Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number: 209-526-7486

Electricity Resource Planning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electric
Adopted by the California Energy Commission on January 19, 2005

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	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07
1	All	Forecast Total Peak Demand		372	358	351	395	525	[illegible]	[illegible]	681	627	476	373	395	385
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	372	358	351	395	525	619	671	681	627	476	373	395	385
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	47	46	44	50	69	81	88	90	81	59	47	49	49
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	419	404	395	445	594	700	759	771	708	535	419	444	434
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3	3	3	3	0	0	0	0	3	3	3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	423	407	399	449	597	700	759	771	708	538	423	447	437
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47	47	47	44	44	44	44	47	47	47	47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330	330	330	327	327	327	327	330	330	330	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	62	62	62	62	62	15	15	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	62	62	62	62	62	15	15	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	3	3	3	3	0	0	0	0	3	3	3	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3	3	3	3	0	0	0	0	3	3	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	395	395	395	395	392	389	389	389	392	348	348	395	395
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		4	3	4	4	6	9	11	13	15	13	10	7	4
41	All	Future Wind		4	3	4	4	6	0	0	0	0	13	10	7	4
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	7	7	7	8	11	9	11	13	15	25	19	13	7
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		30	30	30	30	30	30	30	30	0	0	0	0	0
45	All	Klamath		48	48	48	48	48	48	48	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	68	68	68	68	68	34	68	68	68
47	All	Hershey Cogen		5	5	5	5	5	5	5	5	5	5	5	5	5
48	All	CCSF Class 1		15	19	20	24	28	41	43	40	46	41	21	28	15
49	All	Morgan_7X24		0	0	0	0	0	0	24	24	24	24	24	24	24
50	All	Morgan_6X16		0	0	0	24	24	24	24	24	24	0	0	0	0
51	All	Const_6X16		0	0	0	0	0	0	25	25	25	0	0	0	0
52	All	PPM_6X8		0	0	0	24	24	24	24	24	24	0	0	0	0
53	All	MorganBase_7X24		0	0	0	0	0	0	0	24	24	24	24	24	24
54	All	Morgan Q34Pur_7X24		0	0	0	0	0	0	24	24	24	24	24	24	0
55	All	PPM Call							48	48	48	48				
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	166	170	171	223	226	286	361	336	310	151	166	173	136
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		0	0	0	0	0	0	0	2	0	14	0	0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	568	572	574	626	629	684	761	740	717	538	534	582	539
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	0	0	0	22	22	22	22	22	0	0	0	0
61	IOU	Uncommitted Dispatchable Demand Response		0	0	0	0	4	7	9	9	7	0	0	0	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	568	572	574	626	655	713	792	771	746	538	534	582	539
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

Electricity Resource Planning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electrici
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Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

									52	53	54	52				
Applies To:	**PEAK DEMAND CALCULATIONS (MW):**	Sum of lines:	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07

