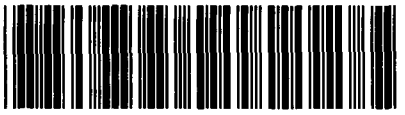

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Entergy

Entergy Services, LLC.
919 Congress Ave. Suite 701
Austin, TX 78701
Tel 512 487 3962
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Wajiha Rizvi
Senior Counsel
Legal Services - Regulatory

October 14, 2019

Ana Treviño
Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
Austin, TX 78711-3326

Re: SOAH Docket No. 473-19-4420, PUC Docket No. 49493; *Application of Entergy Texas, Inc. to Adjust its Energy Efficiency Cost Recovery Factor*

Dear Ms. Treviño:

Entergy Texas, Inc. files the attached clarifications to its demand reduction goal showing kilowatts of lost load due to opt-outs. Included is a revised Table 4: Annual Growth in Demand and Energy Consumption to ETI's Revised Energy Efficiency Plan and Report ("EEPR"). Workpapers to support the revised Table 4 are also included showing a listing of ETI's opt-out customers and source documentation for Table 4 Columns D through G.

ETI hopes that this information provides additional clarity to the calculations included in EEPR Table 4. Please do not hesitate to contact our office should you have any questions or concerns.

Sincerely,

Wajiha Rizvi

Attachments

cc: All Parties of Record

Calendar Year	Peak Demand at Source (kW)				Industrial Opt Out	Energy Consumption at Meter (kWh)				Growth (kW)	Average Growth (kW)
	Total System		Residential & Commercial[1]			Total System		Residential & Commercial			
	Actual	Weather Adjusted	Actual	Weather Adjusted		Actual	Weather Adjusted	Actual	Weather Adjusted	Weather Adjusted	Weather Adjusted
2013	3,602,000	3,704,000	2,808,000	2,851,000	NA*	15,945,000	16,743,000	10,410,000	10,443,000	297,000	NA
2014	3,256,000	3,321,000	2,653,000	2,650,000	NA*	18,706,000	18,828,000	11,838,000	11,830,000	-201,000	NA
2015	3,540,000	2,933,000	2,776,000	2,609,000	1,200	16,268,000	16,311,000	10,625,000	10,624,000	-41,000	NA
2016	3,536,000	3,549,000	2,691,000	2,701,000	1,200	16,526,000	16,726,000	10,802,000	10,785,000	92,000	NA
2017	3,468,000	3,481,000	2,647,000	2,704,000	1,200	16,861,250	17,152,000	10,919,000	10,921,000	-19,000	NA
2018	3,534,157	3,604,731	2,699,203	2,745,211	1,200	17,090,313	17,254,251	11,046,313	11,040,122	41,211	NA
2019	NA	NA	NA	NA	1,200	NA	NA	NA	NA	NA	25,600
2020	NA	NA	NA	NA	2,858	NA	NA	NA	NA	NA	-25,558

[1] These amounts already reflect the reduction for opt-outs included in "Industrial Opt Out" Column.

*ETI received no opt-outs for 2013 and 2014.

Calendar Year	Peak Demand at Source (MW)				Industrial Opt Out	Energy Consumption at Meter (GWh)				Growth (MW)	Average Growth (MW)[1]
	Total System		Residential & Commercial			Total System		Residential & Commercial			
	Actual	Weather Adjusted	Actual	Weather Adjusted		Actual	Weather Adjusted	Actual	Weather Adjusted	Weather Adjusted	Weather Adjusted
2013	3,602	3,704	2,808	2,851		15,945	16,743	10,410	10,443	297	NA
2014	3,256	3,321	2,653	2,650	NA	18,706	18,828	11,838	11,830	-201	NA
2015	3,540	2,933	2,776	2,609	1	16,268	16,311	10,625	10,624	-41	NA
2016	3,536	3,549	2,691	2,701	1	16,526	16,726	10,802	10,785	92	NA
2017 [2]	3,468	3,481	2,647	2,682	1	16,861	17,152	10,919	10,921	-19	NA
2018	3,534	3,605	2,699	2,704	1	17,090	17,254	11,046	11,040	41	NA
2019	NA	NA	NA	NA	1	NA	NA	NA	NA	NA	25.6
2020	NA	NA	NA	NA	3	NA	NA	NA	NA	NA	-25.6

