

REVIEWED
APPROVED BY COMMISSIONERS

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SW 1/25/95

Division of Public Utilities
For the Utah Demand Side Resource Cost Recovery Collaborative
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Date Submitted: January 13, 1995

UTAH PUBLIC
SERVICE COMMISSION

BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

.....
In the Matter of Ratemaking Treatment) DOCKET NO. 92-2035-04
of Demand-Side Resources and the)
Analysis of Regulatory Changes to) UPDATE REPORT, 1994
Encourage Implementation of Integrated) JOINT RECOMMENDATION
Resource Planning)
.....

ISSUED: January 13, 1995

SYNOPSIS

By this Report, the Utah Demand-Side Resource Cost Recovery Collaborative provides the Utah Commission with an update to the preliminary 1994 Net Lost Revenue report provided on November 30, 1994. This information is provided for Commission review and approval prior to PacifiCorp's January 18, 1995 booking of Net Lost Revenue to corporate accounts. The November 30, 1994 report and this update are provided pursuant to the February 10, 1994 Utah PSC Order approving the Demand Side Resource "Joint Recommendation" under Docket No. 92-2035-04, including the 1994 trial policy for DSR Cost Recovery.

**Update to November 30, 1994 Report to the
Utah Demand Side Resource Cost Recovery Collaborative**

In the Utah Public Service Commission("Commission") order dated February 10, 1994 in Docket No. 92-2035-04 ("Order"), the Commission approved the Joint Recommendation establishing Demand Side Resource ("DSR") cost recovery procedures for 1994. The order also established a new DSR cost-recovery collaborative ("Collaborative"), and outlined the responsibilities of the Collaborative. One of the responsibilities of the Collaborative is to monitor PacifiCorp's calculation of Net Lost Revenue ("NLR") for 1994. In addition, the order states:

The Collaborative will submit a report to the Commission by November 30, 1994, which quantifies the dollar amount of NLR for 1994 and identifies the inputs which resulted in that dollar amount. The report will also identify the appropriate DSR measure lives for amortization purposes. (See page 7 of the Order)

The order also states:

The Commission finds that the Joint Recommendation's NLR provisions, including the NLR formula and 25 percent adjustment limit, are just, reasonable and in the public interest. The initial determination of PacifiCorp's 1994 NLR will be made by the Commission prior to January 18, 1995, the date on which PacifiCorp closes its books for 1994. (See page 5 of the Order)

On November 30, 1994 the Division of Public Utilities for the Utah Demand Side Resources Cost Recovery Collaborative submitted to the Commission a report addressing the following issues:

- Projected amount of NLR for 1994
- DSR activities in Utah in 1994
- Inputs to NLR formula
- DSR measure lives for amortization purposes

This report provides updated information based on actual information and program evaluations available subsequent to the November 30, 1994 report. Also provided is the resolution of issues unresolved in the November 30, 1994 report.

Projected amount of NLR for 1994

Net Lost Revenue for 1994 is \$386,909 based on 20,709 MWh of energy conservation savings (non-annualized). This NLR is the amount to which the 25% adjustment limit established in the Joint Recommendation will apply, except as noted below. Adjusted NLR for 1994 is not expected to exceed approximately \$480,000 or be less than approximately \$290,000. A detailed listing of 1994 DSR

projects in included as Attachment 1. The calculation of NLR is included as Attachment 2.

On December 30, 1994, the Company filed an application for approval of four conservation programs (Super Energy Efficient Refrigerator Program, Schedule 5 Showerheads, MagCorp, and Geneva (Phase II)). These programs produced conservation savings which are included in 1994 NLR. The subcommittee determined that adjustments to these programs prior to Commission approval will be excluded from the 25% adjustment limit. Adjustments to these programs subsequent to Commission approval will be subject to the 25% adjustment limit.

DSR activities in Utah in 1994

PacifiCorp DSR activity for 1994, based on the best available engineering studies and program evaluations, is 65,073 MWh and 9.15 MW, exceeding the 40,000 MWh and 6 MW goals stated in the Joint Recommendation. The 1994 DSR activity also exceeded the Joint Recommendation goal of 20% of the RAMPP-3 DSR target in each customer class. Additionally, the Company's Utah DSR activity compares favorably with the Company's RAMPP III action plan for 1994 of 60,508 MWh.

Inputs to NLR formula

As described in the November 30, 1994, report agreement was not reached on the application of peak/off-peak differentiation in the "AC" (avoided energy cost) input to the NLR formula. It was described in the November 30th report, that peak/off-peak differentiation would not be applied in the determination of NLR, subject to the review of additional information on the variation in the system lambda between peak and off-peak periods. Such information was reviewed in the January 6, 1995 meeting of the Net Lost Revenue subcommittee. The information supported initial indications that NLR calculated with peak/off-peak differentiation was not materially different from NLR calculated without peak/off-peak differentiation. Since the available evidence did not support a conclusion that there is a significant difference between NLR computed with or without peak/off-peak avoided costs, it was concluded that for 1994 NLR peak/off-peak differentiation would not be applied. It was additionally determined that the issue of peak/off-peak differentiation would be revisited on an annual basis until a final method of cost recovery of DSR costs is adopted by the Commission.