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Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08
1	All	Forecast Total Peak Demand		371	364	409	543	638	689	703	640	493	386	409	398	383
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	I - (sum 4 thru 8)	371	364	409	543	638	689	703	640	493	386	409	398	383
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	48	46	52	72	84	90	93	83	61	48	51	54	52
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	418	410	461	616	722	779	796	723	554	434	460	451	435
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3	3	3	0	0	0	0	3	3	3	3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	422	413	465	619	722	779	796	723	558	438	463	455	438
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47	47	44	44	44	44	47	47	47	47	47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330	330	327	327	327	327	330	330	330	330	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	62	62	62	62	15	15	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	62	62	62	62	15	15	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	3	3	3	0	0	0	0	3	3	3	3	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3	3	3	0	0	0	0	3	3	3	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	395	395	395	392	389	389	389	392	348	348	395	395	395
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		3	4	4	6	9	11	13	15	13	10	7	4	3
41	All	Future Wind		3	4	4	6	9	11	13	15	13	10	7	7	7
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	7	7	8	11	18	23	26	29	25	19	13	11	10
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	68	68	68	68	34	68	68	68	68
47	All	Hershey Cogen		5	5	5	5	5	5	5	5	5	5	5	5	0
48	All	CCSF Class 1		19	21	25	29	42	44	41	47	42	22	29	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		0	0	24	24	24	24	24	24	0	0	0	0	0
51	All	Const_6X16		0	0	0	0	0	25	25	25	0	0	0	0	0
52	All	PPM_6X8		0	0	24	24	24	24	24	24	0	0	0	0	0
53	All	MorganBase_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
54	All	Morgan Q34Pur_7X24		0	0	0	0	0	24	24	24	24	24	24	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	140	142	194	196	209	261	257	263	152	167	174	121	116
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		0	0	0	0	74	72	89	7	32	0	0	0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	542	544	597	600	690	744	761	691	558	535	583	527	522
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	0	0	22	22	22	22	22	0	0	0	0	0
61	IOU	Uncommitted Dispatchable Demand Response		0	0	0	5	10	13	13	10	0	0	0	0	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	542	544	597	627	722	779	796	723	558	535	583	527	522
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

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Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

Applies To:	**PEAK DEMAND CALCULATIONS (MW):**	Sum of lines:	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08

ırce Planning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Plan
Adopted by the California Energy Commission on January 19, 2005 **Adopted**

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
1	All	Forecast Total Peak Demand		376	423	561	660	711	726	662	509	399	423	413	397	390
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	376	423	561	660	711	726	662	509	399	423	413	397	390
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	51	58	79	94	101	103	93	70	54	57	56	54	53
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	427	481	640	754	812	829	755	579	452	480	469	451	443
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3	3	0	0	0	0	3	3	3	3	3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	430	484	644	754	812	829	755	582	456	483	472	454	446
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47	44	44	44	44	47	47	47	47	47	47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330	327	327	327	327	330	330	330	330	330	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	62	62	62	15	15	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	62	62	62	15	15	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	3	3	0	0	0	0	3	3	3	3	3	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3	3	0	0	0	0	3	3	3	3	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	395	395	392	389	389	389	392	348	348	395	395	395	395
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		4	4	6	9	11	13	15	13	10	7	4	3	4
41	All	Future Wind		7	8	11	18	23	26	29	25	19	13	7	7	7
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	11	12	17	26	34	39	44	38	29	20	11	10	11
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	68	68	68	34	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		0	24	24	24	24	24	24	0	0	0	0	0	0
51	All	Const_6X16		0	0	0	0	25	25	25	0	0	0	0	0	0
52	All	PPM_6X8		0	24	24	24	24	24	24	0	0	0	0	0	0
53	All	MorganBase_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
54	All	Morgan Q34Pur_7X24		0	0	0	0	24	24	24	24	24	24	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	116	165	163	163	211	211	211	105	140	140	116	116	116
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		0	0	44	143	142	154	75	91	0	0	0	0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	522	571	616	721	776	793	722	582	518	555	522	522	522
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	0	22	22	22	22	22	0	0	0	0	0	0
61	IOU	Uncommitted Dispatchable Demand Response		0	0	6	11	14	14	11	0	0	0	0	0	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	522	571	644	754	812	829	755	582	518	555	522	522	522
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0

ırce Planning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Plan
Adopted by the California Energy Commission on January 19, 2005 Adopted

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

Applies To:	**PEAK DEMAND CALCULATIONS (MW):**	Sum of lines:	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09

ıning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Planning For
by the California Energy Commission on January 19, 2005 Adopted by the C