Revised EEPR Table 4
Docket 49493
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Calendar Year	Peak Demand at Source (kW)						Energy Consumption at Meter (kWh)				Growth (kW)	Average Growth (kW)
	Total System		Opt Out Customers		Residential & Commercial[1]		Total System		Residential & Commercial			
	Actual	Weather Adjusted	Customer Opt Out (<69 kV)	Transmission Opt Out (>69 KV) [2]	Actual	Weather Adjusted	Actual	Weather Adjusted	Actual	Weather Adjusted	Weather Adjusted	Weather Adjusted
2013	3,602.000	3,704.000	0*	892.671	2,808.155	2,850.669	15,945.000	16,743,000	10,410.000	10,443.000	297.000	NA
2014	3,256.000	3,321.000	0*	671.169	2,654.804	2,652.464	18,706.000	18,828.000	11,838.000	11,830.000	-201.000	NA
2015	3,540.000	2,933.000	1.187	762.663	2,775.915	2,609.045	16,268.000	16,311.000	10,625.000	10,624.000	-41.000	NA
2016	3,536.000	3,549.000	1.187	843.923	2,690.805	2,701.453	16,526.000	16,726.000	10,802.000	10,785.000	92.000	NA
2017	3,468.000	3,481.000	1.187	820.260	2,646.818	2,704.036	16,861.250	17,152,000	10,919.000	10,921.000	-19,000	NA
2018	3,534.157	3,604.731	1.187	833,430	2,699.540	2,744.838	17,090.313	17,254,251	11,046,313	11,040.122	40.802	NA
2019	NA	NA	2.858	NA	NA	NA	NA	NA	NA	NA	NA	25.600
2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-25.640

[1] These amounts already reflect the reduction for opt-outs included in "Industrial Opt Out" Column.

[2] Coincident Factor x Industrial Load

*ETI received no opt-outs for 2013 and 2014.

1,200 in 2018 - 0 in 2013 = 1,200 kW Opt Out Growth

237.4 240 kW 5 Year Average Growth

720 kw

71.22 72 kW

Opt Out Customers

OpCo	Data Type	Revenue Class	Customer	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	2018
ETI	MWH	Ind	Customer 1	961	1,026	1,034	1,108	1,125	1,162	1,239	1,191	1,214	1,225	946	830	13,062
ETI	MWH	Ind	Customer 2a	1	1	0	0	0	0	0	1	1	0	0	0	6
ETI	MWH	Ind	Customer 2b	117	219	150	285	205	211	200	232	190	144	93	350	2,397
ETI	MWH	Ind	Customer 2c	123	178	144	267	210	216	213	197	218	203	194	176	2,338
ETI	MWH	Ind	Customer 2d	90	170	125	243	211	163	173	176	179	166	170	150	2,016
ETI	MWH	Ind	Customer 3	1,774	1,777	1,070	1,414	1,744	1,667	1,792	1,912	2,214	2,411	2,676	2,191	22,643
ETI	MWH	Ind	Customer 4	285	416	391	374	287	333	314	453	503	353	628	563	4,900
			Subtotal	3,351	3,786	2,915	3,691	3,783	3,753	3,931	4,161	4,519	4,503	4,707	4,261	47,361
				961	1,026	1,034	1,108	1,125	1,162	1,239	1,191	1,214	1,225	946	830	13,062
				2,390	2,760	1,880	2,583	2,657	2,591	2,692	2,970	3,305	3,278	3,760	3,432	34,300
			TOTAL EXEMPT (kW)													**2,858.30**

Table 4 WP1
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Summer Peaks	Year	Actual Peak MW	Weather Adjusted Peak MW
TX Peak (R&W)	1996	2764	2708
	1997	2928	2818
	1998	3221	3009
	1999	3205	3114
	2000	3338	3143
TX Peak (Retail only)	2001	2827	2925
TX Peak (Res. & Com)	2002	2311	2498
	2003	2484	2354
	2004	2569	2612
	2005	2471	2391
	2006	2530	2572
	2007	2663	2587
	2008	2567	2716
	2009	2534	2414
	2010	2642	2701
	2011	2787	2592
	2012	2611	2554
	2013	2808	2851
	2014	2655	2652
	2015	2776	2609
	2016	2691	2701
	2017	2647	2704
	2018	2700	2745
Forecast	2019	2587	
TX Retail Peak less Ind.	2020		
	2021		
	2022		
	2023		
	2024		

