.33	1,292.09	1,303.08	1,300.68
UEC	SDGE	NG	New	EDUCATION_pre2021	Griddle	1,311.41	1,348.96	1,359.33	1,292.09	1,303.08	1,300.68
UEC	SDGE	NG	New	EDUCATION_pre2021	Other	217.00	223.22	224.93	213.81	215.63	215.23
UEC	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	1,309.38	1,346.87	1,357.23	1,290.09	1,301.06	1,298.67
UEC	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	4,265.54	4,387.66	4,421.42	4,202.68	4,238.44	4,230.63
UEC	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	7,862.78	8,087.88	8,150.11	7,746.90	7,812.82	7,798.43

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2029	2030	2031	2032	2033	2034
UEC	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Drying	10,972.49	11,035.81	11,085.77	11,085.88	11,056.00	11,038.42
UEC	SDGE	NG	Ex	Agriculture_post2020	Engine	44,701.88	44,959.84	45,163.40	45,163.86	45,042.11	44,970.50
UEC	SDGE	NG	Ex	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	7,561.90	7,605.54	7,639.97	7,640.05	7,619.45	7,607.34
UEC	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	9,984.31	10,041.92	10,087.39	10,087.49	10,060.30	10,044.30
UEC	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Drying	10,946.54	11,009.71	11,059.56	11,059.67	11,029.86	11,012.32
UEC	SDGE	NG	Ex	Agriculture_pre2021	Engine	44,701.88	44,959.84	45,163.40	45,163.86	45,042.11	44,970.50
UEC	SDGE	NG	Ex	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	7,561.90	7,605.54	7,639.97	7,640.05	7,619.45	7,607.34
UEC	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	9,984.31	10,041.92	10,087.39	10,087.49	10,060.30	10,044.30
UEC	SDGE	NG	Ex	Health_post2020	AC_Compressor	4,292.54	4,305.54	4,315.77	4,315.80	4,309.69	4,306.09
UEC	SDGE	NG	Ex	Health_post2020	Cook_top	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	Ex	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Drying	5,503.54	5,520.21	5,533.33	5,533.36	5,525.53	5,520.92
UEC	SDGE	NG	Ex	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Fryer	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	Ex	Health_post2020	Griddle	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2029	2030	2031	2032	2033	2034
UEC	SDGE	NG	Ex	Health_post2020	Other	856.67	859.26	861.30	861.31	860.09	859.37
UEC	SDGE	NG	Ex	Health_post2020	Other_Cooking	993.73	996.74	999.10	999.11	997.70	996.86
UEC	SDGE	NG	Ex	Health_post2020	Space_Heat	2,585.95	2,593.78	2,599.95	2,599.96	2,596.28	2,594.12
UEC	SDGE	NG	Ex	Health_post2020	Water_Heat	15,097.04	15,142.76	15,178.74	15,178.82	15,157.35	15,144.70
UEC	SDGE	NG	Ex	Health_pre2021	AC_Compressor	4,292.54	4,305.54	4,315.77	4,315.80	4,309.69	4,306.09
UEC	SDGE	NG	Ex	Health_pre2021	Cook_top	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	Ex	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Drying	5,503.54	5,520.21	5,533.33	5,533.36	5,525.53	5,520.92
UEC	SDGE	NG	Ex	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Fryer	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	Ex	Health_pre2021	Griddle	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	Ex	Health_pre2021	Other	796.41	798.82	800.72	800.72	799.59	798.92
UEC	SDGE	NG	Ex	Health_pre2021	Other_Cooking	993.73	996.74	999.10	999.11	997.70	996.86
UEC	SDGE	NG	Ex	Health_pre2021	Space_Heat	2,585.95	2,593.78	2,599.95	2,599.96	2,596.28	2,594.12
UEC	SDGE	NG	Ex	Health_pre2021	Water_Heat	15,097.04	15,142.76	15,178.74	15,178.82	15,157.35	15,144.70
UEC	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Drying	17,704.81	17,713.32	17,720.00	17,720.02	17,716.04	17,713.69
UEC	SDGE	NG	Ex	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Space_Heat	173.36	173.45	173.51	173.51	173.47	173.45
UEC	SDGE	NG	Ex	Laundry_post2020	Water_Heat	3,141.42	3,142.93	3,144.11	3,144.11	3,143.41	3,142.99
UEC	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Drying	17,704.81	17,713.32	17,720.00	17,720.02	17,716.04	17,713.69

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Variable	Region	Fuel	Existing/Net	Segments	End Use	2029	2030	2031	2032	2033	2034
UEC	SDGE	NG	Ex	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	173.36	173.45	173.51	173.51	173.47	173.45
UEC	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	3,141.42	3,142.93	3,144.11	3,144.11	3,143.41	3,142.99
UEC	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	1,116.88	1,120.88	1,124.02	1,124.03	1,122.15	1,121.04
UEC	SDGE	NG	Ex	Lodging_post2020	Cook_top	6,307.87	6,330.46	6,348.24	6,348.28	6,337.67	6,331.41
UEC	SDGE	NG	Ex	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Drying	3,385.89	3,398.01	3,407.56	3,407.58	3,401.88	3,398.52
UEC	SDGE	NG	Ex	Lodging_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Fryer	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	Ex	Lodging_post2020	Griddle	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	Ex	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	811.72	814.62	816.91	816.92	815.55	814.75
UEC	SDGE	NG	Ex	Lodging_post2020	Space_Heat	7,559.19	7,586.26	7,607.57	7,607.62	7,594.89	7,587.40
UEC	SDGE	NG	Ex	Lodging_post2020	Water_Heat	14,946.80	15,000.32	15,042.46	15,042.55	15,017.39	15,002.58
UEC	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	1,116.88	1,120.88	1,124.02	1,124.03	1,122.15	1,121.04
UEC	SDGE	NG	Ex	Lodging_pre2021	Cook_top	6,307.87	6,330.46	6,348.24	6,348.28	6,337.67	6,331.41
UEC	SDGE	NG	Ex	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Drying	3,385.89	3,398.01	3,407.56	3,407.58	3,401.88	3,398.52
UEC	SDGE	NG	Ex	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Fryer	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	Ex	Lodging_pre2021	Griddle	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	Ex	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	811.72	814.62	816.91	816.92	815.55	814.75
UEC	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	7,559.19	7,586.26	7,607.57	7,607.62	7,594.89	7,587.40
UEC	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	13,792.80	13,842.19	13,881.07	13,881.16	13,857.94	13,844.27
UEC	SDGE	NG	Ex	Misc_post2020	AC_Compressor	4,007.92	4,028.07	4,043.96	4,044.00	4,034.50	4,028.91

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UEC	SDGE	NG	Ex	Misc_post2020	Cook_top	2,629.50	2,642.72	2,653.15	2,653.17	2,646.94	2,643.27
UEC	SDGE	NG	Ex	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Engine	79,833.06	80,234.43	80,550.91	80,551.63	80,362.44	80,251.13
UEC	SDGE	NG	Ex	Misc_post2020	Fryer	1,293.69	1,300.20	1,305.33	1,305.34	1,302.27	1,300.47
UEC	SDGE	NG	Ex	Misc_post2020	Griddle	1,762.95	1,771.82	1,778.81	1,778.82	1,774.64	1,772.19
UEC	SDGE	NG	Ex	Misc_post2020	Other	274.34	275.72	276.81	276.81	276.16	275.78
UEC	SDGE	NG	Ex	Misc_post2020	Other_Cooking	1,234.31	1,240.52	1,245.41	1,245.42	1,242.50	1,240.78
UEC	SDGE	NG	Ex	Misc_post2020	Space_Heat	4,276.53	4,298.03	4,314.98	4,315.02	4,304.89	4,298.92
UEC	SDGE	NG	Ex	Misc_post2020	Water_Heat	3,459.09	3,476.48	3,490.20	3,490.23	3,482.03	3,477.21
UEC	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	3,132.92	3,148.67	3,161.09	3,161.12	3,153.70	3,149.33
UEC	SDGE	NG	Ex	Misc_pre2021	Cook_top	1,755.71	1,764.54	1,771.50	1,771.52	1,767.36	1,764.91
UEC	SDGE	NG	Ex	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Engine	80,072.18	80,474.75	80,792.18	80,792.89	80,603.14	80,491.50
UEC	SDGE	NG	Ex	Misc_pre2021	Fryer	1,694.14	1,702.66	1,709.38	1,709.39	1,705.38	1,703.01
UEC	SDGE	NG	Ex	Misc_pre2021	Griddle	1,738.85	1,747.59	1,754.48	1,754.50	1,750.38	1,747.95
UEC	SDGE	NG	Ex	Misc_pre2021	Other	217.91	219.01	219.87	219.88	219.36	219.06
UEC	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	1,697.78	1,706.32	1,713.05	1,713.06	1,709.04	1,706.67
UEC	SDGE	NG	Ex	Misc_pre2021	Space_Heat	5,873.06	5,902.58	5,925.87	5,925.92	5,912.00	5,903.81
UEC	SDGE	NG	Ex	Misc_pre2021	Water_Heat	3,554.73	3,572.60	3,586.70	3,586.73	3,578.30	3,573.35
UEC	SDGE	NG	Ex	Office_post2020	AC_Compressor	2,333.85	2,351.60	2,365.62	2,365.65	2,357.25	2,352.31
UEC	SDGE	NG	Ex	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Cooking	771.68	777.55	782.19	782.20	779.42	777.79
UEC	SDGE	NG	Ex	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Other	199.75	201.27	202.47	202.47	201.75	201.33
UEC	SDGE	NG	Ex	Office_post2020	Other_Cooking	-	-	-	-	-	-

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UEC	SDGE	NG	Ex	Office_post2020	Space_Heat	6,978.24	7,031.30	7,073.24	7,073.33	7,048.21	7,033.45
UEC	SDGE	NG	Ex	Office_post2020	Water_Heat	1,018.14	1,025.88	1,032.00	1,032.02	1,028.35	1,026.20
UEC	SDGE	NG	Ex	Office_pre2021	AC_Compressor	2,333.85	2,351.60	2,365.62	2,365.65	2,357.25	2,352.31
UEC	SDGE	NG	Ex	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Cooking	771.68	777.55	782.19	782.20	779.42	777.79
UEC	SDGE	NG	Ex	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Other	175.64	176.98	178.03	178.04	177.40	177.03
UEC	SDGE	NG	Ex	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Space_Heat	6,782.24	6,833.80	6,874.57	6,874.66	6,850.24	6,835.89
UEC	SDGE	NG	Ex	Office_pre2021	Water_Heat	1,018.14	1,025.88	1,032.00	1,032.02	1,028.35	1,026.20
UEC	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	311.46	311.97	312.36	312.36	312.13	311.99
UEC	SDGE	NG	Ex	Restaurant_post2020	Cook_top	2,147.87	2,151.34	2,154.08	2,154.08	2,152.45	2,151.49
UEC	SDGE	NG	Ex	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Fryer	1,791.45	1,794.35	1,796.63	1,796.63	1,795.27	1,794.47
UEC	SDGE	NG	Ex	Restaurant_post2020	Griddle	1,620.13	1,622.76	1,624.82	1,624.82	1,623.59	1,622.87
UEC	SDGE	NG	Ex	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	1,487.71	1,490.12	1,492.01	1,492.02	1,490.89	1,490.22
UEC	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	180.90	181.19	181.42	181.42	181.29	181.20
UEC	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	1,375.50	1,377.73	1,379.48	1,379.48	1,378.44	1,377.82
UEC	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	311.46	311.97	312.36	312.36	312.13	311.99
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	1,975.56	1,978.76	1,981.27	1,981.27	1,979.78	1,978.89
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Fryer	1,653.16	1,655.84	1,657.94	1,657.95	1,656.70	1,655.96

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UEC	SDGE	NG	Ex	Restaurant_pre2021	Griddle	1,490.16	1,492.57	1,494.47	1,494.47	1,493.34	1,492.68
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	1,487.71	1,490.12	1,492.01	1,492.02	1,490.89	1,490.22
UEC	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	180.90	181.19	181.42	181.42	181.29	181.20
UEC	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	1,274.35	1,276.41	1,278.03	1,278.04	1,277.07	1,276.50
UEC	SDGE	NG	Ex	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cooking	9,687.73	9,699.58	9,708.89	9,708.91	9,703.36	9,700.09
UEC	SDGE	NG	Ex	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Other	103.01	103.13	103.23	103.23	103.17	103.14
UEC	SDGE	NG	Ex	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Space_Heat	7,686.56	7,695.96	7,703.35	7,703.37	7,698.96	7,696.37
UEC	SDGE	NG	Ex	Retail_post2020	Water_Heat	3,300.39	3,304.42	3,307.60	3,307.60	3,305.71	3,304.60
UEC	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cooking	9,687.73	9,699.58	9,708.89	9,708.91	9,703.36	9,700.09
UEC	SDGE	NG	Ex	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Other	106.67	106.81	106.91	106.91	106.85	106.81
UEC	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Space_Heat	7,686.56	7,695.96	7,703.35	7,703.37	7,698.96	7,696.37
UEC	SDGE	NG	Ex	Retail_pre2021	Water_Heat	3,300.39	3,304.42	3,307.60	3,307.60	3,305.71	3,304.60
UEC	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	5,537.62	5,581.17	5,615.61	5,615.69	5,595.06	5,582.93
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	1,542.99	1,555.13	1,564.73	1,564.75	1,559.00	1,555.62
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cooking	-	-	-	-	-	-

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UEC	SDGE	NG	Ex	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Fryer	1,544.40	1,556.55	1,566.16	1,566.18	1,560.42	1,557.04
UEC	SDGE	NG	Ex	EDUCATION_post2020	Griddle	1,544.40	1,556.55	1,566.16	1,566.18	1,560.42	1,557.04
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other	217.48	219.19	220.54	220.54	219.73	219.26
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	1,542.99	1,555.13	1,564.73	1,564.75	1,559.00	1,555.62
UEC	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	7,828.55	7,890.12	7,938.81	7,938.92	7,909.75	7,892.61
UEC	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	5,005.57	5,044.94	5,076.07	5,076.14	5,057.49	5,046.53
UEC	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	3,453.33	3,480.49	3,501.97	3,502.02	3,489.15	3,481.59
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	1,312.24	1,322.57	1,330.73	1,330.75	1,325.86	1,322.98
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	1,314.28	1,324.61	1,332.79	1,332.81	1,327.91	1,325.03
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	1,314.28	1,324.61	1,332.79	1,332.81	1,327.91	1,325.03
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other	217.48	219.19	220.54	220.54	219.73	219.26
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	1,312.24	1,322.57	1,330.73	1,330.75	1,325.86	1,322.98
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	4,274.86	4,308.48	4,335.07	4,335.13	4,319.20	4,309.84
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	7,879.95	7,941.93	7,990.94	7,991.06	7,961.69	7,944.44
UEC	SDGE	NG	New	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Drying	10,972.49	11,035.81	11,085.77	11,085.88	11,056.00	11,038.42
UEC	SDGE	NG	New	Agriculture_post2020	Engine	44,701.88	44,959.84	45,163.40	45,163.86	45,042.11	44,970.50
UEC	SDGE	NG	New	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Space_Heat	7,561.90	7,605.54	7,639.97	7,640.05	7,619.45	7,607.34
UEC	SDGE	NG	New	Agriculture_post2020	Water_Heat	9,984.31	10,041.92	10,087.39	10,087.49	10,060.30	10,044.30

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UEC	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Drying	10,946.54	11,009.71	11,059.56	11,059.67	11,029.86	11,012.32
UEC	SDGE	NG	New	Agriculture_pre2021	Engine	44,701.88	44,959.84	45,163.40	45,163.86	45,042.11	44,970.50
UEC	SDGE	NG	New	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Space_Heat	7,561.90	7,605.54	7,639.97	7,640.05	7,619.45	7,607.34
UEC	SDGE	NG	New	Agriculture_pre2021	Water_Heat	9,984.31	10,041.92	10,087.39	10,087.49	10,060.30	10,044.30
UEC	SDGE	NG	New	Health_post2020	AC_Compressor	4,292.54	4,305.54	4,315.77	4,315.80	4,309.69	4,306.09
UEC	SDGE	NG	New	Health_post2020	Cook_top	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Drying	5,503.54	5,520.21	5,533.33	5,533.36	5,525.53	5,520.92
UEC	SDGE	NG	New	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Fryer	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_post2020	Griddle	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_post2020	Other	856.67	859.26	861.30	861.31	860.09	859.37
UEC	SDGE	NG	New	Health_post2020	Other_Cooking	993.73	996.74	999.10	999.11	997.70	996.86
UEC	SDGE	NG	New	Health_post2020	Space_Heat	2,585.95	2,593.78	2,599.95	2,599.96	2,596.28	2,594.12
UEC	SDGE	NG	New	Health_post2020	Water_Heat	15,097.04	15,142.76	15,178.74	15,178.82	15,157.35	15,144.70
UEC	SDGE	NG	New	Health_pre2021	AC_Compressor	4,292.54	4,305.54	4,315.77	4,315.80	4,309.69	4,306.09
UEC	SDGE	NG	New	Health_pre2021	Cook_top	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Drying	5,503.54	5,520.21	5,533.33	5,533.36	5,525.53	5,520.92
UEC	SDGE	NG	New	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Fryer	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_pre2021	Griddle	9,937.45	9,967.54	9,991.23	9,991.28	9,977.14	9,968.82
UEC	SDGE	NG	New	Health_pre2021	Other	796.41	798.82	800.72	800.72	799.59	798.92

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UEC	SDGE	NG	New	Health_pre2021	Other_Cooking	993.73	996.74	999.10	999.11	997.70	996.86
UEC	SDGE	NG	New	Health_pre2021	Space_Heat	2,585.95	2,593.78	2,599.95	2,599.96	2,596.28	2,594.12
UEC	SDGE	NG	New	Health_pre2021	Water_Heat	15,097.04	15,142.76	15,178.74	15,178.82	15,157.35	15,144.70
UEC	SDGE	NG	New	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Drying	17,704.81	17,713.32	17,720.00	17,720.02	17,716.04	17,713.69
UEC	SDGE	NG	New	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Space_Heat	173.36	173.45	173.51	173.51	173.47	173.45
UEC	SDGE	NG	New	Laundry_post2020	Water_Heat	3,141.42	3,142.93	3,144.11	3,144.11	3,143.41	3,142.99
UEC	SDGE	NG	New	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Drying	17,704.81	17,713.32	17,720.00	17,720.02	17,716.04	17,713.69
UEC	SDGE	NG	New	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Space_Heat	173.36	173.45	173.51	173.51	173.47	173.45
UEC	SDGE	NG	New	Laundry_pre2021	Water_Heat	3,141.42	3,142.93	3,144.11	3,144.11	3,143.41	3,142.99
UEC	SDGE	NG	New	Lodging_post2020	AC_Compressor	1,116.88	1,120.88	1,124.02	1,124.03	1,122.15	1,121.04
UEC	SDGE	NG	New	Lodging_post2020	Cook_top	6,307.87	6,330.46	6,348.24	6,348.28	6,337.67	6,331.41
UEC	SDGE	NG	New	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Drying	3,385.89	3,398.01	3,407.56	3,407.58	3,401.88	3,398.52
UEC	SDGE	NG	New	Lodging_post2020	Engine	-	-	-	-	-	-

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UEC	SDGE	NG	New	Lodging_post2020	Fryer	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	New	Lodging_post2020	Griddle	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	New	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Other_Cooking	811.72	814.62	816.91	816.92	815.55	814.75
UEC	SDGE	NG	New	Lodging_post2020	Space_Heat	7,559.19	7,586.26	7,607.57	7,607.62	7,594.89	7,587.40
UEC	SDGE	NG	New	Lodging_post2020	Water_Heat	14,946.80	15,000.32	15,042.46	15,042.55	15,017.39	15,002.58
UEC	SDGE	NG	New	Lodging_pre2021	AC_Compressor	1,116.88	1,120.88	1,124.02	1,124.03	1,122.15	1,121.04
UEC	SDGE	NG	New	Lodging_pre2021	Cook_top	6,307.87	6,330.46	6,348.24	6,348.28	6,337.67	6,331.41
UEC	SDGE	NG	New	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Drying	3,385.89	3,398.01	3,407.56	3,407.58	3,401.88	3,398.52
UEC	SDGE	NG	New	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Fryer	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	New	Lodging_pre2021	Griddle	8,213.31	8,242.72	8,265.87	8,265.93	8,252.10	8,243.96
UEC	SDGE	NG	New	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Other_Cooking	811.72	814.62	816.91	816.92	815.55	814.75
UEC	SDGE	NG	New	Lodging_pre2021	Space_Heat	7,559.19	7,586.26	7,607.57	7,607.62	7,594.89	7,587.40
UEC	SDGE	NG	New	Lodging_pre2021	Water_Heat	13,792.80	13,842.19	13,881.07	13,881.16	13,857.94	13,844.27
UEC	SDGE	NG	New	Misc_post2020	AC_Compressor	4,007.92	4,028.07	4,043.96	4,044.00	4,034.50	4,028.91
UEC	SDGE	NG	New	Misc_post2020	Cook_top	2,629.50	2,642.72	2,653.15	2,653.17	2,646.94	2,643.27
UEC	SDGE	NG	New	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Engine	79,833.06	80,234.43	80,550.91	80,551.63	80,362.44	80,251.13
UEC	SDGE	NG	New	Misc_post2020	Fryer	1,293.69	1,300.20	1,305.33	1,305.34	1,302.27	1,300.47
UEC	SDGE	NG	New	Misc_post2020	Griddle	1,762.95	1,771.82	1,778.81	1,778.82	1,774.64	1,772.19
UEC	SDGE	NG	New	Misc_post2020	Other	274.34	275.72	276.81	276.81	276.16	275.78
UEC	SDGE	NG	New	Misc_post2020	Other_Cooking	1,234.31	1,240.52	1,245.41	1,245.42	1,242.50	1,240.78
UEC	SDGE	NG	New	Misc_post2020	Space_Heat	4,276.53	4,298.03	4,314.98	4,315.02	4,304.89	4,298.92
UEC	SDGE	NG	New	Misc_post2020	Water_Heat	3,459.09	3,476.48	3,490.20	3,490.23	3,482.03	3,477.21
UEC	SDGE	NG	New	Misc_pre2021	AC_Compressor	3,132.92	3,148.67	3,161.09	3,161.12	3,153.70	3,149.33
UEC	SDGE	NG	New	Misc_pre2021	Cook_top	1,755.71	1,764.54	1,771.50	1,771.52	1,767.36	1,764.91

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UEC	SDGE	NG	New	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Engine	80,072.18	80,474.75	80,792.18	80,792.89	80,603.14	80,491.50
UEC	SDGE	NG	New	Misc_pre2021	Fryer	1,694.14	1,702.66	1,709.38	1,709.39	1,705.38	1,703.01
UEC	SDGE	NG	New	Misc_pre2021	Griddle	1,738.85	1,747.59	1,754.48	1,754.50	1,750.38	1,747.95
UEC	SDGE	NG	New	Misc_pre2021	Other	217.91	219.01	219.87	219.88	219.36	219.06
UEC	SDGE	NG	New	Misc_pre2021	Other_Cooking	1,697.78	1,706.32	1,713.05	1,713.06	1,709.04	1,706.67
UEC	SDGE	NG	New	Misc_pre2021	Space_Heat	5,873.06	5,902.58	5,925.87	5,925.92	5,912.00	5,903.81
UEC	SDGE	NG	New	Misc_pre2021	Water_Heat	3,554.73	3,572.60	3,586.70	3,586.73	3,578.30	3,573.35
UEC	SDGE	NG	New	Office_post2020	AC_Compressor	2,333.85	2,351.60	2,365.62	2,365.65	2,357.25	2,352.31
UEC	SDGE	NG	New	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Cooking	771.68	777.55	782.19	782.20	779.42	777.79
UEC	SDGE	NG	New	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Other	199.75	201.27	202.47	202.47	201.75	201.33
UEC	SDGE	NG	New	Office_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Space_Heat	6,978.24	7,031.30	7,073.24	7,073.33	7,048.21	7,033.45
UEC	SDGE	NG	New	Office_post2020	Water_Heat	1,018.14	1,025.88	1,032.00	1,032.02	1,028.35	1,026.20
UEC	SDGE	NG	New	Office_pre2021	AC_Compressor	2,333.85	2,351.60	2,365.62	2,365.65	2,357.25	2,352.31
UEC	SDGE	NG	New	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Cooking	771.68	777.55	782.19	782.20	779.42	777.79
UEC	SDGE	NG	New	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Other	175.64	176.98	178.03	178.04	177.40	177.03
UEC	SDGE	NG	New	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Space_Heat	6,782.24	6,833.80	6,874.57	6,874.66	6,850.24	6,835.89

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UEC	SDGE	NG	New	Office_pre2021	Water_Heat	1,018.14	1,025.88	1,032.00	1,032.02	1,028.35	1,026.20
UEC	SDGE	NG	New	Restaurant_post2020	AC_Compressor	311.46	311.97	312.36	312.36	312.13	311.99
UEC	SDGE	NG	New	Restaurant_post2020	Cook_top	2,147.87	2,151.34	2,154.08	2,154.08	2,152.45	2,151.49
UEC	SDGE	NG	New	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Fryer	1,791.45	1,794.35	1,796.63	1,796.63	1,795.27	1,794.47
UEC	SDGE	NG	New	Restaurant_post2020	Griddle	1,620.13	1,622.76	1,624.82	1,624.82	1,623.59	1,622.87
UEC	SDGE	NG	New	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Other_Cooking	1,487.71	1,490.12	1,492.01	1,492.02	1,490.89	1,490.22
UEC	SDGE	NG	New	Restaurant_post2020	Space_Heat	180.90	181.19	181.42	181.42	181.29	181.20
UEC	SDGE	NG	New	Restaurant_post2020	Water_Heat	1,375.50	1,377.73	1,379.48	1,379.48	1,378.44	1,377.82
UEC	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	311.46	311.97	312.36	312.36	312.13	311.99
UEC	SDGE	NG	New	Restaurant_pre2021	Cook_top	1,975.56	1,978.76	1,981.27	1,981.27	1,979.78	1,978.89
UEC	SDGE	NG	New	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Fryer	1,653.16	1,655.84	1,657.94	1,657.95	1,656.70	1,655.96
UEC	SDGE	NG	New	Restaurant_pre2021	Griddle	1,490.16	1,492.57	1,494.47	1,494.47	1,493.34	1,492.68
UEC	SDGE	NG	New	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	1,487.71	1,490.12	1,492.01	1,492.02	1,490.89	1,490.22
UEC	SDGE	NG	New	Restaurant_pre2021	Space_Heat	180.90	181.19	181.42	181.42	181.29	181.20
UEC	SDGE	NG	New	Restaurant_pre2021	Water_Heat	1,274.35	1,276.41	1,278.03	1,278.04	1,277.07	1,276.50
UEC	SDGE	NG	New	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cooking	9,687.73	9,699.58	9,708.89	9,708.91	9,703.36	9,700.09
UEC	SDGE	NG	New	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Griddle	-	-	-	-	-	-

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UEC	SDGE	NG	New	Retail_post2020	Other	103.01	103.13	103.23	103.23	103.17	103.14
UEC	SDGE	NG	New	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Space_Heat	7,686.56	7,695.96	7,703.35	7,703.37	7,698.96	7,696.37
UEC	SDGE	NG	New	Retail_post2020	Water_Heat	3,300.39	3,304.42	3,307.60	3,307.60	3,305.71	3,304.60
UEC	SDGE	NG	New	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cooking	9,687.73	9,699.58	9,708.89	9,708.91	9,703.36	9,700.09
UEC	SDGE	NG	New	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Other	106.67	106.81	106.91	106.91	106.85	106.81
UEC	SDGE	NG	New	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Space_Heat	7,686.56	7,695.96	7,703.35	7,703.37	7,698.96	7,696.37
UEC	SDGE	NG	New	Retail_pre2021	Water_Heat	3,300.39	3,304.42	3,307.60	3,307.60	3,305.71	3,304.60
UEC	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	5,537.62	5,581.17	5,615.61	5,615.69	5,595.06	5,582.93
UEC	SDGE	NG	New	EDUCATION_post2020	Cook_top	1,542.99	1,555.13	1,564.73	1,564.75	1,559.00	1,555.62
UEC	SDGE	NG	New	EDUCATION_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Fryer	1,544.40	1,556.55	1,566.16	1,566.18	1,560.42	1,557.04
UEC	SDGE	NG	New	EDUCATION_post2020	Griddle	1,544.40	1,556.55	1,566.16	1,566.18	1,560.42	1,557.04
UEC	SDGE	NG	New	EDUCATION_post2020	Other	217.48	219.19	220.54	220.54	219.73	219.26
UEC	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	1,542.99	1,555.13	1,564.73	1,564.75	1,559.00	1,555.62
UEC	SDGE	NG	New	EDUCATION_post2020	Space_Heat	7,828.55	7,890.12	7,938.81	7,938.92	7,909.75	7,892.61
UEC	SDGE	NG	New	EDUCATION_post2020	Water_Heat	5,005.57	5,044.94	5,076.07	5,076.14	5,057.49	5,046.53
UEC	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	3,453.33	3,480.49	3,501.97	3,502.02	3,489.15	3,481.59
UEC	SDGE	NG	New	EDUCATION_pre2021	Cook_top	1,312.24	1,322.57	1,330.73	1,330.75	1,325.86	1,322.98
UEC	SDGE	NG	New	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Drying	-	-	-	-	-	-

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Variable	Region	Fuel	Existing/New	Segments	End Use	2029	2030	2031	2032	2033	2034
UEC	SDGE	NG	New	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Fryer	1,314.28	1,324.61	1,332.79	1,332.81	1,327.91	1,325.03
UEC	SDGE	NG	New	EDUCATION_pre2021	Griddle	1,314.28	1,324.61	1,332.79	1,332.81	1,327.91	1,325.03
UEC	SDGE	NG	New	EDUCATION_pre2021	Other	217.48	219.19	220.54	220.54	219.73	219.26
UEC	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	1,312.24	1,322.57	1,330.73	1,330.75	1,325.86	1,322.98
UEC	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	4,274.86	4,308.48	4,335.07	4,335.13	4,319.20	4,309.84
UEC	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	7,879.95	7,941.93	7,990.94	7,991.06	7,961.69	7,944.44

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Drying	11,062.08	11,054.25	11,023.23	11,015.88	11,017.77	11,008.86
UEC	SDGE	NG	Ex	Agriculture_post2020	Engine	45,066.90	45,034.98	44,908.60	44,878.67	44,886.36	44,850.09
UEC	SDGE	NG	Ex	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_post2020	Space_Heat	7,623.65	7,618.25	7,596.87	7,591.80	7,593.10	7,586.97
UEC	SDGE	NG	Ex	Agriculture_post2020	Water_Heat	10,065.83	10,058.70	10,030.48	10,023.79	10,025.51	10,017.41
UEC	SDGE	NG	Ex	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Drying	11,035.93	11,028.11	10,997.16	10,989.83	10,991.72	10,982.83
UEC	SDGE	NG	Ex	Agriculture_pre2021	Engine	45,066.90	45,034.98	44,908.60	44,878.67	44,886.36	44,850.09
UEC	SDGE	NG	Ex	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Agriculture_pre2021	Space_Heat	7,623.65	7,618.25	7,596.87	7,591.80	7,593.10	7,586.97
UEC	SDGE	NG	Ex	Agriculture_pre2021	Water_Heat	10,065.83	10,058.70	10,030.48	10,023.79	10,025.51	10,017.41
UEC	SDGE	NG	Ex	Health_post2020	AC_Compressor	4,310.94	4,309.34	4,302.99	4,301.48	4,301.87	4,300.05
UEC	SDGE	NG	Ex	Health_post2020	Cook_top	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	Ex	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Drying	5,527.13	5,525.08	5,516.94	5,515.01	5,515.50	5,513.17
UEC	SDGE	NG	Ex	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_post2020	Fryer	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	Ex	Health_post2020	Griddle	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Health_post2020	Other	860.34	860.02	858.75	858.45	858.53	858.16
UEC	SDGE	NG	Ex	Health_post2020	Other_Cooking	997.99	997.61	996.15	995.80	995.89	995.46
UEC	SDGE	NG	Ex	Health_post2020	Space_Heat	2,597.03	2,596.07	2,592.25	2,591.34	2,591.57	2,590.47
UEC	SDGE	NG	Ex	Health_post2020	Water_Heat	15,161.74	15,156.10	15,133.78	15,128.49	15,129.85	15,123.43
UEC	SDGE	NG	Ex	Health_pre2021	AC_Compressor	4,310.94	4,309.34	4,302.99	4,301.48	4,301.87	4,300.05
UEC	SDGE	NG	Ex	Health_pre2021	Cook_top	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	Ex	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Drying	5,527.13	5,525.08	5,516.94	5,515.01	5,515.50	5,513.17
UEC	SDGE	NG	Ex	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Health_pre2021	Fryer	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	Ex	Health_pre2021	Griddle	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	Ex	Health_pre2021	Other	799.82	799.53	798.35	798.07	798.14	797.80
UEC	SDGE	NG	Ex	Health_pre2021	Other_Cooking	997.99	997.61	996.15	995.80	995.89	995.46
UEC	SDGE	NG	Ex	Health_pre2021	Space_Heat	2,597.03	2,596.07	2,592.25	2,591.34	2,591.57	2,590.47
UEC	SDGE	NG	Ex	Health_pre2021	Water_Heat	15,161.74	15,156.10	15,133.78	15,128.49	15,129.85	15,123.43
UEC	SDGE	NG	Ex	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Drying	17,716.85	17,715.81	17,711.67	17,710.69	17,710.94	17,709.75
UEC	SDGE	NG	Ex	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_post2020	Space_Heat	173.48	173.47	173.43	173.42	173.42	173.41
UEC	SDGE	NG	Ex	Laundry_post2020	Water_Heat	3,143.55	3,143.37	3,142.63	3,142.46	3,142.50	3,142.29
UEC	SDGE	NG	Ex	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Drying	17,716.85	17,715.81	17,711.67	17,710.69	17,710.94	17,709.75