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10
1	All	Forecast Total Peak Demand		438	582	684	738	753	686	528	413	438	427	411	403	453
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	438	582	684	738	753	686	528	413	438	427	411	403	453
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	60	82	97	105	107	97	73	56	60	58	56	55	63
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	498	664	782	843	860	783	601	469	497	485	467	458	516
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3	0	0	0	0	3	3	3	3	3	3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	502	668	782	843	860	783	604	472	501	488	471	461	519
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	44	44	44	44	47	47	47	47	47	47	47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	327	327	327	327	330	330	330	330	330	330	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	62	62	15	15	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	62	62	15	15	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	3	0	0	0	0	3	3	3	3	3	3	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3	0	0	0	0	3	3	3	3	3	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	395	392	389	389	389	392	348	348	395	395	395	395	395
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		4	6	9	11	13	15	13	10	7	4	3	4	4
41	All	Future Wind		8	11	18	23	26	29	25	19	13	7	7	7	8
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	12	17	26	34	39	44	38	29	20	11	10	11	12
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	68	68	34	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan 7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan 6X16		24	24	24	24	24	24	0	0	0	0	0	0	24
51	All	Const 6X16		0	0	0	25	25	25	0	0	0	0	0	0	0
52	All	PPM_6X8		24	24	24	24	24	24	0	0	0	0	0	0	24
53	All	MorganBase_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
54	All	Morgan Q34Pur_7X24		0	0	0	24	24	24	24	24	24	0	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	165	163	163	211	211	211	105	140	140	116	116	116	165
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		0	68	171	173	185	103	113	0	0	0	0	0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+574	571	640	749	807	824	750	604	518	555	522	522	522	571
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	22	22	22	22	22	0	0	0	0	0	0	0
61	IOU	Uncommitted Dispatchable Demand Response		0	6	11	14	14	11	0	0	0	0	0	0	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	571	668	782	843	860	783	604	518	555	522	522	522	571
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

ıning Form S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Fo
by the California Energy Commission on January 19, 2005 Adopted by the C

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10

rm S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: I
California Energy Commission on January 19, 2005 Adopted by the Californi

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11
1	All	Forecast Total Peak Demand		602	707	763	779	709	546	428	453	442	425	417	469	623
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	602	707	763	779	709	546	428	453	442	425	417	469	623
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	85	101	108	111	100	76	58	62	60	59	57	65	88
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	687	808	871	889	809	621	486	515	502	483	474	534	711
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	0	0	0	0	3	3	3	3	3	3	3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	691	808	871	889	809	625	489	518	505	487	477	537	715
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		44	44	44	44	47	47	47	47	47	47	47	47	44
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	327	327	327	327	330	330	330	330	330	330	330	330	327
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	62	15	15	62	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	62	15	15	62	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	0	0	0	0	3	3	3	3	3	3	3	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	0	0	0	0	3	3	3	3	3	3	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	392	389	389	389	392	348	348	395	395	395	395	395	392
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		6	9	11	13	15	13	10	7	4	3	4	4	6
41	All	Future Wind		11	18	23	26	29	25	19	13	7	7	7	8	11
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	17	26	34	39	44	38	29	20	11	10	11	12	17
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	68	34	68	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		24	24	24	24	24	0	0	0	0	0	0	24	24
51	All	Const_6X16		0	0	25	25	25	0	0	0	0	0	0	0	0
52	All	PPM_6X8		24	24	24	24	24	0	0	0	0	0	0	24	24
53	All	MorganBase_7X24		24	24	24	24	24	24	24	24	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		0	0	24	24	24	24	24	24	0	0	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	163	163	211	211	211	105	140	140	92	92	92	140	139
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		0	46	50	64	0	0	0	0	0	0	0	0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	572	624	684	702	647	491	518	555	498	497	498	547	548
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		22	22	22	22	22	0	0	0	0	0	0	0	22
61	IOU	Uncommitted Dispatchable Demand Response		6	12	15	15	12	0	0	0	0	0	0	0	6
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	600	658	721	739	681	491	518	555	498	497	498	547	576
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

rm S-1: Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: I
California Energy Commission on January 19, 2005 Adopted by the Californi