The "ES" (energy savings) input to the NLR formula has been updated for November and December actual information available subsequent to the November 30th report. The "ES" input has also been updated for the result of program evaluation reports available subsequent to the November 30th report.

The "LG" (load growth) input to the NLR formula has been updated for load growth which was identified subsequent to the November 30th report.

The "**ADC**" (avoided demand cost) input to the NLR formula has been updated for November and December actual information available subsequent to the November 30th report.

The "**NCPS**" (non-coincident peak savings) input has been updated based on re-evaluation and change (from 48% to 87%) of the conservation load factor used to determine kW savings from the ECONS program and the Schedule 5 Showerhead program.

DSR measure lives for amortization

The information provided November 30, 1994 requires no update.

PacifiCorp

Utah Jurisdiction 1994 DSR Projects

Line No.	Month of Installation	Program	ID	Sched.	Annualized Gross kWh	Load Growth	Annualized Net kWh	Conserv. Load Factor	kW
1	January	ECONS	9999	Schedule 1	748,243	0	748,243	87%	98
2	January	ECONS	9999	Schedule 5	1,117	0	1,117	87%	0
3	February	Comm. Finanswer	171	Sch. 6 (< 100 MWh)	32,399	50,000	(17,601)	60%	(3)
4	February	Commercial Spec.	3	Sch. 6 (> 100 MWh)	386,471	0	386,471	60%	74
5	February	Finanswer 12,000	499	Sch. 6 (< 100 MWh)	63,521	0	63,521	60%	12
6	February	Finanswer 12,000	465	Schedule 23	35,070	0	35,070	60%	7
7	March	ECONS	9999	Schedule 1	987,478	0	987,478	87%	130
8	March	ECONS	9999	Schedule 5	1,119	0	1,119	87%	0
9	March	Comm. Finanswer	159	Sch. 6 (< 100 MWh)	66,651	0	66,651		16
10	March	Comm. Finanswer	308	Sch. 6 (< 100 MWh)	514,711	0	514,711		359
11	March	Comm. Finanswer	153	Sch. 6 (< 100 MWh)	172,192	0	172,192		24
12	March	Comm. Finanswer	264	Sch. 6 (< 100 MWh)	168,167	0	168,167		49
13	March	Finanswer 12,000	128	Sch. 6 (< 100 MWh)	10,274	0	10,274		0
14	April	ECONS	9999	Schedule 1	1,294,284	0	1,294,284	87%	170
15	April	ECONS	9999	Schedule 5	2,720	0	2,720	87%	0
16	April	Comm. Finanswer	232	Sch. 6 (< 100 MWh)	90,626	0	90,626		12
17	April	Comm. Finanswer	193	Sch. 6 (< 100 MWh)	145,664	0	145,664		27
18	April	Finanswer 12,000	150	Schedule 9	21,000	0	21,000	60%	4
19	May	ECONS	9999	Schedule 1	963,011	0	963,011	87%	126
20	May	Comm. Finanswer	251	Schedule 23	99,538	0	99,538		7
21	May	Finanswer 12,000	145	Schedule 23	12,242	0	12,242		0
22	June	ECONS	9999	Schedule 1	1,597,963	0	1,597,963	87%	210
23	June	Comm. Finanswer	160	Sch. 6 (> 100 MWh)	399,142	0	399,142		62
24	June	Comm. Finanswer	200	Sch. 6 (< 100 MWh)	125,163	0	125,163		23
25	July	ECONS	9999	Schedule 1	318,395	0	318,395	87%	42
26	July	Sch. 5 Water Kits	9999	Schedule 5	1,154,839	0	1,154,839	78%	169
27	July	Comm. Finanswer	225	Sch. 6 (< 100 MWh)	105,204	0	105,204		67
28	July	Comm. Finanswer	283	Sch. 6 (> 100 MWh)	1,317,100	0	1,317,100		315
29	July	Indus. Finanswer	181	Schedule 9	1,432,000	0	1,432,000		225
30	July	Major Accounts	9998	Contract 1	4,436,000	0	4,436,000		400
31	August	ECONS	9999	Schedule 1	1,432,520	0	1,432,520	87%	188
32	August	Comm. Finanswer	255	Sch. 6 (< 100 MWh)	51,125	0	51,125		14
33	August	Major Accounts	9998	Contract 1	5,316,000	0	5,316,000		607
34	September	ECONS	9999	Schedule 1	1,658,473	0	1,658,473	87%	218
35	September	Comm. Finanswer	298	Sch. 6 (< 100 MWh)	166,327	0	166,327		39
36	September	Indus. Finanswer	197	Schedule 39	181,743	0	181,743		23
37	September	Major Accounts	9998	Contract 1	4,015,000	0	4,015,000		544
38	September	Major Accounts	9997	Contract 2	20,411,000	0	20,411,000		3,100
39	October	ECONS	9999	Schedule 1	199,944	0	199,944	87%	26
40	October	ECONS	9999	Schedule 5	14,302	0	14,302	87%	2
41	October	Comm. Finanswer	215	Sch. 6 (> 100 MWh)	413,185	0	413,185		81
42	October	Comm. Finanswer	162	Sch. 6 (< 100 MWh)	151,270	0	151,270		174
43	November	ECONS	9999	Schedule 1	538,712	0	538,712	87%	71
44	November	ECONS	9999	Schedule 5	3,883	0	3,883	87%	1
45	November	Comm. Finanswer	313	Sch. 6 (< 100 MWh)	68,434	0	68,434		12
46	November	Comm. Finanswer	310	Sch. 6 (< 100 MWh)	267,184	0	267,184		81
47	November	Comm. Finanswer	146	Sch. 6 (< 100 MWh)	74,815	0	74,815		28
48	December	SERP	9993	Schedule 1	70,372	0	70,372	100%	8
49	December	Low Income - Shell	9994	Schedule 1	76,500	0	76,500	100%	9
50	December	Low Income - Showerheads		Schedule 1	6,270	0	6,270	61%	1
51	December	Low Income - Lights	9996	Schedule 1	1,600	0	1,600	100%	0
52	December	Major Accounts	9998	Contract 1	10,909,000	0	10,909,000		548
53	December	Indus. Finanswer	181	Schedule 9	141,000	0	141,000		28
54	December	Finanswer 12,000	148	Sch. 6 (< 100 MWh)	113,826	0	113,826	60%	22
55	December	Finanswer 12,000	159	Sch. 6 (< 100 MWh)	84,100	0	84,100	60%	16
56	December	Comm. Finanswer	185	Sch. 6 (< 100 MWh)	394,425	0	394,425		117
57	December	Comm. Finanswer	172	Sch. 6 (< 100 MWh)	394,425	0	394,425		117
58	December	Comm. Finanswer	218	Sch. 6 (< 100 MWh)	250,396	0	250,396		87
59	December	Comm. Finanswer	219	Sch. 6 (< 100 MWh)	186,955	0	186,955		93
60	December	Comm. Finanswer	229	Sch. 6 (> 100 MWh)	827,481	0	827,481		271

