

Electricity Demand Forecast Forms

California Energy Commission 2011 Integrated Energy Policy Report Docket Number 11-IEP-1C

The following spreadsheets are the California Energy Commission (Energy Commission) forms for collecting data and analyses relating to electricity demand. The Energy Commission's statutes and regulations specify that a broad array of information can be collected and analyzed to prepare the **Integrated Energy Policy Report**. Specifically, Public Resources Code (PRC) Section 25301 directs the Energy Commission to conduct regular assessments of all aspects of energy demand and supply to that it may develop energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety. To carry out these assessments the Energy Commission may require submission of data from market participants in California:

To perform these assessments and forecasts, the Energy Commission may require submission of demand forecasts, resource plans, market assessments, and related outlooks from electric and natural gas utilities, transportation fuel and technology suppliers, and other market participants. PRC 25301(a)

Submittal Format

Parties are requested to submit a diskette or compact disk containing:
data from Forms 1, 2, 3, 6, 7, and 8, and

Data with no confidentiality request should be sent to:

California Energy Commission
Docket Office

Attn: Docket 11-IEP-1C

1516 Ninth Street, MS-4

Sacramento, CA 95814-5512

or email to: Docket@energy.state.ca.us. Please include "Docket #11-IEP-1C Demand Forecast", in the subject line.

If you are requesting confidentiality, please review the detailed instructions.

Historical Data Due Dates:

Forms 1.1a, 1.1b, 1.2 & 1.3& 1.4

Wednesday, February 9, 2011

Forms 1.7a, 1.7b, 1.7c & 2.2

Tuesday, March 01, 2011

The data do not need to be distributed to the IEPR service list.

Technical questions relating to the electricity demand forecast should be directed to Chris Kavalec (916) 654-5184 or Nick Fugate (916) 654-4219 of the Demand Analysis Office or by email at ckavalec@energy.state.ca.us or nfugate@energy.state.ca.us.

DOCKET

11-IEP-1C

DATE Feb 09 2011

RECD. Feb 09 2011

Please Enter the Following Information:

Participant Name: Redding Electric Utility
Date Submitted: 9-Feb-11
Contact Information: Steven B. Handy, PE, CEM
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Historical Data Submittal

		Entity to File Form		
		IOU	POU	ESP
Form 1.1a	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled & Direct Access	X	X	
Form 1.1b	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled Customers	X	X	
Form 1.2	DISTRIBUTION AREA NET ELECTRICITY FOR GENERATION LOAD	X	X	
Form 1.3	LSE COINCIDENT PEAK DEMAND BY SECTOR (Bundled Customers)	X	X	
Form 1.4	DISTRIBUTION AREA COINCIDENT PEAK DEMAND	X	X	
Form 1.7a	LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS - ENERGY (GWh)	X	X	
Form 1.7b	LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS - PEAK DEMAND (MW)	X	X	
Form 1.7c	LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS - INSTALLED CAPACITY (MW)	X	X	
Form 2.2	ELECTRICITY RATE FORECAST	X	X	

FORM 1.1a

**MIGRATING LOAD
INCLUDED IN**

YEAR	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL & INDUSTRIAL	TOU	FIXED				TOTAL
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AVERAGE ANNUAL GROWTH RATE (%)									
2000-2009	2.0%	1.2%	1.3%	-7.2%	-2.5%	0.0%	0.0%	0.0%	1.4%
2009-2015	0.4%	1.2%	0.9%	0.2%	0.7%	0.0%	0.0%	0.0%	0.7%
2015-2022	1.3%	1.5%	1.3%	0.2%	0.0%	0.0%	0.0%	0.0%	1.3%
2009-2022	0.9%	1.4%	1.1%	0.2%	0.3%	0.0%	0.0%	0.0%	1.0%

Form 1.1a

FORM 1.1b

**MIGRATING LOAD
INCLUDED IN**

YEAR	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL & INDUSTRIAL	TOU	FIXED				TOTAL
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[illegible]