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11

Dependable Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependa
a Energy Commission on January 19, 2005 Adopted by the California Energy

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12
1	All	Forecast Total Peak Demand		733	790	806	735	565	443	469	457	440	431	485	644	757
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	733	790	806	735	565	443	469	457	440	431	485	644	757
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	105	112	115	104	79	60	64	62	61	59	68	91	108
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	838	903	921	839	643	503	533	519	501	490	552	735	865
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		0	0	0	0	3	3	3	3	3	3	3	3	0
13	All	Firm Peak Resource Requirement	Sum 11 + 12	838	903	921	839	647	506	536	522	504	493	556	739	865
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		44	44	44	47	47	47	47	47	47	47	47	44	44
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	327	327	327	330	330	330	330	330	330	330	330	327	327
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	62	15	15	62	62	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	62	15	15	62	62	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		0	0	0	0	3	3	3	3	3	3	3	3	0
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	0	0	0	0	3	3	3	3	3	3	3	3	0
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	389	389	389	392	348	348	395	395	395	395	395	392	389
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		9	11	13	15	13	10	7	4	3	4	4	6	9
41	All	Future Wind		18	23	26	29	25	19	13	7	7	7	8	11	18
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	26	34	39	44	38	29	20	11	10	11	12	17	26
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	68	34	68	68	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	.All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		24	24	24	24	0	0	0	0	0	0	24	24	24
51	All	Const_6X16		0	25	25	25	0	0	0	0	0	0	0	0	0
52	All	PPM_6X8		24	24	24	24	0	0	0	0	0	0	24	24	24
53	All	MorganBase_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		0	24	24	24	24	24	24	0	0	0	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	139	188	188	188	81	116	116	92	92	92	140	139	139
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		100	106	119	32	29	0	0	0	0	0	0	13	126
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	654	716	734	655	497	493	531	498	497	498	547	561	680
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		22	22	22	22	0	0	0	0	0	0	0	22	22
61	IOU	Uncommitted Dispatchable Demand Response		12	15	15	12	0	0	0	0	0	0	0	6	13
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	688	753	771	689	497	493	531	498	497	498	547	589	715
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

Dependable Capacity Resource Accounting Table (CRATs Electricity Resource Planning Form S-1: Dependa
a Energy Commission on January 19, 2005 Adopted by the California Energy

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12

ble Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capa
Commission on January 19, 2005 Adopted by the California Energy Commi

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13
1	All	Forecast Total Peak Demand		816	833	759	584	457	485	474	456	447	503	668	784	846
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	816	833	759	584	457	485	474	456	447	503	668	784	846
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	116	119	108	81	62	67	65	63	62	70	95	112	121
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	932	952	866	665	519	551	539	519	509	573	763	897	967
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		0	0	0	3	3	3	3	3	3	3	3	0	0
13	All	Firm Peak Resource Requirement	Sum 11 + 12	932	952	866	668	522	555	542	522	512	576	766	897	967
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		44	44	47	47	47	47	47	47	47	47	44	44	44
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	327	327	330	330	330	330	330	330	330	330	327	327	327
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	62	15	15	62	62	62	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	62	15	15	62	62	62	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		0	0	0	3	3	3	3	3	3	3	3	0	0
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	0	0	0	3	3	3	3	3	3	3	3	0	0
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	389	389	392	348	348	395	395	395	395	395	392	389	389
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		11	13	15	13	10	7	4	3	4	4	6	9	11
41	All	Future Wind		23	26	29	25	19	13	7	7	7	8	11	18	23
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	34	39	44	38	29	20	11	10	11	12	17	26	34
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	68	34	68	68	68	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		24	24	24	0	0	0	0	0	0	24	24	24	24
51	All	Const_6X16		25	25	25	0	0	0	0	0	0	0	0	0	25
52	All	PPM_6X8		24	24	24	0	0	0	0	0	0	24	24	24	24
53	All	MorganBase_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		24	24	24	24	24	24	0	0	0	0	0	0	24
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	188	188	188	81	116	116	92	92	92	140	139	139	188
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		134	149	58	51	0	0	0	0	0	0	0	108	118
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	744	764	681	518	493	531	498	497	498	547	548	662	729
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		22	22	22	0	0	0	0	0	0	0	22	22	22
61	IOU	Uncommitted Dispatchable Demand Response		16	16	13	0	0	0	0	0	0	0	6	13	16
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	782	802	716	518	493	531	498	497	498	547	576	697	767
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