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Variable	Region	Fuel	Existing/Net	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Laundry_pre2021	Space_Heat	173.48	173.47	173.43	173.42	173.42	173.41
UEC	SDGE	NG	Ex	Laundry_pre2021	Water_Heat	3,143.55	3,143.37	3,142.63	3,142.46	3,142.50	3,142.29
UEC	SDGE	NG	Ex	Lodging_post2020	AC_Compressor	1,122.54	1,122.04	1,120.09	1,119.63	1,119.74	1,119.18
UEC	SDGE	NG	Ex	Lodging_post2020	Cook_top	6,339.84	6,337.05	6,326.01	6,323.40	6,324.07	6,320.90
UEC	SDGE	NG	Ex	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Drying	3,403.04	3,401.55	3,395.63	3,394.22	3,394.58	3,392.88
UEC	SDGE	NG	Ex	Lodging_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Fryer	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	Ex	Lodging_post2020	Griddle	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	Ex	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_post2020	Other_Cooking	815.83	815.47	814.05	813.72	813.80	813.39
UEC	SDGE	NG	Ex	Lodging_post2020	Space_Heat	7,597.49	7,594.15	7,580.93	7,577.80	7,578.60	7,574.80
UEC	SDGE	NG	Ex	Lodging_post2020	Water_Heat	15,022.53	15,015.93	14,989.78	14,983.58	14,985.18	14,977.66
UEC	SDGE	NG	Ex	Lodging_pre2021	AC_Compressor	1,122.54	1,122.04	1,120.09	1,119.63	1,119.74	1,119.18
UEC	SDGE	NG	Ex	Lodging_pre2021	Cook_top	6,339.84	6,337.05	6,326.01	6,323.40	6,324.07	6,320.90
UEC	SDGE	NG	Ex	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Drying	3,403.04	3,401.55	3,395.63	3,394.22	3,394.58	3,392.88
UEC	SDGE	NG	Ex	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Fryer	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	Ex	Lodging_pre2021	Griddle	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	Ex	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Lodging_pre2021	Other_Cooking	815.83	815.47	814.05	813.72	813.80	813.39
UEC	SDGE	NG	Ex	Lodging_pre2021	Space_Heat	7,597.49	7,594.15	7,580.93	7,577.80	7,578.60	7,574.80
UEC	SDGE	NG	Ex	Lodging_pre2021	Water_Heat	13,862.69	13,856.59	13,832.47	13,826.75	13,828.22	13,821.28
UEC	SDGE	NG	Ex	Misc_post2020	AC_Compressor	4,036.44	4,033.94	4,024.08	4,021.75	4,022.35	4,019.51

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Variable	Region	Fuel	Existing/Net	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Misc_post2020	Cook_top	2,648.21	2,646.57	2,640.10	2,638.57	2,638.96	2,637.11
UEC	SDGE	NG	Ex	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_post2020	Engine	80,401.01	80,351.40	80,154.94	80,108.41	80,120.36	80,063.96
UEC	SDGE	NG	Ex	Misc_post2020	Fryer	1,302.90	1,302.09	1,298.91	1,298.15	1,298.35	1,297.43
UEC	SDGE	NG	Ex	Misc_post2020	Griddle	1,775.50	1,774.40	1,770.06	1,769.03	1,769.30	1,768.05
UEC	SDGE	NG	Ex	Misc_post2020	Other	276.29	276.12	275.45	275.29	275.33	275.13
UEC	SDGE	NG	Ex	Misc_post2020	Other_Cooking	1,243.10	1,242.33	1,239.29	1,238.57	1,238.76	1,237.88
UEC	SDGE	NG	Ex	Misc_post2020	Space_Heat	4,306.95	4,304.30	4,293.77	4,291.28	4,291.92	4,288.90
UEC	SDGE	NG	Ex	Misc_post2020	Water_Heat	3,483.70	3,481.55	3,473.04	3,471.02	3,471.54	3,469.10
UEC	SDGE	NG	Ex	Misc_pre2021	AC_Compressor	3,155.21	3,153.26	3,145.55	3,143.73	3,144.20	3,141.98
UEC	SDGE	NG	Ex	Misc_pre2021	Cook_top	1,768.20	1,767.11	1,762.79	1,761.77	1,762.03	1,760.79
UEC	SDGE	NG	Ex	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Misc_pre2021	Engine	80,641.83	80,592.06	80,395.02	80,348.35	80,360.34	80,303.76
UEC	SDGE	NG	Ex	Misc_pre2021	Fryer	1,706.20	1,705.14	1,700.97	1,699.99	1,700.24	1,699.04
UEC	SDGE	NG	Ex	Misc_pre2021	Griddle	1,751.22	1,750.14	1,745.86	1,744.85	1,745.11	1,743.88
UEC	SDGE	NG	Ex	Misc_pre2021	Other	219.46	219.33	218.79	218.67	218.70	218.54
UEC	SDGE	NG	Ex	Misc_pre2021	Other_Cooking	1,709.86	1,708.81	1,704.63	1,703.64	1,703.89	1,702.69
UEC	SDGE	NG	Ex	Misc_pre2021	Space_Heat	5,914.84	5,911.19	5,896.74	5,893.31	5,894.19	5,890.04
UEC	SDGE	NG	Ex	Misc_pre2021	Water_Heat	3,580.02	3,577.81	3,569.06	3,566.99	3,567.52	3,565.01
UEC	SDGE	NG	Ex	Office_post2020	AC_Compressor	2,358.96	2,356.76	2,348.04	2,345.98	2,346.51	2,344.01
UEC	SDGE	NG	Ex	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Cooking	779.99	779.26	776.38	775.69	775.87	775.04
UEC	SDGE	NG	Ex	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_post2020	Other	201.90	201.71	200.97	200.79	200.83	200.62
UEC	SDGE	NG	Ex	Office_post2020	Other_Cooking	-	-	-	-	-	-

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Variable	Region	Fuel	Existing/Ne	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Office_post2020	Space_Heat	7,053.31	7,046.73	7,020.68	7,014.51	7,016.10	7,008.63
UEC	SDGE	NG	Ex	Office_post2020	Water_Heat	1,029.09	1,028.13	1,024.33	1,023.43	1,023.66	1,022.57
UEC	SDGE	NG	Ex	Office_pre2021	AC_Compressor	2,358.96	2,356.76	2,348.04	2,345.98	2,346.51	2,344.01
UEC	SDGE	NG	Ex	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Cooking	779.99	779.26	776.38	775.69	775.87	775.04
UEC	SDGE	NG	Ex	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Other	177.53	177.37	176.71	176.55	176.59	176.41
UEC	SDGE	NG	Ex	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Office_pre2021	Space_Heat	6,855.20	6,848.80	6,823.48	6,817.49	6,819.03	6,811.77
UEC	SDGE	NG	Ex	Office_pre2021	Water_Heat	1,029.09	1,028.13	1,024.33	1,023.43	1,023.66	1,022.57
UEC	SDGE	NG	Ex	Restaurant_post2020	AC_Compressor	312.18	312.11	311.87	311.81	311.83	311.75
UEC	SDGE	NG	Ex	Restaurant_post2020	Cook_top	2,152.79	2,152.36	2,150.66	2,150.26	2,150.37	2,149.88
UEC	SDGE	NG	Ex	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Fryer	1,795.55	1,795.19	1,793.78	1,793.44	1,793.53	1,793.12
UEC	SDGE	NG	Ex	Restaurant_post2020	Griddle	1,623.84	1,623.52	1,622.24	1,621.94	1,622.02	1,621.65
UEC	SDGE	NG	Ex	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_post2020	Other_Cooking	1,491.12	1,490.82	1,489.65	1,489.37	1,489.44	1,489.10
UEC	SDGE	NG	Ex	Restaurant_post2020	Space_Heat	181.31	181.28	181.14	181.10	181.11	181.07
UEC	SDGE	NG	Ex	Restaurant_post2020	Water_Heat	1,378.65	1,378.38	1,377.29	1,377.04	1,377.10	1,376.79
UEC	SDGE	NG	Ex	Restaurant_pre2021	AC_Compressor	312.18	312.11	311.87	311.81	311.83	311.75
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cook_top	1,980.08	1,979.69	1,978.13	1,977.76	1,977.86	1,977.41
UEC	SDGE	NG	Ex	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Fryer	1,656.95	1,656.62	1,655.32	1,655.01	1,655.09	1,654.71

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Variable	Region	Fuel	Existing/Net	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	Ex	Restaurant_pre2021	Griddle	1,493.57	1,493.28	1,492.10	1,491.82	1,491.89	1,491.56
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Restaurant_pre2021	Other_Cooking	1,491.12	1,490.82	1,489.65	1,489.37	1,489.44	1,489.10
UEC	SDGE	NG	Ex	Restaurant_pre2021	Space_Heat	181.31	181.28	181.14	181.10	181.11	181.07
UEC	SDGE	NG	Ex	Restaurant_pre2021	Water_Heat	1,277.27	1,277.01	1,276.01	1,275.77	1,275.83	1,275.54
UEC	SDGE	NG	Ex	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Cooking	9,704.50	9,703.04	9,697.27	9,695.90	9,696.25	9,694.59
UEC	SDGE	NG	Ex	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Other	103.18	103.17	103.11	103.09	103.10	103.08
UEC	SDGE	NG	Ex	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_post2020	Space_Heat	7,699.87	7,698.71	7,694.13	7,693.04	7,693.32	7,692.00
UEC	SDGE	NG	Ex	Retail_post2020	Water_Heat	3,306.10	3,305.60	3,303.64	3,303.17	3,303.29	3,302.73
UEC	SDGE	NG	Ex	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Cooking	9,704.50	9,703.04	9,697.27	9,695.90	9,696.25	9,694.59
UEC	SDGE	NG	Ex	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Other	106.86	106.84	106.78	106.76	106.77	106.75
UEC	SDGE	NG	Ex	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	Retail_pre2021	Space_Heat	7,699.87	7,698.71	7,694.13	7,693.04	7,693.32	7,692.00
UEC	SDGE	NG	Ex	Retail_pre2021	Water_Heat	3,306.10	3,305.60	3,303.64	3,303.17	3,303.29	3,302.73
UEC	SDGE	NG	Ex	EDUCATION_post2020	AC_Compressor	5,599.25	5,593.84	5,572.44	5,567.38	5,568.68	5,562.55
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cook_top	1,560.17	1,558.66	1,552.70	1,551.29	1,551.65	1,549.94
UEC	SDGE	NG	Ex	EDUCATION_post2020	Cooking	-	-	-	-	-	-

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UEC	SDGE	NG	Ex	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_post2020	Fryer	1,561.59	1,560.08	1,554.12	1,552.71	1,553.07	1,551.36
UEC	SDGE	NG	Ex	EDUCATION_post2020	Griddle	1,561.59	1,560.08	1,554.12	1,552.71	1,553.07	1,551.36
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other	219.90	219.69	218.85	218.65	218.70	218.46
UEC	SDGE	NG	Ex	EDUCATION_post2020	Other_Cooking	1,560.17	1,558.66	1,552.70	1,551.29	1,551.65	1,549.94
UEC	SDGE	NG	Ex	EDUCATION_post2020	Space_Heat	7,915.67	7,908.03	7,877.78	7,870.63	7,872.47	7,863.79
UEC	SDGE	NG	Ex	EDUCATION_post2020	Water_Heat	5,061.28	5,056.39	5,037.05	5,032.48	5,033.65	5,028.11
UEC	SDGE	NG	Ex	EDUCATION_pre2021	AC_Compressor	3,491.77	3,488.39	3,475.05	3,471.90	3,472.71	3,468.88
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cook_top	1,326.85	1,325.57	1,320.50	1,319.30	1,319.61	1,318.15
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Fryer	1,328.90	1,327.62	1,322.54	1,321.34	1,321.65	1,320.19
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Griddle	1,328.90	1,327.62	1,322.54	1,321.34	1,321.65	1,320.19
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other	219.90	219.69	218.85	218.65	218.70	218.46
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Other_Cooking	1,326.85	1,325.57	1,320.50	1,319.30	1,319.61	1,318.15
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Space_Heat	4,322.44	4,318.26	4,301.75	4,297.84	4,298.84	4,294.11
UEC	SDGE	NG	Ex	EDUCATION_pre2021	Water_Heat	7,967.65	7,959.96	7,929.51	7,922.31	7,924.16	7,915.43
UEC	SDGE	NG	New	Agriculture_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Drying	11,062.08	11,054.25	11,023.23	11,015.88	11,017.77	11,008.86
UEC	SDGE	NG	New	Agriculture_post2020	Engine	45,066.90	45,034.98	44,908.60	44,878.67	44,886.36	44,850.09
UEC	SDGE	NG	New	Agriculture_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_post2020	Space_Heat	7,623.65	7,618.25	7,596.87	7,591.80	7,593.10	7,586.97
UEC	SDGE	NG	New	Agriculture_post2020	Water_Heat	10,065.83	10,058.70	10,030.48	10,023.79	10,025.51	10,017.41

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UEC	SDGE	NG	New	Agriculture_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Drying	11,035.93	11,028.11	10,997.16	10,989.83	10,991.72	10,982.83
UEC	SDGE	NG	New	Agriculture_pre2021	Engine	45,066.90	45,034.98	44,908.60	44,878.67	44,886.36	44,850.09
UEC	SDGE	NG	New	Agriculture_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Agriculture_pre2021	Space_Heat	7,623.65	7,618.25	7,596.87	7,591.80	7,593.10	7,586.97
UEC	SDGE	NG	New	Agriculture_pre2021	Water_Heat	10,065.83	10,058.70	10,030.48	10,023.79	10,025.51	10,017.41
UEC	SDGE	NG	New	Health_post2020	AC_Compressor	4,310.94	4,309.34	4,302.99	4,301.48	4,301.87	4,300.05
UEC	SDGE	NG	New	Health_post2020	Cook_top	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Drying	5,527.13	5,525.08	5,516.94	5,515.01	5,515.50	5,513.17
UEC	SDGE	NG	New	Health_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_post2020	Fryer	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_post2020	Griddle	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_post2020	Other	860.34	860.02	858.75	858.45	858.53	858.16
UEC	SDGE	NG	New	Health_post2020	Other_Cooking	997.99	997.61	996.15	995.80	995.89	995.46
UEC	SDGE	NG	New	Health_post2020	Space_Heat	2,597.03	2,596.07	2,592.25	2,591.34	2,591.57	2,590.47
UEC	SDGE	NG	New	Health_post2020	Water_Heat	15,161.74	15,156.10	15,133.78	15,128.49	15,129.85	15,123.43
UEC	SDGE	NG	New	Health_pre2021	AC_Compressor	4,310.94	4,309.34	4,302.99	4,301.48	4,301.87	4,300.05
UEC	SDGE	NG	New	Health_pre2021	Cook_top	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Drying	5,527.13	5,525.08	5,516.94	5,515.01	5,515.50	5,513.17
UEC	SDGE	NG	New	Health_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Health_pre2021	Fryer	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_pre2021	Griddle	9,980.03	9,976.32	9,961.63	9,958.15	9,959.04	9,954.82
UEC	SDGE	NG	New	Health_pre2021	Other	799.82	799.53	798.35	798.07	798.14	797.80

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UEC	SDGE	NG	New	Health_pre2021	Other_Cooking	997.99	997.61	996.15	995.80	995.89	995.46
UEC	SDGE	NG	New	Health_pre2021	Space_Heat	2,597.03	2,596.07	2,592.25	2,591.34	2,591.57	2,590.47
UEC	SDGE	NG	New	Health_pre2021	Water_Heat	15,161.74	15,156.10	15,133.78	15,128.49	15,129.85	15,123.43
UEC	SDGE	NG	New	Laundry_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Drying	17,716.85	17,715.81	17,711.67	17,710.69	17,710.94	17,709.75
UEC	SDGE	NG	New	Laundry_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_post2020	Space_Heat	173.48	173.47	173.43	173.42	173.42	173.41
UEC	SDGE	NG	New	Laundry_post2020	Water_Heat	3,143.55	3,143.37	3,142.63	3,142.46	3,142.50	3,142.29
UEC	SDGE	NG	New	Laundry_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Drying	17,716.85	17,715.81	17,711.67	17,710.69	17,710.94	17,709.75
UEC	SDGE	NG	New	Laundry_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Laundry_pre2021	Space_Heat	173.48	173.47	173.43	173.42	173.42	173.41
UEC	SDGE	NG	New	Laundry_pre2021	Water_Heat	3,143.55	3,143.37	3,142.63	3,142.46	3,142.50	3,142.29
UEC	SDGE	NG	New	Lodging_post2020	AC_Compressor	1,122.54	1,122.04	1,120.09	1,119.63	1,119.74	1,119.18
UEC	SDGE	NG	New	Lodging_post2020	Cook_top	6,339.84	6,337.05	6,326.01	6,323.40	6,324.07	6,320.90
UEC	SDGE	NG	New	Lodging_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Drying	3,403.04	3,401.55	3,395.63	3,394.22	3,394.58	3,392.88
UEC	SDGE	NG	New	Lodging_post2020	Engine	-	-	-	-	-	-

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UEC	SDGE	NG	New	Lodging_post2020	Fryer	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	New	Lodging_post2020	Griddle	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	New	Lodging_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_post2020	Other_Cooking	815.83	815.47	814.05	813.72	813.80	813.39
UEC	SDGE	NG	New	Lodging_post2020	Space_Heat	7,597.49	7,594.15	7,580.93	7,577.80	7,578.60	7,574.80
UEC	SDGE	NG	New	Lodging_post2020	Water_Heat	15,022.53	15,015.93	14,989.78	14,983.58	14,985.18	14,977.66
UEC	SDGE	NG	New	Lodging_pre2021	AC_Compressor	1,122.54	1,122.04	1,120.09	1,119.63	1,119.74	1,119.18
UEC	SDGE	NG	New	Lodging_pre2021	Cook_top	6,339.84	6,337.05	6,326.01	6,323.40	6,324.07	6,320.90
UEC	SDGE	NG	New	Lodging_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Drying	3,403.04	3,401.55	3,395.63	3,394.22	3,394.58	3,392.88
UEC	SDGE	NG	New	Lodging_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Fryer	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	New	Lodging_pre2021	Griddle	8,254.93	8,251.30	8,236.93	8,233.52	8,234.40	8,230.27
UEC	SDGE	NG	New	Lodging_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Lodging_pre2021	Other_Cooking	815.83	815.47	814.05	813.72	813.80	813.39
UEC	SDGE	NG	New	Lodging_pre2021	Space_Heat	7,597.49	7,594.15	7,580.93	7,577.80	7,578.60	7,574.80
UEC	SDGE	NG	New	Lodging_pre2021	Water_Heat	13,862.69	13,856.59	13,832.47	13,826.75	13,828.22	13,821.28
UEC	SDGE	NG	New	Misc_post2020	AC_Compressor	4,036.44	4,033.94	4,024.08	4,021.75	4,022.35	4,019.51
UEC	SDGE	NG	New	Misc_post2020	Cook_top	2,648.21	2,646.57	2,640.10	2,638.57	2,638.96	2,637.11
UEC	SDGE	NG	New	Misc_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_post2020	Engine	80,401.01	80,351.40	80,154.94	80,108.41	80,120.36	80,063.96
UEC	SDGE	NG	New	Misc_post2020	Fryer	1,302.90	1,302.09	1,298.91	1,298.15	1,298.35	1,297.43
UEC	SDGE	NG	New	Misc_post2020	Griddle	1,775.50	1,774.40	1,770.06	1,769.03	1,769.30	1,768.05
UEC	SDGE	NG	New	Misc_post2020	Other	276.29	276.12	275.45	275.29	275.33	275.13
UEC	SDGE	NG	New	Misc_post2020	Other_Cooking	1,243.10	1,242.33	1,239.29	1,238.57	1,238.76	1,237.88
UEC	SDGE	NG	New	Misc_post2020	Space_Heat	4,306.95	4,304.30	4,293.77	4,291.28	4,291.92	4,288.90
UEC	SDGE	NG	New	Misc_post2020	Water_Heat	3,483.70	3,481.55	3,473.04	3,471.02	3,471.54	3,469.10
UEC	SDGE	NG	New	Misc_pre2021	AC_Compressor	3,155.21	3,153.26	3,145.55	3,143.73	3,144.20	3,141.98
UEC	SDGE	NG	New	Misc_pre2021	Cook_top	1,768.20	1,767.11	1,762.79	1,761.77	1,762.03	1,760.79

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UEC	SDGE	NG	New	Misc_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Misc_pre2021	Engine	80,641.83	80,592.06	80,395.02	80,348.35	80,360.34	80,303.76
UEC	SDGE	NG	New	Misc_pre2021	Fryer	1,706.20	1,705.14	1,700.97	1,699.99	1,700.24	1,699.04
UEC	SDGE	NG	New	Misc_pre2021	Griddle	1,751.22	1,750.14	1,745.86	1,744.85	1,745.11	1,743.88
UEC	SDGE	NG	New	Misc_pre2021	Other	219.46	219.33	218.79	218.67	218.70	218.54
UEC	SDGE	NG	New	Misc_pre2021	Other_Cooking	1,709.86	1,708.81	1,704.63	1,703.64	1,703.89	1,702.69
UEC	SDGE	NG	New	Misc_pre2021	Space_Heat	5,914.84	5,911.19	5,896.74	5,893.31	5,894.19	5,890.04
UEC	SDGE	NG	New	Misc_pre2021	Water_Heat	3,580.02	3,577.81	3,569.06	3,566.99	3,567.52	3,565.01
UEC	SDGE	NG	New	Office_post2020	AC_Compressor	2,358.96	2,356.76	2,348.04	2,345.98	2,346.51	2,344.01
UEC	SDGE	NG	New	Office_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Cooking	779.99	779.26	776.38	775.69	775.87	775.04
UEC	SDGE	NG	New	Office_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Other	201.90	201.71	200.97	200.79	200.83	200.62
UEC	SDGE	NG	New	Office_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_post2020	Space_Heat	7,053.31	7,046.73	7,020.68	7,014.51	7,016.10	7,008.63
UEC	SDGE	NG	New	Office_post2020	Water_Heat	1,029.09	1,028.13	1,024.33	1,023.43	1,023.66	1,022.57
UEC	SDGE	NG	New	Office_pre2021	AC_Compressor	2,358.96	2,356.76	2,348.04	2,345.98	2,346.51	2,344.01
UEC	SDGE	NG	New	Office_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Cooking	779.99	779.26	776.38	775.69	775.87	775.04
UEC	SDGE	NG	New	Office_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Other	177.53	177.37	176.71	176.55	176.59	176.41
UEC	SDGE	NG	New	Office_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Office_pre2021	Space_Heat	6,855.20	6,848.80	6,823.48	6,817.49	6,819.03	6,811.77

San Diego Gas & Electric Company
Commercial Portion of GN-3 UEC's
Table C Comm-11

Variable	Region	Fuel	Existing/New	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	New	Office_pre2021	Water_Heat	1,029.09	1,028.13	1,024.33	1,023.43	1,023.66	1,022.57
UEC	SDGE	NG	New	Restaurant_post2020	AC_Compressor	312.18	312.11	311.87	311.81	311.83	311.75
UEC	SDGE	NG	New	Restaurant_post2020	Cook_top	2,152.79	2,152.36	2,150.66	2,150.26	2,150.37	2,149.88
UEC	SDGE	NG	New	Restaurant_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Fryer	1,795.55	1,795.19	1,793.78	1,793.44	1,793.53	1,793.12
UEC	SDGE	NG	New	Restaurant_post2020	Griddle	1,623.84	1,623.52	1,622.24	1,621.94	1,622.02	1,621.65
UEC	SDGE	NG	New	Restaurant_post2020	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_post2020	Other_Cooking	1,491.12	1,490.82	1,489.65	1,489.37	1,489.44	1,489.10
UEC	SDGE	NG	New	Restaurant_post2020	Space_Heat	181.31	181.28	181.14	181.10	181.11	181.07
UEC	SDGE	NG	New	Restaurant_post2020	Water_Heat	1,378.65	1,378.38	1,377.29	1,377.04	1,377.10	1,376.79
UEC	SDGE	NG	New	Restaurant_pre2021	AC_Compressor	312.18	312.11	311.87	311.81	311.83	311.75
UEC	SDGE	NG	New	Restaurant_pre2021	Cook_top	1,980.08	1,979.69	1,978.13	1,977.76	1,977.86	1,977.41
UEC	SDGE	NG	New	Restaurant_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Fryer	1,656.95	1,656.62	1,655.32	1,655.01	1,655.09	1,654.71
UEC	SDGE	NG	New	Restaurant_pre2021	Griddle	1,493.57	1,493.28	1,492.10	1,491.82	1,491.89	1,491.56
UEC	SDGE	NG	New	Restaurant_pre2021	Other	-	-	-	-	-	-
UEC	SDGE	NG	New	Restaurant_pre2021	Other_Cooking	1,491.12	1,490.82	1,489.65	1,489.37	1,489.44	1,489.10
UEC	SDGE	NG	New	Restaurant_pre2021	Space_Heat	181.31	181.28	181.14	181.10	181.11	181.07
UEC	SDGE	NG	New	Restaurant_pre2021	Water_Heat	1,277.27	1,277.01	1,276.01	1,275.77	1,275.83	1,275.54
UEC	SDGE	NG	New	Retail_post2020	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Cooking	9,704.50	9,703.04	9,697.27	9,695.90	9,696.25	9,694.59
UEC	SDGE	NG	New	Retail_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Griddle	-	-	-	-	-	-

San Diego Gas & Electric Company
Commercial Portion of GN-3 UEC's
Table C Comm-11

Variable	Region	Fuel	Existing/New	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	New	Retail_post2020	Other	103.18	103.17	103.11	103.09	103.10	103.08
UEC	SDGE	NG	New	Retail_post2020	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_post2020	Space_Heat	7,699.87	7,698.71	7,694.13	7,693.04	7,693.32	7,692.00
UEC	SDGE	NG	New	Retail_post2020	Water_Heat	3,306.10	3,305.60	3,303.64	3,303.17	3,303.29	3,302.73
UEC	SDGE	NG	New	Retail_pre2021	AC_Compressor	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cook_top	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Cooking	9,704.50	9,703.04	9,697.27	9,695.90	9,696.25	9,694.59
UEC	SDGE	NG	New	Retail_pre2021	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Fryer	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Griddle	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Other	106.86	106.84	106.78	106.76	106.77	106.75
UEC	SDGE	NG	New	Retail_pre2021	Other_Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	Retail_pre2021	Space_Heat	7,699.87	7,698.71	7,694.13	7,693.04	7,693.32	7,692.00
UEC	SDGE	NG	New	Retail_pre2021	Water_Heat	3,306.10	3,305.60	3,303.64	3,303.17	3,303.29	3,302.73
UEC	SDGE	NG	New	EDUCATION_post2020	AC_Compressor	5,599.25	5,593.84	5,572.44	5,567.38	5,568.68	5,562.55
UEC	SDGE	NG	New	EDUCATION_post2020	Cook_top	1,560.17	1,558.66	1,552.70	1,551.29	1,551.65	1,549.94
UEC	SDGE	NG	New	EDUCATION_post2020	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Drying	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_post2020	Fryer	1,561.59	1,560.08	1,554.12	1,552.71	1,553.07	1,551.36
UEC	SDGE	NG	New	EDUCATION_post2020	Griddle	1,561.59	1,560.08	1,554.12	1,552.71	1,553.07	1,551.36
UEC	SDGE	NG	New	EDUCATION_post2020	Other	219.90	219.69	218.85	218.65	218.70	218.46
UEC	SDGE	NG	New	EDUCATION_post2020	Other_Cooking	1,560.17	1,558.66	1,552.70	1,551.29	1,551.65	1,549.94
UEC	SDGE	NG	New	EDUCATION_post2020	Space_Heat	7,915.67	7,908.03	7,877.78	7,870.63	7,872.47	7,863.79
UEC	SDGE	NG	New	EDUCATION_post2020	Water_Heat	5,061.28	5,056.39	5,037.05	5,032.48	5,033.65	5,028.11
UEC	SDGE	NG	New	EDUCATION_pre2021	AC_Compressor	3,491.77	3,488.39	3,475.05	3,471.90	3,472.71	3,468.88
UEC	SDGE	NG	New	EDUCATION_pre2021	Cook_top	1,326.85	1,325.57	1,320.50	1,319.30	1,319.61	1,318.15
UEC	SDGE	NG	New	EDUCATION_pre2021	Cooking	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Drying	-	-	-	-	-	-

San Diego Gas & Electric Company
Commercial Portion of GN-3 UEC's
Table C Comm-11

Variable	Region	Fuel	Existing/New	Segments	End Use	2035	2036	2037	2038	2039	2040
UEC	SDGE	NG	New	EDUCATION_pre2021	Engine	-	-	-	-	-	-
UEC	SDGE	NG	New	EDUCATION_pre2021	Fryer	1,328.90	1,327.62	1,322.54	1,321.34	1,321.65	1,320.19
UEC	SDGE	NG	New	EDUCATION_pre2021	Griddle	1,328.90	1,327.62	1,322.54	1,321.34	1,321.65	1,320.19
UEC	SDGE	NG	New	EDUCATION_pre2021	Other	219.90	219.69	218.85	218.65	218.70	218.46
UEC	SDGE	NG	New	EDUCATION_pre2021	Other_Cooking	1,326.85	1,325.57	1,320.50	1,319.30	1,319.61	1,318.15
UEC	SDGE	NG	New	EDUCATION_pre2021	Space_Heat	4,322.44	4,318.26	4,301.75	4,297.84	4,298.84	4,294.11
UEC	SDGE	NG	New	EDUCATION_pre2021	Water_Heat	7,967.65	7,959.96	7,929.51	7,922.31	7,924.16	7,915.43

San Diego Gas & Electric Company
Nominal and Real Gas Rates Forecast (\$/therm)
Table C Comm-12

	Real Rate (Commodity + Transportation)
2023 \$	1.47
2024 \$	1.32
2025 \$	1.28
2026 \$	1.51
2027 \$	1.47
2028 \$	1.48
2029 \$	1.42
2030 \$	1.38
2031 \$	1.35
2032 \$	1.35
2033 \$	1.37
2034 \$	1.38
2035 \$	1.36
2036 \$	1.37
2037 \$	1.39
2038 \$	1.39
2039 \$	1.39
2040 \$	1.40

INDUSTRIAL

Core Industrial End-Use Model Description

Introduction:

SDG&E used the Navigator end-use model to generate annual gas demand forecasts for the Core Industrial GN-3 market. The model's market segmentation description and end-use modeling framework are presented in the previous sections of the SDG&E workpapers.

The SDG&E Core Industrial segmentation contains the following 8 types:

Food & Beverage Manufacturing

Textiles

Chemicals

Petroleum Products

Primary Metals

Fabricated Metals

Transportation Equipment

Miscellaneous

In this CGR, the segments for Mining, Wood and Paper, Stone, Clay, and Glass were combined into "Miscellaneous".

There are two vintages, same as Residential and Core Commercial markets, "Old" and "New". The "Old" describes existing customers (established prior to the year 2021) whereas "New" describes the new meter hookups (established in year 2021 and beyond).

The Core Industrial model identifies 9 end-uses that are the primary drivers of natural gas demand. These are:

Space Heating

Water Heating

Drying

Engine

AC Compressor

Fire-tube Boiler

Water-tube Boiler

Furnace/Oven/Kiln

Other/Miscellaneous

A set of post-model adjustments were applied to the Navigator end-use model’s Core Industrial annual demand forecasts in the same way as described in the Core Commercial market. These post-model adjustments included the weather-related adjustments, Energy Efficiency, and AAFS Scenario 3 Programmatic Savings. The annual forecasts were also distributed into monthly forecasts by applying estimated monthly consumption shares in the annual consumption.

Data Sources and Tables:

The data used to populate the Navigator model parameter template and used to generate the forecasts includes historical base year consumption and customer counts, price elasticities, gas rates forecasts, historical and forecasted account counts, saturation, fuel shares, and unit energy consumption (UEC) values.

The following tables in this section are labelled with the prefix “CoreInd-” to distinguish them from the tables in other sections. Tables 1-4 illustrate the Core Industrial monthly forecasts under each of the weather design scenarios (Average, Cold, Hot and Base). Table 5 contains the annual post-model adjustments. The historical 2023 data is in Table 6. Tables 7-15 show accounts, units, saturations, gas real rates forecasts, fuel shares and UECs.

