ORDER NO. 03-457

ENTERED JUL 24 2003

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OF OREGON

UM 1064

In the Matter of)	
)	
PACIFICORP,)	
dba PACIFIC POWER & LIGHT COMPANY,)	ORDER
)	
Application for an Order Authorizing a Change)	
in Depreciation Rates Applicable to Electric)	
Property.)	

DISPOSITION: STIPULATION ADOPTED.

On October 1, 2002, PacifiCorp, dba Pacific Power and Light Company (PacifiCorp), filed Application for an Order Approving a Change in Depreciation Rates. Based on the March 31, 2002 plant balances, the changes proposed by PacifiCorp would have reduced Oregon jurisdictional depreciation rates by approximately \$4.4 million.

On March 20, 2003, a prehearing conference was held to identify parties and establish a procedural schedule. Pursuant to the schedule, the Staff of the Public Utility Commission (Staff) submitted its depreciation proposal on April 30, 2003. No other person or entity requested party status in the proceeding.

A settlement conference was held in this matter on May 16, 2003. The discussions resulted in a compromise settlement between PacifiCorp and Staff (hereafter, the Stipulation). The Stipulation is attached to this Order as Appendix A, and sets forth the procedural history of the docket, positions of the parties, the terms of the settlement agreement, and general terms and conditions. Exhibit 1 of the Stipulation details the account-by account depreciation rates agreed to by the parties.

Under the terms of the Stipulation, PacifiCorp's depreciation rates will decrease by approximately \$12.7 million on an annual basis. The stipulated effective date is April 1, 2003. The stipulation is sponsored by the testimony of Staff Senior Cost Analyst Roger White, attached to this Order as Appendix B.

After reviewing the terms of the Stipulation and supporting testimony, the Commission concludes that agreement reached by PacifiCorp and Staff will produce depreciation rates that are fair, just and reasonable. The Stipulation should be adopted.

ORDER NO. 03-457

ORDER

IT IS ORDERED that the Stipulation between Staff and PacifiCorp, dba Pacific Power and Light Company, regarding depreciation rates is approved. The Stipulation shall take effect April 1, 2003.

Made, entered, and effective ______.

Roy Hemmingway Chairman Lee Beyer Commissioner

A party may request rehearing or reconsideration of this order pursuant to ORS 756.561. A request for rehearing or reconsideration must be filed with the Commission within 60 days of the date of service of this order. The request must comply with the requirements in OAR 860-014-0095. A copy of any such request must also be served on each party to the proceeding as provided by OAR 860-013-0070(2). A party may appeal this order to a court pursuant to applicable law.

BEFORE THE PUBLIC UTILITY COMMISSION OF OREGON

UM 1064

In the Matter of the Application of PacifiCorp, dba Pacific Power & Light, for an Order Authorizing a Change in Depreciation Rates Applicable to Electric Property.

STIPULATION BETWEEN STAFF AND PACIFICORP

This Stipulation is entered into for the purpose of resolving all issues regarding PacifiCorp's application seeking a change in depreciation rates applicable to the Company's electric plant.

PARTIES

 The initial parties to this Stipulation are PacifiCorp and the Staff of the Public Utility Commission of Oregon ("Staff"). No other entities have sought or secured party status in this Docket.

INTRODUCTION

2. On October 1, 2002, PacifiCorp commenced this proceeding by filing its Application for an Order Approving a Change in Depreciation Rates ("Application"). Based on March 31, 2002 plant balances, the changes in depreciation rates proposed by PacifiCorp would have resulted in an annual Oregon jurisdictional decrease of approximately \$4.4 million. The testimony and depreciation study of Deloitte & Touche, by Donald S. Roff, based on electric property as of March 31, 2002, ("Study") was concurrently filed in support of the Company's application.

3. On Thursday, March 20, 2003, Administrative Law Judge Samuel J. Petrillo conducted a prehearing telephone conference to identify parties and to establish a procedural schedule. Pursuant to the schedule established by ALJ Petrillo, Staff submitted its proposal addressing PacifiCorp's depreciation Application on April 30, 2003.

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4. On Friday, May 16, 2003, PacifiCorp and Staff participated in a Settlement Conference at the Commission's offices in Salem, Oregon. The discussions resulted in a compromise settlement of the Parties (the "Stipulation"). The initial positions taken in this Docket by PacifiCorp and Staff, and the settlement that was reached, are summarized below. Attached Stipulation Exhibit No. 1, incorporated herein by this reference, sets forth the detailed account-by-account depreciation rates that parties agree should be adopted by the Commission.

POSITIONS OF THE PARTIES

5. PacifiCorp's proposed depreciation rates, and their justification, are set forth in the Study filed with its Application. The Study concludes that a decrease in total Company annual depreciation expense of approximately \$0.7 million, compared with the level of annual depreciation expense developed by application of the currently authorized depreciation rates to the same plant balances, is justified. Oregon jurisdictional depreciation expenses would decrease by approximately \$4.4 million under the Study recommendations.

6. Oregon Staff proposes modification of the Study's recommendations regarding net salvage for steam production plant and one Company transmission plant account. In addition, Staff recommends adjustments to the depreciation expense for the Company's hydroelectric plant assets and removal from the Company's Study of the Naches hydro plant in light of the pending sale of this facility. These recommended Study modifications would decrease PacifiCorp's annual Oregon depreciation expense from the originally-filed \$4.4 million to \$8.8 million. These recommendations were accepted by PacifiCorp.

In addition, Staff's April 30, 2003 proposal recommended four changes to PacifiCorp's proposed net salvage allowances for the Distribution and General Plant functions and further recommended changes in average service life or dispersion curve (or both) for all but three of the fourteen FERC account categories in the Distribution Plant function. For General Plant, the Staff also proposes changes in average service life or dispersion curve (or both) for five of the eight FERC accounts.

APPENDIX A PAGE 3 OF 33 Implementation of Staff's recommendations addressing net salvage value and Distribution and General Plant average service lives in addition to the changes listed above would have resulted in an annual decrease in depreciation expenses of approximately \$17 million dollars.

TERMS OF THE SETTLEMENT AGREEMENT

7. In this Stipulation, PacifiCorp and Oregon Staff were able to resolve the issues raised in this Docket. As a compromise of the issues in controversy, the Parties have agreed to depreciation rates that would result in a decrease of approximately \$12.7 million on an annual basis. This \$12.7 million annual depreciation expense decrease was reached through consensus on issues involving the negative net salvage values for steam generation and several transmission, distribution and general plant accounts, as well as consensus on the service lives on Distribution and General Plant accounts. This agreement regarding depreciation rates and net salvage values for specific plant accounts is set forth in detail in Stipulation Exhibit No. 1, and will be only briefly summarized below.

8. <u>Average Service Lives</u>. The following describes the PacifiCorp Staff agreement on average service lives (account average service lives not identified were uncontested and remain as filed in the Study):

Account 362.00—Station Equipment. The current approved average service life for Account 362 is 45 years. The Study recommendation is 50 years while Staff's initial position was 56 years. The Parties agreed on 55 years for settlement purposes.

Account 364.00—Poles, Towers and Fixtures. The current approved average service life for Account 364 is 35 years. Based on trends in average service life analysis, the Study increased the average service life to 38 years. Staff's recommendation was 44 years. For settlement purposes, the Parties agreed on 40 years average service life.

Account 365.00—Overhead Conductors and Devices. The current average service life is 40 years and the Study recommendation is 45 years. Staff's initial recommendation was 49 years. The Parties recommend 45 years, for settlement purposes.

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Account 367.00—Underground Conductors and Devices. The current approved average service life is 40 years, and based upon the trends in average service life analysis indications, the Company's Study recommended increasing the average service life to 45 years. Staff's initial position was 57 years. The Parties agreed on a settlement position of 48 years.

Account 369.20—Underground Services. The existing average service life is 40 yeas and the Study recommends increasing the average service life to 45 years. Staff's April 30, 2003 position was 54 years. For settlement purposes, the Parties ask the Commission to adopt 54 years.

Account 368.00—Line Transformers. The existing average service life is 35 years and the Study recommendation was 38 years. Staff originally recommended a 39-year life but, for settlement purposes, the Parties agreed on propose 38 years.

Account 373.00—Street Lighting. The current average service life is 35 years. The Study recommended increasing the assumed life to 40 years while Staff's initial position was 48 years. The Parties recommend 40 years for settlement purposes.

Account 397.00—Communication Equipment. The Study recommended no change to the currently approved average service life of 20 years. Staff initially recommended 34 years. The Parties ask the Commission to approve an average service life of 20 years in this Stipulation.

9. <u>Steam Production Plant Terminal Net Salvage</u>. The Parties agree that PacifiCorp's terminal net salvage value for its steam production plant shall be revised by reducing the requested \$50.00 per KW level demolition cost estimate to \$25.00 per kW. Such reduction results in a negative 4.47 percent net salvage value for he Company's steam production plant versus the negative 6.5 percent currently in rates and the negative 8.21 percent requested by the Company in its filing.