2000-2009	2.0%	1.2%	1.3%	-7.2%	-2.5%	0.0%	0.0%	0.0%	1.4%
2009-2015	0.4%	1.2%	0.9%	0.2%	0.7%	0.0%	0.0%	0.0%	0.7%
2015-2022	1.3%	1.5%	1.3%	0.2%	0.0%	0.0%	0.0%	0.0%	1.3%
2009-2022	0.9%	1.4%	1.1%	0.2%	0.3%	0.0%	0.0%	0.0%	1.0%

FORM 1.2
Participant Name

**DISTRIBUTION AREA NET ELECTRICITY FOR GENERATION LOAD
(GWh)**

YEAR	SALES TO BUNDLED CUSTOMERS (from 1.1b)	DIRECT ACCESS	COMMUNITY CHOICE AGGREGATORS	Other Departed Load remaining in distribution system	OTHER (Define as needed)	TOTAL SALES	LOSSES	TOTAL DISTRIBUTION SYSTEM ENERGY REQUIREMENTS
2000	695					695	48	743
2001	693					693	47	740
2002	722					722	40	763
2003	754					754	42	797
2004	766					766	41	807
2005	770					770	30	800
2006	798					798	46	844
2007	793					793	43	836
2008	798					798	44	843
2009	786					786	41	827
2010	766					766	46	812
2011	783					783	45	828
2012	795					795	45	839
2013	802					802	45	847
2014	810					810	46	856
2015	819					819	46	866
2016	830					830	47	877
2017	839					839	47	887
2018	850					850	48	898
2019	862					862	49	911
2020	874					874	50	924
2021	886					886	50	937
2022	898					898	51	949

Total Uncommitted Impacts from Form 3.2	Forecast Net of Uncommitted Impacts
0	743
0	740
0	763
0	797
0	807
0	800
0	844
0	836
0	843
0	827
0	812
0	828
0	839
0	847
0	856
0	866
0	877
0	887
0	898
0	911
0	924
0	937
0	949

AVERAGE ANNUAL GROWTH RATE (%)								
2000-2009	1.4%	0.0%	0.0%	0.0%	0.0%	1.4%	-1.9%	1.2%
2009-2015	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%	2.1%	0.8%
2015-2022	1.3%	0.0%	0.0%	0.0%	0.0%	1.3%	1.4%	1.3%
2009-2022	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%	1.7%	1.1%

0.0%	1.2%
0.0%	0.8%
0.0%	1.3%
0.0%	1.1%

FORM 1.3

**MIGRATING LOAD INCLUDED IN
FORECAST (MW)**

(MW)

(Modify categories below to be consistent with sectors or classes reported on Form 1.1)

[illegible]

AVERAGE ANNUAL GROWTH RATE (%)											
2000-2009	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	1.8%
2009-2015	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	1.0%
2015-2022	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	1.4%
2009-2022	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	1.2%

0.0%	0.0%	0.0%
0.0%	0.0%	0.0%
0.0%	0.0%	0.0%
0.0%	0.0%	0.0%

FORM 1.4
Redding Electric Utility

DISTRIBUTION AREA COINCIDENT PEAK DEMAND
(MW)

YEAR	BUNDLED CUSTOMER PEAK (from 1.3)	DIRECT ACCESS		COMMUNITY CHOICE AGGREGATORS		OTHER PUBLICLY OWNED DEPARTING LOAD		OTHER (DEFINE)	TOTAL PEAK DEMAND	Total Uncommitted MW Impacts from Form	Forecast Net of Uncommitted Impacts
		End User Peak Demand	Losses	End User Peak Demand	Losses	End User Peak Demand	Losses				
2000	211								211		211
2001	203								203		203
2002	227								227		227
2003	245								245		245
2004	228								228		228
2005	244								244	#REF!	#REF!
2006	253								253	#REF!	#REF!
2007	246								246	#REF!	#REF!
2008	247								247	#REF!	#REF!
2009	248								248	#REF!	#REF!
2010	234								234	#REF!	#REF!
2011	252								252	#REF!	#REF!
2012	255								255	#REF!	#REF!
2013	258								258	#REF!	#REF!
2014	261								261	#REF!	#REF!
2015	263								263	#REF!	#REF!
2016	266								266	#REF!	#REF!
2017	270								270	#REF!	#REF!
2018	273								273	#REF!	#REF!
2019	277								277	#REF!	#REF!
2020	280								280	#REF!	#REF!
2021	284								284	#REF!	#REF!
2022	289								289	#REF!	#REF!