PacifiCorp

Utah Jurisdiction 1994 Net Lost Revenue Calculation
Summary

Line No.	Annualized MWh (1)			Annualized MW (1)			1994 NLR (3)			
	Residential	Commercial	Industrial	TOTAL	Residential	Commercial		Industrial	TOTAL	
1	JANUARY	749	0	0	749	0.10	0.00	0.00	0.10	\$33,795
2	FEBRUARY	0	467	0	467	0.00	0.09	0.00	0.09	11,099
3	MARCH	989	932	0	1,921	0.13	0.45	0.00	0.58	77,000
4	APRIL	1,297	257	0	1,554	0.17	0.04	0.00	0.21	47,576
5	MAY	963	112	0	1,075	0.13	0.01	0.00	0.13	29,135
6	JUNE	1,598	524	0	2,122	0.21	0.09	0.00	0.30	44,649
7	JULY	1,473	1,422	5,868	8,764	0.21	0.38	0.63	1.22	62,072
8	AUGUST	1,433	51	5,316	6,800	0.19	0.01	0.61	0.81	37,443
9	SEPTEMBER	1,658	166	24,608	26,433	0.22	0.04	3.67	3.92	19,329
10	OCTOBER	214	564	0	779	0.03	0.26	0.00	0.28	8,268
11	NOVEMBER	543	410	0	953	0.07	0.12	0.00	0.19	5,759
12	DECEMBER	155	2,252	11,050	13,456	0.02	0.72	0.58	1.32	10,784
13	TOTAL	11,072	7,159	46,842	65,073	1.47	2.21	5.48	9.15	\$386,909
14	DSR TARGET (2)	2,618	3,641	5,843	40,000	0.30	0.40	0.70	6.00	
15	Percent of 1994 Target Completed								153%	

Notes: (1) MWh and MW amounts come from project summary by month on pages 7 and 8.

(2) PacifiCorp's DSR commitment per the Joint Recommendation adopted by the Utah PSC. For residential, commercial, and industrial sectors the commitment is 20% of the RAMP-3 1994 goal. For the total Company the commitment is 40,000 MWh and 6 MW. (Page 4, Exhibit A, Joint Recommendation, Docket No. 92-2035-07 order dated February 10, 1994)

(3) Per page 2 of this attachment, DSR summary per month.