Winter Peaks	Year	Actual Peak MW	Weather Adjusted Peak MW
TX Peak (Res. & Com)	2011	2391	2301
	2012	1839	1782
	2013	2227	2530
	2014	2067	1982
	2015	2205	2095
	2016	1938	2076
	2017	2229	2229
	2018	2598	2495
Forecast	2019	2287	
TX Retail Peak less Ind.	2020		
	2021		
	2022		
	2023		
	2024		

ETI Weather Adjusted (WA) Non-Coincident Peak Load (MW)

I. Summer Weather-Adjusted ETI Non-coincident Peak Load

1. Input Data

A. Load Data

ETI At Plant

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Date	[from ISB]								7/24/2001	8/1/2002	8/7/2003	8/5/2004	7/1/2005	8/16/2006
Time	[from ISB]								5pm	4pm	5pm	5pm	5pm	6pm
TX KW Load (kW)	[from ISB]								3,146,000	3,185,000	3,248,000	3,512,000	3,434,000	3,571,000
TX Wholesale (kW)	[from Fontenot/Load Research]								318,582	311,919	202,483	381,658	379,026	459,444
% TX Wholesale	[calc]								10%	10%	6%	11%	11%	13%
TX Retail (kW)	[calc]								2,827,418	2,873,081	3,045,517	3,130,342	3,054,974	3,111,556
TX Industrial Load (MW)	[from CLI]									660.9	660.9	660.9	686.8	684.7
Coincidence Factor	[from SPO]									86%				
Industrial (69kV) load	[calc]									561.7	561.7	561.7	583.8	582 0
Customer Opt Out	[from CLI]													

B. Weather Data

Non-coincident ETI Temperature Data

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Date	[from ISB]	6/9/1994	8/29/1995	7/22/1996	8/20/1997	8/5/1998	8/26/1999	8/30/2000	7/24/2001	8/1/2002	8/7/2003	8/5/2004	7/1/2005	8/16/2006
Time	[from ISB]	4pm	4pm	4pm	5pm	5pm	5pm	4pm	5pm	4pm	5pm	5pm	5pm	6pm
Port Arthur Max. Daily Temp	[from OPWAQ]	93	96	94	95	97	99	103	95	92	99	96		
Beaumont Max. Daily Temp.	[from OPWAQ]												98	94
Houston Max. Daily Temp	[from OPWAQ]												99	97
ETI Peak Temp.	[calc]	93	96	94	95	97	99	103	95	92	99	96	99	96
10-Yr Avg. ETI Peak Temp	[calc]					93	97	98	97	96	96	97	97	97

2. Weather Adjustment

Weather-adjusted Retail Peak

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Date	6/9/1994	8/29/1995	7/22/1996	8/20/1997	8/5/1998	8/26/1999	8/30/2000	7/24/2001	8/1/2002	8/7/2003	8/5/2004	7/1/2005	8/16/2006
ETI Load (MW)	3,201	2,776	2,764	2,928	3,221	3,205	3,338	2,827	2,311	2,484	2,569	2,471	2,530
ETI Peak Temperature	93	96	94	95	97	99	103	95	92	99	96	99	96
10-Yr Avg. ETI Peak Temp.	0	0	0	0	93	97	98	97	96	96	97	97	97
Temperature Variance (F)					-4	-2	-5	2	4	-3	1	-2	1
Weather Adjustment (MW)					-212	-91	-195	98	187	-130	43	-80	42
WA ETI Peak (MW)		**2,614**	**2,708**	**2,818**	**3,009**	**3,114**	**3,143**	**2,925**	**2,498**	**2,354**	**2,612**	**2,391**	**2,572**

II. Winter Weather-Adjusted ETI Non-coincident Peak Load

1. Input Data

A. Load Data

ETI At Plant

		1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Date	[from ISB]									1/4/2002	1/24/2003	1/28/2004	1/24/2005	12/8/2005
Time	[from ISB]									8am	7am	7am	8am	7pm
TX KW Load (kW)	[from ISB]									2,667,000	2,850,000	2,786,000	2,768,000	2,947,000
TX Wholesale (kW)	[from Fontenot/Load Research]									283,355	355,746	356,101	387,407	469,245
% TX Wholesale	[calc]									11%	12%	13%	14%	16%
TX Retail (kW)	[calc]									2,383,645	2,494,254	2,429,899	2,380,593	2,477,755
TX Industrial Load (MW)	[from acct mgr]									772.3	772.3	772 3	772.3	772.3
Coincidence Factor	[from SPO]									86%				