San Diego Gas and Electric Company
Core Industrial Demand Forecast (Mdth)
Average Temperature
Table CoreInd-1

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	149	129	140	136	116	119	111	104	103	109	121	135	1,472
2024	150	130	141	137	117	121	112	105	104	110	122	136	1,485
2025	150	130	141	137	117	120	112	104	104	110	122	136	1,482
2026	145	125	136	132	113	116	108	101	100	106	118	131	1,431
2027	144	125	135	132	113	116	108	101	100	106	118	131	1,428
2028	143	124	134	131	112	115	107	100	99	105	117	129	1,417
2029	143	124	134	130	112	115	107	100	99	105	117	129	1,415
2030	142	123	134	130	112	115	107	100	99	105	116	129	1,412
2031	142	123	133	130	111	115	107	100	99	105	116	128	1,408
2032	140	122	132	129	111	114	106	99	98	104	115	127	1,398
2033	139	121	131	128	110	113	105	98	98	103	114	126	1,386
2034	138	120	130	127	109	113	104	98	97	103	113	125	1,376
2035	137	119	129	126	108	112	104	97	97	102	113	124	1,370
2036	136	118	129	126	108	112	104	97	96	102	112	123	1,362
2037	135	117	127	125	107	111	103	96	96	101	111	122	1,351
2038	134	116	127	124	106	110	102	96	95	101	111	121	1,343
2039	133	116	126	123	106	110	102	95	95	100	110	121	1,336
2040	132	115	125	122	105	109	101	95	94	100	109	120	1,328

San Diego Gas and Electric Company
Core Industrial Demand Forecast (Mdth)
Cold Temperature
Table CoreInd-2

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	160	139	147	140	118	120	111	104	103	110	126	147	1,525
2024	161	140	149	141	119	121	112	105	104	111	127	148	1,538
2025	161	140	148	141	119	121	112	104	104	111	127	147	1,534
2026	155	135	143	136	115	117	108	101	100	107	123	142	1,483
2027	155	134	143	136	115	116	108	101	100	107	122	142	1,480
2028	154	133	142	135	114	116	107	100	100	106	122	141	1,468
2029	153	133	141	135	114	116	107	100	99	106	121	140	1,467
2030	153	133	141	135	114	115	107	100	99	106	121	140	1,463
2031	152	132	141	134	113	115	107	100	99	106	121	139	1,459
2032	151	131	140	133	113	114	106	99	99	105	120	138	1,449
2033	150	130	138	132	112	114	105	98	98	104	119	137	1,436
2034	149	129	137	131	111	113	104	98	97	104	118	136	1,426
2035	148	128	137	131	111	112	104	97	97	103	118	135	1,421
2036	147	127	136	130	110	112	104	97	96	103	117	134	1,412
2037	146	126	135	129	109	111	103	96	96	102	116	133	1,401
2038	145	125	134	128	108	111	102	96	95	101	115	132	1,393
2039	144	125	133	127	108	110	102	95	95	101	115	131	1,386
2040	143	124	132	127	107	109	101	95	94	100	114	130	1,377

San Diego Gas and Electric Company
Core Industrial Demand Forecast (Mdth)
Hot Temperature
Table CoreInd-3

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	138	119	132	131	114	119	111	104	103	108	117	124	1,419
2024	139	121	133	132	115	120	112	105	104	109	118	125	1,433
2025	139	120	133	132	115	120	112	104	104	109	117	125	1,430
2026	134	116	128	127	111	116	108	101	100	105	113	120	1,379
2027	133	115	128	127	111	116	108	101	100	105	113	119	1,376
2028	132	114	127	126	110	115	107	100	99	104	112	118	1,365
2029	132	114	126	126	110	115	107	100	99	104	112	118	1,364
2030	131	114	126	126	109	115	107	100	99	104	112	118	1,361
2031	131	113	126	125	109	114	107	100	99	104	111	117	1,356
2032	130	112	125	125	108	114	106	99	98	103	111	116	1,347
2033	128	111	124	123	108	113	105	98	98	103	109	115	1,335
2034	127	110	123	123	107	112	104	98	97	102	109	114	1,325
2035	127	110	122	122	106	112	104	97	97	102	108	113	1,320
2036	126	109	121	121	106	111	104	97	96	101	108	112	1,312
2037	125	108	120	120	105	110	103	96	96	100	107	111	1,301
2038	124	107	119	120	104	110	102	96	95	100	106	111	1,294
2039	123	106	119	119	104	109	102	95	95	99	105	110	1,287
2040	122	106	118	118	103	109	101	95	94	99	105	109	1,279

San Diego Gas and Electric Company
Core Industrial Demand Forecast (Mdth)
Base Temperature
Table CoreInd-4

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	105	94	105	101	105	101	105	105	101	105	101	105	1,231
2024	106	96	106	102	106	102	106	106	102	106	102	106	1,245
2025	106	95	106	102	106	102	106	106	102	106	102	106	1,243
2026	101	91	101	98	101	98	101	101	98	101	98	101	1,193
2027	101	91	101	98	101	98	101	101	98	101	98	101	1,191
2028	100	90	100	97	100	97	100	100	97	100	97	100	1,180
2029	100	90	100	97	100	97	100	100	97	100	97	100	1,180
2030	100	90	100	97	100	97	100	100	97	100	97	100	1,178
2031	100	90	100	96	100	97	100	100	97	100	97	100	1,174
2032	99	89	99	96	99	96	99	99	96	99	96	99	1,166
2033	98	88	98	95	98	95	98	98	95	98	95	98	1,155
2034	97	88	97	94	97	94	97	98	94	97	94	97	1,146
2035	97	87	97	94	97	94	97	97	94	97	94	97	1,141
2036	96	87	96	93	96	93	96	97	93	96	93	96	1,134
2037	95	86	95	92	96	92	96	96	93	96	92	95	1,124
2038	95	85	95	92	95	92	95	95	92	95	92	95	1,117
2039	94	85	94	91	94	91	95	95	92	95	91	94	1,111
2040	93	84	94	90	94	91	94	94	91	94	91	94	1,104

San Diego Gas and Electric Company
Core Industrial GN-3
Out-Of-Model Adjustments (Mdt)
Table CoreInd-5

Year	Climate Change	EE/AAFS	TOTAL
2023	0.0	0.0	0.0
2024	-1.2	-1.1	-2.4
2025	-2.4	-2.5	-4.9
2026	-3.7	-3.9	-7.5
2027	-4.9	-5.6	-10.4
2028	-6.0	-7.3	-13.4
2029	-7.2	-9.2	-16.4
2030	-8.4	-11.1	-19.5
2031	-9.5	-13.1	-22.6
2032	-10.7	-15.0	-25.7
2033	-11.8	-17.0	-28.8
2034	-13.0	-17.8	-30.8
2035	-14.1	-18.5	-32.6
2036	-15.2	-19.2	-34.4
2037	-16.3	-19.8	-36.0
2038	-17.4	-20.3	-37.7
2039	-18.5	-21.0	-39.5
2040	-19.5	-21.7	-41.3

San Diego Gas and Electric Company
Core Industrial GN-3
Base Year Throughput and Customer Counts
Table CoreInd-6

Business Type	2023 Weather- adjusted Therm Sales	2023 Meter Count	2023 Meter Count of Existing customers	2023 Meter Count of New Customers	Avg Use Per Meter of Existing Customers	Avg Use Per Meter of New Customers	Price Elasticity
Food	2,414,630	292	285	7	8,413	2,399	-0.06940
Textile	30,433	19	19	0	1,602	0	-0.05208
Chemical	2,870,263	79	78	1	36,645	11,978	-0.05606
Petroleum	2,223	1	1	0	2,223	0	-0.33245
Prim_Metal	444,324	9	9	0	49,369	0	-0.37233
Fab_Metal	880,860	124	124	0	7,104	0	-0.15666
Transport	2,002,505	69	66	3	30,201	3,071	-0.31742
Misc	6,075,325	504	496	8	12,143	6,557	-0.15160
Total	14,720,562	1,097					

Note: There are 8 core industrial business types in CGR2024 while there were 11 in CGR2022 as a result of collapsing three small segments into the miscellaneous one.

San Diego Gas and Electric Company
Core Industrial GN-3
Accounts
Table CoreInd-7

Segment ID	2023	2024	2025	2026	2027	2028	2029	2030	2031
Chemical_new	1	2	4	5	6	7	9	10	11
Chemical_old	78	76	74	73	71	69	67	65	64
Fab_Metal_new	0	0	0	0	0	0	0	0	0
Fab_Metal_old	124	120	116	112	109	105	101	97	93
Food_new	7	8	9	10	11	12	13	14	15
Food_old	285	279	272	266	260	254	247	241	235
Misc_new	8	16	24	32	40	48	56	64	72
Misc_old	496	484	473	462	451	440	429	418	407
Petroleum_new	0	0	0	0	0	0	0	0	0
Petroleum_old	1	1	1	1	1	1	1	1	1
Prim_Metal_new	0	0	0	0	0	0	0	0	0
Prim_Metal_old	9	9	9	8	8	8	8	7	7
Textile_new	0	0	0	0	0	0	0	0	0
Textile_old	19	19	19	19	19	19	19	19	19
Transport_new	3	3	3	3	3	3	3	3	3
Transport_old	66	68	71	73	76	78	81	83	86

Note: For each business segment in the above and following tables in this section, there is a postfix that "_old" refers to the vintage on and before 2020 while "_new" refers to the vintage after 2020.

San Diego Gas and Electric Company
Core Industrial GN-3
Accounts
Table CoreInd-7 (Cont.)

Segment ID	2032	2033	2034	2035	2036	2037	2038	2039	2040
Chemical_new	12	14	15	16	17	19	20	21	22
Chemical_old	62	60	58	56	55	53	51	49	47
Fab_Metal_new	0	0	0	0	0	0	0	0	0
Fab_Metal_old	89	86	82	78	74	70	66	63	59
Food_new	16	17	18	19	20	21	22	23	24
Food_old	228	222	216	209	203	197	191	184	178
Misc_new	80	88	96	104	112	120	128	136	144
Misc_old	396	386	375	365	355	345	335	325	315
Petroleum_new	0	0	0	0	0	0	0	0	0
Petroleum_old	1	1	1	1	1	1	1	1	1
Prim_Metal_new	0	0	0	0	0	0	0	0	0
Prim_Metal_old	7	7	6	6	6	6	5	5	5
Textile_new	0	0	0	0	0	0	0	0	0
Textile_old	19	19	19	19	19	19	19	19	19
Transport_new	3	3	3	3	3	3	3	3	3
Transport_old	88	90	93	95	98	100	103	105	108

San Diego Gas and Electric Company
Core Industrial GN-3
Units
Table CoreInd-8

Segment ID	Units
Chemical_new	1
Chemical_old	78
Fab_Metal_new	0
Fab_Metal_old	124
Food_new	7
Food_old	285
Misc_new	8
Misc_old	496
Petroleum_new	0
Petroleum_old	1
Prim_Metal_new	0
Prim_Metal_old	9
Textile_new	0
Textile_old	19
Transport_new	3
Transport_old	66

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of Existing Customers
Table CoreInd-9

[illegible]

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of Existing Customers
Table CoreInd-9 (Cont.)

[illegible]

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of Existing Customers
Table CoreInd-9 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Prim_Metal_old	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Prim_Metal_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Textile_new	AC	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Textile_new	Drying	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Fire_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_new	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_new	Space_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Textile_new	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Textile_new	Water_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_old	AC	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Textile_old	Drying	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Fire_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_old	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_old	Space_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Textile_old	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Textile_old	Water_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Transport_new	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Transport_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Transport_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Transport_new	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_new	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_old	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Transport_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Transport_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Transport_old	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_old	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_old	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of New Customers
Table CoreInd-10

[illegible]

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of New Customers
Table CoreInd-10 (Cont.)

Segments		End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Food_old		Water_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Food_old		Water_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Misc_new		AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Misc_new		Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Misc_new		Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Misc_new		Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Misc_new		Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Misc_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_new		Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Misc_new		Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Misc_new		Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Misc_old		AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Misc_old		Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Misc_old		Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Misc_old		Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Misc_old		Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Misc_old		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_old		Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Misc_old		Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Misc_old		Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Petroleum_new		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_new		Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Petroleum_new		Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Petroleum_new		Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Petroleum_new		Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Petroleum_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_new		Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Petroleum_new		Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Petroleum_new		Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Petroleum_old		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_old		Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Petroleum_old		Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Petroleum_old		Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Petroleum_old		Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Petroleum_old		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_old		Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Petroleum_old		Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Petroleum_old		Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Prim_Metal_new		AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Prim_Metal_new		Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Prim_Metal_new		Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_new		Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Prim_Metal_new		Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Prim_Metal_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_new		Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Prim_Metal_new		Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Prim_Metal_new		Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Prim_Metal_old		AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Prim_Metal_old		Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Prim_Metal_old		Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_old		Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Prim_Metal old		Furnace Oven Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

San Diego Gas and Electric Company
Core Industrial GN-3
Saturation of New Customers
Table CoreInd-10 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Prim_Metal_old	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Prim_Metal_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Textile_new	AC	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Textile_new	Drying	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Fire_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_new	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_new	Space_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Textile_new	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Textile_new	Water_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_old	AC	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Textile_old	Drying	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Fire_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Textile_old	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_old	Space_Heat	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Textile_old	Water_Heat	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Textile_old	Water_Tube_Boiler	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Transport_new	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Transport_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Transport_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Transport_new	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_new	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_old	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Transport_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Transport_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Transport_old	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Transport_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_old	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Transport_old	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of Existing Customers
Table CoreInd-11

[illegible]

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of Existing Customers
Table CoreInd-11 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Food_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Food_old	Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misc_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Misc_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Misc_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Misc_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Misc_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Misc_new	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Misc_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misc_old	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Misc_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Misc_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Misc_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Misc_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_old	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Misc_old	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Petroleum_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_new	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Petroleum_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Petroleum_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Petroleum_new	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Petroleum_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Petroleum_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Petroleum_new	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Petroleum_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_old	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Petroleum_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Petroleum_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Petroleum_old	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Petroleum_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Petroleum_old	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Petroleum_old	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Prim_Metal_new	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Prim_Metal_new	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Prim_Metal_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_new	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Prim_Metal_new	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Prim_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Prim_Metal_new	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Prim_Metal_new	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Prim_Metal_old	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Prim_Metal_old	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Prim_Metal_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_old	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Prim_Metal_old	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of Existing Customers
Table CoreInd-11 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_new	Space_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_old	Space_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_old	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Transport_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of New Customers
Table CoreInd-12

[illegible]

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of New Customers
Table CoreInd-12 (Cont.)

Segments		End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Food_old		Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Food_old		Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_new		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misc_new		Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Misc_new		Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Misc_new		Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Misc_new		Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Misc_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_new		Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_new		Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Misc_new		Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Misc_old		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Misc_old		Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Misc_old		Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Misc_old		Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Misc_old		Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Misc_old		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Misc_old		Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Misc_old		Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Misc_old		Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Petroleum_new		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_new		Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Petroleum_new		Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Petroleum_new		Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Petroleum_new		Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Petroleum_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_new		Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Petroleum_new		Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Petroleum_new		Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Petroleum_old		AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum_old		Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Petroleum_old		Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Petroleum_old		Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Petroleum_old		Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Petroleum_old		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Petroleum_old		Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Petroleum_old		Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Petroleum_old		Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Prim_Metal_new		AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Prim_Metal_new		Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Prim_Metal_new		Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_new		Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Prim_Metal_new		Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Prim_Metal_new		Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_new		Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Prim_Metal_new		Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Prim_Metal_new		Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Prim_Metal_old		AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Prim_Metal_old		Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Prim_Metal_old		Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prim_Metal_old		Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Prim_Metal old		Furnace Oven Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49

San Diego Gas and Electric Company
Core Industrial GN-3
Gas Fuel Market Shares of New Customers
Table CoreInd-12 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_new	Space_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Textile_old	Space_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Transport_old	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Transport_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Chemical_new	AC	949	955	957	947	949	948	950	952	953
Chemical_new	Drying	15,480	15,572	15,597	15,437	15,465	15,459	15,492	15,517	15,537
Chemical_new	Engine	433	435	436	431	432	432	433	434	434
Chemical_new	Fire_Tube_Boiler	685,562	689,612	690,707	683,656	684,857	684,596	686,073	687,186	688,061
Chemical_new	Furnace_Oven_Kiln	347,829	349,884	350,439	346,862	347,471	347,339	348,088	348,653	349,097
Chemical_new	Other	142	143	143	141	142	142	142	142	142
Chemical_new	Space_Heat	20,348	20,468	20,501	20,292	20,327	20,319	20,363	20,396	20,422
Chemical_new	Water_Heat	15,949	16,043	16,069	15,905	15,933	15,927	15,961	15,987	16,007
Chemical_new	Water_Tube_Boiler	385,713	387,992	388,607	384,641	385,316	385,169	386,000	386,627	387,119
Chemical_old	AC	949	955	957	947	949	948	950	952	953
Chemical_old	Drying	15,480	15,572	15,597	15,437	15,465	15,459	15,492	15,517	15,537
Chemical_old	Engine	433	435	436	431	432	432	433	434	434
Chemical_old	Fire_Tube_Boiler	685,562	689,612	690,707	683,656	684,857	684,596	686,073	687,186	688,061
Chemical_old	Furnace_Oven_Kiln	347,829	349,884	350,439	346,862	347,471	347,339	348,088	348,653	349,097
Chemical_old	Other	142	143	143	141	142	142	142	142	142
Chemical_old	Space_Heat	20,348	20,468	20,501	20,292	20,327	20,319	20,363	20,396	20,422
Chemical_old	Water_Heat	15,949	16,043	16,069	15,905	15,933	15,927	15,961	15,987	16,007
Chemical_old	Water_Tube_Boiler	385,713	387,992	388,607	384,641	385,316	385,169	386,000	386,627	387,119
Fab_Metal_new	AC	899	914	918	892	896	895	901	905	908
Fab_Metal_new	Drying	8,997	9,145	9,186	8,924	8,967	8,958	9,012	9,053	9,085
Fab_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_new	Fire_Tube_Boiler	94,478	96,038	96,464	93,712	94,172	94,072	94,639	95,068	95,407
Fab_Metal_new	Furnace_Oven_Kiln	325,298	330,668	332,135	322,660	324,243	323,899	325,851	327,329	328,494
Fab_Metal_new	Other	103	105	105	102	103	103	103	104	104
Fab_Metal_new	Space_Heat	8,632	8,774	8,813	8,562	8,604	8,595	8,646	8,686	8,717
Fab_Metal_new	Water_Heat	1,891	1,923	1,931	1,876	1,885	1,883	1,895	1,903	1,910
Fab_Metal_new	Water_Tube_Boiler	92,225	93,748	94,164	91,477	91,926	91,829	92,382	92,801	93,131
Fab_Metal_old	AC	899	914	918	892	896	895	901	905	908
Fab_Metal_old	Drying	8,997	9,145	9,186	8,924	8,967	8,958	9,012	9,053	9,085
Fab_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_old	Fire_Tube_Boiler	94,478	96,038	96,464	93,712	94,172	94,072	94,639	95,068	95,407
Fab_Metal_old	Furnace_Oven_Kiln	325,298	330,668	332,135	322,660	324,243	323,899	325,851	327,329	328,494
Fab_Metal_old	Other	103	105	105	102	103	103	103	104	104
Fab_Metal_old	Space_Heat	8,632	8,774	8,813	8,562	8,604	8,595	8,646	8,686	8,717
Fab_Metal_old	Water_Heat	1,891	1,923	1,931	1,876	1,885	1,883	1,895	1,903	1,910
Fab_Metal_old	Water_Tube_Boiler	92,225	93,748	94,164	91,477	91,926	91,829	92,382	92,801	93,131
Food_new	AC	1,766	1,779	1,783	1,760	1,764	1,763	1,768	1,771	1,774
Food_new	Drying	75,626	76,179	76,329	75,364	75,528	75,493	75,694	75,846	75,966
Food_new	Engine	82,839	83,445	83,609	82,552	82,731	82,693	82,913	83,080	83,211
Food_new	Fire_Tube_Boiler	70,610	71,127	71,267	70,366	70,519	70,486	70,674	70,816	70,928
Food_new	Furnace_Oven_Kiln	55,605	56,012	56,122	55,413	55,533	55,507	55,655	55,767	55,855
Food_new	Other	244	246	247	243	244	244	245	245	245
Food_new	Space_Heat	5,549	5,589	5,600	5,529	5,541	5,539	5,554	5,565	5,573
Food_new	Water_Heat	1,588	1,600	1,603	1,583	1,586	1,585	1,590	1,593	1,595
Food_new	Water_Tube_Boiler	16,719	16,841	16,874	16,661	16,697	16,689	16,734	16,767	16,794
Food_old	AC	1,766	1,779	1,783	1,760	1,764	1,763	1,768	1,771	1,774
Food_old	Drying	75,626	76,179	76,329	75,364	75,528	75,493	75,694	75,846	75,966
Food_old	Engine	82,839	83,445	83,609	82,552	82,731	82,693	82,913	83,080	83,211
Food_old	Fire_Tube_Boiler	70,610	71,127	71,267	70,366	70,519	70,486	70,674	70,816	70,928
Food_old	Furnace_Oven_Kiln	55,605	56,012	56,122	55,413	55,533	55,507	55,655	55,767	55,855
Food_old	Other	244	246	247	243	244	244	245	245	245
Food_old	Space_Heat	5,549	5,589	5,600	5,529	5,541	5,539	5,554	5,565	5,573

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Food_old	Water_Heat	1,588	1,600	1,603	1,583	1,586	1,585	1,590	1,593	1,595
Food_old	Water_Tube_Boiler	16,719	16,841	16,874	16,661	16,697	16,689	16,734	16,767	16,794
Misc_new	AC	4,426	4,497	4,517	4,392	4,413	4,408	4,434	4,453	4,469
Misc_new	Drying	117,540	119,418	119,930	116,620	117,173	117,053	117,736	118,252	118,660
Misc_new	Engine	27,360	27,797	27,917	27,146	27,275	27,247	27,406	27,526	27,621
Misc_new	Fire_Tube_Boiler	97,579	99,138	99,563	96,815	97,275	97,175	97,741	98,170	98,508
Misc_new	Furnace_Oven_Kiln	596,219	605,744	608,344	591,551	594,360	593,748	597,212	599,833	601,899
Misc_new	Other	68	69	69	67	67	67	68	68	68
Misc_new	Space_Heat	12,642	12,844	12,899	12,543	12,603	12,590	12,663	12,719	12,763
Misc_new	Water_Heat	3,712	3,771	3,788	3,683	3,700	3,697	3,718	3,735	3,747
Misc_new	Water_Tube_Boiler	65,601	66,648	66,935	65,087	65,396	65,329	65,710	65,998	66,225
Misc_old	AC	4,426	4,497	4,517	4,392	4,413	4,408	4,434	4,453	4,469
Misc_old	Drying	117,540	119,418	119,930	116,620	117,173	117,053	117,736	118,252	118,660
Misc_old	Engine	27,360	27,797	27,917	27,146	27,275	27,247	27,406	27,526	27,621
Misc_old	Fire_Tube_Boiler	97,579	99,138	99,563	96,815	97,275	97,175	97,741	98,170	98,508
Misc_old	Furnace_Oven_Kiln	596,219	605,744	608,344	591,551	594,360	593,748	597,212	599,833	601,899
Misc_old	Other	68	69	69	67	67	67	68	68	68
Misc_old	Space_Heat	12,642	12,844	12,899	12,543	12,603	12,590	12,663	12,719	12,763
Misc_old	Water_Heat	3,712	3,771	3,788	3,683	3,700	3,697	3,718	3,735	3,747
Misc_old	Water_Tube_Boiler	65,601	66,648	66,935	65,087	65,396	65,329	65,710	65,998	66,225
Petroleum_new	AC	0	0	0	0	0	0	0	0	0
Petroleum_new	Drying	65,583	67,880	68,519	64,372	65,042	64,895	65,725	66,358	66,859
Petroleum_new	Engine	482	499	504	473	478	477	483	488	491
Petroleum_new	Fire_Tube_Boiler	7,280	7,535	7,606	7,146	7,220	7,204	7,296	7,366	7,422
Petroleum_new	Furnace_Oven_Kiln	290	301	303	285	288	287	291	294	296
Petroleum_new	Other	0	0	0	0	0	0	0	0	0
Petroleum_new	Space_Heat	75	77	78	73	74	74	75	76	76
Petroleum_new	Water_Heat	101	105	106	99	101	100	102	103	103
Petroleum_new	Water_Tube_Boiler	1,836	1,900	1,918	1,802	1,821	1,817	1,840	1,857	1,872
Petroleum_old	AC	0	0	0	0	0	0	0	0	0
Petroleum_old	Drying	65,583	67,880	68,519	64,372	65,042	64,895	65,725	66,358	66,859
Petroleum_old	Engine	482	499	504	473	478	477	483	488	491
Petroleum_old	Fire_Tube_Boiler	7,280	7,535	7,606	7,146	7,220	7,204	7,296	7,366	7,422
Petroleum_old	Furnace_Oven_Kiln	290	301	303	285	288	287	291	294	296
Petroleum_old	Other	0	0	0	0	0	0	0	0	0
Petroleum_old	Space_Heat	75	77	78	73	74	74	75	76	76
Petroleum_old	Water_Heat	101	105	106	99	101	100	102	103	103
Petroleum_old	Water_Tube_Boiler	1,836	1,900	1,918	1,802	1,821	1,817	1,840	1,857	1,872
Prim_Metal_new	AC	4,478	4,654	4,703	4,384	4,435	4,424	4,487	4,536	4,574
Prim_Metal_new	Drying	1,722	1,790	1,809	1,686	1,706	1,701	1,726	1,744	1,759
Prim_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_new	Fire_Tube_Boiler	11,776	12,238	12,367	11,529	11,663	11,634	11,800	11,928	12,029
Prim_Metal_new	Furnace_Oven_Kiln	940,155	977,041	987,343	920,403	931,136	928,785	942,091	952,246	960,299
Prim_Metal_new	Other	1,827	1,899	1,919	1,789	1,809	1,805	1,831	1,850	1,866
Prim_Metal_new	Space_Heat	3,731	3,878	3,919	3,653	3,696	3,686	3,739	3,779	3,811
Prim_Metal_new	Water_Heat	881	916	925	863	873	871	883	893	900
Prim_Metal_new	Water_Tube_Boiler	37,206	38,666	39,074	36,425	36,849	36,756	37,283	37,685	38,003
Prim_Metal_old	AC	4,478	4,654	4,703	4,384	4,435	4,424	4,487	4,536	4,574
Prim_Metal_old	Drying	1,722	1,790	1,809	1,686	1,706	1,701	1,726	1,744	1,759
Prim_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_old	Fire_Tube_Boiler	11,776	12,238	12,367	11,529	11,663	11,634	11,800	11,928	12,029
Prim_Metal_old	Furnace_Oven_Kiln	940,155	977,041	987,342	920,403	931,136	928,785	942,091	952,246	960,299

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Prim_Metal_old	Other	1,827	1,899	1,919	1,789	1,809	1,805	1,831	1,850	1,866
Prim_Metal_old	Space_Heat	3,731	3,878	3,919	3,653	3,696	3,686	3,739	3,779	3,811
Prim_Metal_old	Water_Heat	881	916	925	863	873	871	883	893	900
Prim_Metal_old	Water_Tube_Boiler	37,206	38,666	39,074	36,425	36,849	36,756	37,283	37,685	38,003
Textile_new	AC	0	0	0	0	0	0	0	0	0
Textile_new	Drying	14,329	14,408	14,429	14,292	14,316	14,310	14,339	14,361	14,378
Textile_new	Engine	0	0	0	0	0	0	0	0	0
Textile_new	Fire_Tube_Boiler	5,370	5,399	5,407	5,356	5,365	5,363	5,374	5,382	5,388
Textile_new	Furnace_Oven_Kiln	4,020	4,042	4,048	4,010	4,016	4,015	4,023	4,029	4,034
Textile_new	Other	0	0	0	0	0	0	0	0	0
Textile_new	Space_Heat	78	79	79	78	78	78	78	78	78
Textile_new	Water_Heat	160	161	161	159	160	160	160	160	160
Textile_new	Water_Tube_Boiler	1,395	1,403	1,405	1,392	1,394	1,393	1,396	1,398	1,400
Textile_old	AC	0	0	0	0	0	0	0	0	0
Textile_old	Drying	14,329	14,408	14,429	14,292	14,316	14,310	14,339	14,361	14,378
Textile_old	Engine	0	0	0	0	0	0	0	0	0
Textile_old	Fire_Tube_Boiler	5,370	5,399	5,407	5,356	5,365	5,363	5,374	5,382	5,388
Textile_old	Furnace_Oven_Kiln	4,020	4,042	4,048	4,010	4,016	4,015	4,023	4,029	4,034
Textile_old	Other	0	0	0	0	0	0	0	0	0
Textile_old	Space_Heat	78	79	79	78	78	78	78	78	78
Textile_old	Water_Heat	160	161	161	159	160	160	160	160	160
Textile_old	Water_Tube_Boiler	1,395	1,403	1,405	1,392	1,394	1,393	1,396	1,398	1,400
Transport_new	AC	0	0	0	0	0	0	0	0	0
Transport_new	Drying	392,182	405,300	408,943	385,306	389,137	388,299	393,042	396,654	399,513
Transport_new	Engine	12,406	12,821	12,936	12,189	12,310	12,283	12,433	12,548	12,638
Transport_new	Fire_Tube_Boiler	130,845	135,221	136,436	128,551	129,829	129,549	131,131	132,336	133,290
Transport_new	Furnace_Oven_Kiln	672,217	694,701	700,945	660,431	666,997	665,561	673,690	679,881	684,783
Transport_new	Other	34	35	36	34	34	34	34	35	35
Transport_new	Space_Heat	52,366	54,117	54,604	51,448	51,959	51,847	52,481	52,963	53,345
Transport_new	Water_Heat	15,569	16,090	16,235	15,296	15,448	15,415	15,603	15,747	15,860
Transport_new	Water_Tube_Boiler	76,229	78,779	79,487	74,893	75,637	75,475	76,396	77,098	77,654
Transport_old	AC	0	0	0	0	0	0	0	0	0
Transport_old	Drying	392,182	405,300	408,943	385,306	389,137	388,299	393,042	396,654	399,513
Transport_old	Engine	12,406	12,821	12,936	12,189	12,310	12,283	12,433	12,548	12,638
Transport_old	Fire_Tube_Boiler	130,845	135,221	136,436	128,551	129,829	129,549	131,131	132,336	133,290
Transport_old	Furnace_Oven_Kiln	672,217	694,701	700,945	660,431	666,997	665,561	673,690	679,881	684,783
Transport_old	Other	34	35	36	34	34	34	34	35	35
Transport_old	Space_Heat	52,366	54,117	54,604	51,448	51,959	51,847	52,481	52,963	53,345
Transport_old	Water_Heat	15,569	16,090	16,235	15,296	15,448	15,415	15,603	15,747	15,860
Transport_old	Water_Tube_Boiler	76,229	78,779	79,487	74,893	75,637	75,475	76,396	77,098	77,654

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Chemical_new	AC	953	952	952	952	952	951	951	951	951
Chemical_new	Drying	15,537	15,525	15,518	15,528	15,524	15,512	15,509	15,510	15,507
Chemical_new	Engine	434	434	434	434	434	434	433	434	433
Chemical_new	Fire_Tube_Boiler	688,063	687,542	687,234	687,649	687,512	686,969	686,840	686,873	686,717
Chemical_new	Furnace_Oven_Kiln	349,098	348,833	348,677	348,888	348,818	348,543	348,478	348,494	348,415
Chemical_new	Other	142	142	142	142	142	142	142	142	142
Chemical_new	Space_Heat	20,422	20,407	20,398	20,410	20,406	20,390	20,386	20,387	20,382
Chemical_new	Water_Heat	16,007	15,995	15,988	15,998	15,995	15,982	15,979	15,980	15,976
Chemical_new	Water_Tube_Boiler	387,120	386,827	386,654	386,887	386,810	386,504	386,432	386,451	386,363
Chemical_old	AC	953	952	952	952	952	951	951	951	951
Chemical_old	Drying	15,537	15,525	15,518	15,528	15,524	15,512	15,509	15,510	15,507
Chemical_old	Engine	434	434	434	434	434	434	433	434	433
Chemical_old	Fire_Tube_Boiler	688,063	687,542	687,234	687,649	687,512	686,969	686,840	686,873	686,717
Chemical_old	Furnace_Oven_Kiln	349,098	348,833	348,677	348,888	348,818	348,543	348,478	348,494	348,415
Chemical_old	Other	142	142	142	142	142	142	142	142	142
Chemical_old	Space_Heat	20,422	20,407	20,398	20,410	20,406	20,390	20,386	20,387	20,382
Chemical_old	Water_Heat	16,007	15,995	15,988	15,998	15,995	15,982	15,979	15,980	15,976
Chemical_old	Water_Tube_Boiler	387,120	386,827	386,654	386,887	386,810	386,504	386,432	386,451	386,363
Fab_Metal_new	AC	908	906	905	907	906	904	904	904	903
Fab_Metal_new	Drying	9,085	9,066	9,054	9,070	9,065	9,045	9,040	9,041	9,035
Fab_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_new	Fire_Tube_Boiler	95,407	95,205	95,086	95,247	95,194	94,984	94,934	94,947	94,886
Fab_Metal_new	Furnace_Oven_Kiln	328,496	327,800	327,391	327,942	327,760	327,037	326,866	326,910	326,702
Fab_Metal_new	Other	104	104	104	104	104	104	104	104	104
Fab_Metal_new	Space_Heat	8,717	8,698	8,687	8,702	8,697	8,678	8,673	8,674	8,669
Fab_Metal_new	Water_Heat	1,910	1,906	1,904	1,907	1,906	1,902	1,901	1,901	1,900
Fab_Metal_new	Water_Tube_Boiler	93,132	92,935	92,819	92,975	92,923	92,718	92,670	92,682	92,623
Fab_Metal_old	AC	908	906	905	907	906	904	904	904	903
Fab_Metal_old	Drying	9,085	9,066	9,054	9,070	9,065	9,045	9,040	9,041	9,035
Fab_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_old	Fire_Tube_Boiler	95,407	95,205	95,086	95,247	95,194	94,984	94,934	94,947	94,886
Fab_Metal_old	Furnace_Oven_Kiln	328,496	327,800	327,391	327,942	327,760	327,037	326,866	326,910	326,702
Fab_Metal_old	Other	104	104	104	104	104	104	104	104	104
Fab_Metal_old	Space_Heat	8,717	8,698	8,687	8,702	8,697	8,678	8,673	8,674	8,669
Fab_Metal_old	Water_Heat	1,910	1,906	1,904	1,907	1,906	1,902	1,901	1,901	1,900
Fab_Metal_old	Water_Tube_Boiler	93,132	92,935	92,819	92,975	92,923	92,718	92,670	92,682	92,623
Food_new	AC	1,774	1,773	1,772	1,773	1,772	1,771	1,770	1,770	1,770
Food_new	Drying	75,966	75,895	75,853	75,909	75,891	75,817	75,799	75,803	75,782
Food_new	Engine	83,211	83,133	83,087	83,149	83,129	83,047	83,028	83,033	83,010
Food_new	Fire_Tube_Boiler	70,928	70,861	70,822	70,875	70,857	70,788	70,772	70,776	70,756
Food_new	Furnace_Oven_Kiln	55,855	55,803	55,772	55,814	55,800	55,745	55,732	55,736	55,720
Food_new	Other	245	245	245	245	245	245	245	245	245
Food_new	Space_Heat	5,574	5,568	5,565	5,569	5,568	5,563	5,561	5,562	5,560
Food_new	Water_Heat	1,595	1,594	1,593	1,594	1,594	1,592	1,592	1,592	1,592
Food_new	Water_Tube_Boiler	16,794	16,778	16,769	16,781	16,777	16,761	16,757	16,758	16,753
Food_old	AC	1,774	1,773	1,772	1,773	1,772	1,771	1,770	1,770	1,770
Food_old	Drying	75,966	75,895	75,853	75,909	75,891	75,817	75,799	75,803	75,782
Food_old	Engine	83,211	83,133	83,087	83,149	83,129	83,047	83,028	83,033	83,010
Food_old	Fire_Tube_Boiler	70,928	70,861	70,822	70,875	70,857	70,788	70,772	70,776	70,756
Food_old	Furnace_Oven_Kiln	55,855	55,803	55,772	55,814	55,800	55,745	55,732	55,736	55,720
Food_old	Other	245	245	245	245	245	245	245	245	245
Food_old	Space_Heat	5,574	5,568	5,565	5,569	5,568	5,563	5,561	5,562	5,560

