

Puget rate design

Exs. 26 → 89

entered at hearing on
May 10-12, 1993

please log.

all

(Exs. 81, 82 and 90 are
responses to bench
study Nov 30)

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Puget Sound Power & Light Company
Docket No. UE-920499
BENCH REQUEST NUMBER 1

Request:

Calculate the cost of service model with the proposed rates and indicate the parity ratios by subclass.

Response by Ms. Lynch:

See the attached spreadsheet, Allocated Costs Versus Revenues, which shows the results of calculating the cost of service using the proposed rates. The resulting parity ratios are shown on line 13.

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION
UE-920433; -920499;
No. -921262 Ex. 26 ✓

Puget Sound Power & Light Company									
Allocated Costs Versus Revenues									
10/6/92 10:03									
	Category		Summary	Summary	Summary	Summary	Summary	Summary	Summary
	Reference	Total	Class	Class	Class	Class	Class	Class	Class
Description	ID #	Allocation	Residential	Secondary Gen	Primary Gen'l S	High Volt Gen'l S	Lighting	Firm Resale	
Operating Expenses									
1	Operation & Maintenance Expense	OME.T	421,977,743	234,463,261	106,933,531	27,024,805	48,004,571	3,602,631	1,948,944
2	Depreciation & Amortization Expense	DAE.T	104,859,160	61,139,489	26,851,570	6,326,523	9,205,693	914,467	421,419
3	Total Taxes	TAX.T	118,641,931	69,405,756	30,192,718	7,124,058	10,376,924	1,069,312	473,164
4	Total Operating Expenses	(1+2+3)	645,478,834	365,008,506	163,977,819	40,475,385	67,587,188	5,586,410	2,843,527
5	Return On Net Investment	RRB.T	189,016,982	112,262,112	48,223,792	11,142,694	14,861,806	1,811,040	715,538
6	Total Cost of Service	TC.T	834,495,816	477,270,618	212,201,610	51,618,079	82,448,994	7,397,450	3,559,065
7	Total Operating Revenues	REV.T3	834,495,813	467,913,756	226,360,306	50,903,205	78,206,376	7,600,848	3,511,322
8	Operating Income Deficiency	(6-7)	3	9,356,863	-14,158,696	714,873	4,242,618	-203,398	47,743
9	Adjusted for Conversion Factor	CF.T	4	14,846,337	-22,465,306	1,134,275	6,731,673	-322,728	75,753
10	Total Sales of Electricity	REV.T1	823,563,083	460,450,186	224,671,437	50,378,095	76,994,402	7,575,089	3,493,873
11	Revenues Required From Rates	(9+10)	823,563,087	475,296,524	202,206,132	51,512,369	83,726,075	7,252,362	3,569,626
12	Revenue to Revenue Requirements	(10/11)	100%	97%	111%	98%	92%	104%	98%
13	Adj Revenue to Revenue Requirements	(restate 12)	100%	97%	111%	98%	92%	104%	98%

Puget Sound Power & Light Company									
Allocated Costs Versus Revenues									
10/6/92 10:03									
	Residential	Residential	Residential	Secondary Ge	Secondary Ge	Secondary Ge	Secondary Ge	Primary Gen'l	
	47	37	27	24	25	26	29	31	
Description	Water Heating	Space Heating	Lighting	0-50 kw	51-350 kw	>350 kw	Irrigation	General Servi	
Operating Expenses									
1	Operation & Maintenance Expense	62,186,675	150,757,867	21,518,719	42,560,263	41,201,642	22,881,457	290,168	22,229,515
2	Depreciation & Amortization Expense	15,473,357	40,194,975	5,471,157	10,572,612	10,207,424	5,978,739	92,795	4,993,226
3	Total Taxes	17,578,761	45,586,517	6,240,478	11,957,745	11,447,580	6,684,942	102,451	5,605,711
4	Total Operating Expenses	95,238,793	236,539,359	33,230,354	65,090,620	62,856,646	35,545,139	485,413	32,828,451
5	Return On Net Investment	27,954,165	74,322,033	9,985,914	19,027,151	18,208,241	10,814,392	174,006	8,607,724
6	Total Cost of Service	123,192,958	310,861,393	43,216,268	84,117,771	81,064,888	46,359,532	659,419	41,436,176
7	Total Operating Revenues	127,938,451	300,520,934	39,454,370	87,871,179	89,954,405	48,056,470	478,252	42,890,887
8	Operating Income Deficiency	-4,745,493	10,340,458	3,761,898	-3,753,407	-8,889,517	-1,696,938	181,167	-1,454,711
9	Adjusted for Conversion Factor	-7,529,574	16,406,988	5,968,924	-5,955,452	-14,104,811	-2,692,497	287,454	-2,308,160
10	Total Sales of Electricity	125,881,916	296,035,481	38,532,789	86,910,945	89,499,707	47,792,776	468,010	42,448,598
11	Revenues Required From Rates	118,352,342	312,442,469	44,501,713	80,955,492	75,394,896	45,100,279	755,464	40,140,438
12	Revenue to Revenue Requirements	106%	95%	87%	107%	119%	106%	62%	106%
13	Adj Revenue to Revenue Requirements	106%	95%	87%	107%	119%	106%	62%	106%

Puget Sound Power & Light Company								
Allocated Costs Versus Revenues								
10/6/92 10:03								
		Primary Gen'l	Primary Gen'l	High Volt Gen	High Volt Gen	Lighting	Lighting	Firm Resale
		43	35	49	46	55	50	5
Description		Interruptible	Irrigation	General Serv	Interruptible	Area	Street	Large & Small
Operating Expenses								
1	Operation & Maintenance Expense	4,712,220	83,070	43,859,820	4,144,751	434,265	3,168,366	1,948,944
2	Depreciation & Amortization Expense	1,312,863	20,434	8,425,285	780,407	104,963	809,504	421,419
3	Total Taxes	1,495,742	22,605	9,497,407	879,517	125,116	944,196	473,164
4	Total Operating Expenses	7,520,824	126,109	61,782,513	5,804,675	664,344	4,922,066	2,843,527
5	Return On Net Investment	2,499,327	35,643	13,614,056	1,247,751	210,052	1,600,988	715,538
6	Total Cost of Service	10,020,151	161,752	75,396,568	7,052,425	874,396	6,523,054	3,559,065
7	Total Operating Revenues	7,909,557	102,761	71,745,652	6,460,724	676,995	6,923,853	3,511,322
8	Operating Income Deficiency	2,110,594	58,991	3,650,917	591,701	197,401	-400,799	47,743
9	Adjusted for Conversion Factor	3,348,835	93,600	5,792,833	938,840	313,212	-635,939	75,753
10	Total Sales of Electricity	7,827,613	101,884	70,554,318	6,440,084	673,765	6,901,325	3,493,873
11	Revenues Required From Rates	11,176,447	195,484	76,347,151	7,378,924	986,976	6,265,386	3,569,626
12	Revenue to Revenue Requirements	70%	52%	92%	87%	68%	110%	98%
13	Adj Revenue to Revenue Requirements	70%	52%	92%	87%	68%	110%	98%