EGSI-TX

Weather Response Function

	WRF2018-S		WRF2018-W		WRF2017-S		WRF2017-W		WRF2016-S		WRF2016-W	
	Third-order polynomial fit: y=a+b*x+c*x^2+d*		Third-order polynomial fit y=a+b*x+c*x^2+d*		Third-order polynomial fit. y=a+b*x+c*x^2+d*		Third-order polynomial fit: y=a+b*x+c*x^2+d*		Third-order polynomial fit: y=a+b*x+c*x^2+d*		Third-order polynomial fit: y=a+b*x+c*x^2+d*	
	Coefficient Data:		Coefficient Data.		Coefficient Data.		Coefficient Data:		Coefficient Data:		Coefficient Data:	
	a =	-7887.47	a =	5026.571	a =	0	a =	4904.709	a =	0	a =	4952.094
	b =	186.35	b =	-94.818	b =	-86.54	b =	-99.05	b =	53.594	b =	-100.076
	c =	-0.716	c =	0.762	c =	2.355	c =	0.86	c =	-0.218	c =	0.86
	d =		d =		d =	-0.011	d =		d =		d =	0

Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change
76	2,140		16	3,705		76	2,197		16	3,540		76	2,814		16	3,571	
77	2,216	77	17	3,635	-70	77	2,277	81	17	3,469	-71	77	2,834	20	17	3,499	-72
78	2,292	75	18	3,567	-68	78	2,358	80	18	3,400	-69	78	2,854	20	18	3,429	-70
79	2,366	74	19	3,500	-67	79	2,437	80	19	3,333	-67	79	2,873	19	19	3,361	-68
80	2,438	73	20	3,435	-65	80	2,517	79	20	3,268	-66	80	2,892	19	20	3,295	-67
81	2,509	71	21	3,371	-64	81	2,596	79	21	3,204	-64	81	2,911	18	21	3,230	-65
82	2,579	70	22	3,309	-62	82	2,674	78	22	3,142	-62	82	2,929	18	22	3,167	-63
83	2,647	68	23	3,249	-61	83	2,751	77	23	3,081	-60	83	2,947	18	23	3,105	-61
84	2,714	67	24	3,190	-59	84	2,828	77	24	3,023	-59	84	2,964	17	24	3,046	-60
85	2,779	65	25	3,132	-57	85	2,904	76	25	2,966	-57	85	2,980	17	25	2,988	-58
86	2,843	64	26	3,076	-56	86	2,979	75	26	2,911	-55	86	2,997	16	26	2,931	-56
87	2,906	62	27	3,022	-54	87	3,052	74	27	2,857	-53	87	3,013	16	27	2,877	-54
88	2,967	61	28	2,969	-53	88	3,125	73	28	2,806	-52	88	3,028	15	28	2,824	-53
89	3,026	60	29	2,918	-51	89	3,197	72	29	2,756	-50	89	3,043	15	29	2,773	-51
90	3,084	58	30	2,868	-50	90	3,268	71	30	2,707	-48	90	3,058	15	30	2,724	-49
91	3,141	57	31	2,819	-48	91	3,337	69	31	2,661	-47	91	3,072	14	31	2,676	-48
92	3,197	55	32	2,773	-47	92	3,405	68	32	2,616	-45	92	3,085	14	32	2,630	-46
93	3,250	54	33	2,727	-45	93	3,472	67	33	2,573	-43	93	3,099	13	33	2,586	-44
94	3,303	52	34	2,684	-44	94	3,538	65	34	2,531	-41	94	3,112	13	34	2,544	-42
95	3,354	51	35	2,641	-42	95	3,601	64	35	2,491	-40	95	3,124	12	35	2,503	-41
96	3,403	50	36	2,601	-41	96	3,664	62	36	2,453	-38	96	3,136	12	36	2,464	-39
97	3,452	48	37	2,561	-39	97	3,724	61	37	2,417	-36	97	3,147	12	37	2,427	-37
98	3,498	47	38	2,524	-38	98	3,783	59	38	2,383	-35	98	3,159	11	38	2,391	-36
99	3,544	45	39	2,488	-36	99	3,841	57	39	2,350	-33	99	3,169	11	39	2,357	-34
100	3,588	44	40	2,453	-35	100	3,896	55	40	2,319	-31	100	3,179	10	40	2,325	-32
101	3,630	42	41	2,420	-33	101	3,950	54	41	2,289	-29	101	3,189	10	41	2,295	-30
102	3,671	41	42	2,388	-32	102	4,001	52	42	2,262	-28	102	3,199	9	42	2,266	-29
103	3,711	40	43	2,358	-30	103	4,051	50	43	2,236	-26	103	3,207	9	43	2,239	-27
104	3,749	38	44	2,330	-29	104	4,098	47	44	2,211	-24	104	3,216	8	44	2,214	-25
105	3,785	37	45	2,303	-27	105	4,143	45	45	2,189	-23	105	3,224	8	45	2,190	-24