10. <u>Transmission and Distribution Plant Net Account Net Salvage</u>. The Parties agree to the following transmission plant account net salvage levels (account net salvage levels not identified remain unchanged):

APPENDIX A PAGE 5 OF 33 Account 356—Overhead Conductors. The current approved depreciation rate for Account 356 reflects net salvage of negative 45 percent. In its Application, PacifiCorp proposed a salvage level of negative 40 percent. Staff and the Company agree, for settlement purposes to a net salvage level at negative 30 percent.

The Parties agree to the following distribution plant account net salvage levels (account net salvage levels not identified remain unchanged):

Distribution Plant Account 370—Meters. In its Application, PacifiCorp proposed a salvage rate of zero. Staff proposed a positive a salvage rate of positive 2 percent. The Parties agree, for settlement purposes, on a salvage rate of positive 2 percent.

The Parties agree to the following general plant account net salvage levels (account net salvage levels not identified remain unchanged):

General Plant Account 390—Structures and Improvements. PacifiCorp originally proposed a salvage rate of zero. The Parties agree, for settlement purposes, to propose Staff's recommended rate of positive 2 percent.

General Plant Account 396.03—Light Power Operated Equipment. The Company's Study-based recommendation was a positive 35 percent, while Staff recommended using a positive 37 percent. For settlement purposes, the Parties agree to propose a positive 37 percent.

General Plant Account 397—Communication Equipment. PacifiCorp originally proposed use of a negative 10 percent salvage rate. Staff recommended use of a negative 5 percent. The Parties agree to propose using a negative 5 percent salvage rate.

11. <u>Hydroelectric Plant Retirement Costs</u>. In view of its pending sale, the Parties agree that the Company's proposed depreciation expense for the Naches hydro plant should be removed because depreciation expense will stop for the Naches hydro plant at the time of the sale. The Parties further agree that any additional recovery by the Company of costs for the Condit hydro plant shall be extended from 3.5 years to a 7 year recovery period.

12. <u>Water Rights</u>. The Parties agree that further depreciation of the Company's water rights shall be suspended as of April 1, 2003.

APPENDIX A PAGE 6 OF 33 13. <u>Study of Steam Poduction Demolition Costs</u>. The Parties agree that it is in the Company's and its customers' interests to more accurately attempt to estimate what the terminal net salvage (demolition costs) might be for the Company's steam production plant. To that end a Task Force consisting of PacifiCorp representatives as well as regulatory representatives from all PacifiCorp retail jurisdictions will select an expert consultant to investigate and evaluate steam production demolition costs at representative plants selected by the Task Force. The Task Force will be responsible for oversight of the selected consultant and the resulting report. In an effort to maximize the independence of the resulting report, all contact, regarding policy or direction, with the selected consultant must include the Task Force members. The report of the Task Force's findings and recommendations will be filed with PacifiCorp's next depreciation study. All costs relating to such report will be borne by PacifiCorp with the understanding that PacifiCorp will be permitted to seek reimbursement of such costs through the rate setting process in an appropriate future case. No member of the Task Force will be bound by the results of such study in the determination of proper depreciation rates for any future period.

14. <u>Next Company Depreciation Study and Filing</u>. The Parties agree that PacifiCorp shall file its next depreciation study and application with the Commission no later than five years after the Commission's final order in this Docket.

GENERAL TERMS AND CONDITIONS

15. The Parties agree that this Stipulation represents a compromise of their positions but that with respect to the issues covered herein, this Stipulation is in the public interest and all of its terms and conditions are fair, just and reasonable. Other than the positions referenced above, and any testimony or comments, and except to the extent necessary for a party to explain before the Commission its own statements and positions with respect to the Stipulation, all negotiations relating to the Stipulation shall be treated as confidential and shall not be admissible as evidence in this or any other proceeding.

16. The Parties have negotiated this Stipulation as an integrated document. Accordingly, the Parties recommend that the Commission adopt the Stipulation in its entirety. If

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the Commission rejects all or any material portion of this Stipulation or imposes additional material conditions in approving this Stipulation, any party disadvantaged by such action shall have the rights provided in OAR 860-014-0085 and shall be entitled to seek reconsideration or appeal of the Commission's Order.

17. This Stipulation will be offered into the record of this proceeding as evidence pursuant to OAR 860-14-0085. The parties agree to support this Stipulation throughout this proceeding and any appeal, provide witnesses to sponsor this Stipulation at the hearing and recommend that the Commission issue an order adopting the settlements contained herein.

18. By entering into this Stipulation, no party shall be deemed to have approved, admitted or consented to the facts, principles, methods or theories employed by any other party in arriving at the terms of this Stipulation. No party shall be deemed to have agreed that any provision of this Stipulation is appropriate for resolving issues in any other proceeding.

19. Effective Date. The Parties agree that this Stipulation shall, subject to Commission approval, take effect on April 1, 2003.

20. This Stipulation may be executed in counterparts and each signed counterpart shall constitute an original document.

This Stipulation is entered into by each party on the date entered below such party's signature.

DATED: May __, 2003.

PACIFICORP

STAFF OF THE OREGON PUBLIC UTILITY COMMISSION

By:	By:
Date:	Date:

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Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET S/	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	STEAM PRODUCTION PLANT										
	HUNTER PLANT	0.40,000		40.00	0.000/		440.040	405 440	~~~~		0.00
	Land Rights	246,338	LIFESPAN	43.99	0.00%	-	110,919	135,419	23.00	5,888	2.39
	Structures & Improvements	197,490,183	LIFESPAN	43.51	-3.99%	(7,879,858)	88,991,499	116,378,542	22.49	5,174,680	2.62
	Boiler Plant Equipment	486,169,151	LIFESPAN	41.11	-3.68%	(17,891,025)	207,432,846	296,627,330	22.11	13,415,981	2.76
	Turbogenerator Units	135,081,740	LIFESPAN	35.18	-3.66%	(4,943,992)	47,935,970	92,089,762	21.27	4,329,561	3.21
	Accessory Electric Equipment Misc. Power Plant Equipment	96,501,375	LIFESPAN LIFESPAN	43.30 40.87	-3.24%	(3,126,645)	43,032,828	56,595,192	22.69 20.57	2,494,279	2.58 2.86
310.00	Total Hunter Plant	<u>6,637,945</u> 922,126,732	LIFESPAN	40.87	-3.00%	(199,138) (34,040,658)	<u>2,936,169</u> 390,440,231	3,900,914 565,727,159	20.57	189,641 25,610,029	2.00
	Total Hunter Flant	922,120,732		40.90	-3.09%	(34,040,038)	390,440,231	505,727,159	22.12	25,010,029	2.70
	JIM BRIDGER PLANT										
310.20	Land Rights	281,111	LIFESPAN	44.44	0.00%	-	152,401	128,710	18.00	7,151	2.54
	Structures & Improvements	132,301,338	LIFESPAN	41.25	-5.15%	(6,813,519)	68,289,385	70,825,472	17.69	4,003,701	3.03
312.00	Boiler Plant Equipment	488,100,056	LIFESPAN	37.37	-4.92%	(24,014,523)	233,141,055	278,973,524	17.46	15,977,865	3.27
314.00	Turbogenerator Units	121,236,397	LIFESPAN	34.19	-4.91%	(5,952,707)	53,904,996	73,284,108	16.94	4,326,098	3.57
315.00	Accessory Electric Equipment	51,376,361	LIFESPAN	43.77	-4.59%	(2,358,175)	27,642,767	26,091,769	17.81	1,465,007	2.85
315.70	Supervisory Equipment	49,537	LIFESPAN	42.49	-4.59%	(2,274)	26,090	25,721	17.81	1,444	2.92
316.00	Misc. Power Plant Equipment	3,714,456	LIFESPAN	38.99	-4.41%	(163,808)	1,877,975	2,000,289	16.50	121,230	3.26
	Total Jim Bridger Plant	797,059,256		37.95	-4.93%	(39,305,005)	385,034,669	451,329,592	17.44	25,902,496	3.25
	HUNTINGTON PLANT										
311.00	Structures & Improvements	94,217,931	LIFESPAN	41.82	-6.10%	(5,747,294)	50,571,926	49,393,299	16.72	2,954,145	3.14
	Boiler Plant Equipment	211,095,849	LIFESPAN	37.01	-5.89%	(12,433,546)	103,720,395	119,809,000	16.52	7,252,361	3.44
	Turbogenerator Units	75,977,551	LIFESPAN	32.65	-5.88%	(4,467,480)	33,693,863	46,751,168	16.05	2,912,845	3.83
	Accessory Electric Equipment	27,412,926	LIFESPAN	41.85	-5.58%	(1,529,641)	14,694,718	14,247,849	16.83	846.575	3.09
	Misc. Power Plant Equipment	4,850,527	LIFESPAN	32.94	-5.41%	(262,414)	2,194,767	2,918,174	15.67	186,227	3.84
	Total Huntington Plant	413,554,784		37.58	-5.91%	(24,440,374)	204,875,669	233,119,489	16.49	14,152,152	3.42
									-		
244.00	CHOLLA PLANT	45 404 000		44.00	2 6 4 9 /	(4.044.002)	00 750 545	04.077.005	22.40	1 070 505	0.07
	Structures & Improvements Boiler Plant Equipment	45,191,268 213,376,230	LIFESPAN LIFESPAN	41.93 41.49	-3.64% -3.31%	(1,644,962)	22,758,545 110,007,857	24,077,685 110,431,126	22.49 21.19	1,070,595 5,211,474	2.37 2.44
	Turbogenerator Units	49,782,045	LIFESPAN	41.49	-3.31%	(7,062,753)	25,377,878	26,056,931	21.19	1,225,056	2.44
	Accessory Electric Equipment	45,553,006	LIFESPAN	41.15	-2.90%	(1,652,764) (1,321,037)	24,186,676	22,687,367	21.27	999.884	2.40
	Supervisory Equipment	43,333,000	LIFESPAN	32.19	-2.90%	(1,321,037) (2,037)	24,100,070	49,792	22.69	2,194	3.12
	Misc. Power Plant Equipment	2,890,903	LIFESPAN	41.56	-2.66%	(76,898)	1,517,188	1,450,613	20.57	70,521	2.44
010.00	Total Cholla Plant	356,863,704		41.84	-3.30%	(11,760,452)	183,870,641	184,753,515	-	8,579,724	2.40
					0.0070	(11,100,102)		10 1,1 00,0 10		0,010,121	
	DAVE JOHNSTON PLANT										
310.20	Land Rights	99,970	LIFESPAN	47.39	0.00%	-	56,478	43,492	18.00	2,416	2.42
	Structures & Improvements	46,964,762	LIFESPAN	34.26	-5.95%	(2,794,403)	20,427,308	29,331,857	17.69	1,658,104	3.53
	Boiler Plant Equipment	246,534,286	LIFESPAN	35.18	-5.69%	(14,027,801)	113,963,432	146,598,655	16.52	8,874,011	3.60
	Turbogenerator Units	58,565,063	LIFESPAN	38.88	-5.71%	(3,344,065)	29,249,359	32,659,769	16.94	1,927,967	3.29
	Accessory Electric Equipment	15,806,059	LIFESPAN	43.08	-5.38%	(850,366)	8,400,489	8,255,936	17.81	463,556	2.93
	Supervisory Equipment	173,871	LIFESPAN	36.24	-5.39%	(9,372)	79,878	103,365	17.81	5,804	3.34
316.00	Misc. Power Plant Equipment	2,648,584	LIFESPAN	25.04	-5.21%	(137,991)	770,047	2,016,528	16.50	122,214	4.61
	Total Dave Johnston Plant	370,792,595		35.92	-5.71%	(21,163,998)	172,946,991	219,009,602	16.79	13,054,072	3.52