ble Capacity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capa
' Commission on January 19, 2005 Adopted by the California Energy Commi

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13

icity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capacity Res
ssion on January 19, 2005 Adopted by the California Energy Commission on

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14
1	All	Forecast Total Peak Demand		864	787	606	474	502	487	469	459	517	687	807	871	889
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direet Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	864	787	606	474	502	487	469	459	517	687	807	871	889
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	123	112	85	65	69	67	65	64	72	98	116	124	127
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	987	899	690	539	571	553	534	522	589	784	923	995	1,016
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		0	0	3	3	3	3	3	3	3	3	0	0	0
13	All	Firm Peak Resource Requirement	Sum 11 + 12	987	899	694	542	574	557	537	526	592	788	923	995	1,016
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		44	47	47	47	47	47	47	47	47	44	44	44	44
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	327	330	330	330	330	330	330	330	330	327	327	327	327
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	62	15	15	62	62	62	62	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	62	15	15	62	62	62	62	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		0	0	3	3	3	3	3	3	3	3	0	0	0
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	0	0	3	3	3	3	3	3	3	3	0	0	0
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	389	392	348	348	395	395	395	395	395	392	389	389	389
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		13	15	13	10	7	4	3	4	4	0	0	0	0
41	All	Future Wind		26	29	25	19	13	7	7	7	8	11	18	23	26
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	39	44	38	29	20	11	10	11	12	11	18	23	26
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	68	34	68	68	68	68	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		24	24	0	0	0	0	0	0	24	24	24	24	24
51	All	Const_6X16		25	25	0	0	0	0	0	0	0	0	0	25	25
52	All	PPM_6X8		24	24	0	0	0	0	0	0	24	24	24	24	24
53	All	MorganBase_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		24	24	24	24	24	0	0	0	0	0	0	24	24
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	188	188	81	116	116	92	92	92	140	139	139	188	188
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		134	41	26	0	0	0	0	0	0	16	142	157	175
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	749	664	494	493	531	498	497	498	547	559	687	756	777
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		22	22	0	0	0	0	0	0	0	22	22	22	22
61	IOU	Uncommitted Dispatchable Demand Response		16	13	0	0	0	0	0	0	0	7	14	17	17
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	787	699	494	493	531	498	497	498	547	588	723	795	816
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

icity Resource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capacity Res
ssion on January 19, 2005 Adopted by the California Energy Commission on

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14

ource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capacity Resource A
January 19, 2005 Adopted by the California Energy Commission on January