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Food_old	Water_Heat	1,595	1,594	1,593	1,594	1,594	1,592	1,592	1,592	1,592
Food_old	Water_Tube_Boiler	16,794	16,778	16,769	16,781	16,777	16,761	16,757	16,758	16,753
Misc_new	AC	4,469	4,460	4,454	4,461	4,459	4,449	4,447	4,448	4,445
Misc_new	Drying	118,661	118,417	118,274	118,467	118,403	118,150	118,090	118,106	118,033
Misc_new	Engine	27,621	27,565	27,531	27,576	27,561	27,502	27,488	27,492	27,475
Misc_new	Fire_Tube_Boiler	98,509	98,307	98,188	98,348	98,295	98,086	98,036	98,049	97,988
Misc_new	Furnace_Oven_Kiln	601,903	600,669	599,943	600,921	600,597	599,315	599,012	599,090	598,722
Misc_new	Other	68	68	68	68	68	68	68	68	68
Misc_new	Space_Heat	12,763	12,737	12,721	12,742	12,735	12,708	12,701	12,703	12,695
Misc_new	Water_Heat	3,747	3,740	3,735	3,741	3,739	3,731	3,729	3,730	3,728
Misc_new	Water_Tube_Boiler	66,226	66,090	66,010	66,118	66,082	65,941	65,908	65,916	65,876
Misc_old	AC	4,469	4,460	4,454	4,461	4,459	4,449	4,447	4,448	4,445
Misc_old	Drying	118,661	118,417	118,274	118,467	118,403	118,150	118,090	118,106	118,033
Misc_old	Engine	27,621	27,565	27,531	27,576	27,561	27,502	27,488	27,492	27,475
Misc_old	Fire_Tube_Boiler	98,509	98,307	98,188	98,348	98,295	98,086	98,036	98,049	97,988
Misc_old	Furnace_Oven_Kiln	601,903	600,669	599,943	600,921	600,597	599,315	599,012	599,090	598,722
Misc_old	Other	68	68	68	68	68	68	68	68	68
Misc_old	Space_Heat	12,763	12,737	12,721	12,742	12,735	12,708	12,701	12,703	12,695
Misc_old	Water_Heat	3,747	3,740	3,735	3,741	3,739	3,731	3,729	3,730	3,728
Misc_old	Water_Tube_Boiler	66,226	66,090	66,010	66,118	66,082	65,941	65,908	65,916	65,876
Petroleum_new	AC	0	0	0	0	0	0	0	0	0
Petroleum_new	Drying	66,860	66,559	66,383	66,620	66,542	66,230	66,157	66,175	66,086
Petroleum_new	Engine	491	489	488	490	489	487	486	486	486
Petroleum_new	Fire_Tube_Boiler	7,422	7,389	7,369	7,396	7,387	7,352	7,344	7,346	7,336
Petroleum_new	Furnace_Oven_Kiln	296	295	294	295	295	293	293	293	293
Petroleum_new	Other	0	0	0	0	0	0	0	0	0
Petroleum_new	Space_Heat	76	76	76	76	76	76	76	76	75
Petroleum_new	Water_Heat	103	103	103	103	103	102	102	102	102
Petroleum_new	Water_Tube_Boiler	1,872	1,863	1,858	1,865	1,863	1,854	1,852	1,852	1,850
Petroleum_old	AC	0	0	0	0	0	0	0	0	0
Petroleum_old	Drying	66,860	66,559	66,383	66,620	66,542	66,230	66,157	66,175	66,086
Petroleum_old	Engine	491	489	488	490	489	487	486	486	486
Petroleum_old	Fire_Tube_Boiler	7,422	7,389	7,369	7,396	7,387	7,352	7,344	7,346	7,336
Petroleum_old	Furnace_Oven_Kiln	296	295	294	295	295	293	293	293	293
Petroleum_old	Other	0	0	0	0	0	0	0	0	0
Petroleum_old	Space_Heat	76	76	76	76	76	76	76	76	75
Petroleum_old	Water_Heat	103	103	103	103	103	102	102	102	102
Petroleum_old	Water_Tube_Boiler	1,872	1,863	1,858	1,865	1,863	1,854	1,852	1,852	1,850
Prim_Metal_new	AC	4,574	4,551	4,538	4,556	4,550	4,526	4,520	4,522	4,515
Prim_Metal_new	Drying	1,759	1,750	1,745	1,752	1,750	1,741	1,739	1,739	1,736
Prim_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_new	Fire_Tube_Boiler	12,029	11,968	11,933	11,980	11,965	11,902	11,887	11,891	11,873
Prim_Metal_new	Furnace_Oven_Kiln	960,318	955,482	952,645	956,459	955,194	950,187	949,004	949,308	947,875
Prim_Metal_new	Other	1,866	1,857	1,851	1,859	1,856	1,846	1,844	1,845	1,842
Prim_Metal_new	Space_Heat	3,811	3,792	3,781	3,796	3,791	3,771	3,767	3,768	3,762
Prim_Metal_new	Water_Heat	900	896	893	897	895	891	890	890	888
Prim_Metal_new	Water_Tube_Boiler	38,004	37,813	37,700	37,851	37,801	37,603	37,556	37,568	37,512
Prim_Metal_old	AC	4,574	4,551	4,538	4,556	4,550	4,526	4,520	4,522	4,515
Prim_Metal_old	Drying	1,759	1,750	1,745	1,752	1,750	1,741	1,739	1,739	1,736
Prim_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_old	Fire_Tube_Boiler	12,029	11,968	11,933	11,980	11,965	11,902	11,887	11,891	11,873
Prim_Metal_old	Furnace_Oven_Kiln	960,318	955,482	952,644	956,459	955,194	950,186	949,004	949,307	947,875

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of Existing Customers
Table CoreInd-13 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1,866	1,857	1,851	1,859	1,856	1,846	1,844	1,845	1,842
Prim_Metal_old	Space_Heat	3,811	3,792	3,781	3,796	3,791	3,771	3,767	3,768	3,762
Prim_Metal_old	Water_Heat	900	896	893	897	895	891	890	890	888
Prim_Metal_old	Water_Tube_Boiler	38,004	37,813	37,700	37,851	37,801	37,603	37,556	37,568	37,512
Textile_new	AC	0	0	0	0	0	0	0	0	0
Textile_new	Drying	14,378	14,368	14,362	14,370	14,367	14,357	14,354	14,355	14,352
Textile_new	Engine	0	0	0	0	0	0	0	0	0
Textile_new	Fire_Tube_Boiler	5,388	5,384	5,382	5,385	5,384	5,380	5,379	5,380	5,378
Textile_new	Furnace_Oven_Kiln	4,034	4,031	4,029	4,031	4,031	4,028	4,027	4,027	4,026
Textile_new	Other	0	0	0	0	0	0	0	0	0
Textile_new	Space_Heat	78	78	78	78	78	78	78	78	78
Textile_new	Water_Heat	160	160	160	160	160	160	160	160	160
Textile_new	Water_Tube_Boiler	1,400	1,399	1,398	1,399	1,399	1,398	1,398	1,398	1,397
Textile_old	AC	0	0	0	0	0	0	0	0	0
Textile_old	Drying	14,378	14,368	14,362	14,370	14,367	14,357	14,354	14,355	14,352
Textile_old	Engine	0	0	0	0	0	0	0	0	0
Textile_old	Fire_Tube_Boiler	5,388	5,384	5,382	5,385	5,384	5,380	5,379	5,380	5,378
Textile_old	Furnace_Oven_Kiln	4,034	4,031	4,029	4,031	4,031	4,028	4,027	4,027	4,026
Textile_old	Other	0	0	0	0	0	0	0	0	0
Textile_old	Space_Heat	78	78	78	78	78	78	78	78	78
Textile_old	Water_Heat	160	160	160	160	160	160	160	160	160
Textile_old	Water_Tube_Boiler	1,400	1,399	1,398	1,399	1,399	1,398	1,398	1,398	1,397
Transport_new	AC	0	0	0	0	0	0	0	0	0
Transport_new	Drying	399,520	397,805	396,798	398,152	397,703	395,926	395,506	395,614	395,105
Transport_new	Engine	12,638	12,584	12,552	12,595	12,581	12,525	12,511	12,515	12,499
Transport_new	Fire_Tube_Boiler	133,293	132,720	132,384	132,836	132,687	132,094	131,953	131,989	131,820
Transport_new	Furnace_Oven_Kiln	684,794	681,854	680,128	682,450	681,680	678,634	677,914	678,099	677,226
Transport_new	Other	35	35	35	35	35	35	35	35	34
Transport_new	Space_Heat	53,346	53,117	52,982	53,163	53,103	52,866	52,810	52,824	52,756
Transport_new	Water_Heat	15,861	15,792	15,752	15,806	15,788	15,718	15,701	15,705	15,685
Transport_new	Water_Tube_Boiler	77,656	77,322	77,126	77,390	77,302	76,957	76,875	76,896	76,797
Transport_old	AC	0	0	0	0	0	0	0	0	0
Transport_old	Drying	399,520	397,805	396,798	398,152	397,703	395,926	395,506	395,614	395,105
Transport_old	Engine	12,638	12,584	12,552	12,595	12,581	12,525	12,511	12,515	12,499
Transport_old	Fire_Tube_Boiler	133,293	132,720	132,384	132,836	132,687	132,094	131,953	131,989	131,820
Transport_old	Furnace_Oven_Kiln	684,794	681,854	680,128	682,450	681,680	678,634	677,914	678,099	677,226
Transport_old	Other	35	35	35	35	35	35	35	35	34
Transport_old	Space_Heat	53,346	53,117	52,982	53,163	53,103	52,866	52,810	52,824	52,756
Transport_old	Water_Heat	15,861	15,792	15,752	15,806	15,788	15,718	15,701	15,705	15,685
Transport_old	Water_Tube_Boiler	77,656	77,322	77,126	77,390	77,302	76,957	76,875	76,896	76,797

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Chemical_new	AC	949	955	957	947	949	948	950	952	953
Chemical_new	Drying	15,480	15,572	15,597	15,437	15,465	15,459	15,492	15,517	15,537
Chemical_new	Engine	433	435	436	431	432	432	433	434	434
Chemical_new	Fire_Tube_Boiler	685,562	689,612	690,707	683,656	684,857	684,596	686,073	687,186	688,061
Chemical_new	Furnace_Oven_Kiln	347,829	349,884	350,439	346,862	347,471	347,339	348,088	348,653	349,097
Chemical_new	Other	142	143	143	141	142	142	142	142	142
Chemical_new	Space_Heat	20,348	20,468	20,501	20,292	20,327	20,319	20,363	20,396	20,422
Chemical_new	Water_Heat	15,949	16,043	16,069	15,905	15,933	15,927	15,961	15,987	16,007
Chemical_new	Water_Tube_Boiler	385,713	387,992	388,607	384,641	385,316	385,169	386,000	386,627	387,119
Chemical_old	AC	949	955	957	947	949	948	950	952	953
Chemical_old	Drying	15,480	15,572	15,597	15,437	15,465	15,459	15,492	15,517	15,537
Chemical_old	Engine	433	435	436	431	432	432	433	434	434
Chemical_old	Fire_Tube_Boiler	685,562	689,612	690,707	683,656	684,857	684,596	686,073	687,186	688,061
Chemical_old	Furnace_Oven_Kiln	347,829	349,884	350,439	346,862	347,471	347,339	348,088	348,653	349,097
Chemical_old	Other	142	143	143	141	142	142	142	142	142
Chemical_old	Space_Heat	20,348	20,468	20,501	20,292	20,327	20,319	20,363	20,396	20,422
Chemical_old	Water_Heat	15,949	16,043	16,069	15,905	15,933	15,927	15,961	15,987	16,007
Chemical_old	Water_Tube_Boiler	385,713	387,992	388,607	384,641	385,316	385,169	386,000	386,627	387,119
Fab_Metal_new	AC	899	914	918	892	896	895	901	905	908
Fab_Metal_new	Drying	8,997	9,145	9,186	8,924	8,967	8,958	9,012	9,053	9,085
Fab_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_new	Fire_Tube_Boiler	94,478	96,038	96,464	93,712	94,172	94,072	94,639	95,068	95,407
Fab_Metal_new	Furnace_Oven_Kiln	325,298	330,668	332,135	322,660	324,243	323,899	325,851	327,329	328,494
Fab_Metal_new	Other	103	105	105	102	103	103	103	104	104
Fab_Metal_new	Space_Heat	8,632	8,774	8,813	8,562	8,604	8,595	8,646	8,686	8,717
Fab_Metal_new	Water_Heat	1,891	1,923	1,931	1,876	1,885	1,883	1,895	1,903	1,910
Fab_Metal_new	Water_Tube_Boiler	92,225	93,748	94,164	91,477	91,926	91,829	92,382	92,801	93,131
Fab_Metal_old	AC	899	914	918	892	896	895	901	905	908
Fab_Metal_old	Drying	8,997	9,145	9,186	8,924	8,967	8,958	9,012	9,053	9,085
Fab_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_old	Fire_Tube_Boiler	94,478	96,038	96,464	93,712	94,172	94,072	94,639	95,068	95,407
Fab_Metal_old	Furnace_Oven_Kiln	325,298	330,668	332,135	322,660	324,243	323,899	325,851	327,329	328,494
Fab_Metal_old	Other	103	105	105	102	103	103	103	104	104
Fab_Metal_old	Space_Heat	8,632	8,774	8,813	8,562	8,604	8,595	8,646	8,686	8,717
Fab_Metal_old	Water_Heat	1,891	1,923	1,931	1,876	1,885	1,883	1,895	1,903	1,910
Fab_Metal_old	Water_Tube_Boiler	92,225	93,748	94,164	91,477	91,926	91,829	92,382	92,801	93,131
Food_new	AC	1,766	1,779	1,783	1,760	1,764	1,763	1,768	1,771	1,774
Food_new	Drying	75,626	76,179	76,329	75,364	75,528	75,493	75,694	75,846	75,966
Food_new	Engine	82,839	83,445	83,609	82,552	82,731	82,693	82,913	83,080	83,211
Food_new	Fire_Tube_Boiler	70,610	71,127	71,267	70,366	70,519	70,486	70,674	70,816	70,928
Food_new	Furnace_Oven_Kiln	55,605	56,012	56,122	55,413	55,533	55,507	55,655	55,767	55,855
Food_new	Other	244	246	247	243	244	244	245	245	245
Food_new	Space_Heat	5,549	5,589	5,600	5,529	5,541	5,539	5,554	5,565	5,573
Food_new	Water_Heat	1,588	1,600	1,603	1,583	1,586	1,585	1,590	1,593	1,595
Food_new	Water_Tube_Boiler	16,719	16,841	16,874	16,661	16,697	16,689	16,734	16,767	16,794
Food_old	AC	1,766	1,779	1,783	1,760	1,764	1,763	1,768	1,771	1,774
Food_old	Drying	75,626	76,179	76,329	75,364	75,528	75,493	75,694	75,846	75,966
Food_old	Engine	82,839	83,445	83,609	82,552	82,731	82,693	82,913	83,080	83,211
Food_old	Fire_Tube_Boiler	70,610	71,127	71,267	70,366	70,519	70,486	70,674	70,816	70,928
Food_old	Furnace_Oven_Kiln	55,605	56,012	56,122	55,413	55,533	55,507	55,655	55,767	55,855
Food_old	Other	244	246	247	243	244	244	245	245	245
Food_old	Space_Heat	5,549	5,589	5,600	5,529	5,541	5,539	5,554	5,565	5,573

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Food_old	Water_Heat	1,588	1,600	1,603	1,583	1,586	1,585	1,590	1,593	1,595
Food_old	Water_Tube_Boiler	16,719	16,841	16,874	16,661	16,697	16,689	16,734	16,767	16,794
Misc_new	AC	4,426	4,497	4,517	4,392	4,413	4,408	4,434	4,453	4,469
Misc_new	Drying	117,540	119,418	119,930	116,620	117,173	117,053	117,736	118,252	118,660
Misc_new	Engine	27,360	27,797	27,917	27,146	27,275	27,247	27,406	27,526	27,621
Misc_new	Fire_Tube_Boiler	97,579	99,138	99,563	96,815	97,275	97,175	97,741	98,170	98,508
Misc_new	Furnace_Oven_Kiln	596,219	605,744	608,344	591,551	594,360	593,748	597,212	599,833	601,899
Misc_new	Other	68	69	69	67	67	67	68	68	68
Misc_new	Space_Heat	12,642	12,844	12,899	12,543	12,603	12,590	12,663	12,719	12,763
Misc_new	Water_Heat	3,712	3,771	3,788	3,683	3,700	3,697	3,718	3,735	3,747
Misc_new	Water_Tube_Boiler	65,601	66,648	66,935	65,087	65,396	65,329	65,710	65,998	66,225
Misc_old	AC	4,426	4,497	4,517	4,392	4,413	4,408	4,434	4,453	4,469
Misc_old	Drying	117,540	119,418	119,930	116,620	117,173	117,053	117,736	118,252	118,660
Misc_old	Engine	27,360	27,797	27,917	27,146	27,275	27,247	27,406	27,526	27,621
Misc_old	Fire_Tube_Boiler	97,579	99,138	99,563	96,815	97,275	97,175	97,741	98,170	98,508
Misc_old	Furnace_Oven_Kiln	596,219	605,744	608,344	591,551	594,360	593,748	597,212	599,833	601,899
Misc_old	Other	68	69	69	67	67	67	68	68	68
Misc_old	Space_Heat	12,642	12,844	12,899	12,543	12,603	12,590	12,663	12,719	12,763
Misc_old	Water_Heat	3,712	3,771	3,788	3,683	3,700	3,697	3,718	3,735	3,747
Misc_old	Water_Tube_Boiler	65,601	66,648	66,935	65,087	65,396	65,329	65,710	65,998	66,225
Petroleum_new	AC	0	0	0	0	0	0	0	0	0
Petroleum_new	Drying	65,583	67,880	68,519	64,372	65,042	64,895	65,725	66,358	66,859
Petroleum_new	Engine	482	499	504	473	478	477	483	488	491
Petroleum_new	Fire_Tube_Boiler	7,280	7,535	7,606	7,146	7,220	7,204	7,296	7,366	7,422
Petroleum_new	Furnace_Oven_Kiln	290	301	303	285	288	287	291	294	296
Petroleum_new	Other	0	0	0	0	0	0	0	0	0
Petroleum_new	Space_Heat	75	77	78	73	74	74	75	76	76
Petroleum_new	Water_Heat	101	105	106	99	101	100	102	103	103
Petroleum_new	Water_Tube_Boiler	1,836	1,900	1,918	1,802	1,821	1,817	1,840	1,857	1,872
Petroleum_old	AC	0	0	0	0	0	0	0	0	0
Petroleum_old	Drying	65,583	67,880	68,519	64,372	65,042	64,895	65,725	66,358	66,859
Petroleum_old	Engine	482	499	504	473	478	477	483	488	491
Petroleum_old	Fire_Tube_Boiler	7,280	7,535	7,606	7,146	7,220	7,204	7,296	7,366	7,422
Petroleum_old	Furnace_Oven_Kiln	290	301	303	285	288	287	291	294	296
Petroleum_old	Other	0	0	0	0	0	0	0	0	0
Petroleum_old	Space_Heat	75	77	78	73	74	74	75	76	76
Petroleum_old	Water_Heat	101	105	106	99	101	100	102	103	103
Petroleum_old	Water_Tube_Boiler	1,836	1,900	1,918	1,802	1,821	1,817	1,840	1,857	1,872
Prim_Metal_new	AC	4,478	4,654	4,703	4,384	4,435	4,424	4,487	4,536	4,574
Prim_Metal_new	Drying	1,722	1,790	1,809	1,686	1,706	1,701	1,726	1,744	1,759
Prim_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_new	Fire_Tube_Boiler	11,776	12,238	12,367	11,529	11,663	11,634	11,800	11,928	12,029
Prim_Metal_new	Furnace_Oven_Kiln	940,155	977,041	987,343	920,403	931,136	928,785	942,091	952,246	960,299
Prim_Metal_new	Other	1,827	1,899	1,919	1,789	1,809	1,805	1,831	1,850	1,866
Prim_Metal_new	Space_Heat	3,731	3,878	3,919	3,653	3,696	3,686	3,739	3,779	3,811
Prim_Metal_new	Water_Heat	881	916	925	863	873	871	883	893	900
Prim_Metal_new	Water_Tube_Boiler	37,206	38,666	39,074	36,425	36,849	36,756	37,283	37,685	38,003
Prim_Metal_old	AC	4,478	4,654	4,703	4,384	4,435	4,424	4,487	4,536	4,574
Prim_Metal_old	Drying	1,722	1,790	1,809	1,686	1,706	1,701	1,726	1,744	1,759
Prim_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_old	Fire_Tube_Boiler	11,776	12,238	12,367	11,529	11,663	11,634	11,800	11,928	12,029
Prim_Metal_old	Furnace_Oven_Kiln	940,155	977,041	987,342	920,403	931,136	928,785	942,091	952,246	960,299

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14 (Cont.)

Segments	End Use	2023	2024	2025	2026	2027	2028	2029	2030	2031
Prim_Metal_old	Other	1,827	1,899	1,919	1,789	1,809	1,805	1,831	1,850	1,866
Prim_Metal_old	Space_Heat	3,731	3,878	3,919	3,653	3,696	3,686	3,739	3,779	3,811
Prim_Metal_old	Water_Heat	881	916	925	863	873	871	883	893	900
Prim_Metal_old	Water_Tube_Boiler	37,206	38,666	39,074	36,425	36,849	36,756	37,283	37,685	38,003
Textile_new	AC	0	0	0	0	0	0	0	0	0
Textile_new	Drying	14,329	14,408	14,429	14,292	14,316	14,310	14,339	14,361	14,378
Textile_new	Engine	0	0	0	0	0	0	0	0	0
Textile_new	Fire_Tube_Boiler	5,370	5,399	5,407	5,356	5,365	5,363	5,374	5,382	5,388
Textile_new	Furnace_Oven_Kiln	4,020	4,042	4,048	4,010	4,016	4,015	4,023	4,029	4,034
Textile_new	Other	0	0	0	0	0	0	0	0	0
Textile_new	Space_Heat	78	79	79	78	78	78	78	78	78
Textile_new	Water_Heat	160	161	161	159	160	160	160	160	160
Textile_new	Water_Tube_Boiler	1,395	1,403	1,405	1,392	1,394	1,393	1,396	1,398	1,400
Textile_old	AC	0	0	0	0	0	0	0	0	0
Textile_old	Drying	14,329	14,408	14,429	14,292	14,316	14,310	14,339	14,361	14,378
Textile_old	Engine	0	0	0	0	0	0	0	0	0
Textile_old	Fire_Tube_Boiler	5,370	5,399	5,407	5,356	5,365	5,363	5,374	5,382	5,388
Textile_old	Furnace_Oven_Kiln	4,020	4,042	4,048	4,010	4,016	4,015	4,023	4,029	4,034
Textile_old	Other	0	0	0	0	0	0	0	0	0
Textile_old	Space_Heat	78	79	79	78	78	78	78	78	78
Textile_old	Water_Heat	160	161	161	159	160	160	160	160	160
Textile_old	Water_Tube_Boiler	1,395	1,403	1,405	1,392	1,394	1,393	1,396	1,398	1,400
Transport_new	AC	0	0	0	0	0	0	0	0	0
Transport_new	Drying	392,182	405,300	408,943	385,306	389,137	388,299	393,042	396,654	399,513
Transport_new	Engine	12,406	12,821	12,936	12,189	12,310	12,283	12,433	12,548	12,638
Transport_new	Fire_Tube_Boiler	130,845	135,221	136,436	128,551	129,829	129,549	131,131	132,336	133,290
Transport_new	Furnace_Oven_Kiln	672,217	694,701	700,945	660,431	666,997	665,561	673,690	679,881	684,783
Transport_new	Other	34	35	36	34	34	34	34	35	35
Transport_new	Space_Heat	52,366	54,117	54,604	51,448	51,959	51,847	52,481	52,963	53,345
Transport_new	Water_Heat	15,569	16,090	16,235	15,296	15,448	15,415	15,603	15,747	15,860
Transport_new	Water_Tube_Boiler	76,229	78,779	79,487	74,893	75,637	75,475	76,396	77,098	77,654
Transport_old	AC	0	0	0	0	0	0	0	0	0
Transport_old	Drying	392,182	405,300	408,943	385,306	389,137	388,299	393,042	396,654	399,513
Transport_old	Engine	12,406	12,821	12,936	12,189	12,310	12,283	12,433	12,548	12,638
Transport_old	Fire_Tube_Boiler	130,845	135,221	136,436	128,551	129,829	129,549	131,131	132,336	133,290
Transport_old	Furnace_Oven_Kiln	672,217	694,701	700,945	660,431	666,997	665,561	673,690	679,881	684,783
Transport_old	Other	34	35	36	34	34	34	34	35	35
Transport_old	Space_Heat	52,366	54,117	54,604	51,448	51,959	51,847	52,481	52,963	53,345
Transport_old	Water_Heat	15,569	16,090	16,235	15,296	15,448	15,415	15,603	15,747	15,860
Transport_old	Water_Tube_Boiler	76,229	78,779	79,487	74,893	75,637	75,475	76,396	77,098	77,654

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Chemical_new	AC	953	952	952	952	952	951	951	951	951
Chemical_new	Drying	15,537	15,525	15,518	15,528	15,524	15,512	15,509	15,510	15,507
Chemical_new	Engine	434	434	434	434	434	434	433	434	433
Chemical_new	Fire_Tube_Boiler	688,063	687,542	687,234	687,649	687,512	686,969	686,840	686,873	686,717
Chemical_new	Furnace_Oven_Kiln	349,098	348,833	348,677	348,888	348,818	348,543	348,478	348,494	348,415
Chemical_new	Other	142	142	142	142	142	142	142	142	142
Chemical_new	Space_Heat	20,422	20,407	20,398	20,410	20,406	20,390	20,386	20,387	20,382
Chemical_new	Water_Heat	16,007	15,995	15,988	15,998	15,995	15,982	15,979	15,980	15,976
Chemical_new	Water_Tube_Boiler	387,120	386,827	386,654	386,887	386,810	386,504	386,432	386,451	386,363
Chemical_old	AC	953	952	952	952	952	951	951	951	951
Chemical_old	Drying	15,537	15,525	15,518	15,528	15,524	15,512	15,509	15,510	15,507
Chemical_old	Engine	434	434	434	434	434	434	433	434	433
Chemical_old	Fire_Tube_Boiler	688,063	687,542	687,234	687,649	687,512	686,969	686,840	686,873	686,717
Chemical_old	Furnace_Oven_Kiln	349,098	348,833	348,677	348,888	348,818	348,543	348,478	348,494	348,415
Chemical_old	Other	142	142	142	142	142	142	142	142	142
Chemical_old	Space_Heat	20,422	20,407	20,398	20,410	20,406	20,390	20,386	20,387	20,382
Chemical_old	Water_Heat	16,007	15,995	15,988	15,998	15,995	15,982	15,979	15,980	15,976
Chemical_old	Water_Tube_Boiler	387,120	386,827	386,654	386,887	386,810	386,504	386,432	386,451	386,363
Fab_Metal_new	AC	908	906	905	907	906	904	904	904	903
Fab_Metal_new	Drying	9,085	9,066	9,054	9,070	9,065	9,045	9,040	9,041	9,035
Fab_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_new	Fire_Tube_Boiler	95,407	95,205	95,086	95,247	95,194	94,984	94,934	94,947	94,886
Fab_Metal_new	Furnace_Oven_Kiln	328,496	327,800	327,391	327,942	327,760	327,037	326,866	326,910	326,702
Fab_Metal_new	Other	104	104	104	104	104	104	104	104	104
Fab_Metal_new	Space_Heat	8,717	8,698	8,687	8,702	8,697	8,678	8,673	8,674	8,669
Fab_Metal_new	Water_Heat	1,910	1,906	1,904	1,907	1,906	1,902	1,901	1,901	1,900
Fab_Metal_new	Water_Tube_Boiler	93,132	92,935	92,819	92,975	92,923	92,718	92,670	92,682	92,623
Fab_Metal_old	AC	908	906	905	907	906	904	904	904	903
Fab_Metal_old	Drying	9,085	9,066	9,054	9,070	9,065	9,045	9,040	9,041	9,035
Fab_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Fab_Metal_old	Fire_Tube_Boiler	95,407	95,205	95,086	95,247	95,194	94,984	94,934	94,947	94,886
Fab_Metal_old	Furnace_Oven_Kiln	328,496	327,800	327,391	327,942	327,760	327,037	326,866	326,910	326,702
Fab_Metal_old	Other	104	104	104	104	104	104	104	104	104
Fab_Metal_old	Space_Heat	8,717	8,698	8,687	8,702	8,697	8,678	8,673	8,674	8,669
Fab_Metal_old	Water_Heat	1,910	1,906	1,904	1,907	1,906	1,902	1,901	1,901	1,900
Fab_Metal_old	Water_Tube_Boiler	93,132	92,935	92,819	92,975	92,923	92,718	92,670	92,682	92,623
Food_new	AC	1,774	1,773	1,772	1,773	1,772	1,771	1,770	1,770	1,770
Food_new	Drying	75,966	75,895	75,853	75,909	75,891	75,817	75,799	75,803	75,782
Food_new	Engine	83,211	83,133	83,087	83,149	83,129	83,047	83,028	83,033	83,010
Food_new	Fire_Tube_Boiler	70,928	70,861	70,822	70,875	70,857	70,788	70,772	70,776	70,756
Food_new	Furnace_Oven_Kiln	55,855	55,803	55,772	55,814	55,800	55,745	55,732	55,736	55,720
Food_new	Other	245	245	245	245	245	245	245	245	245
Food_new	Space_Heat	5,574	5,568	5,565	5,569	5,568	5,563	5,561	5,562	5,560
Food_new	Water_Heat	1,595	1,594	1,593	1,594	1,594	1,592	1,592	1,592	1,592
Food_new	Water_Tube_Boiler	16,794	16,778	16,769	16,781	16,777	16,761	16,757	16,758	16,753
Food_old	AC	1,774	1,773	1,772	1,773	1,772	1,771	1,770	1,770	1,770
Food_old	Drying	75,966	75,895	75,853	75,909	75,891	75,817	75,799	75,803	75,782
Food_old	Engine	83,211	83,133	83,087	83,149	83,129	83,047	83,028	83,033	83,010
Food_old	Fire_Tube_Boiler	70,928	70,861	70,822	70,875	70,857	70,788	70,772	70,776	70,756
Food_old	Furnace_Oven_Kiln	55,855	55,803	55,772	55,814	55,800	55,745	55,732	55,736	55,720
Food_old	Other	245	245	245	245	245	245	245	245	245
Food_old	Space_Heat	5,574	5,568	5,565	5,569	5,568	5,563	5,561	5,562	5,560

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Food_old	Water_Heat	1,595	1,594	1,593	1,594	1,594	1,592	1,592	1,592	1,592
Food_old	Water_Tube_Boiler	16,794	16,778	16,769	16,781	16,777	16,761	16,757	16,758	16,753
Misc_new	AC	4,469	4,460	4,454	4,461	4,459	4,449	4,447	4,448	4,445
Misc_new	Drying	118,661	118,417	118,274	118,467	118,403	118,150	118,090	118,106	118,033
Misc_new	Engine	27,621	27,565	27,531	27,576	27,561	27,502	27,488	27,492	27,475
Misc_new	Fire_Tube_Boiler	98,509	98,307	98,188	98,348	98,295	98,086	98,036	98,049	97,988
Misc_new	Furnace_Oven_Kiln	601,903	600,669	599,943	600,921	600,597	599,315	599,012	599,090	598,722
Misc_new	Other	68	68	68	68	68	68	68	68	68
Misc_new	Space_Heat	12,763	12,737	12,721	12,742	12,735	12,708	12,701	12,703	12,695
Misc_new	Water_Heat	3,747	3,740	3,735	3,741	3,739	3,731	3,729	3,730	3,728
Misc_new	Water_Tube_Boiler	66,226	66,090	66,010	66,118	66,082	65,941	65,908	65,916	65,876
Misc_old	AC	4,469	4,460	4,454	4,461	4,459	4,449	4,447	4,448	4,445
Misc_old	Drying	118,661	118,417	118,274	118,467	118,403	118,150	118,090	118,106	118,033
Misc_old	Engine	27,621	27,565	27,531	27,576	27,561	27,502	27,488	27,492	27,475
Misc_old	Fire_Tube_Boiler	98,509	98,307	98,188	98,348	98,295	98,086	98,036	98,049	97,988
Misc_old	Furnace_Oven_Kiln	601,903	600,669	599,943	600,921	600,597	599,315	599,012	599,090	598,722
Misc_old	Other	68	68	68	68	68	68	68	68	68
Misc_old	Space_Heat	12,763	12,737	12,721	12,742	12,735	12,708	12,701	12,703	12,695
Misc_old	Water_Heat	3,747	3,740	3,735	3,741	3,739	3,731	3,729	3,730	3,728
Misc_old	Water_Tube_Boiler	66,226	66,090	66,010	66,118	66,082	65,941	65,908	65,916	65,876
Petroleum_new	AC	0	0	0	0	0	0	0	0	0
Petroleum_new	Drying	66,860	66,559	66,383	66,620	66,542	66,230	66,157	66,175	66,086
Petroleum_new	Engine	491	489	488	490	489	487	486	486	486
Petroleum_new	Fire_Tube_Boiler	7,422	7,389	7,369	7,396	7,387	7,352	7,344	7,346	7,336
Petroleum_new	Furnace_Oven_Kiln	296	295	294	295	295	293	293	293	293
Petroleum_new	Other	0	0	0	0	0	0	0	0	0
Petroleum_new	Space_Heat	76	76	76	76	76	76	76	76	75
Petroleum_new	Water_Heat	103	103	103	103	103	102	102	102	102
Petroleum_new	Water_Tube_Boiler	1,872	1,863	1,858	1,865	1,863	1,854	1,852	1,852	1,850
Petroleum_old	AC	0	0	0	0	0	0	0	0	0
Petroleum_old	Drying	66,860	66,559	66,383	66,620	66,542	66,230	66,157	66,175	66,086
Petroleum_old	Engine	491	489	488	490	489	487	486	486	486
Petroleum_old	Fire_Tube_Boiler	7,422	7,389	7,369	7,396	7,387	7,352	7,344	7,346	7,336
Petroleum_old	Furnace_Oven_Kiln	296	295	294	295	295	293	293	293	293
Petroleum_old	Other	0	0	0	0	0	0	0	0	0
Petroleum_old	Space_Heat	76	76	76	76	76	76	76	76	75
Petroleum_old	Water_Heat	103	103	103	103	103	102	102	102	102
Petroleum_old	Water_Tube_Boiler	1,872	1,863	1,858	1,865	1,863	1,854	1,852	1,852	1,850
Prim_Metal_new	AC	4,574	4,551	4,538	4,556	4,550	4,526	4,520	4,522	4,515
Prim_Metal_new	Drying	1,759	1,750	1,745	1,752	1,750	1,741	1,739	1,739	1,736
Prim_Metal_new	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_new	Fire_Tube_Boiler	12,029	11,968	11,933	11,980	11,965	11,902	11,887	11,891	11,873
Prim_Metal_new	Furnace_Oven_Kiln	960,318	955,482	952,645	956,459	955,194	950,187	949,004	949,308	947,875
Prim_Metal_new	Other	1,866	1,857	1,851	1,859	1,856	1,846	1,844	1,845	1,842
Prim_Metal_new	Space_Heat	3,811	3,792	3,781	3,796	3,791	3,771	3,767	3,768	3,762
Prim_Metal_new	Water_Heat	900	896	893	897	895	891	890	890	888
Prim_Metal_new	Water_Tube_Boiler	38,004	37,813	37,700	37,851	37,801	37,603	37,556	37,568	37,512
Prim_Metal_old	AC	4,574	4,551	4,538	4,556	4,550	4,526	4,520	4,522	4,515
Prim_Metal_old	Drying	1,759	1,750	1,745	1,752	1,750	1,741	1,739	1,739	1,736
Prim_Metal_old	Engine	0	0	0	0	0	0	0	0	0
Prim_Metal_old	Fire_Tube_Boiler	12,029	11,968	11,933	11,980	11,965	11,902	11,887	11,891	11,873
Prim_Metal_old	Furnace_Oven_Kiln	960,318	955,482	952,644	956,459	955,194	950,186	949,004	949,307	947,875

San Diego Gas and Electric Company
Core Industrial GN-3
Average Gas Consumption Per Unit (therm) of New Customers
Table CoreInd-14 (Cont.)