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	-	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	WYODAK PLANT								~~ ~~		
	Land Rights	164,797	LIFESPAN	40.69	0.00%	-	70,983	93,814	20.00	4,691	2.85
	Structures & Improvements	48,035,404	LIFESPAN	42.42	-3.10%	(1,489,098)	21,689,273	27,835,229	19.61	1,419,441	2.95
312.00		186,514,683	LIFESPAN	39.05	-2.84%	(5,297,017)	78,417,768	113,393,932	19.33	5,866,215	3.15
	Turbogenerator Units	41,469,519	LIFESPAN	41.40	-2.82%	(1,169,440)	18,689,534	23,949,425	18.69	1,281,403	3.09
	Accessory Electric Equipment	19,255,909	LIFESPAN	43.81	-2.46%	(473,695)	8,912,199	10,817,405	19.77	547,163	2.84
316.00	Misc. Power Plant Equipment	1,030,854	LIFESPAN	39.93	-2.26%	(23,297)	455,260	598,891	18.16	32,979	3.20
	Total Wyodak Plant	296,471,166		40.24	-2.85%	(8,452,548)	128,235,017	176,688,697	19.31	9,151,890	3.09
040.00	NAUGHTON PLANT	45.040		50 50	0.000/		40.444	4 570	00.00	000	4 50
	Land Rights	15,016	LIFESPAN	59.50	0.00%	-	10,444	4,572	20.00	229	1.52
	Structures & Improvements	55,094,727	LIFESPAN	38.13	-6.51%	(3,586,667)	27,627,753	31,053,641	19.61	1,583,561	2.87
312.00		198,232,600	LIFESPAN	37.92	-6.25%	(12,389,538)	99,602,585	111,019,553	19.33	5,743,381	2.90
	Turbogenerator Units	37,019,138	LIFESPAN	42.78	-6.24%	(2,309,994)	21,130,387	18,198,745	18.69	973,716	2.63
	Accessory Electric Equipment	16,004,507	LIFESPAN	45.12	-5.88%	(941,065)	9,348,948	7,596,624	19.77	384,250	2.40
316.00	Misc. Power Plant Equipment	2,113,578	LIFESPAN	41.55	-5.67%	(119,840)	1,187,667	1,045,751	18.16	57,585	2.72
	Total Naughton Plant	308,479,566		38.94	-6.27%	(19,347,103)	158,907,784	168,918,885	19.32	8,742,722	2.83
	COLSTRIP PLANT										
311.00	Structures & Improvements	55.644.346	LIFESPAN	44.00	-2.94%	(1,635,944)	24.554.153	32.726.137	26.29	1,244,813	2.24
312.00		107,521,482	LIFESPAN	44.00	-2.54%	(2,774,054)	46,455,045	63,840,491	20.29 25.78	2,476,357	2.24
	Turbogenerator Units	28,853,647	LIFESPAN	39.63	-2.55%	(735,768)	11,476,518	18,112,897	23.78	735,698	2.55
	Accessory Electric Equipment	8,902,395	LIFESPAN	44.24	-2.06%	(183,389)	3,922,954	5,162,830	26.57	194,311	2.33
	Misc. Power Plant Equipment	2,219,044	LIFESPAN	38.62	-2.00%	(185,589) (39,277)	879,956	1,378,365	23.68	58,208	2.10
310.00	Total Colstrip Plant	203,140,914	LIFESFAN	42.75	-1.77%	(5,368,432)	87,288,626	121,220,720	25.08	4,709,387	2.02
	Total Coistip Flant	203,140,914		42.75	-2.04 //	(5,506,452)	07,200,020	121,220,720	23.11	4,709,307	2.32
	CRAIG PLANT										
311.00	Structures & Improvements	35,126,693	LIFESPAN	43.94	-3.69%	(1,296,175)	16,964,511	19,458,357	21.53	903,779	2.57
	Boiler Plant Equipment	79,035,240	LIFESPAN	42.54	-3.40%	(2,687,198)	37,243,830	44,478,608	21.19	2,099,038	2.66
	Turbogenerator Units	18,460,638	LIFESPAN	41.58	-3.38%	(623,970)	8,661,431	10,423,177	20.41	510,690	2.77
	Accessory Electric Equipment	16,384,380	LIFESPAN	44.53	-2.98%	(488,255)	7,983,007	8,889,628	21.72	409,283	2.50
	Misc. Power Plant Equipment	1,645,432	LIFESPAN	41.49	-2.75%	(45,249)	782,215	908,466	19.77	45,952	2.79
	Total Craig Plant	150,652,383		42.95	-3.41%	(5,140,847)	71,634,994	84,158,236	21.22	3,968,741	2.63
		,,,,,				(-,,	,			-,,	