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15
1	All	Forecast Total Peak Demand		809	623	488	517	503	484	474	534	708	833	898	917	836
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	809	623	488	517	503	484	474	534	708	833	898	917	836
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	115	87	67	71	69	67	66	75	101	120	129	131	119
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	924	710	555	588	572	551	539	608	810	953	1,027	1,049	955
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		0	3	3	3	3	3	3	3	3	0	0	0	0
13	All	Firm Peak Resource Requirement	Sum 11 + 12	924	713	558	591	575	554	543	612	813	953	1,027	1,049	955
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47	47	47	47	47	47	47	44	44	44	44	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330	330	330	330	330	330	330	327	327	327	327	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		62	15	15	62	62	62	62	62	62	62	62	62	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	62	15	15	62	62	62	62	62	62	62	62	62	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		0	3	3	3	3	3	3	3	3	0	0	0	0
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	0	3	3	3	3	3	3	3	3	0	0	0	0
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	392	348	348	395	395	395	395	395	392	389	389	389	392
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		0	0	0	0	0	0	0	0	0	0	0	0	0
41	All	Future Wind		29	25	19	13	7	7	7	8	11	18	23	26	29
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	29	25	19	13	7	7	7	8	11	18	23	26	29
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		68	34	68	68	68	68	68	68	68	68	68	68	68
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	24	24	24	24
50	All	Morgan_6X16		24	0	0	0	0	0	0	24	24	24	24	24	24
51	All	Const_6X16		25	0	0	0	0	0	0	0	0	0	25	25	25
52	All	PPM_6X8		24	0	0	0	0	0	0	24	24	24	24	24	24
53	All	MorganBase_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		24	24	24	24	0	0	0	0	0	0	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	188	81	116	116	92	92	92	140	139	139	164	164	164
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		80	58	0	0	0	0	0	0	42	171	212	231	134
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	688	513	484	525	494	494	494	543	584	717	788	810	719
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		22	0	0	0	0	0	0	0	22	22	22	22	22
61	IOU	Uncommitted Dispatchable Demand Response		14	0	0	0	0	0	0	0	7	14	17	17	14
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	724	513	484	525	494	494	494	543	613	753	827	849	755
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

ource Accounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capacity Resource A
January 19, 2005 Adopted by the California Energy Commission on January

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15

ccounting Table (CRATs Electricity Resource Planning Form S-1: Dependable Capacity Resource Accountin
19, 2005 Adopted by the California Energy Commission on January 19, 200

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
1	All	Forecast Total Peak Demand		643	503	533	519	499	489	550	730	859	927	946	862	663
2	ESP	Peak Demand: Existing Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	643	503	533	519	499	489	550	730	859	927	946	862	663
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	90	69	74	72	70	68	77	104	124	133	136	123	93
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	733	572	606	590	568	557	627	835	982	1,060	1,082	985	756
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3	3	3	3	3	3	3	0	0	0	0	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	736	575	610	594	571	560	630	838	982	1,060	1,082	985	759
		EXISTING & PLANNED RESOURCES														
		Utility-Controlled Fossil and Nuclear Resources:														
14	IOU/Muni	McClure (2 CT Units)		108	108	108	108	108	108	108	108	108	108	108	108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47	47	47	47	47	47	44	44	44	44	47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83	83	83	83	83	83	83	83	83	83	83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92	92	92	92	92	92	92	92	92	92	92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330	330	330	330	330	330	327	327	327	327	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):														
18	IOU/Muni	Total for all plants over 30 MW nameplate		15	15	62	62	62	62	62	62	62	62	62	62	15
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0	0	0	0	0	0	0	0	0	0	0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0	0	0	0	0	0	0	0	0	0	0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	15	15	62	62	62	62	62	62	62	62	62	62	15