Table 4 WP2
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	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1														
2														
3														
4														
5	**WRF2015-S**				**WRF2015-W**					**WRF2014-S**				
6	Third-order polynomial fit: y=a+b*x+c*x^2+d				Third-order polynomial fit: y=a+b*x+c*x^2+d*x^3					Third-order polynomial fit. y=a+b*x+c*x^2+d*x^3				
7	Coefficient Data:				Coefficient Data:					Coefficient Data				
8	a =	72650.85			a =	5302 347				a =	236187.325			
9	b =	-2496 34			b =	-113 521				b =	-7967.226			
10	c =	28 87			c =	1 054				c =	89.986			
11	d =	-0.108			d =	-0.001				d =	-0.336			
12														
13														
14														
15	Temps	Peak Load	Increment Change		Temps	Peak Load	Increment Change			Temps	Peak Load	Increment Change		
16	76	2,273			16	3,752				76	2,941			
17	77	2,297	25		17	3,672	-80			77	2,843	-99		
18	78	2,330	32		18	3,595	-78			78	2,769	-74		
19	79	2,369	40		19	3,519	-76			79	2,718	-51		
20	80	2,416	46		20	3,446	-74			80	2,688	-30		
21	81	2,468	52		21	3,374	-72			81	2,676	-12		
22	82	2,525	57		22	3,304	-70			82	2,681	5		
23	83	2,587	62		23	3,237	-68			83	2,701	20		
24	84	2,653	66		24	3,171	-66			84	2,733	32		
25	85	2,722	69		25	3,107	-64			85	2,776	43		
26	86	2,794	72		26	3,046	-62			86	2,828	52		
27	87	2,868	74		27	2,986	-60			87	2,886	58		
28	88	2,943	75		28	2,928	-58			88	2,948	63		
29	89	3,019	76		29	2,872	-56			89	3,014	65		
30	90	3,095	76		30	2,818	-54			90	3,080	66		
31	91	3,171	75		31	2,766	-52			91	3,144	64		
32	92	3,245	74		32	2,716	-50			92	3,205	61		
33	93	3,317	72		33	2,668	-48			93	3,260	55		
34	94	3,387	70		34	2,622	-46			94	3,308	48		
35	95	3,454	67		35	2,577	-44			95	3,347	38		
36	96	3,517	63		36	2,535	-42			96	3,373	27		
37	97	3,575	58		37	2,494	-41			97	3,387	13		
38	98	3,628	53		38	2,456	-39			98	3,384	-2		
39	99	3,676	47		39	2,419	-37			99	3,364	-20		
40	100	3,717	41		40	2,384	-35			100	3,325	-40		
41	101	3,751	34		41	2,351	-33			101	3,264	-61		
42	102	3,777	26		42	2,320	-31			102	3,179	-85		
43	103	3,795	18		43	2,290	-29			103	3,068	-110		
44	104	3,804	9		44	2,263	-28			104	2,930	-138		
45	105	3,803	-1		45	2,237	-26			105	2,762	-168		
46														