Attachment 2

PacifiCorp
Utah Jurisdiction 1994 Net Lost Revenue Calculation
Net Lost Revenue Summaries by Rate Schedule and by Month of Installation

Line No.		ACCRUAL MONTH												TOTAL					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
TOTAL NET LOST REVENUES BY RATE SCHEDULE \$(1)																			
1	Schedule 1	1,501	2,783	5,012	10,227	16,552	21,689	19,200	21,588	28,953	34,333	37,828	38,469	238,135					
2	Schedule 5	2	4	6	13	20	20	1,553	2,997	3,351	3,663	3,953	3,852	19,434					
3	Sch. 6 (< 100 MWh)	0	51	2,410	5,109	5,910	5,858	3,952	4,055	5,184	7,091	9,477	14,139	63,236					
4	Sch. 6 (> 100 MWh)	0	356	963	999	1,138	1,525	2,460	3,553	4,258	5,342	6,249	8,729	35,572					
5	Schedule 9	0	0	0	18	45	39	475	824	1,281	1,664	1,965	2,031	8,342					
6	Schedule 23	0	37	104	102	239	354	239	215	221	252	325	358	2,446					
7	Schedule 39	0	0	0	0	0	0	0	0	123	77	77	77	354					
8	Contract 1	0	0	0	0	0	0	215	347	3,825	7,474	10,327	12,395	34,583					
9	Contract 2	0	0	0	0	0	0	0	0	(5,362)	(5,517)	(1,287)	(3,022)	(15,188)					
10	TOTAL	1,503	3,231	8,495	16,468	23,904	29,485	28,094	33,579	41,834	54,379	68,914	77,028	386,914					

TOTAL NET LOST REVENUES BY MONTH OF INSTALLATION \$(2)

11	JANUARY	1,503	2,786	3,023	3,215	3,532	3,392	2,503	2,442	2,655	2,826	2,993	2,925	33,795
12	FEBRUARY	0	444	1,192	1,229	1,387	1,316	739	700	848	1,014	1,114	1,116	11,099
13	MARCH	0	0	4,280	8,939	9,767	9,356	6,372	6,214	7,155	8,072	8,471	8,374	77,000
14	APRIL	0	0	0	3,085	6,825	6,581	4,731	4,589	5,035	5,388	5,719	5,623	47,576
15	MAY	0	0	0	0	2,394	4,600	3,388	3,291	3,562	3,800	4,079	4,021	29,135
16	JUNE	0	0	0	0	0	4,241	6,061	5,898	6,501	7,039	7,530	7,379	44,649
17	JULY	0	0	0	0	0	0	4,239	7,804	10,236	12,222	14,060	13,451	62,072
18	AUGUST	0	0	0	0	0	0	0	2,640	7,059	8,483	9,915	9,346	37,443
19	SEPTEMBER	0	0	0	0	0	0	0	0	(1,218)	3,960	9,412	7,175	19,329
20	OCTOBER	0	0	0	0	0	0	0	0	0	1,575	3,343	3,350	8,268
21	NOVEMBER	0	0	0	0	0	0	0	0	0	0	2,277	3,482	5,759
22	DECEMBER	0	0	0	0	0	0	0	0	0	0	0	10,784	10,784
23	TOTAL	1,503	3,230	8,495	16,468	23,905	29,486	28,093	33,578	41,833	54,379	68,913	77,026	386,909

Notes: (1) Energy NLR plus Demand NLR from Page 3.
 (2) The total net lost revenues are calculated identically to those on lines 1 - 10. However, the amounts are summed by month of installation instead of by rate schedule. See the description of the calculations for lines 1 - 10 for detailed information on how the net lost revenues are calculated.

PacifiCorp
Utah Jurisdiction 1994 Net Lost Revenue Calculation
Accumulated Energy & Demand NLR Savings by Rate Schedule

Line No.	Rate Schedule	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ENERGY NET LOST REVENUES (\$) (1)														
1	Schedule 1	1,501	3,077	5,012	10,227	16,552	22,570	21,314	24,024	30,455	34,333	37,828	38,469	245,362
2	Schedule 5	2	4	6	13	20	20	1,790	3,470	3,588	3,663	3,953	3,852	20,381
3	Sch. 6 (< 100 MWh)	0	27	466	1,133	1,771	2,334	888	767	881	1,033	1,683	2,573	13,556
4	Sch. 6 (> 100 MWh)	0	154	338	374	512	784	802	1,004	1,078	1,189	1,754	1,943	9,932
5	Schedule 9	0	0	0	7	21	21	117	121	258	320	621	522	2,008
6	Schedule 23	0	28	65	63	181	297	201	177	164	175	248	281	1,880
7	Schedule 39	0	0	0	0	0	0	0	0	100	0	0	0	100
8	Contract 1	0	0	0	0	0	0	(399)	(1,813)	(1,892)	(1,630)	1,223	74	(4,437)
9	Contract 2	0	0	0	0	0	0	0	0	(6,385)	(11,903)	(7,673)	(9,408)	(35,369)
10	TOTAL	1,503	3,290	5,887	11,817	19,057	26,026	24,713	27,750	28,247	27,180	39,637	38,306	253,413