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:														
23	IOU/Muni	New Hogan		3	3	3	3	3	3	3	3	0	0	0	0	3
24	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
25	IOU/Muni			0	0	0	0	0	0	0	0	0	0	0	0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3	3	3	3	3	3	3	0	0	0	0	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	348	348	395	395	395	395	395	392	389	389	389	392	348
		EXISTING & PLANNED CONTRACTUAL RESOURCES														
		DWR Contracts:														
28	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	IOU	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0	0	0	0	0	0	0	0	0	0	0	0
		QF Contracts by fuel types:														
32	IOU, LADWP	Natural gas		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	IOU, LADWP	Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0	0	0	0	0	0	0	0	0	0	0	0
		Existing & Planned Renewable Contracts:														
40	All	HighWinds (Wind Energy)		0	0	0	0	0	0	0	0	0	0	0	0	0
41	All	Future Wind		25	19	13	7	7	7	8	11	18	23	26	29	25
42	All															
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	25	19	13	7	7	7	8	11	18	23	26	29	25
	Applies To:	**Other Bilateral Contracts:**														
44	All	Calpine		0	0	0	0	0	0	0	0	0	0	0	0	0
45	All	Klamath		0	0	0	0	0	0	0	0	0	0	0	0	0
46	All	San Juan		34	68	68	68	68	68	68	68	68	68	68	68	34
47	All	Hershey Cogen		0	0	0	0	0	0	0	0	0	0	0	0	0
48	All	CCSF Class 1		0	0	0	0	0	0	0	0	0	0	0	0	0
49	All	Morgan_7X24		24	24	24	24	24	24	24	24	24	0	0	0	0
50	All	Morgan_6X16		0	0	0	0	0	0	0	0	0	0	0	0	0
51	All	Const_6X16		0	0	0	0	0	0	0	0	0	0	0	0	0
52	All	PPM_6X8		0	0	0	0	0	0	0	0	0	0	0	0	0
53	All	MorganBase_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
54	All	Morgan Q34Pur_7X24		0	0	0	0	0	0	0	0	0	0	0	0	0
55	All	PPM Call														
56	All	Placeholder		0	0	0	0	0	0	0	0	0	0	0	0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	58	92	92	92	92	92	92	91	91	68	68	68	34
		Short Term and Spot Market Purchases:														
58	All	Short Term and Spot Market Purchases		105	0	0	0	0	0	0	64	198	291	309	210	102
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	536	459	500	494	494	494	495	559	696	770	792	699	509
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	0	0	0	0	0	0	22	22	22	22	22	0
61	IOU	Uncommitted Dispatchable Demand Response		0	0	0	0	0	0	0	7	14	18	18	14	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	536	459	500	494	494	494	495	588	732	810	832	735	509
		FUTURE GENERIC RESOURCE NEEDS														
63	All	Generic Renewable Resources		0	0	0	0	0	0	0	0	0	0	0	0	0
		Non-Renewable Generic Resources:														

ccounting Table (CRATs) Electricity Resource Planning Form S-1: Dependable Capacity Resource Accountin
19, 2005 Adopted by the California Energy Commission on January 19, 200

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Numbe 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16

g Table (CRATs)
5

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	PEAK DEMAND CALCULATIONS (MW):	Sum of lines:	Nov-16	Dec-16
1	All	Forecast Total Peak Demand		519	550
2	ESP	Peak Demand: Existing Contracts		N/A	N/A
3	ESP	Peak Demand: New & Renewed Contracts		N/A	N/A
4	IOU	Direct Access (-)		N/A	N/A
5	IOU	CCA & Departing Municipal Load (-)		N/A	N/A
6	IOU	Uncommitted Price Sensitive DR Programs (-)		N/A	N/A
7	IOU	Uncommitted Energy Efficiency (2009-2016) (-)		N/A	N/A
8	IOU	Distributed Generation (-)		N/A	N/A
9	All	Net Peak Demand for Bundled Customers	1 - (sum 4 thru 8)	519	550
10		Calculated Reserve Margin (see footnote 1 below)	MID Calculated	72	76
11	IOU/ESP	Net Peak Demand + Planning Reserve Margin	Sum 9 + 10	590	626
12	IOU/Muni	Firm Sales Obligations (Sale of New Hogan Energy)		3	3
13	All	Firm Peak Resource Requirement	Sum 11 + 12	594	629
		EXISTING & PLANNED RESOURCES			
		Utility-Controlled Fossil and Nuclear Resources:			
14	IOU/Muni	McClure (2 CT Units)		108	108
15	IOU/Muni	Woodland 1 (1 CC Unit)		47	47
16	IOU/Muni	Woodland 2 (1 CC Unit)		83	83
16	IOU/Muni	Ripon (2 CT Units)		92	92
17	IOU/Muni	Total Dependable Fossil and Nuclear Capacity	Sum 14 thru 16	330	330
		Utility-Controlled Hydroelectric Resources (1-in-2):			
18	IOU/Muni	Total for all plants over 30 MW nameplate		15	62
19	IOU/Muni	Total for all plants 30 MW nameplate or less		0	0
20	IOU/Muni	Hydro Derate (-) for 1-in-5 conditions		0	0
21	IOU/Muni	Hydro Derate (-) for 1-in-10 conditions		0	0
22	IOU/Muni	Total Dependable Hydro Capacity	Sum 18 + 19 - 20	15	62