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET SA	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	GADSBY PLANT										
311.00	Structures & Improvements	13,415,332	LIFESPAN	31.32	-8.78%	(1,177,866)	10,190,210	4,402,988	4.98	884,134	6.59
312.00	Boiler Plant Equipment	35,417,219	LIFESPAN	29.98	-8.75%	(3,099,007)	26,657,839	11,858,387	4.97	2,385,993	6.74
	Turbogenerator Units	12,700,017	LIFESPAN	36.99	-8.75%	(1,111,251)	9,953,169	3,858,099	4.94	780,992	6.15
315.00	Accessory Electric Equipment	5,474,255	LIFESPAN	34.15	-8.70%	(476,260)	4,228,857	1,721,658	4.99	345,022	6.30
316.00	Misc. Power Plant Equipment	671,970	LIFESPAN	22.45	-8.68%	(58,327)	469,653	260,644	4.92	52,976	7.88
	Total Gadsby Plant	67,678,793		31.82	-8.75%	(5,922,711)	51,499,728	22,101,776	4.97	4,449,117	6.57
	CARBON PLANT										
311.00	Structures & Improvements	10.521.354	LIFESPAN	35.38	-6.00%	(631,281)	7,482,165	3.670.470	7.95	461.694	4.39
312.00	1	45,198,314	LIFESPAN	26.91	-5.93%	(2,680,260)	29,093,824	18,784,750	7.90	2,377,816	5.26
	Turbogenerator Units	15,919,808	LIFESPAN	32.77	-5.92%	(942,453)	11,062,251	5,800,010	7.81	742,639	4.66
	Accessory Electric Equipment	3,755,829	LIFESPAN	39.58	-5.81%	(218,214)	2,757,177	1,216,866	7.97	152,681	4.07
	Misc. Power Plant Equipment	669,257	LIFESPAN	28.31	-5.75%	(38,482)	441,195	266,544	7.73	34,482	5.15
	Total Carbon Plant	76,064,562		29.95	-5.93%	(4,510,690)	50,836,612	29,738,640	7.89	3,769,312	4.96
	BLUNDELL PLANT										
311.00	Structures & Improvements	6,155,952	LIFESPAN	36.54	-2.25%	(138,509)	2,330,265	3,964,196	18.65	212,557	3.45
	Boiler Plant Equipment	11,993,902	LIFESPAN	35.53	-2.01%	(241,077)	4,437,478	7,797,501	18.40	423,777	3.53
	Turbogenerator Units	15,196,274	LIFESPAN	32.07	-1.99%	(302,406)	5,078,196	10,420,484	17.81	585,092	3.85
	Accessory Electric Equipment	4,671,953	LIFESPAN	36.92	-1.65%	(77,087)	1,780,809	2,968,231	18.79	157,969	3.38
	Misc. Power Plant Equipment	1,372,360	LIFESPAN	35.02	-1.46%	(20,036)	516,446	875,950	17.33	50,545	3.68
	Total Blundell Plant	39,390,441		34.50	-1.98%	(779,116)	14,143,194	26,026,363	18.22	1,429,940	3.63
	JAMES RIVER PLANT										
311.00	Structures & Improvements	5,733,734	LIFESPAN	20.31	-2.51%	(143,917)	1,299,621	4,578,030	13.81	331,501	5.78
312.00	1	5,798,092	LIFESPAN	20.18	-2.34%	(135,675)	1,314,209	4,619,558	13.68	337,687	5.82
314.00		18,601,252	LIFESPAN	19.86	-2.34%	(435,269)	4,216,202	14,820,319	13.36	1,109,305	5.96
	Accessory Electric Equipment	4,283,093	LIFESPAN	20.39	-2.10%	(89,945)	970,816	3,402,222	13.89	244,940	5.72
	Total James River Plant	34,416,171		20.05	-2.34%	(804,806)	7,800,848	27,420,129	13.55	2,023,434	5.88
	HAYDEN PLANT										
311.00	Structures & Improvements	5.082.165	LIFESPAN	49.07	-3.96%	(201,254)	2,660,991	2.622.428	21.53	121.803	2.40
312.00	•	49,369,788	LIFESPAN	32.84	-3.67%	(1,811,871)	16,023,027	35,158,632	21.19	1,659,209	3.36
314.00		6,337,458	LIFESPAN	41.88	-3.65%	(231,317)	2,944,006	3,624,769	20.41	177,598	2.80
	Accessory Electric Equipment	2,480,826	LIFESPAN	48.71	-3.25%	(80,627)	1,287,152	1,274,301	21.72	58,669	2.36
	Misc. Power Plant Equipment	1,107,141	LIFESPAN	38.51	-3.03%	(33,546)	478,632	662,055	19.77	33,488	3.02
0.000	Total Hayden Plant	64,377,378		35.72	-3.66%	(2,358,615)	23,393,808	43,342,185	21.14	2,050,767	3.19
	Total Depreciable Steam Production Plant	4,101,068,445		38.94	-4.47%	(183,395,356)	1,930,908,812	2,353,554,989	19.17	127,593,784	3.13
	Water Rights	36,354,954		00.04		(,	14,929,519	_,000,001,000		,,000,104	- 0.11
	Total Steam Production Plant	4,137,423,399					1,945,838,331				
		1,101,120,000				-	.,010,000,001				

Remaining Life Depreciation Rates

OREGON STIPULATION

	Remaining Life Depreciation Rates			UKEGUN	SHFULAHU	N					
[1] Account Number	[2] Description	[3] 3/31/2002 Balance	[4] IOWA CURVE	[5] Average Life	[6] NET SA Percent	[7] ALVAGE Amount	[8] 3/31/2002 Book Reserve	[9] Net Plant	[10] Rem. Life	[11] Annual Amount	[12] Deprec. Rate
Number	Description	Balance	CORVE	Yrs	%	\$	\$	\$	Yrs	\$	%
		¢		115	70	φ	φ	φ	115	φ	70
	HYDRAULIC PRODUCTION PLANT										
	SWIFT (218)										
330.20	Land Rights	6,277,413	LIFESPAN	77.73	0.00%	-	3,198,364	3,079,049	33.50	91,912	1.46
330.50	Fish/Wildlife	97,228	LIFESPAN	76.00	0.00%	-	48,670	48,558	33.50	1,449	1.49
331.00	Structures & Improvements	3,013,251	LIFESPAN	71.09	-1.80%	(54,239)	1,439,670	1,627,820	32.68	49,811	1.65
331.20	Fish/Wildlife	1,776,548	LIFESPAN	52.43	-1.80%	(31,978)	586,563	1,221,963	32.68	37,392	2.10
331.30	Recreation	912,647	LIFESPAN	46.45	-1.80%	(16,428)	236,118	692,957	32.68	21,204	2.32
332.00	Reservoirs, Dams & Waterways	37,295,383	LIFESPAN	76.24	-4.50%	(1,678,292)	18,874,909	20,098,766	32.68	615,017	1.65
	Recreation	110,283	LIFESPAN	44.18	-4.50%	(4,963)	25,005	90,241	32.68	2,761	2.50
333.00	Waterwheels, Turbines & Generators	10,256,026	LIFESPAN	65.32	-0.60%	(61,536)	4,541,017	5,776,545	32.41	178,233	1.74
334.00	Accessory Electric Equipment	1,163,631	LIFESPAN	60.22	-1.00%	(11,636)	478,324	696,943	31.62	22,041	1.89
334.70		331,403	LIFESPAN	48.23	-1.00%	(3,314)	97,677	237,040	31.62	7,497	2.26
335.00	Misc. Power Plant Equipment	572,972	LIFESPAN	69.87	0.00%	-	275,795	297,177	30.85	9,633	1.68
335.70		9,090	LIFESPAN	56.35	0.00%	-	3,504	5,586	30.85	181	1.99
336.00	Roads, Railroads & Bridges	395,145	LIFESPAN	48.22	-0.20%	(790)	109,951	285,984	32.95	8,679	2.20
	Total Swift	62,211,020	-	72.48	-2.99%	(1,863,176)	29,915,567	34,158,629	32.68	1,045,812	1.68
		· · · ·	-			<u>, , , , , , , , , , , , , , , , , </u>	· · ·	· ·	-		
	<u>YALE (219)</u>										
330.20	Land Rights	760,116	LIFESPAN	81.79	0.00%	-	399,778	360,338	33.50	10,756	1.42
331.00	Structures & Improvements	3,489,151	LIFESPAN	68.33	-1.80%	(62,805)	1,598,863	1,953,093	32.68	59,764	1.71
331.20	Fish/Wildlife	14,129	LIFESPAN	46.18	-1.80%	(254)	3,583	10,800	32.68	330	2.34
331.30	Recreation	2,427,007	LIFESPAN	45.94	-1.80%	(43,686)	607,589	1,863,104	32.68	57,011	2.35
332.00	Reservoirs, Dams & Waterways	26,037,721	LIFESPAN	81.35	-4.50%	(1,171,697)	13,739,071	13,470,347	32.68	412,189	1.58
332.20	Fish/Wildlife	24,186	LIFESPAN	41.18	-4.50%	(1,088)	4,311	20,963	32.68	641	2.65
333.00	Waterwheels, Turbines & Generators	10,379,732	LIFESPAN	56.67	-0.60%	(62,278)	3,864,158	6,577,852	32.41	202,957	1.96
334.00	Accessory Electric Equipment	2,783,491	LIFESPAN	48.24	-1.00%	(27,835)	815,999	1,995,327	31.62	63,103	2.27
334.70	Supervisory Equipment	110,528	LIFESPAN	47.12	-1.00%	(1,105)	30,895	80,738	31.62	2,553	2.31
335.00	Misc. Power Plant Equipment	517,052	LIFESPAN	78.00	0.00%	-	269,228	247,824	30.85	8,033	1.55
336.00	Roads, Railroads & Bridges	1,107,253	LIFESPAN	44.10	-0.20%	(2,215)	243,860	865,608	32.95	26,270	2.37
	Total Yale	47,650,366	-	70.28	-2.88%	(1,372,964)	21,577,335	27,445,995	32.56	843,610	1.77
			-						_		
	<u>MERWIN (215)</u>										
	Land Rights	300,510	LIFESPAN	101.17	0.00%	-	184,565	115,945	33.50	3,461	1.15
330.50	Fish/Wildlife	212,280	LIFESPAN	103.00	0.00%	-	131,546	80,734	33.50	2,410	1.14
331.00	Structures & Improvements	5,646,505	LIFESPAN	57.31	-1.80%	(101,637)	2,180,991	3,567,151	32.68	109,154	1.93
331.20	Fish/Wildlife	13,654,248	LIFESPAN	42.84	-1.80%	(245,776)	2,880,451	11,019,573	32.68	337,196	2.47
331.30	Recreation	1,597,186	LIFESPAN	46.14	-1.80%	(28,749)	415,661	1,210,274	32.68	37,034	2.32
332.00	Reservoirs, Dams & Waterways	8,598,214	LIFESPAN	82.07	-4.50%	(386,920)	4,694,126	4,291,008	32.68	131,304	1.53
332.20	Fish/Wildlife	763,312		43.30	-4.50%	(34,349)	166,600	631,061	32.68	19,310	2.53
332.30	Recreation	29,608	LIFESPAN	43.18	-4.50%	(1,332)	6,406	24,534	32.68	751	2.54
333.00	Waterwheels, Turbines & Generators	6,335,687	LIFESPAN	69.82	-0.60%	(38,014)	3,056,397	3,317,304	32.41	102,354	1.62
334.00	Accessory Electric Equipment	5,118,210	LIFESPAN	39.26	-1.00%	(51,182)	860,468	4,308,924	31.62	136,272	2.66
334.70	Supervisory Equipment	250,955	LIFESPAN	41.87	-1.00%	(2,510)	53,302	200,163	31.62	6,330	2.52
335.00	Misc. Power Plant Equipment	678,592	LIFESPAN	38.95	0.00%	-	119,647	558,945	30.85	18,118	2.67
335.70	Supervisory Equipment	49,763	LIFESPAN	100.35	0.00%	-	30,837	18,926	30.85	613	1.23
336.00	Roads, Railroads & Bridges	384,270	LIFESPAN	66.55	-0.20%	(769)	175,811	209,228	32.95	6,350	1.65
	Total Merwin	43,619,340	-	56.98	-2.04%	(891,238)	14,956,808	29,553,770	32.49	910,658	2.09
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Remaining Life Depreciation Rates