DEMAND NET LOST REVENUES (\$) (2)														
11	Schedule 1	0	(294)	0	0	0	(881)	(2,114)	(2,436)	(1,502)	0	0	0	(7,227)
12	Schedule 5	0	0	0	0	0	0	(237)	(473)	(237)	0	0	0	(947)
13	Sch. 6 (< 100 MWh)	0	24	1,944	3,976	4,139	3,525	3,054	3,288	4,302	6,059	7,794	11,566	49,681
14	Sch. 6 (> 100 MWh)	0	202	625	625	625	740	1,658	2,548	3,180	4,153	4,495	6,785	25,636
15	Schedule 9	0	0	0	12	23	18	358	703	1,024	1,344	1,344	1,509	6,335
16	Schedule 23	0	9	39	39	58	57	38	38	57	77	77	77	566
17	Schedule 39	0	0	0	0	0	0	0	0	22	77	77	77	253
18	Contract 1	0	0	0	0	0	0	614	2,160	5,717	9,104	9,104	12,321	39,020
19	Contract 2	0	0	0	0	0	0	0	0	1,023	6,386	6,386	6,386	20,181
20	TOTAL	0	(59)	2,608	4,652	4,845	3,459	3,381	5,828	13,586	27,200	29,277	38,721	133,498

Notes: (1) Calculated by taking the MWh savings by schedule on page 4, multiplied by 1000 to convert to kWh, multiplied by the net energy rate by schedule on page 5.
 (2) Calculated by taking the kW savings by schedule on page 4, multiplied by the net demand rate by schedule on page 6.

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Utah Jurisdiction 1994 Net Lost Revenue Calculation
Demand and Energy Savings by Rate Schedule

Line No.	Rate Schedule	Annual Amount	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
ENERGY TOTALS (MWH) (1)															
1	Schedule 1	9,893.8	31.2	62.4	103.5	198.6	292.6	399.3	479.2	552.1	680.9	758.4	789.1	821.2	5,168.5
2	Schedule 5	1,178.0	0.0	0.1	0.1	0.3	0.4	0.4	48.5	96.7	96.7	97.2	98.0	98.2	536.7
3	Sch. 6 (< 100 MWh)	3,647.9	0.0	2.2	42.0	79.9	92.1	121.6	124.2	124.1	119.2	130.1	158.7	270.5	1,264.6
4	Sch. 6 (> 100 MWh)	3,343.4	0.0	15.1	36.1	30.4	29.8	45.8	144.1	216.7	185.9	188.0	197.4	248.1	1,337.4
5	Schedule 9	1,594.0	0.0	0.0	0.0	0.8	1.6	1.6	61.4	121.1	121.0	121.1	121.1	127.2	676.9
6	Schedule 23	146.9	0.0	1.4	3.3	2.8	6.5	10.6	12.6	11.9	10.1	10.5	12.8	15.3	97.6
7	Schedule 39	181.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	22.0
8	Contract 1	24,676.0	0.0	0.0	0.0	0.0	0.0	0.0	184.8	591.2	980.0	1,147.3	1,147.3	1,601.8	5,652.3
9	Contract 2	20,411.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	850.5	1,700.9	1,700.9	1,700.9	5,953.2

DEMAND TOTALS (KW) (2)

10	Schedule 1	1,297	49	98	163	313	461	629	755	870	1,073	1,195	1,279	1,297	
11	Schedule 5	172	0	0	0	0	0	0	85	169	169	170	172	172	
12	Sch. 6 (< 100 MWh)	1,386	0	5	233	477	496	508	553	593	620	726	934	1,386	
13	Sch. 6 (> 100 MWh)	803	0	37	74	74	74	105	294	451	451	492	532	803	
14	Schedule 9	257	0	0	0	2	4	4	117	229	229	229	229	257	
15	Schedule 23	14	0	4	7	7	11	14	14	14	14	14	14	14	
16	Schedule 39	23	0	0	0	0	0	0	0	0	12	23	23	23	
17	Contract 1	2,099	0	0	0	0	0	0	200	704	1,279	1,551	1,551	2,099	
18	Contract 2	3,100	0	0	0	0	0	0	0	0	1,550	3,100	3,100	3,100	

Notes:

- (1) Monthly energy from program summary on Pages 7 & 8. These are calculated by taking half a months amount in the month of installation, plus the full months amount for all DSR installed in prior months. The monthly amount comes from either DOE-2, engineering estimates and metering, or one-twelfth of the annual amount. (See Pages 7 & 8 for more details on how monthly amounts are calculated for specific programs)
- (2) Monthly demand from program summary on Pages 7 & 8. These are calculated by taking half a months amount in the month of installation, plus the full amounts for all DSR projects installed in prior months.