Segments	End Use	2032	2033	2034	2035	2036	2037	2038	2039	2040
Prim_Metal_old	Other	1,866	1,857	1,851	1,859	1,856	1,846	1,844	1,845	1,842
Prim_Metal_old	Space_Heat	3,811	3,792	3,781	3,796	3,791	3,771	3,767	3,768	3,762
Prim_Metal_old	Water_Heat	900	896	893	897	895	891	890	890	888
Prim_Metal_old	Water_Tube_Boiler	38,004	37,813	37,700	37,851	37,801	37,603	37,556	37,568	37,512
Textile_new	AC	0	0	0	0	0	0	0	0	0
Textile_new	Drying	14,378	14,368	14,362	14,370	14,367	14,357	14,354	14,355	14,352
Textile_new	Engine	0	0	0	0	0	0	0	0	0
Textile_new	Fire_Tube_Boiler	5,388	5,384	5,382	5,385	5,384	5,380	5,379	5,380	5,378
Textile_new	Furnace_Oven_Kiln	4,034	4,031	4,029	4,031	4,031	4,028	4,027	4,027	4,026
Textile_new	Other	0	0	0	0	0	0	0	0	0
Textile_new	Space_Heat	78	78	78	78	78	78	78	78	78
Textile_new	Water_Heat	160	160	160	160	160	160	160	160	160
Textile_new	Water_Tube_Boiler	1,400	1,399	1,398	1,399	1,399	1,398	1,398	1,398	1,397
Textile_old	AC	0	0	0	0	0	0	0	0	0
Textile_old	Drying	14,378	14,368	14,362	14,370	14,367	14,357	14,354	14,355	14,352
Textile_old	Engine	0	0	0	0	0	0	0	0	0
Textile_old	Fire_Tube_Boiler	5,388	5,384	5,382	5,385	5,384	5,380	5,379	5,380	5,378
Textile_old	Furnace_Oven_Kiln	4,034	4,031	4,029	4,031	4,031	4,028	4,027	4,027	4,026
Textile_old	Other	0	0	0	0	0	0	0	0	0
Textile_old	Space_Heat	78	78	78	78	78	78	78	78	78
Textile_old	Water_Heat	160	160	160	160	160	160	160	160	160
Textile_old	Water_Tube_Boiler	1,400	1,399	1,398	1,399	1,399	1,398	1,398	1,398	1,397
Transport_new	AC	0	0	0	0	0	0	0	0	0
Transport_new	Drying	399,520	397,805	396,798	398,152	397,703	395,926	395,506	395,614	395,105
Transport_new	Engine	12,638	12,584	12,552	12,595	12,581	12,525	12,511	12,515	12,499
Transport_new	Fire_Tube_Boiler	133,293	132,720	132,384	132,836	132,687	132,094	131,953	131,989	131,820
Transport_new	Furnace_Oven_Kiln	684,794	681,854	680,128	682,450	681,680	678,634	677,914	678,099	677,226
Transport_new	Other	35	35	35	35	35	35	35	35	34
Transport_new	Space_Heat	53,346	53,117	52,982	53,163	53,103	52,866	52,810	52,824	52,756
Transport_new	Water_Heat	15,861	15,792	15,752	15,806	15,788	15,718	15,701	15,705	15,685
Transport_new	Water_Tube_Boiler	77,656	77,322	77,126	77,390	77,302	76,957	76,875	76,896	76,797
Transport_old	AC	0	0	0	0	0	0	0	0	0
Transport_old	Drying	399,520	397,805	396,798	398,152	397,703	395,926	395,506	395,614	395,105
Transport_old	Engine	12,638	12,584	12,552	12,595	12,581	12,525	12,511	12,515	12,499
Transport_old	Fire_Tube_Boiler	133,293	132,720	132,384	132,836	132,687	132,094	131,953	131,989	131,820
Transport_old	Furnace_Oven_Kiln	684,794	681,854	680,128	682,450	681,680	678,634	677,914	678,099	677,226
Transport_old	Other	35	35	35	35	35	35	35	35	34
Transport_old	Space_Heat	53,346	53,117	52,982	53,163	53,103	52,866	52,810	52,824	52,756
Transport_old	Water_Heat	15,861	15,792	15,752	15,806	15,788	15,718	15,701	15,705	15,685
Transport_old	Water_Tube_Boiler	77,656	77,322	77,126	77,390	77,302	76,957	76,875	76,896	76,797

San Diego Gas and Electric Company
Core Industrial GN-3
Real Gas Rate Forecasts (\$/therm)
Table CoreInd-15

Year	Real Rate	
2023	\$	1.47
2024	\$	1.32
2025	\$	1.28
2026	\$	1.51
2027	\$	1.47
2028	\$	1.48
2029	\$	1.42
2030	\$	1.38
2031	\$	1.35
2032	\$	1.35
2033	\$	1.37
2034	\$	1.38
2035	\$	1.36
2036	\$	1.37
2037	\$	1.39
2038	\$	1.39
2039	\$	1.39
2040	\$	1.40

NONCORE COMMERCIAL, INDUSTRIAL, AND SMALL COGEN DEMAND

SDG&E Noncore Commercial Gas Demand Base Model

Base econometric forecast model results.

SUMMARY OUTPUT					
<i>Regression Statistics</i>					
Multiple R	0.848361794				
R Square	0.719717734				
Adjusted R Square	0.686179685				
Standard Error	18.30724174				
Observations	132				
ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	14	100692.7678	7192.340558	21.45973776	5.5032E-26
Residual	117	39213.14672	335.1551002		
Total	131	139905.9145			
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	
Intercept	85.45183	32.41530	2.63616	0.00952	
Employ_Com	0.03965	0.02411	1.64482	0.10269	
Cl_Gas	-0.56577	0.56209	-1.00654	0.31623	
HDD	0.35134	0.04067	8.63792	0.00000	
Month_1	7.00782	8.11716	0.86333	0.38972	
Month_2	-7.10197	7.98220	-0.88973	0.37544	
Month_3	23.46953	8.34124	2.81367	0.00575	
Month_4	30.77154	9.66495	3.18383	0.00186	
Month_5	26.27315	10.56855	2.48597	0.01433	
Month_6	26.05852	11.79627	2.20905	0.02912	
Month_7	24.77538	11.93160	2.07645	0.04004	
Month_8	22.31216	12.00545	1.85850	0.06561	
Month_9	17.27201	11.92733	1.44810	0.15026	
Month_10	41.14277	11.51783	3.57209	0.00052	
Month_11	25.53553	9.46753	2.69717	0.00803	

SDG&E Noncore Industrial Gas Demand Base Model

Base econometric forecast model results.

SUMMARY OUTPUT					
<i>Regression Statistics</i>					
Multiple R	0.626209167				
R Square	0.392137921				
Adjusted R Square	0.325170065				
Standard Error	24.75268069				
Observations	132				
ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	13	46640.18642	3587.706648	5.85561408	3.0242E-08
Residual	118	72298.03376	612.6952014		
Total	131	118938.2202			
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	
Intercept	-117.76877	44.62730	-2.63894	0.00944	
Employ_Ind	2.60462	0.41269	6.31135	0.00000	
HDD	0.06498	0.05227	1.24322	0.21625	
Month_1	35.12303	10.70338	3.28149	0.00136	
Month_2	7.54691	10.70238	0.70516	0.48210	
Month_3	40.17028	11.19769	3.58737	0.00049	
Month_4	48.09148	12.92421	3.72104	0.00031	
Month_5	37.82887	14.03686	2.69497	0.00807	
Month_6	38.50410	15.56248	2.47416	0.01478	
Month_7	32.12038	15.77892	2.03565	0.04402	
Month_8	42.47733	15.77390	2.69289	0.00811	
Month_9	21.60649	15.73378	1.37326	0.17228	
Month_10	29.70025	15.31263	1.93959	0.05482	
Month_11	20.35040	12.67014	1.60617	0.11091	

SDG&E Noncore Small Cogen Gas Demand Base Model

Base econometric forecast model results.

SUMMARY OUTPUT					
<i>Regression Statistics</i>					
Multiple R	0.854166				
R Square	0.729599				
Adjusted R Square	0.613713				
Standard Error	651.1788				
Observations	11				
ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	3	8008935	2669645	6.295829	0.021260985
Residual	7	2968237	424033.9		
Total	10	10977172			
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	
Intercept	1751.404	4470.113	0.391803	0.706858	
Employ_Ind	56.94732	44.56404	1.277876	0.242035	
EG_1_Gas_Price	-97.8849	123.5994	-0.79195	0.454384	
Dummy_2018	2556.549	731.0771	3.496963	0.010034	

SDG&E Noncore After-Model Adjustment (Annual, Unit: Mdt)

	Regression Result			Accum. EE/DSM		AAFS		Final Forecast		
Year	Sm. Cogen	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Sm. Cogen	Commercial	Industrial
2013	6,872.2	2,193.0	2,161.8	0	0	0	0	6,872.2	2,193.0	2,161.8
2014	6,616.3	1,911.9	2,088.3	0	0	0	0	6,616.3	1,911.9	2,088.3
2015	6,526.5	2,065.8	2,288.6	0	0	0	0	6,526.5	2,065.8	2,288.6
2016	7,459.9	2,154.6	2,335.6	0	0	0	0	7,459.9	2,154.6	2,335.6
2017	8,829.4	2,010.0	2,361.3	0	0	0	0	8,829.4	2,010.0	2,361.3
2018	10,129.5	2,015.9	2,476.4	0	0	0	0	10,129.5	2,015.9	2,476.4
2019	7,234.1	2,327.7	2,438.4	0	0	0	0	7,234.1	2,327.7	2,438.4
2020	7,433.1	2,319.3	2,522.1	0	0	0	0	7,433.1	2,319.3	2,522.1
2021	7,346.5	2,422.5	2,619.6	0	0	0	0	7,346.5	2,422.5	2,619.6
2022	7,427.7	2,510.1	2,935.9	0	0	0	0	7,427.7	2,510.1	2,935.9
2023	7,190.2	2,365.0	2,705.6	0	0	0	0	7,190.2	2,365.0	2,705.6
2024	7,400.5	2,288.1	2,655.7	-15.7	-4.8	-1.5	0	7,400.5	2,270.9	2,650.9
2025	7,388.2	2,297.1	2,650.0	-31.9	-10.5	-3.5	0	7,388.2	2,261.7	2,639.5
2026	7,182.9	2,289.0	2,650.3	-48.2	-16.5	-5.4	0	7,182.9	2,235.3	2,633.9
2027	7,225.2	2,296.2	2,658.7	-65.7	-23.8	-8.0	0	7,225.2	2,222.6	2,634.8
2028	7,165.2	2,297.7	2,652.0	-83.3	-31.6	-11.6	0	7,165.2	2,202.8	2,620.4
2029	7,157.5	2,303.0	2,642.8	-101.4	-39.8	-16.3	0	7,157.5	2,185.4	2,603.0
2030	7,125.1	2,307.3	2,631.4	-119.0	-48.4	-17.3	0	7,125.1	2,171.1	2,583.0
2031	7,158.3	2,309.6	2,628.9	-136.6	-57.3	-17.2	0	7,158.3	2,155.9	2,571.6
2032	7,165.0	2,310.2	2,628.2	-154.4	-66.2	-17.0	0	7,165.0	2,138.8	2,562.0
2033	7,153.6	2,310.6	2,627.1	-174.5	-75.1	-16.8	0	7,153.6	2,119.3	2,552.0
2034	7,142.1	2,311.4	2,622.1	-174.2	-79.1	-16.6	0	7,142.1	2,120.6	2,542.9
2035	7,157.9	2,313.7	2,619.0	-174.1	-82.3	-16.1	0	7,157.9	2,123.6	2,536.7
2036	7,166.1	2,315.0	2,621.7	-173.9	-85.8	-15.6	0	7,166.1	2,125.5	2,535.9
2037	7,170.6	2,315.4	2,630.0	-172.8	-88.4	-14.9	0	7,170.6	2,127.7	2,541.5
2038	7,192.4	2,315.8	2,640.3	-171.5	-91.4	-14.1	0	7,192.4	2,130.3	2,548.9
2039	7,215.1	2,316.7	2,648.0	-169.9	-94.7	-13.2	0	7,215.1	2,133.6	2,553.3
2040	7,223.1	2,318.4	2,651.4	-168.8	-98.3	-12.3	0	7,223.1	2,137.3	2,553.1

SDG&E Noncore Commercial Gas Demand Monthly Demand (Mdth)

Year	Month	Average Year Demand	1-in-35 Cold Year Demand	1-in 35 Hot Year Demand
2023	Jan-23	205.3	224.2	186.4
2023	Feb-23	172.8	189.4	156.1
2023	Mar-23	183.3	196.4	170.2
2023	Apr-23	184.9	192.7	177.1
2023	May-23	190.9	194.6	187.2
2023	Jun-23	175.0	175.7	174.4
2023	Jul-23	170.1	170.2	170.1
2023	Aug-23	169.9	169.9	169.9
2023	Sep-23	163.7	163.8	163.6
2023	Oct-23	176.6	178.3	175.0
2023	Nov-23	185.1	193.4	176.8
2023	Dec-23	224.7	244.2	205.1
2024	Jan-24	224.5	243.4	205.5
2024	Feb-24	202.0	218.6	185.3
2024	Mar-24	218.0	231.1	204.9
2024	Apr-24	201.9	209.6	194.1
2024	May-24	179.1	182.8	175.5
2024	Jun-24	165.0	165.6	164.4
2024	Jul-24	160.4	160.4	160.3
2024	Aug-24	157.9	157.9	157.9
2024	Sep-24	153.3	153.4	153.2
2024	Oct-24	185.5	187.1	183.9
2024	Nov-24	199.8	208.1	191.5
2024	Dec-24	223.6	243.1	204.1
2025	Jan-25	224.5	243.4	205.6
2025	Feb-25	202.2	218.8	185.5
2025	Mar-25	216.7	229.8	203.6
2025	Apr-25	200.4	208.2	192.6
2025	May-25	178.1	181.8	174.5
2025	Jun-25	164.4	165.0	163.8
2025	Jul-25	160.1	160.1	160.0
2025	Aug-25	157.6	157.6	157.6
2025	Sep-25	152.7	152.8	152.7
2025	Oct-25	184.1	185.7	182.5
2025	Nov-25	198.5	206.8	190.2
2025	Dec-25	222.3	241.9	202.8
2026	Jan-26	221.5	240.4	202.6
2026	Feb-26	198.4	215.0	181.7
2026	Mar-26	213.4	226.5	200.3

2026	Apr-26	197.9	205.7	190.2
2026	May-26	175.7	179.4	172.1
2026	Jun-26	162.6	163.2	162.0
2026	Jul-26	158.5	158.5	158.5
2026	Aug-26	156.1	156.1	156.1
2026	Sep-26	151.6	151.7	151.6
2026	Oct-26	182.7	184.3	181.1
2026	Nov-26	196.7	205.0	188.4
2026	Dec-26	220.2	239.8	200.7
2027	Jan-27	219.9	238.8	201.0
2027	Feb-27	197.0	213.7	180.4
2027	Mar-27	212.0	225.1	198.9
2027	Apr-27	196.9	204.6	189.1
2027	May-27	175.1	178.7	171.4
2027	Jun-27	161.9	162.5	161.3
2027	Jul-27	157.9	157.9	157.9
2027	Aug-27	155.4	155.4	155.4
2027	Sep-27	151.0	151.0	150.9
2027	Oct-27	181.7	183.3	180.1
2027	Nov-27	195.4	203.8	187.1
2027	Dec-27	218.3	237.8	198.7
2028	Jan-28	217.6	236.6	198.7
2028	Feb-28	196.0	212.6	179.3
2028	Mar-28	210.8	223.9	197.7
2028	Apr-28	195.4	203.2	187.6
2028	May-28	173.6	177.3	170.0
2028	Jun-28	160.4	161.0	159.8
2028	Jul-28	156.4	156.4	156.3
2028	Aug-28	153.9	153.9	153.9
2028	Sep-28	149.5	149.5	149.4
2028	Oct-28	179.9	181.5	178.3
2028	Nov-28	193.4	201.7	185.1
2028	Dec-28	216.0	235.5	196.4
2029	Jan-29	216.0	234.9	197.1
2029	Feb-29	194.4	211.1	177.8
2029	Mar-29	208.8	221.9	195.7
2029	Apr-29	193.7	201.5	186.0
2029	May-29	172.3	175.9	168.6
2029	Jun-29	159.2	159.8	158.6
2029	Jul-29	155.3	155.4	155.3
2029	Aug-29	152.9	152.9	152.9
2029	Sep-29	148.5	148.6	148.4
2029	Oct-29	178.6	180.2	177.0

2029	Nov-29	191.8	200.1	183.4
2029	Dec-29	213.9	233.4	194.3
2030	Jan-30	214.1	233.0	195.2
2030	Feb-30	192.7	209.4	176.1
2030	Mar-30	207.0	220.1	193.9
2030	Apr-30	192.4	200.1	184.6
2030	May-30	171.4	175.1	167.7
2030	Jun-30	158.4	159.0	157.8
2030	Jul-30	154.7	154.7	154.6
2030	Aug-30	152.2	152.2	152.2
2030	Sep-30	147.9	148.0	147.8
2030	Oct-30	177.7	179.3	176.0
2030	Nov-30	190.5	198.8	182.2
2030	Dec-30	212.1	231.6	192.6
2031	Jan-31	212.6	231.5	193.7
2031	Feb-31	191.5	208.2	174.9
2031	Mar-31	205.8	218.9	192.7
2031	Apr-31	191.1	198.9	183.3
2031	May-31	170.2	173.8	166.5
2031	Jun-31	157.4	158.0	156.8
2031	Jul-31	153.6	153.6	153.5
2031	Aug-31	151.1	151.1	151.1
2031	Sep-31	146.8	146.9	146.8
2031	Oct-31	176.4	178.0	174.7
2031	Nov-31	189.1	197.4	180.8
2031	Dec-31	210.3	229.9	190.8
2032	Jan-32	210.7	229.7	191.8
2032	Feb-32	189.8	206.4	173.1
2032	Mar-32	204.0	217.1	190.9
2032	Apr-32	189.5	197.3	181.8
2032	May-32	168.9	172.5	165.2
2032	Jun-32	156.3	156.9	155.7
2032	Jul-32	152.5	152.6	152.5
2032	Aug-32	150.1	150.1	150.1
2032	Sep-32	145.9	145.9	145.8
2032	Oct-32	175.1	176.7	173.5
2032	Nov-32	187.5	195.8	179.2
2032	Dec-32	208.4	227.9	188.9
2033	Jan-33	208.5	227.4	189.6
2033	Feb-33	187.7	204.4	171.1
2033	Mar-33	201.9	215.0	188.8
2033	Apr-33	187.8	195.5	180.0
2033	May-33	167.4	171.1	163.8

2033	Jun-33	155.0	155.6	154.4
2033	Jul-33	151.3	151.4	151.3
2033	Aug-33	149.0	149.0	149.0
2033	Sep-33	144.7	144.8	144.7
2033	Oct-33	173.7	175.3	172.1
2033	Nov-33	185.8	194.2	177.5
2033	Dec-33	206.4	225.9	186.8
2034	Jan-34	208.5	227.4	189.6
2034	Feb-34	187.8	204.4	171.1
2034	Mar-34	202.0	215.1	188.9
2034	Apr-34	187.9	195.7	180.1
2034	May-34	167.6	171.3	163.9
2034	Jun-34	155.3	155.9	154.7
2034	Jul-34	151.6	151.6	151.5
2034	Aug-34	149.2	149.2	149.2
2034	Sep-34	144.9	145.0	144.8
2034	Oct-34	173.8	175.4	172.2
2034	Nov-34	185.9	194.2	177.6
2034	Dec-34	206.2	225.7	186.6
2035	Jan-35	208.4	227.3	189.5
2035	Feb-35	187.7	204.4	171.1
2035	Mar-35	202.1	215.2	189.0
2035	Apr-35	188.1	195.9	180.4
2035	May-35	168.0	171.6	164.3
2035	Jun-35	155.7	156.3	155.1
2035	Jul-35	152.0	152.1	152.0
2035	Aug-35	149.6	149.6	149.6
2035	Sep-35	145.3	145.4	145.3
2035	Oct-35	174.2	175.9	172.6
2035	Nov-35	186.1	194.4	177.8
2035	Dec-35	206.2	225.8	186.7
2036	Jan-36	208.4	227.4	189.5
2036	Feb-36	187.8	204.4	171.1
2036	Mar-36	202.2	215.3	189.1
2036	Apr-36	188.3	196.0	180.5
2036	May-36	168.1	171.8	164.5
2036	Jun-36	156.0	156.6	155.4
2036	Jul-36	152.3	152.3	152.3
2036	Aug-36	149.9	149.9	149.9
2036	Sep-36	145.6	145.7	145.5
2036	Oct-36	174.5	176.1	172.9
2036	Nov-36	186.3	194.6	178.0
2036	Dec-36	206.1	225.7	186.6

2037	Jan-37	208.5	227.4	189.5
2037	Feb-37	187.9	204.5	171.2
2037	Mar-37	202.3	215.4	189.2
2037	Apr-37	188.4	196.2	180.7
2037	May-37	168.4	172.1	164.8
2037	Jun-37	156.3	156.9	155.7
2037	Jul-37	152.6	152.7	152.6
2037	Aug-37	150.2	150.3	150.2
2037	Sep-37	145.9	145.9	145.8
2037	Oct-37	174.7	176.4	173.1
2037	Nov-37	186.4	194.7	178.1
2037	Dec-37	206.0	225.5	186.5
2038	Jan-38	208.4	227.3	189.5
2038	Feb-38	187.8	204.5	171.2
2038	Mar-38	202.4	215.5	189.3
2038	Apr-38	188.7	196.5	180.9
2038	May-38	168.7	172.4	165.0
2038	Jun-38	156.6	157.2	156.0
2038	Jul-38	153.0	153.0	152.9
2038	Aug-38	150.6	150.6	150.6
2038	Sep-38	146.2	146.3	146.2
2038	Oct-38	175.1	176.7	173.5
2038	Nov-38	186.6	194.9	178.3
2038	Dec-38	206.0	225.6	186.5
2039	Jan-39	208.5	227.4	189.5
2039	Feb-39	187.9	204.6	171.3
2039	Mar-39	202.6	215.7	189.5
2039	Apr-39	189.0	196.8	181.2
2039	May-39	169.0	172.7	165.4
2039	Jun-39	157.0	157.6	156.4
2039	Jul-39	153.4	153.4	153.4
2039	Aug-39	151.0	151.0	151.0
2039	Sep-39	146.6	146.7	146.6
2039	Oct-39	175.5	177.1	173.9
2039	Nov-39	186.9	195.2	178.6
2039	Dec-39	206.1	225.6	186.6
2040	Jan-40	208.4	227.3	189.5
2040	Feb-40	187.9	204.6	171.3
2040	Mar-40	202.7	215.8	189.6
2040	Apr-40	189.5	197.2	181.7
2040	May-40	169.6	173.3	165.9
2040	Jun-40	157.7	158.3	157.1
2040	Jul-40	154.0	154.0	154.0

2040	Aug-40	151.5	151.5	151.5
2040	Sep-40	147.1	147.1	147.0
2040	Oct-40	175.8	177.5	174.2
2040	Nov-40	187.0	195.4	178.7
2040	Dec-40	206.0	225.5	186.4

SDG&E Noncore Industrial Gas Demand Monthly Demand (Mdth)

Year	Month	Demand
2023	Jan-23	267.8
2023	Feb-23	161.9
2023	Mar-23	226.0
2023	Apr-23	252.7
2023	May-23	240.1
2023	Jun-23	205.8
2023	Jul-23	202.3
2023	Aug-23	225.8
2023	Sep-23	234.2
2023	Oct-23	245.6
2023	Nov-23	248.8
2023	Dec-23	194.7
2024	Jan-24	229.6
2024	Feb-24	205.0
2024	Mar-24	235.2
2024	Apr-24	242.1
2024	May-24	226.8
2024	Jun-24	229.8
2024	Jul-24	220.9
2024	Aug-24	228.7
2024	Sep-24	204.9
2024	Oct-24	215.2
2024	Nov-24	212.0
2024	Dec-24	200.8
2025	Jan-25	229.9
2025	Feb-25	205.1
2025	Mar-25	235.1
2025	Apr-25	241.9
2025	May-25	226.4
2025	Jun-25	229.0
2025	Jul-25	219.6
2025	Aug-25	227.2
2025	Sep-25	203.2
2025	Oct-25	213.2
2025	Nov-25	210.0
2025	Dec-25	198.9
2026	Jan-26	227.3
2026	Feb-26	203.0
2026	Mar-26	233.2

2026	Apr-26	240.4
2026	May-26	225.4
2026	Jun-26	228.5
2026	Jul-26	219.8
2026	Aug-26	227.6
2026	Sep-26	203.9
2026	Oct-26	214.0
2026	Nov-26	211.0
2026	Dec-26	199.9
2027	Jan-27	227.8
2027	Feb-27	203.5
2027	Mar-27	233.7
2027	Apr-27	240.8
2027	May-27	225.7
2027	Jun-27	228.7
2027	Jul-27	219.8
2027	Aug-27	227.4
2027	Sep-27	203.7
2027	Oct-27	213.8
2027	Nov-27	210.5
2027	Dec-27	199.2
2028	Jan-28	227.9
2028	Feb-28	203.4
2028	Mar-28	233.2
2028	Apr-28	240.0
2028	May-28	224.7
2028	Jun-28	227.4
2028	Jul-28	218.2
2028	Aug-28	225.7
2028	Sep-28	201.9
2028	Oct-28	211.9
2028	Nov-28	208.6
2028	Dec-28	197.3
2029	Jan-29	226.1
2029	Feb-29	201.7
2029	Mar-29	231.5
2029	Apr-29	238.3
2029	May-29	223.2
2029	Jun-29	226.0
2029	Jul-29	217.1

2029	Aug-29	224.5
2029	Sep-29	200.8
2029	Oct-29	210.7
2029	Nov-29	207.2
2029	Dec-29	195.9
2030	Jan-30	224.7
2030	Feb-30	200.4
2030	Mar-30	230.0
2030	Apr-30	236.7
2030	May-30	221.6
2030	Jun-30	224.3
2030	Jul-30	215.0
2030	Aug-30	222.5
2030	Sep-30	198.9
2030	Oct-30	208.9
2030	Nov-30	205.6
2030	Dec-30	194.4
2031	Jan-31	222.4
2031	Feb-31	198.4
2031	Mar-31	228.2
2031	Apr-31	235.2
2031	May-31	220.3
2031	Jun-31	223.3
2031	Jul-31	214.4
2031	Aug-31	222.0
2031	Sep-31	198.7
2031	Oct-31	208.9
2031	Nov-31	205.6
2031	Dec-31	194.3
2032	Jan-32	221.9
2032	Feb-32	197.9
2032	Mar-32	227.5
2032	Apr-32	234.6
2032	May-32	219.8
2032	Jun-32	222.6
2032	Jul-32	213.7
2032	Aug-32	221.1
2032	Sep-32	197.8
2032	Oct-32	207.6
2032	Nov-32	204.3
2032	Dec-32	193.1

2033	Jan-33	220.8
2033	Feb-33	197.0
2033	Mar-33	226.6
2033	Apr-33	233.8
2033	May-33	219.0
2033	Jun-33	221.9
2033	Jul-33	212.9
2033	Aug-33	220.4
2033	Sep-33	197.0
2033	Oct-33	206.8
2033	Nov-33	203.5
2033	Dec-33	192.2
2034	Jan-34	220.5
2034	Feb-34	196.6
2034	Mar-34	226.1
2034	Apr-34	233.0
2034	May-34	218.2
2034	Jun-34	221.0
2034	Jul-34	212.1
2034	Aug-34	219.5
2034	Sep-34	196.2
2034	Oct-34	205.9
2034	Nov-34	202.6
2034	Dec-34	191.3
2035	Jan-35	219.6
2035	Feb-35	195.8
2035	Mar-35	225.3
2035	Apr-35	232.2
2035	May-35	217.5
2035	Jun-35	220.4
2035	Jul-35	211.5
2035	Aug-35	219.1
2035	Sep-35	195.9
2035	Oct-35	205.8
2035	Nov-35	202.5
2035	Dec-35	191.2
2036	Jan-36	219.0
2036	Feb-36	195.2
2036	Mar-36	224.8
2036	Apr-36	231.8
2036	May-36	217.3

2036	Jun-36	220.3
2036	Jul-36	211.6
2036	Aug-36	219.2
2036	Sep-36	196.2
2036	Oct-36	206.1
2036	Nov-36	202.8
2036	Dec-36	191.6
2037	Jan-37	219.1
2037	Feb-37	195.5
2037	Mar-37	225.1
2037	Apr-37	232.3
2037	May-37	217.8
2037	Jun-37	220.8
2037	Jul-37	212.1
2037	Aug-37	219.7
2037	Sep-37	196.7
2037	Oct-37	206.7
2037	Nov-37	203.5
2037	Dec-37	192.3
2038	Jan-38	219.8
2038	Feb-38	196.2
2038	Mar-38	225.9
2038	Apr-38	233.0
2038	May-38	218.5
2038	Jun-38	221.5
2038	Jul-38	212.8
2038	Aug-38	220.4
2038	Sep-38	197.3

2038	Oct-38	207.1
2038	Nov-38	203.8
2038	Dec-38	192.6
2039	Jan-39	220.1
2039	Feb-39	196.7
2039	Mar-39	226.2
2039	Apr-39	233.4
2039	May-39	218.9
2039	Jun-39	222.0
2039	Jul-39	213.3
2039	Aug-39	220.8
2039	Sep-39	197.7
2039	Oct-39	207.5
2039	Nov-39	204.1
2039	Dec-39	192.8
2040	Jan-40	220.5
2040	Feb-40	197.1
2040	Mar-40	226.6
2040	Apr-40	233.8
2040	May-40	219.2
2040	Jun-40	222.2
2040	Jul-40	213.2
2040	Aug-40	220.5
2040	Sep-40	197.4
2040	Oct-40	207.0
2040	Nov-40	203.6
2040	Dec-40	192.1

SDG&E Noncore Small Cogen Gas Demand Monthly Demand (Mdth)

Year	Month	Sm Cogen
2023	Jan-23	632.0
2023	Feb-23	585.6
2023	Mar-23	639.2
2023	Apr-23	534.5
2023	May-23	573.1
2023	Jun-23	584.8
2023	Jul-23	612.1
2023	Aug-23	595.0
2023	Sep-23	617.1
2023	Oct-23	603.2
2023	Nov-23	587.4
2023	Dec-23	626.4
2024	Jan-24	632.0
2024	Feb-24	577.7
2024	Mar-24	637.5
2024	Apr-24	561.7
2024	May-24	608.7
2024	Jun-24	603.0
2024	Jul-24	632.9
2024	Aug-24	628.6
2024	Sep-24	649.6
2024	Oct-24	634.8
2024	Nov-24	599.9
2024	Dec-24	634.0
2025	Jan-25	630.9
2025	Feb-25	576.8
2025	Mar-25	636.5
2025	Apr-25	560.7
2025	May-25	607.7
2025	Jun-25	602.0
2025	Jul-25	631.9
2025	Aug-25	627.5
2025	Sep-25	648.6
2025	Oct-25	633.8
2025	Nov-25	598.9
2025	Dec-25	633.0
2026	Jan-26	613.4
2026	Feb-26	560.7
2026	Mar-26	618.8
2026	Apr-26	545.1
2026	May-26	590.9
2026	Jun-26	585.3
2026	Jul-26	614.3
2026	Aug-26	610.1
2026	Sep-26	630.5

2026	Oct-26	616.1
2026	Nov-26	582.3
2026	Dec-26	615.4
2027	Jan-27	617.0
2027	Feb-27	564.0
2027	Mar-27	622.4
2027	Apr-27	548.3
2027	May-27	594.3
2027	Jun-27	588.7
2027	Jul-27	617.9
2027	Aug-27	613.7
2027	Sep-27	634.3
2027	Oct-27	619.8
2027	Nov-27	585.7
2027	Dec-27	619.0
2028	Jan-28	611.9
2028	Feb-28	559.3
2028	Mar-28	617.2
2028	Apr-28	543.8
2028	May-28	589.4
2028	Jun-28	583.9
2028	Jul-28	612.8
2028	Aug-28	608.6
2028	Sep-28	629.0
2028	Oct-28	614.6
2028	Nov-28	580.8
2028	Dec-28	613.9
2029	Jan-29	611.2
2029	Feb-29	558.7
2029	Mar-29	616.6
2029	Apr-29	543.2
2029	May-29	588.8
2029	Jun-29	583.2
2029	Jul-29	612.1
2029	Aug-29	607.9
2029	Sep-29	628.3
2029	Oct-29	614.0
2029	Nov-29	580.2
2029	Dec-29	613.2
2030	Jan-30	608.4
2030	Feb-30	556.2
2030	Mar-30	613.8
2030	Apr-30	540.7
2030	May-30	586.1
2030	Jun-30	580.6
2030	Jul-30	609.4

2030	Aug-30	605.2
2030	Sep-30	625.5
2030	Oct-30	611.2
2030	Nov-30	577.6
2030	Dec-30	610.4
2031	Jan-31	611.3
2031	Feb-31	558.8
2031	Mar-31	616.6
2031	Apr-31	543.3
2031	May-31	588.8
2031	Jun-31	583.3
2031	Jul-31	612.2
2031	Aug-31	608.0
2031	Sep-31	628.4
2031	Oct-31	614.0
2031	Nov-31	580.3
2031	Dec-31	613.3
2032	Jan-32	611.9
2032	Feb-32	559.3
2032	Mar-32	617.2
2032	Apr-32	543.8
2032	May-32	589.4
2032	Jun-32	583.8
2032	Jul-32	612.8
2032	Aug-32	608.6
2032	Sep-32	629.0
2032	Oct-32	614.6
2032	Nov-32	580.8
2032	Dec-32	613.8
2033	Jan-33	610.9
2033	Feb-33	558.4
2033	Mar-33	616.2
2033	Apr-33	542.9
2033	May-33	588.4
2033	Jun-33	582.9
2033	Jul-33	611.8
2033	Aug-33	607.6
2033	Sep-33	628.0
2033	Oct-33	613.6
2033	Nov-33	579.9
2033	Dec-33	612.9
2034	Jan-34	609.9
2034	Feb-34	557.5
2034	Mar-34	615.3
2034	Apr-34	542.0
2034	May-34	587.5
2034	Jun-34	582.0
2034	Jul-34	610.8

2034	Aug-34	606.6
2034	Sep-34	627.0
2034	Oct-34	612.6
2034	Nov-34	579.0
2034	Dec-34	611.9
2035	Jan-35	611.3
2035	Feb-35	558.8
2035	Mar-35	616.6
2035	Apr-35	543.2
2035	May-35	588.8
2035	Jun-35	583.3
2035	Jul-35	612.2
2035	Aug-35	608.0
2035	Sep-35	628.4
2035	Oct-35	614.0
2035	Nov-35	580.2
2035	Dec-35	613.2
2036	Jan-36	612.0
2036	Feb-36	559.4
2036	Mar-36	617.3
2036	Apr-36	543.9
2036	May-36	589.5
2036	Jun-36	583.9
2036	Jul-36	612.9
2036	Aug-36	608.7
2036	Sep-36	629.1
2036	Oct-36	614.7
2036	Nov-36	580.9
2036	Dec-36	613.9
2037	Jan-37	612.3
2037	Feb-37	559.8
2037	Mar-37	617.7
2037	Apr-37	544.2
2037	May-37	589.8
2037	Jun-37	584.3
2037	Jul-37	613.2
2037	Aug-37	609.1
2037	Sep-37	629.5
2037	Oct-37	615.1
2037	Nov-37	581.3
2037	Dec-37	614.3
2038	Jan-38	614.2
2038	Feb-38	561.5
2038	Mar-38	619.6
2038	Apr-38	545.9
2038	May-38	591.6
2038	Jun-38	586.1
2038	Jul-38	615.1

2038	Aug-38	610.9
2038	Sep-38	631.4
2038	Oct-38	617.0
2038	Nov-38	583.0
2038	Dec-38	616.2
2039	Jan-39	616.1
2039	Feb-39	563.2
2039	Mar-39	621.5
2039	Apr-39	547.6
2039	May-39	593.5
2039	Jun-39	587.9
2039	Jul-39	617.1
2039	Aug-39	612.8
2039	Sep-39	633.4
2039	Oct-39	618.9

2039	Nov-39	584.9
2039	Dec-39	618.1
2040	Jan-40	616.8
2040	Feb-40	563.9
2040	Mar-40	622.2
2040	Apr-40	548.2
2040	May-40	594.2
2040	Jun-40	588.6
2040	Jul-40	617.7
2040	Aug-40	613.5
2040	Sep-40	634.1
2040	Oct-40	619.6
2040	Nov-40	585.5
2040	Dec-40	618.8

NATURAL GAS VEHICLES

SDG&E 2024 Methodology

Each of the sheets provided support the calculation of the 2024 CGR throughput forecast through 2040.