OREGON STIPULATION

	Remaining the Depreciation Rates			UNLOUN	SHFULAHU						
[1] Account Number	[2] Description	[3] 3/31/2002 Balance	[4] IOWA CURVE	[5] Average Life	[6] NET SA Percent	[7] ALVAGE Amount	[8] 3/31/2002 Book Reserve	[9] Net Plant	[10] Rem. Life	[11] Annual Amount	[12] Deprec. Rate
Number	Description	Balance\$	CORVE	Yrs	%	\$	\$	\$	Yrs	\$	%
		Φ		115	/0	Φ	Φ	φ	115	Φ	/0
	MERWIN (NON) (2151)										
331.30	Recreation	5,006,402	LIFESPAN	43.18	-1.80%	(90,115)	1,078,299	4,018,218	32.68	122,956	2.46
332.30	Recreation	72,646	LIFESPAN	42.59	-4.50%	(3,269)	14,964	60,951	32.68	1,865	2.57
336.00	Roads, Railroads & Bridges	1,345,670	LIFESPAN	43.45	-0.20%	(2,691)	289,836	1,058,525	32.95	32,125	2.39
	Total Merwin (Non)	6,424,718	-	43.23	-1.50%	(96,076)	1,383,099	5,137,695	32.74	156,947	2.44
	J.C. BOYLE (18)										
221.00	Structures & Improvements	2,109,769	LIFESPAN	56.36	-1.80%	(37,976)	735,590	1,412,155	32.68	43,212	2.05
	Recreation	2,109,709	LIFESPAN	46.29	-1.80%	(1,002)	13,486	43,167	32.68	1,321	2.05
	Reservoirs, Dams & Waterways	9,550,682	LIFESPAN	74.17	-5.30%	(506,186)	4,220,434	5,836,434	37.41	156,013	1.63
	Fish/Wildlife	867.706	LIFESPAN	48.90	-4.50%	(39,047)	237,704	669,049	32.68	20.473	2.36
	Waterwheels, Turbines & Generators	4,017,595	LIFESPAN	62.80	-4.50%	(24,106)	1,611,804	2,429,897	32.00	74,974	1.87
	Accessory Electric Equipment	2,537,201	LIFESPAN	43.35	-1.00%	(25,372)	551,470	2,011,103	31.62	63,602	
	Supervisory Equipment	119,724	LIFESPAN	44.12	-1.00%	(1,197)	27,276	93,645	31.62	2,962	
	Misc. Power Plant Equipment	144,595	LIFESPAN	75.35	0.00%	(1,107)	69,772	74,823	30.85	2,302	1.68
	Roads, Railroads & Bridges	604,730	LIFESPAN	63.01	-0.20%	(1,209)	241,202	364,737	32.95	11,069	
000.00	Total J.C. Boyle	20,007,653		64.42	-3.18%	(636,095)	7,708,738	12,935,010	34.74	376,050	-
		-,	-			()	, ,	,,-		,	-
	LEMOLO #2 (41)										
331.00	Structures & Improvements	682,578	LIFESPAN	77.26	-2.00%	(13,652)	301,068	395,162	36.47	10,835	1.59
331.20	Fish/Wildlife	3,408	LIFESPAN	61.01	-2.00%	(68)	1,137	2,339	36.47	64	1.88
331.30	Recreation	2,462	LIFESPAN	67.97	-2.10%	(52)	950	1,564	36.47	43	1.74
332.00	Reservoirs, Dams & Waterways	14,399,083	LIFESPAN	70.79	-5.10%	(734,353)	5,818,464	9,314,972	36.47	255,415	1.77
	Fish/Wildlife	121,185	LIFESPAN	82.68	-5.10%	(6,180)	56,680	70,685	36.47	1,938	1.60
	Waterwheels, Turbines & Generators	1,639,482	LIFESPAN	76.40	-0.70%	(11,476)	718,628	932,330	36.13	25,805	1.57
	Accessory Electric Equipment	247,347	LIFESPAN	59.72	-1.20%	(2,968)	82,616	167,699	35.15	4,771	1.93
	Supervisory Equipment	43,285	LIFESPAN	49.65	-1.20%	(519)	10,153	33,651	35.15	957	2.21
	Misc. Power Plant Equipment	7,830	LIFESPAN	68.73	0.00%	-	3,174	4,656	34.20	136	
336.00	Roads, Railroads & Bridges	993,032	LIFESPAN	70.83	-0.20%	(1,986)	399,408	595,610	36.81	16,181	1.63
	Total Lemolo #2	18,139,692	-	71.42	-4.25%	(771,255)	7,392,278	11,518,669	36.44	316,145	1.74
	IRON GATE (610)										
330.20	Land Rights	4,601	LIFESPAN	74.00	0.00%		1,985	2,616	33.50	78	1.70
	Structures & Improvements	1,416,205	LIFESPAN	66.61	-1.80%	(25,492)	561,068	880,629	32.68	26,947	1.90
	Fish/Wildlife	1,879,492	LIFESPAN	53.50	-1.80%	(33,831)	565,186	1,348,137	32.68	41,253	2.19
	Recreation	379,756	LIFESPAN	55.74	-1.80%	(6,836)	121,561	265,031	32.68	8,110	2.13
	Reservoirs, Dams & Waterways	7,574,350	LIFESPAN	69.13	-4.50%	(340,846)	3,109,158	4,806,038	32.68	147,064	1.94
	Fish/Wildlife	789,129	LIFESPAN	69.82	-4.50%	(35,511)	326,879	497,761	32.68	15,231	1.93
	Waterwheels, Turbines & Generators	1,104,340	LIFESPAN	72.90	-0.60%	(6,626)	476,430	634,536	32.41	19,578	1.33
	Accessory Electric Equipment	184,580	LIFESPAN	66.04	-1.00%	(1,846)	73,655	112,771	31.62	3,566	1.93
	Supervisory Equipment	53,011	LIFESPAN	44.05	-1.00%	(1,040)	11,219	42,322	31.62	1,338	2.52
	Misc. Power Plant Equipment	15,459	LIFESPAN	71.09	0.00%	(000)	6,650	8,809	30.85	286	
335.70		5,268	LIFESPAN	52.53	0.00%	-	1,417	3,851	35.03	110	
	Roads, Railroads & Bridges	638,679	LIFESPAN	69.48	-0.20%	(1,277)	262,448	377,508	32.95	11,457	1.79
000.00	Total Iron Gate	14,044,870		66.64	-3.22%	(452,794)	5,517,656	8,980,008	32.65	275,018	_
		1,077,070	-	00.04	0.22/0	(102,104)	0,017,000	0,000,000	02.00	210,010	_ 1.00