PacifiCorp

Utah Jurisdiction 1994 Net Lost Revenue Calculation
Energy Rate Calculation (All amounts are cents/kWh unless noted)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avoided Cost Calculation												
1	1.8150	1.7090	1.7910	1.5150	1.0610	1.0650	2.1450	2.2320	2.1230	2.0740	1.8350	1.9330
	(4)											
2	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%	11.47%
3	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%	7.04%
4	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%	4.08%
5	2.0232	1.9050	1.9964	1.6888	1.1827	1.1872	2.3910	2.4880	2.3665	2.3119	2.0455	2.1547
6	1.9428	1.8293	1.9171	1.6217	1.1357	1.1400	2.2960	2.3891	2.2725	2.2200	1.9642	2.0691
7	1.8891	1.7787	1.8641	1.5768	1.1043	1.1085	2.2325	2.3231	2.2096	2.1586	1.9099	2.0119
Tail Block Rates (7)												
8	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391	6.8391
9	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786	6.0786
10	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059	3.1059
11	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525	2.8525
12	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227	2.4227
13	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856	3.9856
14	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231	2.8231
15	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165	2.0165
16	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588	1.4588
Net Energy Rates												
17	4.8159	4.9341	4.8427	5.1503	5.6564	5.6519	4.4481	4.3511	4.4726	4.5272	4.7936	4.6844
18	4.0554	4.1736	4.0822	4.3898	4.8959	4.8914	3.6876	3.5906	3.7121	3.7667	4.0331	3.9239
19	1.0827	1.2009	1.1095	1.4171	1.9232	1.9187	0.7149	0.6179	0.7394	0.7940	1.0604	0.9512
20	0.9097	1.0232	0.9354	1.2308	1.7168	1.7125	0.5565	0.4634	0.5800	0.6325	0.8883	0.7834
21	0.5336	0.6440	0.5586	0.8459	1.3184	1.3142	0.1902	0.0996	0.2131	0.2641	0.5128	0.4108
22	1.9624	2.0806	1.9892	2.2968	2.8029	2.7984	1.5946	1.4976	1.6191	1.6737	1.9401	1.8309
23	0.7999	0.9181	0.8267	1.1343	1.6404	1.6359	0.4321	0.3351	0.4566	0.5112	0.7776	0.6684
24	0.1274	0.2378	0.1524	0.4397	0.9122	0.9080	-0.2160	-0.3066	-0.1931	-0.1421	0.1066	0.0046
25	-0.4303	-0.3199	-0.4053	-0.1180	0.3545	0.3503	-0.7737	-0.8643	-0.7508	-0.6998	-0.4511	-0.5531

- Notes: (1) Tail block rate minus avoided cost adjusted for secondary distribution line losses.
 (2) Tail block rate minus avoided cost adjusted for primary distribution line losses.
 (3) Tail block rate minus avoided cost adjusted for transmission line losses.
 (4) Per the 1994 Utah & Oregon Avoided Cost filings, with a sales for resale adjustment.
 (5) Per PacifiCorp's December 31, 1993 Embedded Cost Study filed with the Utah Public Service Commission.
 (6) Avoided energy cost on line 1, increased by line loss percents on lines 2 - 4.
 (7) Tail block rates by rate schedule as currently approved by the Utah PSC.

PacifiCorp

Utah Jurisdiction 1994 Net Lost Revenue Calculation
Demand Rate Calculation (All amounts are \$/kW-mo)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avoided Cost Calculation												
1	0.00	3.00	0.00			1.40	2.80	2.80	1.40		0.00	0.00
2						0.00	0.00	0.00	0.00			
3												
4	0.00	3.00	0.00	0.00	0.00	1.40	2.80	2.80	1.40	0.00	0.00	0.00
Tail Block Rates (4)												
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35
8	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45
9	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87
10	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
11	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
12	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87
13	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06
Net Demand Rates (5)												
14	0.00	(3.00)	0.00	0.00	0.00	(1.40)	(2.80)	(2.80)	(1.40)	0.00	0.00	0.00
15	0.00	(3.00)	0.00	0.00	0.00	(1.40)	(2.80)	(2.80)	(1.40)	0.00	0.00	0.00
16	8.35	5.35	8.35	8.35	8.35	6.95	5.55	5.55	6.95	8.35	8.35	8.35
17	8.45	5.45	8.45	8.45	8.45	7.05	5.65	5.65	7.05	8.45	8.45	8.45
18	5.87	2.87	5.87	5.87	5.87	4.47	3.07	3.07	4.47	5.87	5.87	5.87
19	5.50	2.50	5.50	5.50	5.50	4.10	2.70	2.70	4.10	5.50	5.50	5.50
20	3.33	0.33	3.33	3.33	3.33	1.93	0.53	0.53	1.93	3.33	3.33	3.33
21	5.87	2.87	5.87	5.87	5.87	4.47	3.07	3.07	4.47	5.87	5.87	5.87
22	2.06	(0.94)	2.06	2.06	2.06	0.66	(0.74)	(0.74)	0.66	2.06	2.06	2.06