The forecasted is estimated by taking the yearly meter growth multiplied by the average throughput per meter calculated based on the 2023 actuals. 2021- 2022 actuals are also provided.

Assumptions:

1. The average throughput per meter is consistent through the forecast period.
2. Meters are consistent each year through 2040.
3. SDG&E served 36 third party stations within the service territory. Two of the thirty-six stations did not show consumption since the last forecast and were excluded from the forecast to accurately forecast volumes to 2040.

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Workpaper NGV-1	SDGE G-NGV/ GTCAGNGV Forecast Through 2040
Workpaper NGV-2	SDGE CGR Meter Forecast Through 2040
Workpaper NGV-3	2023 Therms GGEs Conv
Workpaper NGV-4	Therms per Meter - Utility Owned/ Fleet Use
Workpaper NGV-5	Therms per Meter - Public Access

1. Description - SDGE G-NGV Forecast of Volumes and Meters

2. Data

Table NGV-1 - SDGE Volume Forecast Growth		
Yr	Volumes	
	Compr.	Uncompr.
	M Dtherms	M Dtherms
2021	105	2,268
2022	113	2,341
2023	170	2,432
2024	170	2,432
2025	170	2,432
2026	170	2,432
2027	170	2,432
2028	170	2,432
2029	170	2,432
2030	170	2,432
2031	170	2,432
2032	170	2,432
2033	170	2,432
2034	170	2,432
2035	170	2,432
2036	170	2,432
2037	170	2,432

2023 Compressed Public Throughput
M Dtherms per meter per Year
15.79
2023 Compressed Utility Throughput
M Dtherms per Meter per Year
27.66

2023 Total Uncompressed Throughput
M Dtherms per Meter per Year
71.52
Compressed Throughput and Meter Count - Ut
M Dtherms per Meter per Year
55.57

2038	170	2,432
2039	170	2,432
2040	170	2,432

Compressed Throughput and Meter Count - Customer
M Dtherms per Meter per Year
104.87

SDGE Monthly Historical Volumes + Forecast													
Yr	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Compressed Volumes - Total (M Dekatherms)													
2021	6	7	7	8	8	9	9	9	10	10	10	11	105
2022	8	7	10	9	10	8	9	10	11	11	10	10	113
2023	10	15	18	17	17	14	13	15	13	14	13	12	170
2024	10	15	18	17	17	14	13	15	13	14	13	12	170
2025	10	15	18	17	17	14	13	15	13	14	13	12	170
2026	10	15	18	17	17	14	13	15	13	14	13	12	170
2027	10	15	18	17	17	14	13	15	13	14	13	12	170
2028	10	15	18	17	17	14	13	15	13	14	13	12	170
2029	10	15	18	17	17	14	13	15	13	14	13	12	170
2030	10	15	18	17	17	14	13	15	13	14	13	12	170
2031	10	15	18	17	17	14	13	15	13	14	13	12	170
2032	10	15	18	17	17	14	13	15	13	14	13	12	170
2033	10	15	18	17	17	14	13	15	13	14	13	12	170
2034	10	15	18	17	17	14	13	15	13	14	13	12	170
2035	10	15	18	17	17	14	13	15	13	14	13	12	170
2036	10	15	18	17	17	14	13	15	13	14	13	12	170
2037	10	15	18	17	17	14	13	15	13	14	13	12	170
2038	10	15	18	17	17	14	13	15	13	14	13	12	170

2039	10	15	18	17	17	14	13	15	13	14	13	12	170
2040	10	15	18	17	17	14	13	15	13	14	13	12	170

Compressed Volumes - Public Use (M Dekatherms)													
2023 - Therms	19,153	26,587	32,833	31,655	30,847	26,191	24,765	27,576	24,140	25,362	24,515	22,245	315,869
2023	2	3	3	3	3	3	2	3	2	3	2	2	32
2024	2	3	3	3	3	3	2	3	2	3	2	2	32
2025	2	3	3	3	3	3	2	3	2	3	2	2	32
2026	2	3	3	3	3	3	2	3	2	3	2	2	32
2027	2	3	3	3	3	3	2	3	2	3	2	2	32
2028	2	3	3	3	3	3	2	3	2	3	2	2	32
2029	2	3	3	3	3	3	2	3	2	3	2	2	32
2030	2	3	3	3	3	3	2	3	2	3	2	2	32
2031	2	3	3	3	3	3	2	3	2	3	2	2	32
2032	2	3	3	3	3	3	2	3	2	3	2	2	32
2033	2	3	3	3	3	3	2	3	2	3	2	2	32
2034	2	3	3	3	3	3	2	3	2	3	2	2	32
2035	2	3	3	3	3	3	2	3	2	3	2	2	32
2036	2	3	3	3	3	3	2	3	2	3	2	2	32
2037	2	3	3	3	3	3	2	3	2	3	2	2	32
2038	2	3	3	3	3	3	2	3	2	3	2	2	32
2039	2	3	3	3	3	3	2	3	2	3	2	2	32
2040	2	3	3	3	3	3	2	3	2	3	2	2	32

Compressed Volumes - Utility Use (M Dekatherms)													
2023 - Therms	83,152	119,549	147,726	134,728	137,357	112,642	105,875	117,578	103,383	114,203	108,301	98,470	1,382,964

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2023	8	12	15	13	14	11	11	12	10	11	11	10	138
2024	8	12	15	13	14	11	11	12	10	11	11	10	138
2025	8	12	15	13	14	11	11	12	10	11	11	10	138
2026	8	12	15	13	14	11	11	12	10	11	11	10	138
2027	8	12	15	13	14	11	11	12	10	11	11	10	138
2028	8	12	15	13	14	11	11	12	10	11	11	10	138
2029	8	12	15	13	14	11	11	12	10	11	11	10	138
2030	8	12	15	13	14	11	11	12	10	11	11	10	138
2031	8	12	15	13	14	11	11	12	10	11	11	10	138
2032	8	12	15	13	14	11	11	12	10	11	11	10	138
2033	8	12	15	13	14	11	11	12	10	11	11	10	138
2034	8	12	15	13	14	11	11	12	10	11	11	10	138
2035	8	12	15	13	14	11	11	12	10	11	11	10	138
2036	8	12	15	13	14	11	11	12	10	11	11	10	138
2037	8	12	15	13	14	11	11	12	10	11	11	10	138
2038	8	12	15	13	14	11	11	12	10	11	11	10	138
2039	8	12	15	13	14	11	11	12	10	11	11	10	138
2040	8	12	15	13	14	11	11	12	10	11	11	10	138

SDGE Monthly Historical Volumes + Forecast													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Uncompressed Volumes - Total (M Dekatherms)													
2021	197	189	127	168	186	187	218	199	208	198	199	194	2,268
2022	183	189	199	198	198	197	200	200	200	196	187	194	2,341
2023	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2024	194	189	195	199	189	191	213	208	213	220	213	208	2,432

2025	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2026	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2027	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2028	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2029	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2030	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2031	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2032	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2033	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2034	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2035	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2036	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2037	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2038	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2039	194	189	195	199	189	191	213	208	213	220	213	208	2,432
2040	194	189	195	199	189	191	213	208	213	220	213	208	2,432

Uncompressed Volumes - Utility Procurement Customers (M Dekatherms)													
2023 - Therm s	1,050,513	1,047,034	1,052,012	1,035,649	1,037,353	1,048,216	1,093,305	1,085,780	1,093,327	1,100,067	1,078,331	1,059,592	12,781,179
2023	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2024	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2025	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2026	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2027	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2028	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2029	105	105	105	104	104	105	109	109	109	110	108	106	1,278

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2030	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2031	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2032	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2033	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2034	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2035	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2036	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2037	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2038	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2039	105	105	105	104	104	105	109	109	109	110	108	106	1,278
2040	105	105	105	104	104	105	109	109	109	110	108	106	1,278

Uncompressed Volumes - Customer Owned Gas (M Dekatherms)													
2023 - Therms	884,755	839,945	899,712	956,958	854,401	866,028	1,037,561	991,091	1,035,326	1,097,819	1,052,881	1,018,789	11,535,266
2023	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2024	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2025	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2026	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2027	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2028	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2029	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2030	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2031	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2032	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2033	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2034	88	84	90	96	85	87	104	99	104	110	105	102	1,154

2035	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2036	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2037	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2038	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2039	88	84	90	96	85	87	104	99	104	110	105	102	1,154
2040	88	84	90	96	85	87	104	99	104	110	105	102	1,154

4. Source

Historical monthly data extracted from SAP HANA

Table NGV-2: SDGE CGR Meter Forecast Through 2040

Year	Uncompressed Meters Total	Uncompressed Meters Utility Procured	Uncompressed Meters Customer Owned	Compressed Pub Access Meters	Compressed Fleet Meters*	Total Meters**
2021	32	19	13	3	6	38
2022	34	21	13	2	5	39
2023	34	23	11	2	5	39
2024	34	23	11	2	5	39
2025	34	23	11	2	5	39
2026	34	23	11	2	5	39
2027	34	23	11	2	5	39
2028	34	23	11	2	5	39
2029	34	23	11	2	5	39
2030	34	23	11	2	5	39
2031	34	23	11	2	5	39
2032	34	23	11	2	5	39
2033	34	23	11	2	5	39
2034	34	23	11	2	5	39
2035	34	23	11	2	5	39
2036	34	23	11	2	5	39
2037	34	23	11	2	5	39
2038	34	23	11	2	5	39
2039	34	23	11	2	5	39
2040	34	23	11	2	5	39

*Fleet is open to fueling at all company owned stations

* Correction made in 2021 for compressed public and fleet meter count

Table NGV-3: 2023 Timefill Usage Data																							
Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons
82,155	69,832	79,054	67,196	84,159	71,535	80,431	68,366	78,019	66,316	80,057	68,048	82,043	69,737	82,908	70,472	86,977	73,930	80,041	68,035	76,916	65,379	85,664	72,814
120,331	102,281	122,112	103,795	121,008	102,857	137,386	116,778	131,301	111,606	136,559	116,075	144,077	122,465	143,072	121,611	149,161	126,787	146,641	124,645	147,814	125,642	140,832	119,707
20,230	17,196	18,196	15,467	9,452	8,034	9,509	8,083	8,104	6,888	9,720	8,262	11,786	10,018	11,215	9,533	7,292	6,198	9,816	8,344	9,625	8,181	9,300	7,905
3,056	2,598	5,491	4,667	6,353	5,400	2,837	2,411	6,418	5,455	5,616	4,774	1,659	1,410	3,269	2,779	5,012	4,260	3,966	3,371	5,310	4,514	5,294	4,500
463	394	2,364	2,009	815	693	585	497	715	608	878	746	481	409	741	630	924	785	773	657	717	609	-	-
83,153	70,680	83,322	70,824	81,380	69,173	85,029	72,275	82,272	69,931	81,833	69,558	82,680	70,278	76,074	64,663	80,887	68,754	96,398	81,938	96,522	82,044	90,794	77,175
130,148	110,626	125,365	106,560	123,908	105,322	137,069	116,509	126,165	107,240	120,754	102,641	131,342	111,641	127,164	108,089	125,766	106,901	109,613	93,171	106,271	90,330	102,057	86,748
-	-	-	-	-	-	858	729	15,606	13,265	36,046	30,639	39,380	33,473	39,400	33,490	40,929	34,790	41,931	35,641	39,529	33,600	40,284	34,241
64,673	54,972	58,430	49,666	65,334	55,534	69,066	58,706	69,122	58,754	72,062	61,253	71,455	60,737	77,154	65,581	67,008	56,957	76,560	65,076	70,740	60,129	72,223	61,390
117,203	99,623	121,936	103,646	114,874	97,643	128,136	108,916	122,387	104,029	116,077	98,665	124,931	106,191	115,896	98,512	123,497	104,972	124,465	105,795	126,925	107,886	115,098	97,833
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	369	314	-
55,052	46,794	54,007	45,906	55,251	46,963	54,339	46,188	57,462	48,843	57,840	49,164	55,593	47,254	59,980	50,983	58,118	49,400	57,206	48,625	54,508	46,332	57,907	49,221
16,402	13,942	15,042	12,786	15,341	13,040	15,162	12,888	15,815	13,443	11,650	9,903	10,300	8,755	13,675	11,624	16,596	14,107	16,552	14,069	15,360	13,056	13,174	11,198
364	309	444	377	372	316	378	321	323	275	512	435	588	500	391	332	558	474	231	196	287	244	190	162
118,705	100,899	117,058	99,499	128,978	109,631	124,339	105,688	127,727	108,568	123,612	105,070	128,102	108,887	128,728	109,419	124,339	105,688	128,853	109,525	123,976	105,380	127,852	108,674
55	47	10	9	27	23	35	30	15	13	39	33	12	10	42	36	70	60	18	15	92	78	77	65
44,237	37,601	54,473	46,302	51,818	44,045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54,506	46,330	52,111	44,294	58,056	49,348	57,070	48,510	58,769	49,954	57,411	48,799	62,106	52,790	63,644	54,097	59,617	50,674	60,955	51,812	57,651	49,003	56,711	48,204
15,384	13,076	15,165	12,890	15,185	12,907	15,790	13,422	13,327	11,328	15,121	12,853	16,364	13,909	16,746	14,234	15,539	13,208	17,469	14,849	16,718	14,210	21,125	17,956
2,305	1,959	2,722	2,314	3,268	2,778	3,196	2,717	3,686	3,133	1,972	1,676	1,167	992	1,471	1,250	2,601	2,211	3,279	2,787	2,394	2,035	1,915	1,628
79,748	67,786	80,032	68,027	76,234	64,799	79,413	67,501	77,800	66,130	77,034	65,479	84,572	71,886	82,330	69,981	85,138	72,367	82,318	69,970	84,193	71,564	75,894	64,510
42,343	35,992	39,700	33,745	40,199	34,169	35,021	29,768	42,320	35,972	43,423	36,910	44,667	37,967	41,880	35,598	43,298	36,803	42,910	36,474	42,783	36,366	42,832	36,407
1,050,513	892,936	1,047,034	889,979	1,052,012	894,210	1,035,649	880,302	1,037,353	881,750	1,048,216	890,984	1,093,305	929,309	1,085,780	922,913	1,093,327	929,328	1,100,067	935,057	1,078,331	916,581	1,059,592	900,653

Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons	Therms	Gallons
134,449	114,282	124,934	106,194	145,591	123,752	137,156	116,583	106,932	90,892	118,303	100,558	214,661	182,462	218,871	186,040	205,842	174,966	209,615	178,173	216,029	183,625	196,991	167,442
107,304	91,208	106,125	90,206	114,952	97,709	112,175	95,349	89,435	76,020	52,898	44,963	115,835	98,460	131,420	111,707	118,598	100,808	128,843	109,517	115,067	97,807	129,947	110,455
92,991	79,042	95,491	81,167	95,387	81,079	100,477	85,405	83,263	70,774	88,398	75,138	97,621	82,978	100,297	85,252	104,015	88,413	107,316	91,219	104,182	88,555	103,529	88,000
73,038	62,082	68,639	58,343	87,648	74,501	71,993	61,194	72,573	61,687	76,646	65,149	59,668	50,718	25,303	21,508	75,053	63,795	86,417	73,454	72,212	61,380	51,059	43,400
169,528	144,099	134,219	114,086	147,886	125,703	170,595	145,006	165,953	141,060	161,777	137,510	164,813	140,091	169,034	143,679	166,148	141,226	197,049	167,492	180,623	153,530	166,095	141,181
126,711	107,704	118,778	100,961	143,582	122,045	132,247	112,410	80,924	68,785	129,800	110,330	146,985	124,937	123,830	105,256	135,400	115,090	114,649	97,452	128,911	109,574	150,878	128,246
46,182	39,255	62,404	53,043	56,175	47,749	75,687	64,334	68,938	58,597	70,408	59,847	71,536	60,806	65,167	55,392	68,378	58,121	72,234	61,399	58,767	49,952	57,160	48,586
-	-	-	-	-	-	44,952	38,209	77,249	65,662	59,055	50,197	64,891	55,157	57,449	48,832	54,051	45,943	66,899	56,864	64,410	54,749	55,116	46,849
68,151	57,928	63,631	54,086	44,178	37,551	42,210	35,879	42,310	35,964	37,712	32,055	33,311	28,314	33,576	29,540	36,321	30,873	45,632	38,787	43,089	36,626	40,868	34,738
63,921	54,333	62,616	53,224	61,509	52,283	66,005	56,104	62,914	53,477	67,733	57,573	66,673	56,672	64,693	54,989	68,131	57,911	64,396	54,737	63,037	53,581	62,322	52,974
2,480	2,108	3,108	2,642	2,804	2,383	3,461	2,942	3,910	3,324	3,298	2,803	1,567	1,332	1,451	1,233	3,389	2,881	4,769	4,054	6,554	5,571	4,824	4,100
884,755	752,042	839,945	713,953	899,712	764,755	956,958	813,414	854,401	726,241	866,028	736,124	1,037,561	881,927	991,091	842,427	1,035,326	880,027	1,097,819	933,146	1,052,881	894,949	1,018,789	865,971

2023 Totals																							
1,935,268	1,644,978	1,886,979	1,603,932	1,951,724	1,658,965	1,992,607	1,693,716	1,891,754	1,607,991	1,914,244	1,627,107	2,130,866	1,811,236	2,076,871	1,765,340	2,128,653	1,809,355	2,197,886	1,868,203	2,131,212	1,811,530	2,078,381	1,766,624

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Table NG-4: - Utility Owned/ Fleet Use Therms per Month for 2023												
SDGE Base	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
MIRAMAR	40,162	56,110	66,530	63,417	59,974	49,345	45,988	53,745	45,845	52,499	51,917	47,247
NORTH COAST	4,805	5,840	11,919	10,090	62,786	12,698	13,128	51,590	11,759	9,331	5,570	4,274
BEACH CITIES	79	50	35	59	36	25	26	83	36	48	48	23
METRO	560	359	376	267	288	222	125	283	219	325	282	163
NORTH EAST	545	414	381	452	347	255	246	185	113	134	61	92
Total	46,151	62,773	79,241	74,285	123,431	62,545	59,513	105,886	57,972	62,337	57,878	51,799

2023 Compressed Throughput and Meter Count - Utility Use

Throughput (M Dtherms)	Meter Count	M Dtherms per Meter per yr
84	5	16.9

Monthly avg therms	Monthly M Dtherms per meter
70,318	23.4

Table NGV-5: Public Access Therms per Month for 2023					
Months	Meters	2023 Public Access Therms			
		GGEs	GGEs per Meter	Therms per meter	M Dtherms per Meter
Jan-23	2	33,311	16,656	19,154	2
Feb-23	2	46,240	23,120	26,588	3
Mar-23	2	57,102	28,551	32,834	3
Apr-23	2	55,054	27,527	31,656	3
May-23	2	53,648	26,824	30,847	3
Jun-23	2	45,551	22,775	26,192	3
Jul-23	2	43,071	21,535	24,766	2
Aug-23	2	47,959	23,980	27,576	3
Sep-23	2	41,983	20,992	24,140	2
Oct-23	2	44,108	22,054	25,362	3
Nov-23	2	42,636	21,318	24,515	2
Dec-23	2	38,688	19,344	22,245	2
Total		549,349	274,675	315,876	32

ENERGY EFFICIENCY

TOTAL PORTFOLIO	total portfolio forecast (includes C&S)																		
INCENTIVE PROGRAMS	total portfolio forecast (excludes C&S)																		
CODES & STANDARDS	C&S forecast																		
	Line No	METHODOLOGY																	
	1	SDGE EE Program TOTAL Values from 2006-2015 for total portfolio , IOU and C&S tabs are the same ..																	
	1	SDGE EE Program TOTAL Values from 2016-2023 broken down by portfolio and C&S values for their respective tabs																	
	2	PUC Goal Goals include C&S for all 3 tabs (2006-2021) NOTE: CPUC goals are net 2005-2008, gross 2009-2017 and net 2018 to present C&S goals broken out starting in 2013																	
	2	PUC Goal 2024-2035 based on the 2023 Potential and Goals workpapers broken down between total portfolio program C&S forecast. Year 2036-2040 are trended values																	
	17	Annual Net Savings calcs based on SDGE EE Program TOTAL line item for years (2006-2023)																	
	17	Annual Net Savings calcs based on PUC GOAL line item for years (2024 and beyond) Goal x gas sector allocations																	
	39	Converted MMDth and MDCF savings are cumulated starting with 2024 EE savings and adjusted down to reflect average EE measure life of 10 years.																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	LINE		Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported
2	NO	TOTAL PORTFOLIO	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3			Therms	Therms	Therms	Therms	Therms	Therms	Therms				NET	NET	NET	NET	NET	NET	NET	NET
4	1	SDGE EE Program TOTAL	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	2,353,107	1,635,555	1,375,439	2,472,647	4,890,195	6,085,007	5,561,417	6,242,243
5	2	PUC Goal	2,700,000	3,100,000	3,700,000	4,100,000	3,500,000	3,800,000	4,100,000	2,200,000	2,100,000	2,500,000	3,200,000	3,300,000	3,300,000	3,600,000	3,500,000	3,700,000	4,000,000	4,000,000
6	3	Difference	(1,047,144)	41,304	(553,410)	664,177	(2,871,244)	(2,434,369)	(2,386,358)	(1,356,665)	71,447	(720,231)	(846,893)	(1,664,445)	(1,924,561)	(1,127,353)	1,390,195	2,385,007	1,561,417	2,242,243
7	4																			
8	5		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
9	6	SDGE	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms
10	7	Core Residential	505,394	891,146	906,495	1,127,509	(793,637)	161,413	(698,947)	82,037	191,340	-111,638	1,226,849	468,762	846,721	1,701,814	3,664,329	4,268,153	3,833,772	3,868,384
11	8	Core Commercial	1,011,317	1,983,180	1,974,310	3,205,182	1,253,628	1,061,339	2,128,338	801,370	1,521,143	1,423,470	901,813	988,385	440,407	636,307	882,332	1,522,216	1,460,595	2,044,234
12	9	Core Industrial	20,710	40,621	40,439	65,951	25,678	21,739	43,553	2,851	46,276	48,280	18,265	7,853	5,086	8,596	40,179	15,671	12,218	9,156
13	10	NonCore Commercial	11,543	22,636	22,535	36,584	14,309	12,114	24,270	109,278	207,429	194,110	122,974	134,780	60,055	86,769	120,318	207,575	199,172	278,759
14	11	NonCore Industrial retail	103,887	203,722	202,811	320,252	128,779	109,026	210,428	12,075	206,259	224,539	83,206	35,775	23,170	39,161	183,038	71,392	55,659	41,710
15	12	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	13	Total	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	2,353,107	1,635,555	1,375,439	2,472,647	4,890,195	6,085,007	5,561,417	6,242,243
17	14																			
18	15	Proportionally scale it down or up to match PUC Goals for 2010 - 2014																		
19	16		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
20	17	ANNUAL NET SAVINGS	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth
21	18	Core Residential	51	89	91	113	(79)	16	(70)	(8)	19	(11)	123	47	85	170	366	427	383	387
22	19	Core Commercial	101	198	197	321	125	106	213	80	152	142	90	99	44	64	88	152	146	204
23	20	Core Industrial	2	4	4	7	3	2	4	0	5	5	2	1	1	1	4	2	1	1
24	21	NonCore Commercial	1	2	2	4	1	1	2	11	21	19	12	13	6	9	12	21	20	28
25	22	NonCore Industrial retail	10	20	20	33	13	11	22	1	21	22	8	4	2	4	18	7	6	4
26	23	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	24	Total	165	314	315	476	63	137	171	84	217	178	235	164	138	247	489	609	556	624
28	25																			
29	26																			
30	27																			

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
2	LINE	TOTAL PORTFOLIO																	
3	NO		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
4																			
5	1	SDGE EE Program TOTAL																	
6	2	PUC Goal	5,062,235	5,062,475	4,288,370	4,375,994	4,627,905	4,557,687	4,273,934	4,233,983	4,203,114	4,432,312	4,046,962	4,131,948	4,114,931	4,103,829	4,098,447	4,098,614	4,104,181
7	3	Difference																	
8	4		-	-	-	-	-	-	-	-	-	-	-	(0)	-	-	-	-	-
9	5																		
10	6	SDGE																	
11	7	Core Residential	73.0%	71.9%	66.7%	64.7%	66.1%	64.9%	63.1%	62.8%	62.1%	59.8%	65.7%	64.9%	64.4%	64.0%	63.5%	63.1%	62.7%
12	8	Core Commercial	22.7%	23.5%	27.9%	29.2%	28.0%	29.0%	30.3%	30.5%	31.1%	33.3%	27.9%	28.6%	28.8%	29.1%	29.3%	29.5%	29.6%
13	9	Core Industrial	0.2%	0.2%	0.3%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.4%	0.5%	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%
14	10	NonCore Commercial	3.1%	3.2%	3.8%	4.0%	3.8%	4.0%	4.1%	4.2%	4.2%	4.5%	3.8%	3.9%	3.9%	4.0%	4.0%	4.0%	4.0%
15	11	NonCore Industrial retail	1.0%	1.1%	1.4%	1.7%	1.7%	1.8%	2.0%	2.1%	2.1%	2.0%	2.2%	2.1%	2.3%	2.4%	2.6%	2.8%	3.0%
16	12	NonCore Industrial refinery	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
17	13	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
18	14																		
19	15	Proportionally scale it down or																	
20	16		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
21	17	ANNUAL NET SAVINGS	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth
22	18	Core Residential	370	364	286	283	306	296	270	266	261	265	266	268	265	263	260	259	257
23	19	Core Commercial	115	119	119	128	130	132	129	129	131	147	113	118	119	119	120	121	122
24	20	Core Industrial	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3
25	21	NonCore Commercial	16	16	16	17	18	18	18	18	18	20	15	16	16	16	16	16	17
26	22	NonCore Industrial retail	5	6	6	7	8	8	9	9	9	9	9	9	9	10	11	11	12
27	23	NonCore Industrial refinery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	24	Total	506	506	429	438	463	456	427	423	420	443	405	413	411	410	410	410	410
29	25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	26																		

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
1	LINE	TOTAL PORTFOLIO	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
2	NO		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
3																			
29	26																		
30	27																		
31	28	Cumulative Savings Mdth	2024 Mdth	2025 Mdth	2026 Mdth	2027 Mdth	2028 Mdth	2029 Mdth	2030 Mdth	2031 Mdth	2032 Mdth	2033 Mdth	2034 Mdth	2035 Mdth	2036 Mdth	2037 Mdth	2038 Mdth	2039 Mdth	2040 Mdth
32	29	Core Residential	370	733	1,019	1,303	1,609	1,904	2,174	2,440	2,701	2,966	2,862	2,766	2,746	2,725	2,679	2,642	2,630
33	30	Core Commercial	115	234	354	482	611	743	873	1,002	1,132	1,280	1,277	1,276	1,276	1,267	1,257	1,246	1,238
34	31	Core Industrial	1	2	4	5	7	9	11	13	15	16	17	18	19	19	20	21	22
35	32	NonCore Commercial	16	32	48	66	83	101	119	137	154	175	174	174	174	173	171	170	169
36	33	NonCore Industrial regular	5	11	16	24	32	40	48	57	66	75	79	82	86	88	91	95	98
37	34	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	35	Total Load Impacts	506	1,012	1,441	1,879	2,342	2,797	3,225	3,648	4,069	4,512	4,410	4,317	4,300	4,273	4,220	4,174	4,157
39	36																		
40	37																		
41	38																		
42	39	Cumulative Savings MMCF	2024 mmcf	2025 mmcf	2026 mmcf	2027 mmcf	2028 mmcf	2029 mmcf	2030 mmcf	2031 mmcf	2032 mmcf	2033 mmcf	2034 mmcf	2035 mmcf	2036 mmcf	2037 mmcf	2038 mmcf	2039 mmcf	2040 mmcf
43	40	Core Residential	358	711	988	1,263	1,559	1,846	2,107	2,365	2,618	2,875	2,774	2,681	2,661	2,641	2,597	2,561	2,549
44	41	Core Commercial	112	227	343	467	592	720	846	971	1,098	1,240	1,238	1,237	1,236	1,228	1,219	1,208	1,200
45	42	Core Industrial	1	2	4	5	7	8	10	12	14	16	17	18	18	19	19	20	21
46	43	NonCore Commercial	15	31	47	64	81	98	115	132	150	169	169	169	169	167	166	165	164
47	44	NonCore Industrial regular	5	10	16	23	31	39	47	56	64	73	77	80	83	86	89	92	95
48	45	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	46	Total Cumulative Load	491	981	1,397	1,821	2,270	2,712	3,126	3,536	3,944	4,373	4,275	4,185	4,168	4,141	4,090	4,046	4,029
50	47																		
51	48																		
52	49																		
53	50																		
54	51	Cumulative Savings BCF	2024 bcf	2025 bcf	2026 bcf	2027 bcf	2028 bcf	2029 bcf	2030 bcf	2031 bcf	2032 bcf	2033 bcf	2034 bcf	2035 bcf	2036 bcf	2037 bcf	2038 bcf	2039 bcf	2040 bcf
55	52	Core Residential	0.36	0.71	0.99	1.26	1.56	1.85	2.11	2.37	2.62	2.87	2.77	2.68	2.66	2.64	2.60	2.56	2.55
56	53	Core Commercial	0.11	0.23	0.34	0.47	0.59	0.72	0.85	0.97	1.10	1.24	1.24	1.24	1.24	1.23	1.22	1.21	1.20
57	54	Core Industrial	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
58	55	NonCore Commercial	0.02	0.03	0.05	0.06	0.08	0.10	0.12	0.13	0.15	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16
59	56	NonCore Industrial regular	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10
60	57	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	58	Total Cumulative Load	0.49	0.98	1.40	1.82	2.27	2.71	3.13	3.54	3.94	4.37	4.27	4.18	4.17	4.14	4.09	4.05	4.03
62																			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1			Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported
2	LINE NO	INCENTIVE PROGRAMS	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3			Therms	Therms	Therms	Therms	Therms	Therms	Therms				NET	NET	NET	NET	NET	NET	NET	NET
4	1	SDGE EE Program TOTAL	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	1,783,348	118,925	(324,029)	774,247	1,822,396	2,794,249	2,297,079	2,881,726
5	2	PUC Goal	2,700,000	3,100,000	3,700,000	4,100,000	3,500,000	3,800,000	4,100,000	2,200,000	2,100,000	2,500,000	3,200,000	2,700,000	1,700,000	2,000,000	2,000,000	2,200,000	2,000,000	2,000,000
6	3	Difference	(1,047,144)	41,304	(553,410)	664,177	(2,871,244)	(2,434,369)	(2,386,358)	(1,356,665)	71,447	(720,231)	(1,416,652)	(2,581,075)	(2,024,029)	(1,225,753)	(177,604)	594,249	297,079	881,726
7	4																			
8	5		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
9	6	SDGE	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms
10	7	Core Residential	505,394	891,146	908,495	1,127,509	(793,637)	161,413	(698,947)	82,037	191,340	-111,638	951,729	(554,994)	(469,436)	282,062	1,301,933	1,869,794	1,472,197	1,811,948
11	8	Core Commercial	1,011,317	1,983,180	1,974,310	3,205,182	1,253,628	1,061,339	2,126,338	801,370	1,521,143	1,423,470	642,530	554,656	103,093	391,097	261,576	736,904	666,164	896,643
12	9	Core Industrial	20,715	40,621	40,439	65,651	25,678	21,739	43,553	2,851	46,276	49,289	18,265	7,853	5,086	8,596	40,179	15,671	12,218	9,156
13	10	NonCore Commercial	11,643	22,836	22,535	36,384	14,309	12,114	24,270	109,278	207,429	194,110	87,618	75,635	14,058	53,331	35,669	100,487	90,841	122,269
14	11	NonCore Industrial retail	103,887	203,722	202,811	329,252	128,779	109,026	218,428	12,075	206,259	224,539	83,206	35,775	23,170	39,161	183,038	71,392	55,659	41,710
15	12	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	13	Total	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	1,783,348	118,925	(324,029)	774,247	1,822,396	2,794,249	2,297,079	2,881,726
17	14																			
18	15		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
19	16		Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth
20	17	ANNUAL NET SAVINGS																		
21	18	Core Residential	51	89	91	113	(79)	16	(70)	(8)	19	(11)	95	(55)	(47)	28	130	187	147	181
22	19	Core Commercial	101	198	197	321	125	106	213	80	152	142	64	55	10	39	26	74	67	90
23	20	Core Industrial	2	4	4	7	3	2	4	0	5	5	2	1	1	1	4	2	1	1
24	21	NonCore Commercial	1	2	2	4	1	1	2	11	21	19	9	8	1	5	4	10	9	12
25	22	NonCore Industrial retail	10	20	20	33	13	11	22	1	21	22	8	4	2	4	18	7	6	4
26	23	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	24	Total	165	314	315	476	63	137	171	84	217	178	178	12	(32)	77	182	279	230	288
28	25																			
29	26																			