(1.) MID uses 15% Planning Reserve Criteria. Purchase from CCSF is supplied with its own reserves. Don Pedro reserves are reduced by 60% due to Multi-Units and reserve sharing with TID.

	Applies To:	Existing & Planned Renewable Resources:			
23	IOU/Muni	New Hogan		3	3
24	IOU/Muni			0	0
25	IOU/Muni			0	0
26	IOU/Muni	Total Renewable Dependable Capacity	Sum 23 thru 25	3	3
27	IOU/Muni	**Total Utility-Controlled Physical Resources**	Sum 17 + 22 + 26	348	395
		EXISTING & PLANNED CONTRACTUAL RESOURCES			
		DWR Contracts:			
28	IOU	N/A		N/A	N/A
29	IOU	N/A		N/A	N/A
30	IOU	N/A		N/A	N/A
31	IOU	Total DWR Contracts	Sum 28 thru 30	0	0
		QF Contracts by fuel types:			
32	IOU, LADWP	Natural gas		N/A	N/A
33	IOU, LADWP	Biofuels		N/A	N/A
34	IOU, LADWP	Geothermal		N/A	N/A
35	IOU, LADWP	Small Hydro		N/A	N/A
36	IOU, LADWP	Solar		N/A	N/A
37	IOU, LADWP	Wind		N/A	N/A
38	IOU, LADWP	Other		N/A	N/A
39	IOU, LADWP	Total QF Dependable Capacity	Sum 32 thru 38	0	0
		Existing & Planned Renewable Contracts:			
40	All	HighWinds (Wind Energy)		0	0
41	All	Future Wind		19	13
42	All				
43	All	Total Existing & Planned Renewable Contracts	Sum 40 thru 42	19	13
	Applies To:	**Other Bilateral Contracts:**			
44	All	Calpine		0	0
45	All	Klamath		0	0
46	All	San Juan		68	68
47	All	Hershey Cogen		0	0
48	All	CCSF Class 1		0	0
49	All	Morgan_7X24		0	0
50	All	Morgan_6X16		0	0
51	All	Const_6X16		0	0
52	All	PPM_6X8		0	0
53	All	MorganBase_7X24		0	0
54	All	Morgan Q34Pur_7X24		0	0
55	All	PPM Call			
56	All	Placeholder		0	0
57	All	Total Other Bilateral Contracts	Sum 44 thru 56	68	68
		Short Term and Spot Market Purchases:			
58	All	Short Term and Spot Market Purchases		0	0
59	All	**TOTAL: EXISTING & PLANNED CAPACITY**	27+31+39+43+57+	435	476
60	IOU/Muni	Existing Interruptible / Emergency (I/E) Programs		0	0
61	IOU	Uncommitted Dispatchable Demand Response		0	0
62	All	**TOTAL CAPACITY + I/E and UDDR**	59 + (60 + 61)	435	476
		FUTURE GENERIC RESOURCE NEEDS			
63	All	Generic Renewable Resources		0	0
		Non-Renewable Generic Resources:			

g Table (CRATs)
5

Filing LSE: Modesto Irrigation District
Date: 1-Mar-05
Contact Name: Gerard Stillwagon
Contact Number 209-526-7486

	Applies To:	**PEAK DEMAND CALCULATIONS (MW):**	Sum of lines:	Nov-16	Dec-16