Notes: (1) Delivery period: October 15 to March 15. Energy was not taken in January or March. Information on November and December purchases is not yet available; therefore, it is being assumed that power will be taken during those months. This will be true up when information on November and December purchases becomes available. See the letter on why this is used to approximate monthly avoided demand.
 (2) Delivery period: June 15 to September 15. Energy was taken each month. June and September capacity is billed at half the normal monthly rate.
 (3) Delivery period: June 1 to September 30. The pure capacity rate included in the contract is \$2.12. The contract includes a ratchet which increases this rate by \$.75/kW-mo for each week during the month that power was taken. No energy was sold under the contract in 1994.
 (4) Tail block rates by rate schedule as currently approved by the Utah PSC.
 (5) Tail Block rates minus the avoided cost amount on line 4.

PacifiCorp

Utah Jurisdiction 1994 Net Lost Revenue Calculation
DSR Projects by Month of Installation (Page 1 of 2)

Line No.	Month	DSR Program	Customer Class	Rate Schedule	Gross Annualized kWh	Load Growth kWh	Annualized kWh	Conservation Load Factor (10)	Demand kW (9)	Approx. NLR	Monthly Method
1	January	ECONS	(1) Residential	Schedule 1	748,243	0	748,243	87%	98	\$33,751	(5)
2	January	ECONS	(1) Residential	Schedule 5	1,117	0	1,117	87%	0	\$44	(5)
3	February	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	32,399	50,000	(17,601)	60%	(3)	(\$415)	(6)
4	February	Commercial Spec.	(4) Commercial	Sch. 6 (> 100 MWh)	386,471	0	386,471	60%	74	\$9,028	(6)
5	February	Finanswer 12,000	(3) Commercial	Sch. 6 (< 100 MWh)	63,521	0	63,521	60%	12	\$1,541	(7)
6	February	Finanswer 12,000	(3) Commercial	Schedule 23	35,070	0	35,070	60%	7	\$947	(7)
7	March	ECONS	(1) Residential	Schedule 1	987,478	0	987,478	87%	130	\$36,890	(5)
8	March	ECONS	(1) Residential	Schedule 5	1,119	0	1,119	87%	0	\$36	(5)
9	March	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	921,721	0	921,721	87%	448	\$39,982	(6)
10	March	Finanswer 12,000	(3) Commercial	Sch. 6 (< 100 MWh)	10,274	0	10,274	87%	0	\$90	(7)
11	April	ECONS	(1) Residential	Schedule 1	1,294,284	0	1,294,284	87%	170	\$42,966	(5)
12	April	ECONS	(1) Residential	Schedule 5	2,720	0	2,720	87%	0	\$79	(5)
13	April	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	236,290	0	236,290	60%	39	\$4,285	(6)
14	April	Finanswer 12,000	(3) Commercial	Schedule 9	21,000	0	21,000	60%	4	\$245	(7)
15	May	ECONS	(1) Residential	Schedule 1	963,011	0	963,011	87%	126	\$27,637	(5)
16	May	Comm. Finanswer	(3) Commercial	Schedule 23	99,538	0	99,538	87%	7	\$1,354	(6)
17	May	Finanswer 12,000	(3) Commercial	Schedule 23	12,242	0	12,242	87%	0	\$146	(7)
18	June	ECONS	(1) Residential	Schedule 1	1,597,963	0	1,597,963	87%	210	\$38,469	(5)
19	June	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	125,163	0	125,163	87%	23	\$1,706	(6)
20	June	Comm. Finanswer	(3) Commercial	Sch. 6 (> 100 MWh)	399,142	0	399,142	87%	62	\$4,475	(6)
21	July	ECONS	(1) Residential	Schedule 1	318,395	0	318,395	87%	42	\$6,412	(5)
22	July	Sch. 5 Water Kits	(2) Residential	Schedule 5	1,154,839	0	1,154,839	78%	169	\$19,138	(5)
23	July	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	105,204	0	105,204	87%	67	\$3,078	(6)
24	July	Comm. Finanswer	(3) Commercial	Sch. 6 (> 100 MWh)	1,317,100	0	1,317,100	87%	315	\$17,222	(6)
25	July	Indus. Finanswer	(3) Industrial	Schedule 9	1,432,000	0	1,432,000	87%	225	\$7,908	(8)
26	July	Major Accounts	(4) Industrial	Contract 1	4,436,000	0	4,436,000	87%	400	\$8,313	(5)
27	August	ECONS	(1) Residential	Schedule 1	1,432,520	0	1,432,520	87%	188	\$24,129	(5)
28	August	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	51,125	0	51,125	87%	14	\$651	(6)
29	August	Major Accounts	(4) Industrial	Contract 1	5,316,000	0	5,316,000	87%	607	\$12,663	(5)
30	September	ECONS	(1) Residential	Schedule 1	1,658,473	0	1,658,473	87%	218	\$22,294	(5)
31	September	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	166,327	0	166,327	87%	39	\$1,501	(6)
32	September	Indus. Finanswer	(3) Industrial	Schedule 39	181,743	0	181,743	87%	23	\$352	(8)
33	September	Major Accounts	(4) Industrial	Contract 1	4,015,000	0	4,015,000	87%	544	\$10,369	(5)
34	September	Major Accounts	(4) Industrial	Contract 2	20,411,000	0	20,411,000	87%	3,100	(\$15,188)	(5)