AVERAGE ANNUAL GROWTH RATE (%)									
2000-2009	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
2009-2015	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%
2015-2022	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%
2009-2022	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%

0.0%	#REF!
#REF!	#REF!
#REF!	#REF!
#REF!	#REF!

FORM 1.7a

Participant Name

Committed/Existing

**LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY
ENERGY (GWh)**

Redding does not have significant Local Private Supply or behind the meter data to be able to report

YEAR	Photovoltaic					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

YEAR	Combined Heat and Power (Specify Technology)					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 1.7a

Participant Name

Committed/Existing

**LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY
ENERGY (GWh)**

YEAR	Other (Specify Technology)					TOTAL
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 1.7b

Participant Name

Committed/Existing

**LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY
COINCIDENT PEAK DEMAND (MW)**

Redding does not have significant Local Private Supply or behind the meter data to be able to report

YEAR	Photovoltaic					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

YEAR	Combined Heat and Power (Specify Technology)					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 1.7b

Participant Name

Committed/Existing

**LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY
COINCIDENT PEAK DEMAND (MW)**

YEAR	Other (Specify Technology)					TOTAL
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 1.7c

Participant Name

Committed/Existing

LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY

Installed Capacity (MW)

YEAR	Photovoltaic					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000		0				0
2001		0				0
2002	0	0				0
2003	0	0				0
2004	0	0				0
2005	0	0				0
2006	0	0				0
2007	0	0				0
2008	0	0				0
2009	0	0				0
2010	0	0				0
2011	0	1				2
2012	0	1				2
2013	0	1				2
2014	0	1				2
2015	0	1				2
2016	0	1				2
2017	0	1				2
2018	0	1				2
2019	0	1				2
2020	0	1				2
2021	0	1				2
2022	0	1				2

YEAR	Combined Heat and Power (Specify Technology)					
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	TOTAL
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 1.7c

Participant Name

Committed/Existing

LOCAL PRIVATE SUPPLY BY SECTOR OR CLASS AND TECHNOLOGY

Installed Capacity (MW)

YEAR	Other (Specify Technology)					TOTAL
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	AGRICULTURAL	OTHER	
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021						
2022						

FORM 2.2
Redding Electric Utility

ELECTRICITY RATE FORECAST
(2009 cents/kWh)

(Modify categories below to be consistent with sectors or classes reported on Form 1.1)

YEAR	CPI(2009=1)	RESIDENTIAL	SMALL COMMERCIAL	COMMERCIAL & INDUSTRIAL	TOU	FIXED		
2000	0.803	12	14	13	11	28		
2001	0.846	12	13	12	10	25		
2002	0.86	11	12	11	9	21		
2003	0.875	10	11	10	9	19		
2004	0.887	10	11	10	9	6		
2005	0.904	10	11	10	10	13		
2006	0.933	10	11	10	9	18		
2007	0.963	10	11	10	9	23		
2008	0.998	11	11	10	10	22		
2009	1	11	12	11	10	17		
2010	1.009	12	13	12	11	17		
2011	1.026	13	14	13	12	22		
2012	1.047	14	15	13	12	23		
2013	1.068	14	16	14	12	24		
2014	1.089	15	16	15	13	25		
2015	1.111	16	17	15	13	26		
2016	1.133	16	17	15	13	26		
2017	1.156	16	17	15	13	26		
2018	1.179	16	17	15	13	27		
2019	1.203	16	17	15	13	27		
2020	1.227	17	18	16	13	27		
2021	1.251	17	18	16	13	28		
2022	1.276	17	18	16	13	28		

AVERAGE ANNUAL GROWTH RATE (%)								
2000-2009	2.5%	-0.9%	-1.0%	-1.4%	-0.4%	-5.2%	0.0%	0.0%
2009-2015	1.8%	5.4%	5.2%	5.1%	3.8%	7.1%	0.0%	0.0%
2015-2022	2.0%	1.4%	1.0%	0.7%	0.5%	1.0%	0.0%	0.0%
2009-2022	1.9%	3.2%	2.9%	2.7%	2.0%	3.7%	0.0%	0.0%

Confidentiality requests have previously been granted for this data