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	
1			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
2	LINE NO	INCENTIVE PROGRAMS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
3																				
4	1	SDGE EE Program TOTAL																		
5	2	PUC Goal	2,738,882	2,793,539	2,824,768	2,880,508	3,233,952	3,237,472	2,987,515	3,000,394	3,055,839	3,318,015	2,967,938	3,091,307	3,141,456	3,193,185	3,246,579	3,301,728	3,358,728	X
6	3	Difference																		
7	4																			
8	5																			
9	6	SDGE																		
10	7	Core Residential	79.2%	77.0%	76.1%	74.5%	76.2%	75.7%	74.2%	73.6%	73.0%	69.0%	78.1%	76.5%	76.0%	75.5%	74.9%	74.4%	73.8%	X
11	8	Core Commercial	16.4%	18.1%	18.8%	19.7%	18.4%	18.7%	19.6%	20.0%	20.7%	24.4%	16.0%	17.6%	17.9%	18.2%	18.5%	18.8%	19.0%	X
12	9	Core Industrial	0.4%	0.5%	0.5%	0.6%	0.5%	0.6%	0.6%	0.7%	0.6%	0.6%	0.7%	0.6%	0.7%	0.7%	0.7%	0.8%	0.8%	X
13	10	NonCore Commercial	2.2%	2.5%	2.6%	2.7%	2.5%	2.5%	2.7%	2.7%	2.8%	3.3%	2.2%	2.4%	2.4%	2.5%	2.5%	2.6%	2.6%	X
14	11	NonCore Industrial retail	1.8%	2.1%	2.1%	2.6%	2.4%	2.5%	2.9%	3.0%	2.9%	2.7%	3.0%	2.9%	3.0%	3.2%	3.4%	3.6%	3.8%	X
15	12	NonCore Industrial refinery	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	X
16	13	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
17	14																			
18	15																			
19	16		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
20	17	ANNUAL NET SAVINGS	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	
21	18	Core Residential	217	215	215	214	246	245	222	221	223	229	232	237	239	241	243	246	248	X
22	19	Core Commercial	45	50	53	57	59	61	58	60	63	81	48	54	56	58	60	62	64	X
23	20	Core Industrial	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	X
24	21	NonCore Commercial	6	7	7	8	8	8	8	8	9	11	6	7	8	8	8	8	9	X
25	22	NonCore Industrial retail	5	6	6	7	8	8	9	9	9	9	9	9	9	10	11	12	13	X
26	23	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X
27	24	Total	274	279	282	288	323	324	299	300	306	332	297	309	314	319	325	330	336	
28	25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	26																			

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
2	LINE NO	INCENTIVE PROGRAMS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
3																				
4	1	SDGE EE Program TOTAL																		
5	2	PUC Goal	2,738,882	2,793,539	2,824,768	2,880,508	3,233,952	3,237,472	2,987,515	3,000,394	3,055,839	3,318,015	2,967,938	3,091,307	3,141,456	3,193,185	3,246,579	3,301,728	3,358,728	X
6	3	Difference																		
7	4																			
8	5																			
29	26																			
30	27		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
31	28	Cumulative Savings Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	
32	29	Core Residential	217	432	647	861	1,108	1,353	1,574	1,795	2,018	2,247	2,262	2,284	2,308	2,334	2,331	2,332	2,358	
33	30	Core Commercial	45	95	148	205	265	325	384	444	507	588	590	594	597	599	599	600	606	
34	31	Core Industrial	1	2	4	5	7	9	11	13	15	17	17	18	19	19	20	21	22	
35	32	NonCore Commercial	6	13	20	28	36	44	52	61	69	80	81	81	81	82	82	82	83	
36	33	NonCore Industrial regular	5	11	17	24	32	40	49	57	66	75	79	82	86	89	92	95	99	
37	34	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	35	Total Load Impacts	274	553	836	1,124	1,447	1,771	2,070	2,370	2,675	3,007	3,030	3,060	3,091	3,123	3,124	3,130	3,168	
39	36																			
40	37																			
41	38		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
42	39	Cumulative Savings Mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	
43	40	Core Residential	210	419	627	835	1,074	1,311	1,526	1,740	1,956	2,178	2,193	2,214	2,237	2,263	2,259	2,260	2,285	
44	41	Core Commercial	44	92	144	199	257	315	372	430	491	570	572	576	579	580	581	582	587	
45	42	Core Industrial	1	2	4	5	7	8	10	12	14	16	17	18	18	19	20	20	21	
46	43	NonCore Commercial	6	13	20	27	35	43	51	59	67	78	78	79	79	79	79	79	80	
47	44	NonCore Industrial regular	5	10	16	23	31	39	47	56	64	73	77	80	83	86	89	93	96	
48	45	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	46	Total Cumulative Load	265	536	810	1,089	1,403	1,716	2,006	2,297	2,593	2,915	2,937	2,966	2,996	3,027	3,028	3,034	3,070	
50	47																			
51	48																			
52	49																			
53	50		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
54	51	Cumulative Savings BCF	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	
55	52	Core Residential	0.21	0.42	0.63	0.83	1.07	1.31	1.53	1.74	1.96	2.18	2.19	2.21	2.24	2.26	2.26	2.26	2.29	
56	53	Core Commercial	0.04	0.09	0.14	0.20	0.26	0.32	0.37	0.43	0.49	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.59	
57	54	Core Industrial	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
58	55	NonCore Commercial	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
59	56	NonCore Industrial regular	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	
60	57	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
61	58	Total Cumulative Load	0.27	0.54	0.81	1.09	1.40	1.72	2.01	2.30	2.59	2.91	2.94	2.97	3.00	3.03	3.03	3.03	3.07	
62																				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1			Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported
2	LINE	CODES & STANDARDS	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3	NO		Therms	Therms	Therms	Therms	Therms	Therms	Therms				NET	NET	NET	NET	NET	NET	NET	NET
4	1	SDGE EE Program TOTAL	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	569,759	1,516,631	1,699,468	1,698,399	3,067,799	3,290,758	3,264,338	3,360,516
5	2	PUC Goal	2,700,000	3,100,000	3,700,000	4,100,000	3,500,000	3,800,000	4,100,000	2,200,000	2,100,000	2,500,000	3,200,000	600,000	1,600,000	1,600,000	1,500,000	1,500,000	2,000,000	2,000,000
6	3	Difference	(1,047,144)	41,304	(553,410)	664,177	(2,871,244)	(2,434,369)	(2,386,358)	(1,356,665)	71,447	(720,231)	(2,630,241)	916,631	99,468	98,399	1,567,799	1,790,758	1,264,338	1,360,516
7	4																			
8	5		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
9	6	SDGE	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms	therms
10	7	Core Residential	985,384	891,146	906,495	1,127,500	(783,637)	161,413	(698,947)	82,037	191,340	111,630	275,119	1,023,756	1,316,157	1,419,752	2,362,395	2,398,359	2,361,576	2,056,436
11	8	Core Commercial	1,011,317	1,983,180	1,974,310	5,205,182	1,253,628	1,061,339	2,126,338	801,370	1,521,143	1,423,470	259,283	433,730	337,314	245,209	620,755	785,312	794,431	1,147,591
12	9	Core Industrial	20,715	40,621	40,439	65,651	25,678	21,739	43,553	2,551	46,276	48,289	-	-	0	0	-	-	-	-
13	10	NonCore Commercial	11,543	22,636	22,535	36,584	14,309	12,114	24,270	109,278	207,429	194,110	35,357	59,145	45,997	33,438	84,648	107,088	108,331	156,490
14	11	NonCore Industrial retail	103,887	203,722	202,811	329,252	128,779	109,026	218,428	12,075	206,258	224,539	-	-	0	0	-	-	-	-
15	12	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	13	Total	1,652,856	3,141,304	3,146,590	4,764,177	628,756	1,365,631	1,713,642	843,335	2,171,447	1,779,769	569,759	1,516,631	1,699,468	1,698,399	3,067,799	3,290,758	3,264,338	3,360,516
17	14																			
18	15																			
19	16		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
20	17	ANNUAL NET SAVINGS	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth
21	18	Core Residential	51	89	91	113	(79)	16	(70)	(8)	19	(11)	28	102	132	142	236	240	236	206
22	19	Core Commercial	101	198	197	321	125	106	213	80	152	142	26	43	34	25	62	79	79	115
23	20	Core Industrial	2	4	4	7	3	2	4	0	5	5	-	-	-	-	-	-	-	-
24	21	NonCore Commercial	1	2	2	4	1	1	2	11	21	19	4	6	5	3	8	11	11	16
25	22	NonCore Industrial retail	10	20	20	33	13	11	22	1	21	22	-	-	-	-	-	-	-	-
26	23	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	24	Total	165	314	315	476	63	137	171	84	217	178	57	152	170	170	307	329	326	336
28	25																			
29	26																			

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
2	LINE	CODES & STANDARDS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
3	NO																			
4	1																			
5	2																			
6	3																			
7	4	SDGE EE Program TOTAL																		
8	5	PUC Goal	2,323,354	2,268,936	1,463,602	1,495,486	1,393,953	1,320,215	1,286,418	1,233,589	1,147,275	1,114,297	1,079,023	1,040,642	973,475	910,644	851,868	796,886	745,452	
9	6	Difference																		
10	7	SDGE																		
11	8	Core Residential	65.7%	65.6%	48.5%	46.1%	42.8%	38.4%	37.3%	36.6%	33.1%	32.1%	31.4%	30.5%	28.0%	25.7%	23.5%	21.4%	19.5%	
12	9	Core Commercial	30.2%	30.3%	45.4%	47.5%	50.3%	54.3%	55.2%	55.8%	58.9%	59.8%	60.4%	61.2%	63.4%	65.4%	67.3%	69.1%	70.8%	
13	10	Core Industrial	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
14	11	NonCore Commercial	4.1%	4.1%	6.2%	6.5%	6.9%	7.4%	7.5%	7.6%	8.0%	8.2%	8.2%	8.3%	8.6%	8.9%	9.2%	9.4%	9.7%	
15	12	NonCore Industrial retail	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
16	13	NonCore Industrial refinery	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
17	14	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
18	15																			
19	16		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
20	17	ANNUAL NET SAVINGS	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	
21	18	Core Residential	153	149	71	69	60	51	48	45	38	36	34	32	27	23	20	17	15	
22	19	Core Commercial	70	69	66	71	70	72	71	69	68	67	65	64	62	60	57	55	53	
23	20	Core Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	21	NonCore Commercial	10	9	9	10	10	10	10	9	9	9	9	9	8	8	8	8	7	
25	22	NonCore Industrial retail	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	23	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	24	Total	232	227	146	150	139	132	129	123	115	111	108	104	97	91	85	80	75	
28	25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	26																			

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	LINE	CODES & STANDARDS	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
2	NO		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
3																				
4	1		SDGE EE Program TOTAL																	
5	2		PUC Goal	2,323,354	2,268,936	1,463,602	1,495,486	1,393,953	1,320,215	1,286,418	1,233,589	1,147,275	1,114,297	1,079,023	1,040,642	973,475	910,644	851,868	796,886	745,452
6	3	Difference																		
7	4																			
8	5																			
29	26																			
30	27		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
31	28	Cumulative Savings Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	Mdth	
32	29	Core Residential	153	302	372	441	501	552	600	645	683	719	600	483	439	393	354	320	287	
33	30	Core Commercial	70	139	205	276	346	418	489	558	625	692	687	682	677	666	653	637	618	
34	31	Core Industrial	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
35	32	NonCore Commercial	10	19	28	38	47	57	67	76	85	94	94	93	92	91	89	87	84	
36	33	NonCore Industrial regular	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
37	34	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	35	Total Load Impacts	232	459	606	755	895	1,027	1,155	1,279	1,393	1,505	1,380	1,257	1,208	1,150	1,096	1,043	989	
39	36		-	-	-	-	-	-	-	-	-	(0)	(232)	(227)	(146)	(150)	(139)	(132)	(129)	
40	37																			
41	38		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
42	39	Cumulative Savings MMCF	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	mmcf	
43	40	Core Residential	148	292	361	428	486	535	581	625	662	696	581	468	425	381	343	310	278	
44	41	Core Commercial	68	135	199	268	336	405	474	541	606	671	666	661	657	645	633	617	599	
45	42	Core Industrial	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
46	43	NonCore Commercial	9	18	27	37	46	55	65	74	83	91	91	90	90	88	86	84	82	
47	44	NonCore Industrial regular	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
48	45	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	46	Total Cumulative Load	225	445	587	732	867	995	1,120	1,239	1,350	1,458	1,338	1,219	1,171	1,115	1,062	1,011	959	
50	47																			
51	48																			
52	49																			
53	50		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
54	51	Cumulative Savings BCF	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	bcf	
55	52	Core Residential	0.15	0.29	0.36	0.43	0.49	0.53	0.58	0.63	0.66	0.70	0.58	0.47	0.43	0.38	0.34	0.31	0.28	
56	53	Core Commercial	0.07	0.13	0.20	0.27	0.34	0.41	0.47	0.54	0.61	0.67	0.67	0.66	0.66	0.65	0.63	0.62	0.60	
57	54	Core Industrial	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	
58	55	NonCore Commercial	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	
59	56	NonCore Industrial regular	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	
60	57	NonCore Industrial refinery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
61	58	Total Cumulative Load	0.23	0.45	0.59	0.73	0.87	1.00	1.12	1.24	1.35	1.46	1.34	1.22	1.17	1.11	1.06	1.01	0.96	

ELECTRIC GENERATION (EG)

Please refer to SoCalGas' 2024 California Gas Report workpapers for detail on the documentation regarding non-cogeneration electric generation (EG) forecasting.

CORE PEAK DAY FORECAST

2024-CGR Sales + Transport + Exchange for Month of DECEMBER (units=Mdth/Day)
"1-in-2" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2023 ----	2024 ----	2025 ----	2026 ----	2027 ----	2028 ----	2029 ----	2030 ----	2031 ----	2035 ----	2040 ----
	1 RESIDEN	181.5	177.4	175.4	172.3	170.8	169.1	168.1	167.2	166.2	165.1	166.6
	2 Com GN3	78.9	79.8	79.9	78.2	78.2	77.9	77.9	77.8	77.7	76.5	78.5
	2 GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2 GEN <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3 Ind GN3	6.2	6.3	6.2	6.1	6.1	6.0	6.0	6.0	6.0	5.9	5.7
	4 NGV <u>2/</u>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	Total: MDth/day	273.4	270.2	268.3	263.4	261.8	259.8	258.8	257.8	256.7	254.2	257.7
	MMcf/day <u>4/</u>	265.0	261.9	260.1	255.3	253.8	251.8	250.8	249.9	248.8	246.4	249.8
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
	Hdd: December--AvgYr =	253.6	252.3	251.0	249.7	248.4	247.1	245.8	244.5	243.2	238.0	231.5
	Hdd: December--ColdYr =	309.2	307.9	306.6	305.3	304.0	302.7	301.4	300.1	298.8	293.6	287.1
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2024-CGR Res and Core C&I Calculations

Notes:

1/ =("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")}

* [(65 degF - 47.8 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf= 1.0317

2024-CGR Sales + Transport + Exchange for Month of DECEMBER (units=Mdth/Day)
"1-in-10" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2023 ----	2024 ----	2025 ----	2026 ----	2027 ----	2028 ----	2029 ----	2030 ----	2031 ----	2035 ----	2040 ----
1	RESIDEN	201.3	197.2	195.1	192.1	190.5	188.8	187.8	186.9	185.9	184.7	186.2
2	Com GN3	86.2	87.0	87.2	85.4	85.4	85.1	85.1	85.0	84.9	83.6	85.6
2	GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	GEN <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ind GN3	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.6	6.6	6.4	6.3
4	NGV <u>2/</u>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total:	MDth/day	301.1	297.9	295.9	290.9	289.4	287.3	286.2	285.3	284.1	281.6	284.9
	MMcf/day <u>4/</u>	291.8	288.7	286.8	282.0	280.5	278.4	277.4	276.5	275.4	272.9	276.1
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
	Hdd: December--AvgYr =	253.6	252.3	251.0	249.7	248.4	247.1	245.8	244.5	243.2	238.0	231.5
	Hdd: December--ColdYr =	309.2	307.9	306.6	305.3	304.0	302.7	301.4	300.1	298.8	293.6	287.1
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2024-CGR Res and Core C&I Calculations

Notes:

1/ =("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")}]

* [(65 degF - 44.9 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf= 1.0317

2024-CGR Sales + Transport + Exchange for Month of DECEMBER (units=Mdth/Day)
"1-in-35" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2023 ----	2024 ----	2025 ----	2026 ----	2027 ----	2028 ----	2029 ----	2030 ----	2031 ----	2035 ----	2040 ----
1	RESIDEN	210.9	206.8	204.7	201.6	200.0	198.3	197.3	196.4	195.4	194.2	195.6
2	Com GN3	89.7	90.5	90.7	88.9	88.9	88.6	88.6	88.5	88.4	87.1	89.1
2	GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	GEN <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	Ind GN3	7.1	7.1	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.7	6.5
4	NGV <u>2/</u>	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total:	MDth/day	314.4	311.2	309.2	304.2	302.7	300.6	299.5	298.5	297.4	294.7	298.0
	MMcf/day <u>4/</u>	304.8	301.6	299.7	294.9	293.4	291.3	290.3	289.3	288.2	285.7	288.8
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
	Hdd: December--AvgYr =	253.6	252.3	251.0	249.7	248.4	247.1	245.8	244.5	243.2	238.0	231.5
	Hdd: December--ColdYr =	309.2	307.9	306.6	305.3	304.0	302.7	301.4	300.1	298.8	293.6	287.1
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2024-CGR Res and Core C&I Calculations

Notes:

1/ =("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")}]

* [(65 degF - 43.5 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf= 1.0317

2024-CGR Sales + Transport + Exchange for Month of DECEMBER (units=Mdth/Day)

Temp=December, Average Year

No. "CGR_CLASS	2023	2024	2025	2026	2027	2028	2029	2030	2031	2035	2040
	----	----	----	----	----	----	----	----	----	----	----
1 Residen	3,719.3	3,585.1	3,513.2	3,412.2	3,356.0	3,296.2	3,258.5	3,223.1	3,185.4	3,122.6	3,134.9
2 Com GN3	1,745.7	1,769.8	1,773.1	1,715.3	1,715.2	1,702.6	1,699.9	1,696.4	1,691.2	1,644.1	1,696.0
2 GAC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Ind GN3	135.3	136.3	135.9	131.0	130.6	129.4	129.2	128.7	128.2	124.2	119.6
4 NGV	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	5,810.3	5,701.3	5,632.3	5,468.6	5,411.8	5,338.2	5,297.6	5,258.2	5,214.8	5,100.9	5,160.5

2024-CGR Sales + Transport + Exchange for Month of DECEMBER (units=Mdth/Day)

Temp=December, Cold Year

No. "CGR_CLASS	2023	2024	2025	2026	2027	2028	2029	2030	2031	2035	2040
	----	----	----	----	----	----	----	----	----	----	----
1 Residen	4,098.7	3,964.2	3,892.0	3,790.7	3,734.2	3,674.1	3,636.1	3,600.4	3,562.5	3,498.4	3,509.2
2 Com GN3	1,885.0	1,908.9	1,912.0	1,854.0	1,853.7	1,840.9	1,838.0	1,834.3	1,828.9	1,781.1	1,832.0
2 GAC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Ind GN3	146.7	147.7	147.2	142.3	141.9	140.6	140.3	139.8	139.2	135.1	130.3
4 NGV	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1	210.1
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	6,340.5	6,230.9	6,161.4	5,997.1	5,939.8	5,865.7	5,824.5	5,784.6	5,740.7	5,624.7	5,681.6
Mdth/Hdd:	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.4

WEATHER

Weather for SDG&E: Heating Degree Days – Average and Cold Year Designs; and Winter Peak Day Design Temperatures

July 2024

I. Overview

San Diego Gas and Electric Company’s service area for natural gas extends from southern Orange County throughout San Diego County to the Mexican border. To quantify the overall temperature experienced within this region, SDG&E aggregates daily temperature recordings from three U.S. Weather Bureau weather stations into one system average heating degree-day (“HDD”) figure. The table below lists weather station locations along with its associated temperature zone(s).

Table 1

Representative Weather Stations with Temperature Zones

Station Location	Weight	Temperature Zone
1. Miramar Naval Air Station	1/3	Coastal and Inland
2. San Diego Lindbergh Field (International Airport)	1/3	Coastal
3. El Cajon	1/3	Inland

SDG&E uses 65° Fahrenheit to calculate the number of HDDs. One heating degree-day is accumulated for each degree that the daily average is *below* 65° Fahrenheit. To arrive at the system average HDDs figure for its entire service area, SDG&E weights the HDD figure for each zone using the weights¹ shown in Table 1. These weights are used in calculating the data shown from January 2004 to December 2023.

Daily maximum and minimum temperatures, for each individual weather station in the table above, are from the National Climatic Data Center or from preliminary data that SoCalGas captures each day for various individual weather stations as well as for its system average values of HDD. For each station, the average temperature is computed as the (maximum + minimum)/2 and this value is used to compute the heating degrees (i.e., the *daily* HDD) for each station as well. System average values of HDD are then computed using the weights for each respective station. Annual and monthly HDDs for the entire SDG&E service area from 2004 to 2023 are listed in Table 2, below.

Table 2**Calendar Month Heating Degree-Days (Jan. 2004 through Dec. 2023)**

<u>Month</u>													<u>Total</u>
<u>Year</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>"Cal-Year"</u>
2004	273	271	98	67	14	4	1	0	0	53	201	267	1248
2005	247	201	160	118	32	4	0	0	3	37	95	230	1126
2006	276	205	307	143	31	0	0	0	1	35	88	287	1373
2007	367	228	153	137	62	18	0	0	4	28	110	342	1448
2008	331	277	184	129	88	15	0	0	0	13	59	289	1385
2009	177	248	203	141	30	10	0	0	0	40	123	293	1265
2010	240	215	194	179	87	21	9	1	3	32	184	242	1407
2011	222	279	196	97	73	20	0	0	1	24	174	342	1427
2012	232	240	225	126	36	12	0	0	0	18	103	269	1261
2013	326	272	150	105	23	6	0	1	0	41	104	243	1269
2014	160	143	82	77	20	1	0	0	0	0	46	172	700
2015	160	85	63	42	47	0	0	0	0	0	97	254	747
2016	240	81	96	45	30	0	0	0	0	0	70	198	760
2017	244	158	83	31	40	3	0	0	0	1	38	149	747
2018	111	169	136	58	48	1	0	0	0	1	48	195	767
2019	216	290	161	48	69	2	0	0	2	14	88	232	1121
2020	233	194	178	96	3	0	0	0	0	6	133	245	1088
2021	251	190	234	92	40	5	0	0	1	48	72	306	1239
2022	270	241	192	104	71	6	0	0	0	16	218	305	1422
2023	336	336	306	183	108	29	0	0	3	18	106	210	1635

20-Yr-Avg (Jan 2004-Dec 2023)

Avg.	245.6	216.0	170.0	100.9	47.5	7.9	0.5	0.1	0.8	21.1	107.8	253.5	1171.7
St.Dev.	64.1	66.4	67.7	44.3	27.8	8.6	2.0	0.2	1.3	17.2	51.6	52.6	283.3
Min.	111.4	80.7	62.7	31.2	2.7	0.0	0.0	0.0	0.0	0.0	37.7	149.3	700.3
Max.	367.3	335.7	307.3	183.0	108.4	28.9	9.0	1.0	3.6	52.5	218.3	342.4	1634.9

II. Calculations to Define Our Average-Temperature Year

The simple average of the 20-year period (January 2004 through December 2023) was used to represent the Average Year total and the individual monthly values for HDD. In this CGR, the standard deviation has been calculated using an approach that compensates for the annual HDD values for the years 2014-2018 in SDG&E's service territory being dramatically lower than in any preceding year going back to 1972². A regression with a dummy variable for the years 2014-2018 has been used to estimate a shift in the level of annual HDD that occurred beginning in 2014. A dummy variable takes the value one for some observations to indicate the presence of an effect or membership in a group and zero for the remaining observations. Estimating the effect of the dummy variable gives an estimate of that effect or the impact of membership in that group. A dummy variable is used here to estimate the average effect on annual HDD of a given year having membership in the group of years 2014-2018. The dataset is SDG&E system-wide annual HDD for the years 2004-2023. The regression equation is:

$$HDD_t = \alpha + \beta * t + \beta_{2014-2018} * D_{2014-2018} + \varepsilon$$

where $D_{2014-2018}$ is a dummy variable for the years 2014-2018 and $\beta_{2014-2018}$ is the corresponding dummy coefficient. This regression equation estimates average HDD over the period 2004-2023 controlling for time trends in HDD and the warm weather regime of years 2004-2023. It's important to note that p-value for the estimate of $\beta_{2014-2018}$ is virtually zero, indicating an extremely low probability that membership in the group of years 2014-2018 had no effect on annual HDDs. Please see Table 3 below for the full regression output.

Table 3

Dummy Regression for Calculation of Heating Degree-Day Standard Deviation

<i>Regression Statistics</i>	
Multiple R	0.894834984
R Square	0.800729649
Adjusted R Square	0.777286078
Standard Error	133.6957519
Observations	20

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	2	1221032.886	610516.443	34.1556181	1.10985E-06
Residual	17	303867.4195	17874.55409		
Total	19	1524900.306			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>
Intercept	1294.754706	62.21918478	20.80957361	0.0000000
Time	2.008823529	5.35497481	0.375132209	0.7122013
Regime Dummy	-576.7294118	71.31035871	-8.08759656	0.0000003

² The same approach to control warm weather regime from 2014 to 2018 when estimating standard deviation was used in CGR 2020 and CGR 2022.

The dummy variable's estimated effect, $\beta_{2014-2018}$, is subtracted from the actual annual HDD data for years 2014-2018 to adjust the data to remove the level shift. The standard deviation has been calculated to be 127.0 using this adjusted dataset. This adjusted standard deviation has been used to design the Cold Years based on a "1-in-10" and "1-in-35" chance, c , that the respective annual "Cold Year" hdd_c value would be exceeded. A probability model for the annual HDD is based on a t-Distribution with N-1 degrees of freedom, where N is the number of years of HDD data we use, μ is the average of the last 20 years of HDD, and S_{20} is the average of the standard deviations of the 20 most recent 20 year periods:

$$U = (HDD_y - \mu)/S_{20}, \text{ has a t-Distribution with } N-1 \text{ degrees of freedom.}$$

III. Calculating the Cold-Temperature Year Weather Designs

Cold Year HDD Weather Designs

For SDG&E, cold-temperature-year HDD weather designs are developed with a 1-in-35-year chance of occurrence. In terms of probabilities this can be expressed as the following for a "1-in-35" cold-year HDD value in equation 1 and a "1-in-10" cold-year HDD value in equation 2, with Annual HDD as the random variable:

$$(1) \quad \text{Prob} \{ \text{Annual HDD} > \text{"1-in-35" Cold-Yr HDD} \} = 1/35 = 0.0286$$

$$(2) \quad \text{Prob} \{ \text{Annual HDD} > \text{"1-in-10" Cold-Yr HDD} \} = 1/10 = 0.1000$$

An area of 0.0286 under one tail of the T-Distribution translates to 2.025 standard deviations *above* an average-year based on a t-statistic with 19 degrees of freedom. Using the standard deviation calculated as described earlier, 127.0 HDD, these equations yield values of about 1,429 HDD for a "1-in-35" cold year and 1,341 as the number of HDDs for a "1-in-10" cold year (an area of 0.1000 under one tail of the T-Distribution translates to 1.328 standard deviations *above* an average-year based on a t-statistic with 19 degrees of freedom). For example, the "1-in-35" cold-year HDD is calculated as follows:

$$(3) \quad \text{Cold-year HDD} = 1,429, \text{ which equals approximately} \\ 1,172 \text{ average-year HDDs} + 2.025 * 127.0$$

Table 4 below shows monthly HDD figures for "1-in-35" cold year, "1-in-10" cold year and, average year temperature designs. The monthly average-temperature-year HDDs are calculated from weighted monthly HDDs from 2004 to 2023, as shown as the bottom of Table 2, above. For example, the average-year December value of 253.6 HDD equals the simple average of the 20 December HDD figures from 2004 to 2023. SDG&E calculates the cold-temperature-year monthly HDD values using the same shape of the average-year HDDs. For example, since 21.6 percent ($253.6 / 1172$) of average-temperature-year HDDs occurred in December, the estimated number of HDDs during

December for a cold-year is equal to 1,429 HDDs multiplied by 21.6 percent, or 309.2 HDDs.

Table 4

Calendar Month Heating Degree-Day Designs

	<u>Cold</u>		<u>Average</u>	<u>Hot</u>	
	<u>1-in-35 Design</u>	<u>1-in-10 Design</u>		<u>1-in-10 Design</u>	<u>1-in-35 Design</u>
January	299.5	281.1	245.6	210.2	191.8
February	263.5	247.2	216.1	184.9	168.7
March	207.3	194.6	170.0	145.5	132.7
April	123.0	115.4	100.9	86.3	78.8
May	57.9	54.4	47.5	40.7	37.1
June	9.6	9.0	7.9	6.7	6.1
July	0.6	0.6	0.5	0.5	0.4
August	0.1	0.1	0.1	0.1	0.1
September	1.0	1.0	0.8	0.7	0.7
October	25.7	24.1	21.1	18.1	16.5
November	131.5	123.4	107.9	92.3	84.2
December	309.2	290.1	253.6	217.0	198.0
Total	1,429	1,341	1,172	1,003	915

IV. Adjusting Forecasted HDDs for a Climate-Change Trend

SDG&E incorporates a climate-change warming trend that gradually reduces HDDs by 6 HDDs per year over the forecast period. The annual reduction is based on the latest twenty-year trend in 20-year-averaged HDDs. That is, they are based on the observed trend in changes starting with average HDDs for years 1985-2004, then 1986-2005, 1987-2006...and ending with the average HDDs for years 2004-2023.

Table 5 below shows system HDDs, rolling 20-year averaged HDDs, and the annual changes in those rolling 20-year averages. The actual average annual change is -6.1 HDDs for the most recent twenty of the 20-year averages (with ending years from 2004 through 2023). A simple “ordinary least squares” regression-fitted time trend (using Microsoft Excel’s “LINEST” function) was applied to those same annual changes, resulting in a fitted estimation of -9.0 HDDs per year. However, after CGR 2022, which incorporated a trend of -6 HDD per year, both 2022 (1422 HDDs) and 2023 (1635 HDDs) are colder than average years, it was decided to decrease average-year and cold-year forecasted HDD’s by an even 6 HDDs per year based on average change of the last 20 years, which is the same trend as that in CGR 2022, starting with the first forecast year of 2024.