PacifiCorp

Utah Jurisdiction 1994 Net Lost Revenue Calculation DSR Projects by Month of Installation (Page 2 of 2)

Line No.	Month	DSR Program	Customer Class	Rate Schedule	Gross Annualized kWh	Load Growth kWh	Annualized kWh	Conservation Load Factor (10)	Demand kW (9)	Approx. NLR	Monthly Method
35	October	ECONS	(1) Residential	Schedule 1	199,944	0	199,944	87%	26	\$1,956	(5)
36	October	ECONS	(1) Residential	Schedule 5	14,302	0	14,302	87%	2	\$117	(5)
37	October	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	151,270	0	151,270		174	\$3,873	(6)
38	October	Comm. Finanswer	(3) Commercial	Sch. 6 (> 100 MWh)	413,185	0	413,185		81	\$2,322	(6)
39	November	ECONS	(1) Residential	Schedule 1	538,712	0	538,712	87%	71	\$3,179	(6)
40	November	ECONS	(1) Residential	Schedule 5	3,883	0	3,883	87%	1	\$19	(6)
41	November	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	410,433	0	410,433		121	\$2,561	(7)
42	December	Low Income	(11) Residential	Schedule 1	84,370	0	84,370	87%	10	\$314	(6)
43	December	SERP	(12) Residential	Schedule 1	70,372	0	70,372	100%	8	\$137	(6)
44	December	Comm. Finanswer	(3) Commercial	Sch. 6 (< 100 MWh)	1,226,201	0	1,226,201		414	\$3,982	(6)
45	December	Comm. Finanswer	(3) Commercial	Sch. 6 (> 100 MWh)	827,481	0	827,481		271	\$2,524	(6)
46	December	Finanswer 12,000	(3) Commercial	Sch. 6 (< 100 MWh)	197,926	0	197,926	60%	38	\$400	(6)
47	December	Indus. Finanswer	(3) Industrial	Schedule 9	141,000	0	141,000		28	\$188	(6)
48	December	Major Accounts	(4) Industrial	Contract 1	10,909,000	0	10,909,000		548	\$3,238	(6)
PROGRAM SUMMARY											
49		ECONS	(1) Residential		9,762,164	0	9,762,164		1,282	\$237,978	
50		Sch. 5 Water Kits	(2) Residential		1,154,839	0	1,154,839		169	\$19,138	
51		Low Income	(11) Residential		84,370	0	84,370		10	\$314	
52		SERP	(12) Residential		70,372	0	70,372		8	\$137	
53		Comm. Finanswer	(3) Commercial		6,482,579	50,000	6,432,579		2,072	\$89,101	
54		Commercial Spec.	(4) Commercial		386,471	0	386,471		74	\$9,028	
55		Finanswer 12,000	(3) Commercial		340,033	0	340,033		61	\$3,369	
56		Indus. Finanswer	(3) Industrial		1,754,743	0	1,754,743		276	\$8,448	
57		Major Accounts	(4) Industrial	Contract 1	24,676,000	0	24,676,000		2,099	\$34,583	
58		Major Accounts	(4) Industrial	Contract 2	20,411,000	0	20,411,000		3,100	(\$15,188)	
59		TOTALS			65,122,571	50,000	65,072,571		9,151	\$386,908	

Notes: (1) DSR acquisition contract under which ECONS provides electric water heating conservation measures to multi-family dwellings
(2) The Company distributed approximately 2,500 water conservation kits to Schedule 5 customers as an inducement to complete and return an energy consumption survey. The survey will be used to assess the energy conservation needs of this group of customers.
(3) Tariffed program under which the Company provides energy conservation services and initial funding for energy conservation measures. The customer pays the Company back through an energy service charge on the customers bill. The Customer has the option to participate in the program services without accepting Company funding of measures.
(4) The Company provides customized engineering support and financing to major accounts for comprehensive DSM projects.
(5) Monthly savings calculated as one-twelfth of the annual amount.
(6) Monthly savings calculated from DOE-2 outputs.
(7) Monthly savings calculated using the average of similar Commercial Finanswer projects.
(8) Monthly savings calculated from preliminary engineering analysis and metering.
(9) Net of demand Load Growth
(10) Used to calculate demand savings if specific information is not available.
(11) The Company provides a rebate for the installation of energy efficient measures in low income homes.
(12) The SERP program was directed at the design and marketing of refrigerators that are between 25% and 50% more efficient than 1993 government standards.