WRF2014-W

Second-order polynomial fit: y=a+b*x+c*x^2

Coefficient Data:

a =	7345.782
b =	-205.196
c =	1.978

Temps	Peak Load	Increment Change
16	4,569	
17	4,429	-140
18	4,293	-136
19	4,161	-132
20	4,033	-128
21	3,909	-124
22	3,789	-120
23	3,673	-116
24	3,560	-112
25	3,452	-108
26	3,348	-104
27	3,247	-100
28	3,151	-96
29	3,059	-92
30	2,970	-88
31	2,886	-85
32	2,805	-81
33	2,728	-77
34	2,656	-73
35	2,587	-69
36	2,522	-65
37	2,461	-61
38	2,405	-57
39	2,352	-53
40	2,303	-49
41	2,258	-45
42	2,217	-41
43	2,180	-37
44	2,147	-33
45	2,117	-29

WRF2013-S

Third-order polynomial fit: y=a+b*x+c*x^2+d*x^3

Coefficient Data

a =	140500.097
b =	-4818.248
c =	55.201
d =	-0.207

Temps	Peak Load	Increment Change
76	2,286	
77	2,279	-7
78	2,287	8
79	2,309	22
80	2,343	34
81	2,387	45
82	2,442	55
83	2,505	63
84	2,576	71
85	2,652	77
86	2,734	81
87	2,819	85
88	2,906	87
89	2,995	88
90	3,083	88
91	3,170	87
92	3,254	84
93	3,335	80
94	3,410	75
95	3,479	69
96	3,540	61
97	3,593	53
98	3,635	43
99	3,667	31
100	3,685	19
101	3,690	5
102	3,680	-10
103	3,653	-26
104	3,609	-44
105	3,547	-63

WRF2013-W

Third-order polynomial fit: y=a+b*x+c*x^2+d*x^3

Coefficient Data:

a =	4162.046
b =	-6.032
c =	-1.619
d =	0.019

Temps	Peak Load	Increment Change
16	3,729	
17	3,685	-44
18	3,640	-45
19	3,593	-46
20	3,546	-47
21	3,497	-48
22	3,448	-49
23	3,398	-50
24	3,347	-51
25	3,296	-51
26	3,245	-52
27	3,193	-52
28	3,141	-52
29	3,089	-52
30	3,037	-52
31	2,985	-52
32	2,934	-51
33	2,883	-51
34	2,832	-51
35	2,782	-50
36	2,733	-49
37	2,685	-48
38	2,638	-47
39	2,591	-46
40	2,546	-45
41	2,503	-44
42	2,460	-42
43	2,420	-41
44	2,381	-39
45	2,344	-37

WRF2012-S

Third-order polynomial fit: y=a+b*x+c*x^2+d*x^3

Coefficient Data.

a =	118010.45
b =	-4063.21
c =	46.80
d =	-0 18

Temps	Peak Load	Increment Change
76	2,281	
77	2,288	8
78	2,308	20
79	2,339	31
80	2,381	41
81	2,431	50
82	2,490	59
83	2,555	66
84	2,627	71
85	2,703	76
86	2,783	80
87	2,866	83
88	2,951	85
89	3,037	85
90	3,122	85
91	3,205	84
92	3,287	81
93	3,364	78
94	3,437	73
95	3,504	67
96	3,565	61
97	3,618	53
98	3,662	44
99	3,696	34
100	3,719	23
101	3,731	11
102	3,729	-2
103	3,713	-16
104	3,682	-31
105	3,634	-47

WRF2012-W
Second-order polynomial fit: y=a+b*x+c*x^2
Coefficient Data:

a =	5217.68
b =	-97.99
c =	0.71

WRF2011-S
Third-order polynomial fit: y=a+b*x+c*x^2+d*x^3
Coefficient Data:

a =	3,688,384
b =	-126,726
c =	1,569
d =	-5.15

WRF2010-S
Third-order polynomial fit: y=a+b*x+c*x^3
Coefficient Data:

a =	2467.74
b =	-36 603
c =	0.003423

WRF2000-S
Sinusoidal Fit: y=a+b*cos(cx+d)
Coefficient Data:

a =	2651 83010
b =	815.02314
c =	0.067686887
d =	-1.3094586

WRF-S
Sinusoidal Fit: y=a+b*cos(cx+d)
Coefficient Data:

a =	2459.3946
b =	760.39451
c =	0.078037081
d =	-2.2403384

Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Peak Load	Increment Change	Temps	Sinusoidal	Increment Change	Temps	Peak Load	Increment Change
16	3,830		76	859		76	1,189		76	2,025		76	1,811	
17	3,756	-75	77	882	23	77	1,212	23	77	2,062	37	77	1,844	33
18	3,682	-73	78	906	24	78	1,237	25	78	2,101	39	78	1,880	37
19	3,610	-72	79	930	24	79	1,264	27	79	2,143	42	79	1,920	40
20	3,540	-70	80	955	25	80	1,292	28	80	2,187	44	80	1,964	43
21	3,471	-69	81	981	26	81	1,322	30	81	2,233	46	81	2,010	46
22	3,403	-68	82	1,007	26	82	1,354	32	82	2,282	48	82	2,060	49
23	3,337	-66	83	1,034	27	83	1,387	33	83	2,332	50	83	2,111	52
24	3,272	-65	84	1,062	28	84	1,422	35	84	2,383	51	84	2,165	54
25	3,209	-63	85	1,090	28	85	1,459	37	85	2,436	53	85	2,221	56
26	3,147	-62	86	1,119	29	86	1,497	38	86	2,489	54	86	2,278	57
27	3,086	-61	87	1,148	29	87	1,538	40	87	2,544	54	87	2,336	58
28	3,027	-59	88	1,177	30	88	1,580	42	88	2,599	55	88	2,394	59
29	2,969	-58	89	1,207	30	89	1,623	44	89	2,654	55	89	2,454	59
30	2,912	-56	90	1,238	30	90	1,669	46	90	2,709	55	90	2,513	59
31	2,857	-55	91	1,268	31	91	1,717	48	91	2,764	55	91	2,572	59
32	2,804	-54	92	1,299	31	92	1,766	49	92	2,818	54	92	2,630	58
33	2,752	-52	93	1,331	31	93	1,817	51	93	2,872	54	93	2,688	57
34	2,701	-51	94	1,362	32	94	1,870	53	94	2,924	53	94	2,743	56
35	2,652	-49	95	1,394	32	95	1,926	55	95	2,976	51	95	2,798	54
36	2,604	-48	96	1,426	32	96	1,983	57	96	3,025	50	96	2,850	52
37	2,557	-47	97	1,458	32	97	2,042	59	97	3,074	48	97	2,899	50
38	2,512	-45	98	1,491	32	98	2,103	61	98	3,120	46	98	2,946	47
39	2,468	-44	99	1,523	32	99	2,166	63	99	3,164	44	99	2,990	44
40	2,426	-42	100	1,556	33	100	2,231	65	100	3,205	42	100	3,031	41
41	2,385	-41	101	1,588	33	101	2,298	67	101	3,245	39	101	3,069	37
42	2,346	-39	102	1,621	33	102	2,367	69	102	3,281	36	102	3,102	34
43	2,308	-38	103	1,654	33	103	2,438	71	103	3,315	34	103	3,132	30
44	2,271	-37	104	1,686	33	104	2,512	73	104	3,345	31	104	3,157	26
45	2,236	-35	105	1,719	32	105	2,587	76	105	3,373	27	105	3,179	21

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Table 4 WP2
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	CD	CE	CF	CG
1				
2				
3				
4				
5		**WRF2011-W**		
6		Quadratic fit: y=a+b*x+c*x²		
7		Coefficient Data:		
8		a =	3621.6	
9		b =	-85.924	
10		c =	0.72747	
11				
12				
13				
14				
15		Temps	Peak Load	Increment Change
16		21	2,138	
17		22	2,083	-55
18		23	2,030	-53
19		24	1,978	-52
20		25	1,928	-50
21		26	1,879	-49
22		27	1,832	-47
23		28	1,786	-46
24		29	1,742	-44
25		30	1,699	-43
26		31	1,657	-42
27		32	1,617	-40
28		33	1,578	-39
29		34	1,541	-37
30		35	1,505	-36
31		36	1,471	-34
32		37	1,438	-33
33		38	1,407	-31
34		39	1,377	-30
35		40	1,349	-28
36		41	1,322	-27
37		42	1,296	-26
38		43	1,272	-24
39		44	1,249	-23
40		45	1,228	-21
41		46	1,208	-20
42		47	1,190	-18
43		48	1,173	-17
44		49	1,158	-15
45		50	1,144	-14
46		51	1,132	-12