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	POWERDALE (27)										
330.20	Land Rights	398	LIFESPAN	50.06	0.00%	-	186	212	15.50	14	3.44
331.00	Structures & Improvements	656,469	LIFESPAN	42.71	-0.80%	(5,252)	283,153	378,568	15.33	24,695	3.76
331.20	Fish/Wildlife	20,968	LIFESPAN	15.83	-0.80%	(168)	426	20,710	15.33	1,351	6.44
331.30	Recreation	54,678	LIFESPAN	33.49	-0.80%	(437)	19,803	35,312	15.33	2,303	4.21
332.00	Reservoirs, Dams & Waterways	10,276,645	LIFESPAN	37.16	-1.90%	(195,256)	4,045,815	6,426,086	15.33	419,184	4.08
332.20	Fish/Wildlife	681,053	LIFESPAN	23.28	-1.90%	(12,940)	153,077	540,916	15.33	35,285	5.18
333.00	Waterwheels, Turbines & Generators	1,516,245	LIFESPAN	26.55	-0.30%	(4,549)	425,585	1,095,209	15.27	71,723	4.73
334.00	Accessory Electric Equipment	292,709	LIFESPAN	37.89	-0.40%	(1,171)	117,365	176,515	15.10	11,690	3.99
334.70	Supervisory Equipment	4,215	LIFESPAN	33.60	-0.40%	(17)	1,540	2,692	15.10	178	4.23
335.00	Misc. Power Plant Equipment	16,288	LIFESPAN	15.43	0.00%	-	331	15,957	14.93	1,069	6.56
336.00	Roads, Railroads & Bridges	44,133	LIFESPAN	31.05	-0.10%	(44)	14,860	29,317	15.38	1,906	4.32
	Total Powerdale	13,563,801		35.47	-1.62%	(219,834)	5,062,141	8,721,494	15.32	569,397	4.20
	<u>GRACE (457)</u>										
331.00	Structures & Improvements	1,144,099	LIFESPAN	81.64	-1.50%	(17,161)	674,626	486.634	27.42	17,747	1.55
	Reservoirs, Dams & Waterways	7,523,470	LIFESPAN	71.68	-3.80%	(285,892)	4,110,343	3,699,019	27.42	134,902	1.79
	Waterwheels, Turbines & Generators	2,210,717	LIFESPAN	59.64	-0.50%	(11,054)	1,046,215	1,175,556	27.71	42,424	1.92
	Accessory Electric Equipment	871,659	LIFESPAN	57.00	-0.90%	(7,845)	399,286	480,218	27.13	17,701	2.03
	Supervisory Equipment	4,229	LIFESPAN	27.13	-0.90%	(38)	1,011	3,256	27.13	120	2.84
	Misc. Power Plant Equipment	93,427	LIFESPAN	45.52	0.00%	-	33,270	60,157	26.57	2,264	2.42
	Roads, Railroads & Bridges	,	LIFESPAN	60.70	-0.10%	(43)	20,763	22,414	27.61	812	1.88
	Total Grace	11,890,735		69.06	-2.71%	(322,033)	6,285,514	5,927,254	27.45	215,970	1.82
									_		-
221.00	CLEARWATER #2 (43) Structures & Improvements	748,019	LIFESPAN	79.39	-2.00%	(14,960)	340,831	422,148	36.47	11,575	1.55
	Recreation	6.925	LIFESPAN	67.97	-2.00%	(14,900) (139)	2,694	422,148	36.47	120	1.55
332.00		8,925,781	LIFESPAN	68.56	-2.00%	(455,215)	3,507,281	5,873,715	36.47	161,056	1.73
	Fish/Wildlife	5,060	LIFESPAN	63.03	-5.10%	(455,215) (258)	1,786	3,532	36.47	97	1.80
	Waterwheels, Turbines & Generators	925,235	LIFESPAN	84.14	-0.70%	(6,477)	443,829	487,883	36.13	13.504	1.91
	Accessory Electric Equipment	925,235 197,735	LIFESPAN	72.27	-0.70%	(2,373)	83,898	116,210	35.15	3,306	1.40
	Supervisory Equipment	24,575	LIFESPAN	49.65	-1.20%	(2,373)	5,811	19,059	35.15	542	2.21
	Misc. Power Plant Equipment	4,720	LIFESPAN	49.05 62.34	0.00%	(295)	1,723	2,997	34.20	88	1.86
	Roads, Railroads & Bridges	219,901	LIFESPAN	68.39	-0.20%	(440)	85,653	134,688	36.81	3,659	1.66
550.00	Total Clearwater #2	11,057,951		70.61	-4.34%	(480,156)	4,473,506	7,064,601	36.42	193,946	1.00
						(100,100)	.,,	.,		,	<u>.</u>
	LEMOLO #1 (40)										
	Structures & Improvements	709,257	LIFESPAN	78.98	-2.00%	(14,185)	356,515	366,927	36.47	10,061	1.42
	Reservoirs, Dams & Waterways	7,513,335	LIFESPAN	81.03	-5.10%	(383,180)	3,861,933	4,034,582	36.47	110,627	1.47
332.20		2,277	LIFESPAN	83.97	-5.10%	(116)	1,205	1,188	36.47	33	1.43
	Waterwheels, Turbines & Generators	1,893,865	LIFESPAN	70.97	-0.70%	(13,257)	861,995	1,045,127	36.13	28,927	1.53
	Accessory Electric Equipment	1,486,641	LIFESPAN	45.16	-1.20%	(17,840)	293,919	1,210,562	35.15	34,440	2.32
	Supervisory Equipment	6,442	LIFESPAN	55.63	-1.20%	(77)	2,144	4,375	35.14	125	1.93
	Misc. Power Plant Equipment	,	LIFESPAN	49.65	0.00%	-	9,121	24,121	34.20	705	2.12
336.00	Roads, Railroads & Bridges	407,171	LIFESPAN	80.88	-0.20%	(814)	208,217	199,768	36.81	5,427	1.33
	Total Lemolo #1	12,052,230		74.80	-3.56%	(429,470)	5,595,049	6,886,651	36.26	190,345	1.58

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET SA	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>CUTLER (444)</u>										
	Land Rights	2	LIFESPAN	31.00	0.00%	-	2	-	21.50	-	0.00
	Water Rights	4,818	LIFESPAN	96.74	0.00%	-	2,300	2,518	21.50	117	2.43
	Flood Rights	89,590	LIFESPAN	74.10	0.00%	-	38,910	50,680	21.50	2,357	2.63
331.00	•	1,807,217	LIFESPAN	53.44	-1.10%	(19,879)	660,348	1,166,748	21.16	55,139	3.05
332.00		6,939,408	LIFESPAN	51.16	-2.80%	(194,303)	2,458,868	4,674,843	21.16	220,928	3.18
332.30		275,809	LIFESPAN	27.95	-2.80%	(7,723)	39,647	243,885	21.16	11,526	4.18
	Waterwheels, Turbines & Generators	1,109,689	LIFESPAN	77.53	-0.40%	(4,439)	492,074	622,054	21.05	29,551	2.66
	Accessory Electric Equipment	490,354	LIFESPAN	56.37	-0.60%	(2,942)	186,411	306,885	20.72	14,811	3.02
335.00		68,920	LIFESPAN	37.44	0.00%	-	18,417	50,503	20.40	2,476	3.59
336.00	Roads, Railroads & Bridges	573,738	LIFESPAN	39.99	-0.10%	(574)	161,571	412,741	21.27	19,405	
	Total Cutler	11,359,545		53.31	-2.02%	(229,860)	4,058,548	7,530,857	21.13	356,311	3.14
	<u>TOKETEE (44)</u>										
331.00	Structures & Improvements	1,424,604	LIFESPAN	62.15	-2.00%	(28,492)	612,222	840,874	36.47	23,057	1.62
331.30	Recreation	4,624	LIFESPAN	67.97	-2.00%	(92)	2,235	2,481	36.47	68	1.47
332.00	Reservoirs, Dams & Waterways	6,271,942	LIFESPAN	81.83	-5.10%	(319,869)	3,643,677	2,948,134	36.47	80,837	1.29
333.00	Waterwheels, Turbines & Generators	2,090,740	LIFESPAN	71.95	-0.70%	(14,635)	1,082,280	1,023,095	36.13	28,317	1.35
334.00	Accessory Electric Equipment	407,067	LIFESPAN	70.30	-1.20%	(4,885)	205,354	206,598	35.15	5,878	1.44
334.70		26,027	LIFESPAN	62.40	-1.20%	(312)	11,585	14,754	35.15	420	1.61
335.00	Misc. Power Plant Equipment	50,114	LIFESPAN	69.72	0.00%	-	25,829	24,285	34.20	710	1.42
336.00	Roads, Railroads & Bridges	111,245	LIFESPAN	63.46	-0.20%	(222)	48,875	62,592	36.81	1,700	1.53
	Total Toketee	10,386,363		76.38	-3.55%	(368,508)	5,632,057	5,122,814	36.34	140,987	1.36
	PROSPECT #2 (32)										
330.20	Land Rights	3,712	LIFESPAN	63.45	0.00%	-	1,711	2,001	32.50	62	1.66
330.40	Flood Rights	3,167	LIFESPAN	98.00	0.00%	-	2,011	1,156	32.50	36	1.12
331.00	Structures & Improvements	2,014,465	LIFESPAN	53.56	-1.80%	(36,260)	763,022	1,287,703	31.72	40,596	2.02
331.20	Fish/Wildlife	3,994	LIFESPAN	38.22	-1.80%	(72)	623	3,443	31.72	109	2.72
331.30	Recreation	2,586	LIFESPAN	56.19	-1.80%	(47)	1,048	1,585	31.72	50	1.93
332.00	Reservoirs, Dams & Waterways	4,792,813	LIFESPAN	74.78	-4.40%	(210,884)	2,587,178	2,416,519	31.72	76,183	1.59
332.20	Fish/Wildlife	136,009	LIFESPAN	51.49	-4.40%	(5,984)	48,446	93,547	31.72	2,949	2.17
333.00	Waterwheels, Turbines & Generators	1,277,973	LIFESPAN	57.79	-0.60%	(7,668)	560,595	725,046	29.59	24,503	1.92
334.00	Accessory Electric Equipment	1,253,070	LIFESPAN	42.44	-1.00%	(12,531)	311,502	954,099	30.73	31,048	2.48
334.70	Supervisory Equipment	80,176	LIFESPAN	30.73	-1.00%	(802)	20,910	60,068	30.73	1,955	2.44
335.00	Misc. Power Plant Equipment	19,027	LIFESPAN	30.50	0.00%	-	269	18,758	30.00	625	3.29
336.00	Roads, Railroads & Bridges	191,385	LIFESPAN	57.26	-0.10%	(191)	78,999	112,577	31.98	3,520	1.84
	Total Prospect #2	9,778,377		62.91	-2.81%	(274,439)	4,376,314	5,676,502	31.31	181,635	1.86
	PROSPECT #3 (NON) (331)										
331.20	Fish/Wildlife	10,517	LIFESPAN	31.80	-0.80%	(84)	3,475	7,126	16.30	437	4.16