Table 5**Average Annual Changes in 20-Year Averaged Heating-Degree Days**

Average Annual Changes in 20-Year-Averaged HDDs		
	Regression Fitted trend	Actual
20 Year: (2004-2023)	-9.0	-6.1

Year	SDG&E System HDDs	20-year averaged HDDs	Annual change in 20- year averaged HDDs
1981	961		
1982	1346		
1983	1126		
1984	1126		
1985	1402		
1986	1027		
1987	1404		
1988	1272		
1989	1258		
1990	1322		
1991	1316	1252.3	
1992	1007	1232.0	-20.3
1993	1105	1212.4	-19.6
1994	1467	1215.0	2.6
1995	1078	1182.9	-32.1
1996	1154	1182.6	-0.3
1997	1156	1188.0	5.4
1998	1576	1210.5	22.5
1999	1606	1228.8	18.3
2000	1322	1251.4	22.6
2001	1540	1280.4	29.0
2002	1479	1287.0	6.6
2003	1268	1294.1	7.1
2004	1248	1300.2	6.1
2005	1126	1286.4	-13.8
2006	1373	1303.7	17.3
2007	1448	1305.9	2.2
2008	1385	1311.6	5.6
2009	1265	1311.9	0.4
2010	1407	1316.2	4.2
2011	1427	1321.8	5.6
2012	1261	1334.4	12.7
2013	1269	1342.6	8.2
2014	700	1304.3	-38.3
2015	747	1287.7	-16.6
2016	760	1268.0	-19.7
2017	747	1247.6	-20.4
2018	767	1207.1	-40.5
2019	1121	1182.9	-24.3
2020	1088	1171.2	-11.7
2021	1239	1156.1	-15.0
2022	1422	1153.3	-2.8
2023	1635	1171.7	18.4

Below tables 6.1 – 6.5 show the complete monthly weather design:

Table 6.1

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2024	298.3	279.8	244.4	209.0	190.5
Feb-2024	262.3	246.1	215.0	183.8	167.6
Mar-2024	206.4	193.7	169.2	144.6	131.9
Apr-2024	122.5	114.9	100.4	85.8	78.2
May-2024	57.7	54.1	47.3	40.4	36.9
Jun-2024	9.6	9.0	7.8	6.7	6.1
Jul-2024	0.6	0.6	0.5	0.5	0.4
Aug-2024	0.1	0.1	0.1	0.1	0.1
Sep-2024	1.0	1.0	0.8	0.7	0.7
Oct-2024	25.6	24.0	21.0	17.9	16.4
Nov-2024	131.0	122.9	107.3	91.8	83.7
Dec-2024	307.9	288.8	252.3	215.7	196.7
Jan-2025	297.0	278.6	243.1	207.7	189.3
Feb-2025	261.2	245.0	213.9	182.7	166.5
Mar-2025	205.6	192.8	168.3	143.8	131.0
Apr-2025	122.0	114.4	99.9	85.3	77.7
May-2025	57.5	53.9	47.0	40.2	36.6
Jun-2025	9.5	8.9	7.8	6.7	6.1
Jul-2025	0.6	0.6	0.5	0.4	0.4
Aug-2025	0.1	0.1	0.1	0.1	0.1
Sep-2025	1.0	1.0	0.8	0.7	0.6
Oct-2025	25.5	23.9	20.9	17.8	16.3
Nov-2025	130.4	122.3	106.8	91.2	83.1
Dec-2025	306.6	287.5	251.0	214.4	195.4
Jan-2026	295.7	277.3	241.9	206.5	188.0
Feb-2026	260.1	243.9	212.8	181.6	165.4
Mar-2026	204.7	191.9	167.4	142.9	130.1
Apr-2026	121.5	113.9	99.3	84.8	77.2
May-2026	57.2	53.6	46.8	39.9	36.4
Jun-2026	9.5	8.9	7.7	6.6	6.0
Jul-2026	0.6	0.6	0.5	0.4	0.4
Aug-2026	0.1	0.1	0.1	0.1	0.1
Sep-2026	1.0	0.9	0.8	0.7	0.6
Oct-2026	25.4	23.8	20.8	17.7	16.1
Nov-2026	129.9	121.8	106.2	90.6	82.5
Dec-2026	305.3	286.2	249.7	213.1	194.1

Table 6.2

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2027	294.5	276.0	240.6	205.2	186.7
Feb-2027	259.0	242.8	211.6	180.5	164.3
Mar-2027	203.8	191.1	166.6	142.0	129.3
Apr-2027	120.9	113.4	98.8	84.3	76.7
May-2027	57.0	53.4	46.6	39.7	36.1
Jun-2027	9.4	8.8	7.7	6.6	6.0
Jul-2027	0.6	0.6	0.5	0.4	0.4
Aug-2027	0.1	0.1	0.1	0.1	0.1
Sep-2027	1.0	0.9	0.8	0.7	0.6
Oct-2027	25.3	23.7	20.7	17.6	16.0
Nov-2027	129.3	121.2	105.6	90.1	82.0
Dec-2027	304.0	284.9	248.4	211.8	192.8
Jan-2028	293.2	274.8	239.4	203.9	185.5
Feb-2028	257.9	241.7	210.5	179.4	163.2
Mar-2028	203.0	190.2	165.7	141.2	128.4
Apr-2028	120.4	112.9	98.3	83.8	76.2
May-2028	56.7	53.2	46.3	39.5	35.9
Jun-2028	9.4	8.8	7.7	6.5	5.9
Jul-2028	0.6	0.6	0.5	0.4	0.4
Aug-2028	0.1	0.1	0.1	0.1	0.1
Sep-2028	1.0	0.9	0.8	0.7	0.6
Oct-2028	25.2	23.6	20.6	17.5	15.9
Nov-2028	128.7	120.6	105.1	89.5	81.4
Dec-2028	302.7	283.6	247.1	210.5	191.5
Jan-2029	292.0	273.5	238.1	202.7	184.2
Feb-2029	256.8	240.6	209.4	178.3	162.1
Mar-2029	202.1	189.3	164.8	140.3	127.5
Apr-2029	119.9	112.3	97.8	83.2	75.7
May-2029	56.5	52.9	46.1	39.2	35.6
Jun-2029	9.4	8.8	7.6	6.5	5.9
Jul-2029	0.6	0.6	0.5	0.4	0.4
Aug-2029	0.1	0.1	0.1	0.1	0.1
Sep-2029	1.0	0.9	0.8	0.7	0.6
Oct-2029	25.1	23.5	20.4	17.4	15.8
Nov-2029	128.2	120.1	104.5	89.0	80.9
Dec-2029	301.4	282.3	245.8	209.2	190.2
Jan-2030	290.7	272.3	236.8	201.4	183.0
Feb-2030	255.7	239.5	208.3	177.2	160.9
Mar-2030	201.2	188.5	163.9	139.4	126.7
Apr-2030	119.4	111.8	97.3	82.7	75.2
May-2030	56.2	52.7	45.8	39.0	35.4
Jun-2030	9.3	8.7	7.6	6.5	5.9

Table 6.3

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jul-2030	0.6	0.6	0.5	0.4	0.4
Aug-2030	0.1	0.1	0.1	0.1	0.1
Sep-2030	1.0	0.9	0.8	0.7	0.6
Oct-2030	25.0	23.4	20.3	17.3	15.7
Nov-2030	127.6	119.5	104.0	88.4	80.3
Dec-2030	300.1	281.0	244.5	207.9	188.9
Jan-2031	289.5	271.0	235.6	200.2	181.7
Feb-2031	254.6	238.4	207.2	176.1	159.8
Mar-2031	200.4	187.6	163.1	138.6	125.8
Apr-2031	118.9	111.3	96.8	82.2	74.6
May-2031	56.0	52.4	45.6	38.7	35.2
Jun-2031	9.3	8.7	7.5	6.4	5.8
Jul-2031	0.6	0.6	0.5	0.4	0.4
Aug-2031	0.1	0.1	0.1	0.1	0.1
Sep-2031	1.0	0.9	0.8	0.7	0.6
Oct-2031	24.9	23.3	20.2	17.2	15.6
Nov-2031	127.1	119.0	103.4	87.9	79.8
Dec-2031	298.8	279.7	243.2	206.6	187.6
Jan-2032	288.2	269.7	234.3	198.9	180.5
Feb-2032	253.5	237.3	206.1	175.0	158.7
Mar-2032	199.5	186.7	162.2	137.7	124.9
Apr-2032	118.4	110.8	96.2	81.7	74.1
May-2032	55.8	52.2	45.3	38.5	34.9
Jun-2032	9.2	8.6	7.5	6.4	5.8
Jul-2032	0.6	0.6	0.5	0.4	0.4
Aug-2032	0.1	0.1	0.1	0.1	0.1
Sep-2032	1.0	0.9	0.8	0.7	0.6
Oct-2032	24.8	23.2	20.1	17.1	15.5
Nov-2032	126.5	118.4	102.9	87.3	79.2
Dec-2032	297.5	278.4	241.9	205.3	186.3
Jan-2033	286.9	268.5	233.1	197.6	179.2
Feb-2033	252.4	236.2	205.0	173.9	157.6
Mar-2033	198.6	185.8	161.3	136.8	124.0
Apr-2033	117.8	110.3	95.7	81.2	73.6
May-2033	55.5	51.9	45.1	38.2	34.7
Jun-2033	9.2	8.6	7.5	6.3	5.7
Jul-2033	0.6	0.6	0.5	0.4	0.4
Aug-2033	0.1	0.1	0.1	0.1	0.1
Sep-2033	1.0	0.9	0.8	0.7	0.6
Oct-2033	24.6	23.1	20.0	17.0	15.4
Nov-2033	126.0	117.9	102.3	86.8	78.7
Dec-2033	296.2	277.1	240.6	204.0	185.0

Table 6.4

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2034	285.7	267.2	231.8	196.4	177.9
Feb-2034	251.3	235.1	203.9	172.7	156.5
Mar-2034	197.7	185.0	160.5	135.9	123.2
Apr-2034	117.3	109.8	95.2	80.7	73.1
May-2034	55.3	51.7	44.8	38.0	34.4
Jun-2034	9.1	8.6	7.4	6.3	5.7
Jul-2034	0.6	0.6	0.5	0.4	0.4
Aug-2034	0.1	0.1	0.1	0.1	0.1
Sep-2034	1.0	0.9	0.8	0.7	0.6
Oct-2034	24.5	23.0	19.9	16.9	15.3
Nov-2034	125.4	117.3	101.8	86.2	78.1
Dec-2034	294.9	275.8	239.3	202.7	183.7
Jan-2035	284.4	266.0	230.6	195.1	176.7
Feb-2035	250.2	234.0	202.8	171.6	155.4
Mar-2035	196.9	184.1	159.6	135.1	122.3
Apr-2035	116.8	109.2	94.7	80.1	72.6
May-2035	55.0	51.5	44.6	37.8	34.2
Jun-2035	9.1	8.5	7.4	6.2	5.7
Jul-2035	0.6	0.6	0.5	0.4	0.4
Aug-2035	0.1	0.1	0.1	0.1	0.1
Sep-2035	1.0	0.9	0.8	0.7	0.6
Oct-2035	24.4	22.8	19.8	16.8	15.2
Nov-2035	124.9	116.8	101.2	85.7	77.6
Dec-2035	293.6	274.5	238.0	201.4	182.4
Jan-2036	283.2	264.7	229.3	193.9	175.4
Feb-2036	249.1	232.8	201.7	170.5	154.3
Mar-2036	196.0	183.2	158.7	134.2	121.4
Apr-2036	116.3	108.7	94.2	79.6	72.1
May-2036	54.8	51.2	44.4	37.5	33.9
Jun-2036	9.1	8.5	7.3	6.2	5.6
Jul-2036	0.6	0.6	0.5	0.4	0.4
Aug-2036	0.1	0.1	0.1	0.1	0.1
Sep-2036	1.0	0.9	0.8	0.7	0.6
Oct-2036	24.3	22.7	19.7	16.7	15.1
Nov-2036	124.3	116.2	100.7	85.1	77.0
Dec-2036	292.3	273.3	236.7	200.1	181.1
Jan-2037	281.9	263.5	228.0	192.6	174.2
Feb-2037	248.0	231.7	200.6	169.4	153.2
Mar-2037	195.1	182.4	157.8	133.3	120.6
Apr-2037	115.8	108.2	93.7	79.1	71.5
May-2037	54.5	51.0	44.1	37.3	33.7
Jun-2037	9.0	8.4	7.3	6.2	5.6

Table 6.5

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jul-2037	0.6	0.6	0.5	0.4	0.4
Aug-2037	0.1	0.1	0.1	0.1	0.1
Sep-2037	1.0	0.9	0.8	0.7	0.6
Oct-2037	24.2	22.6	19.6	16.5	15.0
Nov-2037	123.8	115.7	100.1	84.6	76.5
Dec-2037	291.0	272.0	235.4	198.8	179.8
Jan-2038	280.6	262.2	226.8	191.4	172.9
Feb-2038	246.9	230.6	199.5	168.3	152.1
Mar-2038	194.3	181.5	157.0	132.5	119.7
Apr-2038	115.3	107.7	93.1	78.6	71.0
May-2038	54.3	50.7	43.9	37.0	33.5
Jun-2038	9.0	8.4	7.3	6.1	5.5
Jul-2038	0.6	0.6	0.5	0.4	0.4
Aug-2038	0.1	0.1	0.1	0.1	0.1
Sep-2038	1.0	0.9	0.8	0.7	0.6
Oct-2038	24.1	22.5	19.5	16.4	14.9
Nov-2038	123.2	115.1	99.6	84.0	75.9
Dec-2038	289.7	270.7	234.1	197.5	178.5
Jan-2039	279.4	260.9	225.5	190.1	171.7
Feb-2039	245.8	229.5	198.4	167.2	151.0
Mar-2039	193.4	180.6	156.1	131.6	118.8
Apr-2039	114.7	107.2	92.6	78.1	70.5
May-2039	54.1	50.5	43.6	36.8	33.2
Jun-2039	8.9	8.4	7.2	6.1	5.5
Jul-2039	0.6	0.6	0.5	0.4	0.4
Aug-2039	0.1	0.1	0.1	0.1	0.1
Sep-2039	1.0	0.9	0.8	0.7	0.6
Oct-2039	24.0	22.4	19.4	16.3	14.7
Nov-2039	122.7	114.6	99.0	83.5	75.4
Dec-2039	288.4	269.4	232.8	196.2	177.2
Jan-2040	278.1	259.7	224.3	188.8	170.4
Feb-2040	244.6	228.4	197.3	166.1	149.9
Mar-2040	192.5	179.8	155.2	130.7	117.9
Apr-2040	114.2	106.7	92.1	77.6	70.0
May-2040	53.8	50.2	43.4	36.5	33.0
Jun-2040	8.9	8.3	7.2	6.0	5.5
Jul-2040	0.6	0.6	0.5	0.4	0.4
Aug-2040	0.1	0.1	0.1	0.1	0.1
Sep-2040	1.0	0.9	0.8	0.6	0.6
Oct-2040	23.9	22.3	19.3	16.2	14.6
Nov-2040	122.1	114.0	98.5	82.9	74.8
Dec-2040	287.1	268.1	231.5	194.9	175.9

V. Calculating the Peak-Day Design Temperature

SDG&E's Peak-Day design temperature of 43.5 degrees Fahrenheit, denoted "Deg-F," is determined from a statistical analysis of observed annual minimum daily system average temperatures constructed from daily temperature recordings from the three U.S. Weather Bureau weather stations discussed above. Since we have a time series of daily data by year, the following notation will be used for the remainder of this discussion:

- (1) $AVG_{y,d}$ = system average value of Temperature
for calendar year "y" and day "d".

The calendar year, y, can range from 1972 through 2023, while the day, d, can range from 1 to 365, for non-leap years, or from 1 to 366 for leap years. The "upper" value for the day, d, thus depends on the calendar year, y, and will be denoted by $n(y)=365$, or 366, respectively, when y is a non-leap year or a leap year.

For each calendar year, we calculate the following statistic from our series of daily system average temperatures defined in equation (1) above:

- (2) $MinAVG_y = \min_{d=1}^{n(y)} \{ AVG_{y,d} \}$, for $y=1972, 1973, \dots, 2023$.

(The notation used in equation 2 means "For a particular year, y, list all the daily values of system average temperature for that year, then pick the smallest one.")

The resulting minimum annual temperatures are shown in Table 7, below. Most of the minimum temperatures occur in the months of December, January, or February; for a few calendar years the minimums occurred in March or November.

The statistical methods we use to analyze this data employ software developed to fit three generic probability models: the Generalized Extreme Value (GEV) model, the Double-Exponential or GUMBEL (EV1) model and a 2-Parameter Students' T-Distribution (T-Dist) model. [The GEV and EV1 models have the same mathematical specification as those implemented in a DOS-based executable-only computer code that was developed by Richard L. Lehman and described in a paper published in the Proceedings of the Eighth Conference on Applied Climatology, January 17-22, 1993, Anaheim, California, pp. 270-273, by the American Meteorological Society, Boston, MA., with the title "Two Software Products for Extreme Value Analysis: System Overviews of ANYEX and DDEX." At the time he wrote the paper, Dr. Lehman was with the Climate Analysis Center, National Weather Service/NOAA in Washington, D.C., zip code 20233.] The Statistical Analysis System (SAS) procedure for nonlinear statistical model estimation (PROC MODEL) was used to do the calculations. Further, the calculation procedures were implemented to fit the probability models to observed *maximums* of data, like heating degrees. By recognizing that:

$$-\text{MinAVG}_y = -\min_{d=1}^{n(y)} \{ \text{AVG}_{y,d} \} = \max_{d=1}^{n(y)} \{ -\text{AVG}_{y,d} \}, \text{ for } y=1972, \dots, 2023;$$

this same software, when applied to the *negative* of the minimum temperature data, yields appropriate probability model estimation results.

The calculations done to fit any one of the three probability models chooses the parameter values that provide the “best fit” of the parametric probability model’s calculated cumulative distribution function (CDF) to the empirical cumulative distribution function (ECDF). Note that the ECDF is constructed based on the variable “-MinAVG_y” (which is a *maximum* over a set of *negative* temperatures) with values of the variable MinAVG_y that are the same as shown in Table 7, below.

In Table 7, the data for -MinAVG_y are shown after they have been sorted from “lowest” to “highest” value. The ascending *ordinal* value is shown in the column labeled “RANK” and the empirical cumulative distribution function is calculated and shown in the next column. The formula used to calculate this function is:

$$\text{ECDF} = (\text{RANK} - \alpha) / [\text{MaxRANK} + (1 - 2\alpha)],$$

where the parameter “ α ” (shown as *alpha* in Table 8.1 and 8.2) is a “small” positive value (usually less than ½) that is used to bound the ECDF away from 0 and 1.

Of the three probability models considered (GEV, EV1, and T_Dist) the results obtained for the T_Dist model were selected since the fit to the ECDF was better than that of either the GEV model or the EV1 model. (Although convergence to stable parameter estimates is occasionally a problem with fitting a GEV model to the ECDF, the T_Dist model had no problems with convergence of the iterative procedure to estimate parameters.)

The T_Dist model used here is a three-parameter probability model where the variable $z = (-\text{MinAVG}_y - \gamma) / \theta$, for each year, y , is presumed to follow a T_Dist with location parameter, γ , and scale parameter, θ , and a third parameter, ν , that represents the number of degrees of freedom. For a given number of years of data, N , then $\nu=N-2$.

The following mathematical expression specifies the T_Dist model we fit to the data for “-MinAVG_y” shown in Table 7, below.

$$(3) \quad \text{ECDF}(-\text{MinAVG}_y) = \text{Prob} \{ -T < -\text{MinAVG}_y \} = \text{T_Dist}\{z; \gamma, \theta, \nu=N-2\},$$

where “T_Dist{ . }” is the cumulative probability distribution function for Student’s T-Distribution³, and

³ A common mathematical expression for Student’s T-Distribution is provided at http://en.wikipedia.org/wiki/Student%27s_t-distribution; with a probability density function

$$f(t) = \frac{\Gamma(\frac{\nu+1}{2})}{\sqrt{\nu\pi} \Gamma(\frac{\nu}{2})} \left(1 + \frac{t^2}{\nu} \right)^{-\frac{\nu+1}{2}},$$

$$(4) \quad z = (-\text{MinAVG}_y - \gamma) / \theta, \text{ for each year, } y, \text{ and}$$

the parameters “ γ ” and “ θ ” are estimated for this model for given degrees of freedom $v=N-2$. The estimated values for γ and θ are shown in Table 8.1 and 8.2 along with the fitted values of the model CDF (the column: “Fitted” Model CDF).

Now, to calculate a *peak-day design temperature*, TPDD_δ , with a specified likelihood, δ , that a value less than TPDD_δ would be observed, we use the equation below:

$$(5) \quad \delta = \text{Prob} \{ T \leq \text{TPDD}_\delta \}, \text{ which is equivalent to}$$

$$(6) \quad \delta = \text{Prob} \{ [(-T - \gamma) / \theta] \geq [(-\text{TPDD}_\delta - \gamma) / \theta] \}, = \text{Prob} \{ [(-T - \gamma) / \theta] \geq [z_\delta] \},$$

where $z_\delta = [(-\text{TPDD}_\delta - \gamma) / \theta]$. In terms of our probability model,

$$(7) \quad \delta = 1 - T_Dist\{ z_\delta; \gamma, \theta, v=N-2 \},$$

which yields the following equation for z_δ ,

(7') $z_\delta = \{ \text{TINV_Dist}\{ (1-\delta); \gamma, \theta, v=N-2 \},$ where “ $\text{TINV_Dist}\{ . \}$ ” is the inverse function of the $T_Dist\{ . \}$ function⁴. The implied equation for TPDD_δ is:

$$(8) \quad \text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)].$$

To calculate the minimum daily (system average) temperature to define our extreme weather event, we specify that this COLDEST-Day be one where the temperature would be lower with a “1-in-35” likelihood. This criterion translates into two equations to be solved based on equations (7) and (8) above:

$$(9) \quad \text{solve for “} z_\delta \text{” from equation (7') above with } (1-\delta) = (1 - 1/35) = 1 - 0.0286,$$

$$(10) \quad \text{solve for “} \text{TPDD}_\delta \text{” from } \text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)].$$

The value of $z_\delta = 1.947$ and $\text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)] = 43.5$ degrees Fahrenheit, with values for “ $v=N-2$ ”; along with “ γ ” and “ θ ” in Table 8.1 and 8.2 , below.

SDG&E’s “1-in-10” peak-day design temperature of 44.9 degrees Fahrenheit, is calculated in a methodologically similar way as for the 43.5 degree “1-in-35” peak day temperature. The criteria specified in equation (9) above for a “1-in-35” likelihood would be replaced by a “1-in-10” likelihood.

$$(9') \quad \text{solve for “} z_\delta \text{” from equation (7') above with } (1-\delta) = (1 - 1/10) = 1 - 0.1000,$$

which yields a “ z_δ ” value of $z_\delta = 1.299$ and, $\text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)] = 44.9$ with values for “ $v=N-2$ ”; along with “ γ ” and “ θ ” in Table 8.1 and 8.2 , below.

such that $T_Dist\{z; \gamma, \theta, v=N-2\} = \int_{-\infty}^z f(t) dt$, from $t=-\infty$ to $t=z$. Also, the notation $\Gamma(.)$ is known in mathematics as the GAMMA function; see http://www.wikipedia.org/wiki/Gamma_function for a description. Also, see *Statistical Theory*, 3rd Ed., B.W. Lindgren, MacMillian Pub. Inc, 1976, pp. 336-337.

⁴ Computer software packages such as SAS and EXCEL have implemented statistical and mathematical functions to readily calculate values for $T_Dist\{ . \}$ and $\text{TINV_Dist}\{ . \}$ as defined above.

A plot of the cumulative distribution function for MinAVG_y based on “ $v=N-2$ ”, the fitted model parameters, “ γ ” and “ θ ” with values in Table 8.1 and 8.2 , below, is shown in Figure 1.

Table 7

YEAR	MINAVG	Month(MinAvg)
1972	46.8333	Jan
1973	46.3333	Jan
1974	44.1667	Dec
1975	44.3333	Jan
1976	44.8333	Jan
1977	50.8333	Mar
1978	42.8333	Dec
1979	45.1667	Jan
1980	53.6667	Jan
1981	49.6667	Jan
1982	48.5000	Dec
1983	50.8333	Jan
1984	48.0000	Dec
1985	45.5000	Dec
1986	49.8333	Feb
1987	41.3333	Dec
1988	45.1667	Dec
1989	45.0000	Jan
1990	43.5000	Feb
1991	48.3333	Mar
1992	47.0000	Dec
1993	46.8333	Jan
1994	47.8333	Nov
1995	51.1667	Dec
1996	48.6667	Feb
1997	48.8333	Dec
1998	46.8333	Dec
1999	48.6667	Jan
2000	50.3333	Mar
2001	47.5000	Jan
2002	45.5000	Jan
2003	49.0000	Dec
2004	47.8333	Nov
2005	48.0000	Jan
2006	48.6667	Mar
2007	43.1667	Jan
2008	49.0000	Dec
2009	48.5000	Feb
2010	47.8333	Dec
2011	48.8333	Dec
2012	48.1667	Dec
2013	44.1667	Jan
2014	47.6667	Dec
2015	47.6667	Jan
2016	50.1667	Feb
2017	51.0000	Jan
2018	49.6667	Feb
2019	48.1667	Feb
2020	48.3333	Feb
2021	47.8333	Dec
2022	47.5000	Feb
2023	48.0000	Mar

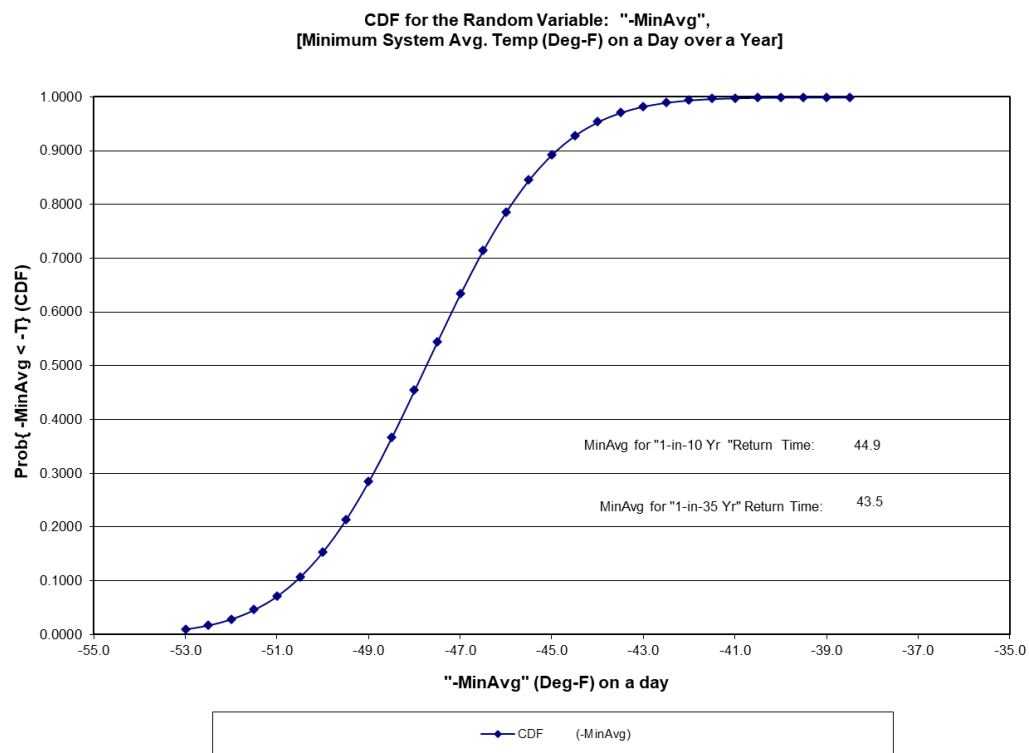
Table 8.1 (alpha=0.375)

Year	-MinAvg	Month(- MinAvg)	Rank	Empirical CDF	Model - [(-MinAvg - γ)/θ]	Model - Fitted CDF
1980	-53.6667	Jan	1	0.0120	-2.5382	0.0072
1995	-51.1667	Dec	2	0.0311	-1.4995	0.0700
2017	-51.0000	Jan	3	0.0502	-1.4302	0.0794
1977	-50.8333	Mar	4	0.0694	-1.3610	0.0898
1983	-50.8333	Jan	5	0.0885	-1.3610	0.0898
2000	-50.3333	Mar	6	0.1077	-1.1532	0.1272
2016	-50.1667	Feb	7	0.1268	-1.0840	0.1418
1986	-49.8333	Feb	8	0.1459	-0.9455	0.1745
1981	-49.6667	Jan	9	0.1651	-0.8762	0.1925
2018	-49.6667	Feb	10	0.1842	-0.8762	0.1925
2003	-49.0000	Dec	11	0.2033	-0.5993	0.2759
2008	-49.0000	Dec	12	0.2225	-0.5993	0.2759
1997	-48.8333	Dec	13	0.2416	-0.5300	0.2992
2011	-48.8333	Dec	14	0.2608	-0.5300	0.2992
1996	-48.6667	Feb	15	0.2799	-0.4608	0.3235
1999	-48.6667	Jan	16	0.2990	-0.4608	0.3235
2006	-48.6667	Mar	17	0.3182	-0.4608	0.3235
1982	-48.5000	Dec	18	0.3373	-0.3915	0.3485
2009	-48.5000	Feb	19	0.3565	-0.3915	0.3485
1991	-48.3333	Mar	20	0.3756	-0.3223	0.3743
2020	-48.3333	Feb	21	0.3947	-0.3223	0.3743
2012	-48.1667	Dec	22	0.4139	-0.2530	0.4006
2019	-48.1667	Feb	23	0.4330	-0.2530	0.4006
1984	-48.0000	Dec	24	0.4522	-0.1838	0.4275
2005	-48.0000	Jan	25	0.4713	-0.1838	0.4275
2023	-48.0000	Mar	26	0.4904	-0.1838	0.4275
1994	-47.8333	Nov	27	0.5096	-0.1145	0.4546
2004	-47.8333	Nov	28	0.5287	-0.1145	0.4546
2010	-47.8333	Dec	29	0.5478	-0.1145	0.4546
2021	-47.8333	Dec	30	0.5670	-0.1145	0.4546
2014	-47.6667	Dec	31	0.5861	-0.0453	0.4820
2015	-47.6667	Jan	32	0.6053	-0.0453	0.4820
2001	-47.5000	Jan	33	0.6244	0.0240	0.5095
2022	-47.5000	Feb	34	0.6435	0.0240	0.5095
1992	-47.0000	Dec	35	0.6627	0.2317	0.5911
1972	-46.8333	Jan	36	0.6818	0.3010	0.6177
1993	-46.8333	Jan	37	0.7010	0.3010	0.6177
1998	-46.8333	Dec	38	0.7201	0.3010	0.6177
1973	-46.3333	Jan	39	0.7392	0.5087	0.6934
1985	-45.5000	Dec	40	0.7584	0.8549	0.8017
2002	-45.5000	Jan	41	0.7775	0.8549	0.8017
1979	-45.1667	Jan	42	0.7967	0.9934	0.8374
1988	-45.1667	Dec	43	0.8158	0.9934	0.8374
1989	-45.0000	Jan	44	0.8349	1.0627	0.8535
1976	-44.8333	Jan	45	0.8541	1.1319	0.8685
1975	-44.3333	Jan	46	0.8732	1.3397	0.9068
1974	-44.1667	Dec	47	0.8923	1.4089	0.9175
2013	-44.1667	Jan	48	0.9115	1.4089	0.9175
1990	-43.5000	Feb	49	0.9306	1.6859	0.9510
2007	-43.1667	Jan	50	0.9498	1.8244	0.9630
1978	-42.8333	Dec	51	0.9689	1.9629	0.9724
1987	-41.3333	Dec	52	0.9880	2.5861	0.9937

Table 8.2

"Gamma"	
(Fitted) =	-47.75
"Theta"	
(Fitted) =	2.19
Deg.	
Freedom=	50

Figure 1



VI. Estimating the Uncertainty in the Peak-Day Design Temperature

The calculated peak-day design temperatures in section V above also have a statistical uncertainty associated with them. The estimated measures of uncertainty recommended for our use are calculated from the fitted model for the probability distribution and are believed to be reasonable, although rough, approximations.

The basic approach used the estimated parameters for the probability distribution (see the results provided in Table 8.1 and 8.2, above) to calculate the fitted temperatures as a function of the empirical CDF listed in Table 8.1 and 8.2. These fitted temperatures are then “compared” with the observed temperatures by calculating the difference = “observed” – “fitted” values. The full set of differences are then separated into the lower third (L), the middle third (M) and the upper third (U) of the distribution. Finally, calculate values of the root-mean-square error (RMSE) of the differences in each third of the distribution, along with the entire set of differences overall. The data in Table 9, below, show the temperature data and the resulting RMSE values.

The formula below is used to calculate the RMSE for a specified set of “N” data differences:

$$\text{RMSE} = \text{SQRT} \left\{ \left(\sum_{i=1, \dots, N} e[i]^2 \right) / (N-2) \right\},$$

where $e[i] = \text{observed less fitted value of temperature, } T[i]$. The number of estimated parameters (3 for the GEV model, 2 for the T-Dist and EV1 models) is subtracted from the respective number of data differences, N, in the denominator of the RMSE expression.

Since both the “1-in-35” and “1-in-10” peak-day temperature values are in the lower third quantile of the fitted distribution, the calculated standard error for these estimates is 0.76 Deg-F.

Table 9

<u>Quantile: (Lower, Middle, Upper 3rd's)</u>	<u>Observed $T_{[i]}$ Temp. Ranked</u>	<u>Fitted Value of $T_{[i]}$ i</u>	<u>Residual $e_{[i]}$: Obs'd. less Fitted Value of $T_{[i]}$</u>	<u>Square of $e_{[i]}$:</u>
U	53.6667	52.8415	0.8252	0.680896
U	51.1667	51.9197	-0.7531	0.567109
U	51.0000	51.4082	-0.4082	0.166587
U	50.8333	51.0387	-0.2054	0.042186
U	50.8333	50.7433	0.0901	0.008110
U	50.3333	50.4935	-0.1602	0.025666
U	50.1667	50.2749	-0.1083	0.011720
U	49.8333	50.0789	-0.2455	0.060295
U	49.6667	49.8999	-0.2333	0.054414
U	49.6667	49.7344	-0.0677	0.004581
U	49.0000	49.5795	-0.5795	0.335789
U	49.0000	49.4333	-0.4333	0.187770
U	48.8333	49.2944	-0.4611	0.212578
U	48.8333	49.1615	-0.3282	0.107692
U	48.6667	49.0337	-0.3670	0.134700
U	48.6667	48.9102	-0.2435	0.059291
U	48.6667	48.7903	-0.1236	0.015284
M	48.5000	48.6735	-0.1735	0.030111
M	48.5000	48.5594	-0.0594	0.003525
M	48.3333	48.4474	-0.1141	0.013016
M	48.3333	48.3373	-0.0040	0.000016
M	48.1667	48.2287	-0.0620	0.003846
M	48.1667	48.1212	0.0454	0.002063
M	48.0000	48.0147	-0.0147	0.000217
M	48.0000	47.9088	0.0912	0.008311
M	48.0000	47.8033	0.1967	0.038682
M	47.8333	47.6979	0.1354	0.018333
M	47.8333	47.5924	0.2409	0.058037
M	47.8333	47.4865	0.3468	0.120269
M	47.8333	47.3800	0.4533	0.205502
M	47.6667	47.2726	0.3941	0.155305
M	47.6667	47.1640	0.5027	0.252717
M	47.5000	47.0538	0.4462	0.199061
M	47.5000	46.9419	0.5581	0.311490
M	47.0000	46.8277	0.1723	0.029676
L	46.8333	46.7110	0.1224	0.014975
L	46.8333	46.5911	0.2422	0.058681
L	46.8333	46.4676	0.3658	0.133779
L	46.3333	46.3398	-0.0064	0.000041
L	45.5000	46.2069	-0.7069	0.499654
L	45.5000	46.0679	-0.5679	0.322548
L	45.1667	45.9218	-0.7551	0.570203
L	45.1667	45.7669	-0.6002	0.360288
L	45.0000	45.6013	-0.6013	0.361591
L	44.8333	45.4224	-0.5890	0.346970
L	44.3333	45.2263	-0.8930	0.797444
L	44.1667	45.0077	-0.8411	0.707366
L	44.1667	44.7580	-0.5913	0.349650
L	43.5000	44.4625	-0.9625	0.926468
L	43.1667	44.0931	-0.9264	0.858291
L	42.8333	43.5815	-0.7482	0.559790
L	41.3333	42.6598	-1.3264	1.759395

Overall RMSE (e[i]):	0.5050	°F
Upper 3rd RMSE (e[i]):	0.4223	°F
Middle 3rd RMSE (e[i]):	0.3011	°F
Lower 3rd RMSE (e[i]):	0.7584	°F

VII. The Relationship between Annual Likelihoods for Peak-Day Temperatures and “Expected Return Time”

The event whose probability distribution we’ve modeled is the likelihood that the minimum daily temperature over a calendar year is less than a specified value. And, in particular, we’ve used this probability model to infer the value of a temperature, our *peak-day design temperature* (TPDD_δ), that corresponds to a pre-defined likelihood, δ, that the observed minimum temperature is less than or equal to this design temperature.

$$(1) \quad \delta = \text{Prob}\{ \text{Minimum Daily Temperature over the Year} < \text{TPDD}_{\delta} \}.$$

For some applications, it is useful to think of how this specified likelihood (or “risk level” δ) relates to the expected number of years until this Peak-Day event would first occur. This expected number of years is what is meant by the *return period*. The results stated below are found in the book: ***Statistics of Extremes***, E.J. Gumbel, Columbia University Press, 1958, on pages 21-25.

$$(2) \quad E[\# \text{Yrs for Peak-Day Event to Occur}] = 1 / \delta,$$

$$1 / \text{Prob}\{ \text{Minimum Daily Temperature over the Year} < \text{TPDD}_{\delta} \}.$$

For our peak-day design temperature (43.5°F) associated with a 1-in-35 annual likelihood, the return period is 35 years (δ=1/35). For the 44.9°F peak-day design temperature, the return period is 10 years (δ=1/10). Occasionally, a less precise terminology is used. For example, the 43.5°F peak-day design temperature may be referred to as a “1-in-35 year cold day”; and the 44.9°F peak-day design temperature may be referred to as a “1-in-10 year cold day.”

The probability model for the *return period*, as a random variable, is a geometric (discrete) distribution with positive integer values for the *return period*. The parameter δ = Prob{ Minimum Daily Temperature over the Year < TPDD_δ }.

$$(3) \quad \text{Prob}\{ \text{return period} = r \} = (1 - \delta)^{(r-1)} \delta, \text{ for } r = 1, 2, 3, \dots$$

The expected value of the *return period* is already given in (2) above; the variance of the *return period* is:

$$(4) \quad \text{Var}[\text{return period}] = (E[\text{return period}])^2 \times (1 - (1 / E[\text{return period}])),$$

$$(4') \quad \text{Var}[\text{return period}] = (E[\text{return period}]) \times (E[\text{return period}] - 1).$$

Equations (4) and (4') indicate that the standard deviation (square root of the variance) of the *return period* is nearly equal to its expected value. Thus, there is substantial variability about the expected value—a *return period* is not very precise.