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>PIONEER (449)</u>										
330.20	Land Rights	9,247	LIFESPAN	132.92	0.00%	-	6,366	2,881	27.50	105	1.13
330.30	Water Rights	110,806	LIFESPAN	133.00	0.00%	-	76,299	34,507	27.50	1,255	1.13
331.00	Structures & Improvements	328,790	LIFESPAN	60.00	-1.50%	(4,932)	154,430	179,292	26.94	6,655	2.02
331.20	Fish/Wildlife	10,074	LIFESPAN	27.44	-1.50%	(151)	152	10,073	26.94	374	3.71
332.00	Reservoirs, Dams & Waterways	7,764,307	LIFESPAN	44.02	-3.70%	(287,279)	2,544,636	5,506,950	26.94	204,415	2.63
333.00	Waterwheels, Turbines & Generators	955,146	LIFESPAN	37.15	-0.50%	(4,776)	223,181	736,741	26.76	27,531	2.88
334.00	Accessory Electric Equipment	421,745	LIFESPAN	43.88	-0.80%	(3,374)	141,069	284,050	26.23	10,829	2.57
	Misc. Power Plant Equipment	9,602	LIFESPAN	47.35	0.00%	-	3,178	6,424	30.00	214	2.23
	Roads, Railroads & Bridges	11,922	LIFESPAN	56.48	-0.10%	(12)	4,820	7,114	31.98	222	1.87
	Total Pioneer	9,621,639		44.99	-3.12%	(300,524)	3,154,131	6,768,032	26.91	251,601	2.61
	LIFTON (458)										
330.20	Land Rights	19.856	LIFESPAN	115.70	0.00%	-	10,486	9.370	45.50	206	1.04
	Water Rights	24,130	LIFESPAN	109.25	0.00%	-	12,249	11,881	45.50	261	1.08
	Structures & Improvements	1,149,803	LIFESPAN	88.10	-2.50%	(28,745)	491,404	687,144	43.99	15,620	1.36
	Recreation	3,787	LIFESPAN	50.49	-2.50%	(95)	408	3,474	43.99	79	2.09
	Reservoirs, Dams & Waterways	6,671,793	LIFESPAN	73.35	-6.30%	(420,323)	2,266,942	4,825,174	43.99	109,688	1.64
	Fish/Wildlife	410,760	LIFESPAN	51.49	-6.30%	(25,878)	50,085	386,553	43.99	8,787	2.14
	Waterwheels, Turbines & Generators	390,702	LIFESPAN	101.23	-0.80%	(3,126)	189,995	203,833	43.49	4,687	1.20
	Accessory Electric Equipment	257,188	LIFESPAN	64.82	-1.40%	(3,601)	74,177	186,612	42.07	4,436	1.72
	Misc. Power Plant Equipment	55,517	LIFESPAN	54.93	0.00%	(0,001)	11,420	44,097	40.70	1,083	1.95
	Roads, Railroads & Bridges	19,250	LIFESPAN	113.82	-0.20%	(39)	10,116	9,173	44.48	206	1.07
000.00	Total Lifton	9,002,786		75.36	-5.35%	(481,805)	3,117,282	6,367,309	43.90	145,054	1.61
	<u>ONEIDA (459)</u>										
331.00	Structures & Improvements	1,151,869	LIFESPAN	69.77	-1.50%	(17,278)	506,906	662,241	27.90	23,736	2.06
	Recreation	32,183	LIFESPAN	34.90	-1.50%	(483)	4,630	28,036	27.90	1,005	3.12
	Reservoirs, Dams & Waterways	4,537,738	LIFESPAN	64.04	-3.80%	(172,434)	1,874,113	2,836,059	27.90	101,651	2.24
	Waterwheels, Turbines & Generators	2,144,850	LIFESPAN	59.07	-0.50%	(172,434)	829,045	1,326,529	27.50	47,872	2.24
	Accessory Electric Equipment	696,376	LIFESPAN	53.92	-0.90%	(6,267)	248,612	454,031	27.13	16,735	2.23
	Misc. Power Plant Equipment	6,205	LIFESPAN	49.59	-0.90%	(0,207)	2,040	4,165	26.57	157	2.40
	Roads, Railroads & Bridges	,	LIFESPAN	49.59 57.23	-0.10%	- (201)	142,037		28.10	8,521	2.33
330.00	Total Oneida	<u>381,105</u> 8,950,326	LIFESPAN	62.39	-0.10% -2.32%	(381) (207,568)	3,607,383	239,449 5,550,511	27.80	199,677	2.24
	ONEIDA (NON) (559)										
331.00	Structures & Improvements	4,042	LIFESPAN	106.53	-1.50%	(61)	2,910	1,193	27.90	43	1.06
334.00	Accessory Electric Equipment	151,465	LIFESPAN	55.63	-0.90%	(1,363)	73,680	79,148	27.13	2,917	1.93
	Total Oneida (Non)	155,507		56.95	-0.92%	(1,424)	76,590	80,341	27.15	2,960	1.90

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account Number	[2] Description	[3] 3/31/2002 Balance	[4] IOWA CURVE	[5] Average Life	[6] NET SA Percent	[7] ALVAGE Amount	[8] 3/31/2002 Book Reserve	[9] Net Plant	[10] Rem. Life	[11] Annual Amount	[12] Deprec. Rate
Number	Description	Balance	CORVE	Yrs	%	\$	\$	\$	Yrs	\$	<u></u> %
	ASHTON (455)						o 404	~~~~~	~ ~		
	Land Rights	28,700	LIFESPAN	41.00	0.00%	-	6,404	22,296	25.50	874	3.05
	Structures & Improvements	753,862	LIFESPAN	48.30	-1.40%	(10,554)	213,149	551,267	25.02	22,033	2.92
	Fish/Wildlife	353,572	LIFESPAN	32.52	-1.40%	(4,950)	47,154	311,368	25.02	12,445	3.52
	Reservoirs, Dams & Waterways	4,489,431	LIFESPAN	40.36	-3.40%	(152,641)	995,148	3,646,924	25.02	145,760	3.25
	Waterwheels, Turbines & Generators	1,951,703	LIFESPAN	40.59	-0.50%	(9,759)	439,350	1,522,112	24.87	61,203	3.14
	Accessory Electric Equipment	1,066,298	LIFESPAN	39.64	-0.80%	(8,530)	235,382	839,446	24.40	34,404	3.23
334.70	1 9 1 1	41,566	LIFESPAN	35.90	-0.80%	(333)	7,605	34,294	24.40	1,405	3.38
335.00		8,389	LIFESPAN	47.90	0.00%	-	2,408	5,981	23.95	250	2.98
336.00	Roads, Railroads & Bridges	744	LIFESPAN	110.68	-0.10%	(1)	343	402	25.18	16	2.14
	Total Ashton	8,694,265		40.69	-2.15%	(186,767)	1,946,943	6,934,089	24.91	278,390	3.20
	COPCO #1 (611)										
330.20	Land Rights	36,340	LIFESPAN	118.00	0.00%	-	22,976	13,364	33.50	399	1.10
	Flood Rights	1,030	LIFESPAN	111.00	0.00%	-	635	395	33.50	12	1.14
331.00	6	1,084,642	LIFESPAN	58.73	-1.80%	(19,524)	415,490	688,676	32.68	21,073	1.94
331.30	Recreation	82.063	LIFESPAN	56.25	-1.80%	(1,477)	29,658	53.882	32.68	1.649	2.01
	Reservoirs, Dams & Waterways	2,440,053	LIFESPAN	92.79	-4.50%	(109,802)	1,380,352	1,169,503	32.68	35,787	1.47
333.00	Waterwheels, Turbines & Generators	3,762,309	LIFESPAN	45.74	-0.60%	(22,574)	933,609	2,851,274	32.41	87,970	2.34
334.00	Accessory Electric Equipment	938,965	LIFESPAN	54.51	-1.00%	(9,390)	333,457	614,898	31.62	19,446	2.07
334.70	Supervisory Equipment	59,036	LIFESPAN	45.23	-1.00%	(590)	14,870	44,756	31.62	1,415	2.40
335.00	. ,	1,262	LIFESPAN	67.09	0.00%	-	576	686	30.85	22	1.76
336.00	Roads, Railroads & Bridges	105,442	LIFESPAN	44.40	-0.20%	(211)	23,395	82,258	32.95	2,496	2.37
	Total COPCO #1	8,511,142		62.25	-1.92%	(163,568)	3,155,018	5,519,692	32.44	170,270	2.00
	NORTH UMPQUA (48)										
221.00	Structures & Improvements	4,807,840	LIFESPAN	49.97	-2.00%	(96,157)	988,067	3,915,930	36.47	107,374	2.23
	Recreation	4,007,040	LIFESPAN	49.97 64.36	-2.00%	(532)	8,843	18,282	36.47	501	1.89
	Reservoirs, Dams & Waterways	20,595 92,318	LIFESPAN	49.42	-2.00% -5.10%	· · · ·	0,043 18,394	78,632	36.47 36.47	2,156	2.34
	Waterwheels, Turbines & Generators	38,015	LIFESPAN	49.42	-0.70%	(4,708) (266)	3,224	35.057	36.13	2,130	2.54
	Accessory Electric Equipment	,	LIFESPAN		-0.70%	. ,		,	35.15	3,134	2.55
334.00		142,241 424.612	LIFESPAN	51.65 41.97	-1.20%	(1,707) (5,095)	33,779 50,582	110,169 379,125	35.15	10.786	2.20
335.00		1,034,710	LIFESPAN	41.97 45.94	-1.20%	(5,095)	191,400	843,310	35.15 34.20	24,658	2.34
	Roads, Railroads & Bridges	, ,	LIFESPAN	45.94 67.81	-0.20%	- (4,175)	737,084	1,354,628	34.20 36.81	24,656 36,801	2.30
330.00	Total North Umpgua	2,087,537 8,653,866	LIFESFAN	53.42	-0.20 <i>%</i>	(112,640)	2,031,373	6,735,133	36.19	186,381	2.15
	Total North Ompqua	0,000,000		55.42	-1.30%	(112,040)	2,031,373	6,735,135	30.19	100,301	2.15
	<u>SODA (461)</u>										
	Land Rights	5,879	LIFESPAN	112.35	0.00%	-	3,237	2,642	28.50	93	1.58
331.00	•	572,786	LIFESPAN	78.39	-1.50%	(8,592)	269,071	312,307	27.90	11,194	1.95
332.00	Reservoirs, Dams & Waterways	4,987,430	LIFESPAN	64.25	-3.80%	(189,522)	2,048,946	3,128,006	27.90	112,115	2.25
333.00		1,596,572	LIFESPAN	58.08	-0.50%	(7,983)	602,739	1,001,816	27.71	36,154	2.26
334.00	Accessory Electric Equipment	459,353	LIFESPAN	63.66	-0.90%	(4,134)	189,130	274,357	27.13	10,113	2.20
335.00	Misc. Power Plant Equipment	16,299	LIFESPAN	46.84	0.00%	-	4,940	11,359	26.57	428	2.62
	Total Soda	7,638,319		63.99	-2.75%	(210,231)	3,118,063	4,730,487	27.81	170,095	2.23

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>SODA (NON) (561)</u>										
332.00	Reservoirs, Dams & Waterways	9,095	LIFESPAN	84.87	-3.80%	(346)	5,308	4,133	27.90	148	1.63
	<u>KENO (15)</u>										
330.20	Land Rights	14,002	LIFESPAN	87.23	0.00%	-	5,936	8,066	33.50	241	1.72
331.20	Fish/Wildlife	9,636	LIFESPAN	46.18	-1.80%	(173)	1,887	7,922	32.68	242	2.52
331.30	Recreation	212,739	LIFESPAN	55.88	-1.80%	(3,829)	59,546	157,022	32.68	4,805	2.26
332.00	Reservoirs, Dams & Waterways	6,766,760	LIFESPAN	66.06	-4.50%	(304,504)	2,316,422	4,754,842	32.68	145,497	2.15
332.20	Fish/Wildlife	236,202	LIFESPAN	69.18	-4.50%	(10,629)	84,530	162,301	32.68	4,966	2.10
334.70	Supervisory Equipment	13,493	LIFESPAN	42.12	-1.00%	(135)	2,192	11,436	31.62	362	2.68
336.00	Roads, Railroads & Bridges	110,990	LIFESPAN	67.87	-0.20%	(222)	38,866	72,346	32.95	2,196	1.98
	Total Keno	7,363,822		65.86	-4.34%	(319,493)	2,509,379	5,173,936	32.68	158,309	2.15
	FISH CREEK (45)										
331.00	Structures & Improvements	557,744	LIFESPAN	72.23	-2.00%	(11,155)	229,107	339,792	36.47	9,317	1.67
	Reservoirs, Dams & Waterways	5,684,131	LIFESPAN	65.56	-2.00%	(289,891)	2,086,822	3,887,200	36.47	106,586	1.88
	Fish /Wildlife	75,566	LIFESPAN	45.53	-5.30%	,	2,080,822	5,887,200 67,292	36.47	1.845	2.44
	Waterwheels, Turbines & Generators	75,566 547.891	LIFESPAN	45.53 79.70	-5.30%	(4,005)	248,117	303,609	36.13	8.403	2.44
	Accessory Electric Equipment	109,290	LIFESPAN	79.70	-0.70%	(3,835)			35.13	1,857	
			LIFESPAN	72.13		(1,311)	45,351	65,250 4,228	35.14 34.20	1,057	1.70
	Misc. Power Plant Equipment	7,331	LIFESPAN		0.00%	-	3,103	,			1.69
336.00	Roads, Railroads & Bridges Total Fish Creek	409,412 7,391,365	LIFESPAN	68.30 67.15	-0.20% -4.21%	(819) (311,016)	<u> </u>	253,102 4,920,473	36.81 36.44	6,876 135,008	1.68 1.83
		1,001,000		07.10		(011,010)	2,101,000	1,020,110		100,000	-
004.00	<u>COPCO #2 (612)</u>	4 500 000		17.00	4 000/	(10,700)	705 000	044 504	00.40	00.404	
	Structures & Improvements	1,560,869	LIFESPAN	47.00	-1.20%	(18,730)	735,098	844,501	22.13	38,161	2.44
	Reservoirs, Dams & Waterways	2,822,023	LIFESPAN	89.90	-3.00%	(84,661)	1,902,756	1,003,928	22.13	45,365	1.61
	Waterwheels, Turbines & Generators	3,544,474	LIFESPAN	38.84	-0.40%	(14,178)	1,343,138	2,215,514	22.01	100,659	2.84
	Accessory Electric Equipment	502,966	LIFESPAN	52.20	-0.80%	(4,024)	247,543	259,447	24.39	10,637	2.11
334.70	, , , , ,	277,255	LIFESPAN	35.77	-0.70%	(1,941)	90,859	188,337	21.65	8,699	3.14
	Misc. Power Plant Equipment	33,179	LIFESPAN	36.69	0.00%	-	11,927	21,252	21.29	998	3.01
336.00	Roads, Railroads & Bridges	240,200	LIFESPAN	41.21	-0.10%	(240)	97,397	143,043	22.25	6,429	2.68
	Total COPCO #2	8,980,966		57.01	-1.38%	(123,774)	4,428,718	4,676,022	22.19	210,949	2.35
	PROSPECT #3 (33)										
331.00	Structures & Improvements	279,313	LIFESPAN	42.47	-0.80%	(2,235)	112,112	169,436	16.30	10,395	3.72
331.30	Recreation	1,638	LIFESPAN	42.40	-0.80%	(13)	657	994	16.30	61	3.72
332.00	Reservoirs, Dams & Waterways	1,955,089	LIFESPAN	46.79	-2.10%	(41,057)	831,985	1,164,161	16.30	71,421	3.65
332.20		2,021,734	LIFESPAN	23.19	-2.10%	(42,456)	382,537	1,681,653	16.30	103,169	5.10
333.00	Waterwheels, Turbines & Generators	1,922,715	LIFESPAN	25.92	-0.30%	(5,768)	458,652	1,469,831	16.24	90,507	4.71
	Accessory Electric Equipment	443,446	LIFESPAN	27.54	-0.50%	(2,217)	117,783	327,880	16.04	20,441	4.61
	Misc. Power Plant Equipment	73,267	LIFESPAN	29.20	0.00%	-	21,236	52,031	15.85	3,283	4.48
336.00		51,115	LIFESPAN	62.59	-0.10%	(51)	24,834	26,332	16.37	1,609	3.15
	Total Prospect #3	6,748,317		32.26	-1.39%	(93,797)	1,949,796	4,892,318	16.26	300,885	4.46

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>CONDIT (213)</u>										
	Flood Rights	2,964	LIFESPAN	95.00	0.00%	-	1,572	1,392	7.00	199	6.71
	Structures & Improvements	799,980	LIFESPAN	38.40	-296.00%	(2,367,941)	1,563,497	1,604,424	7.00	229,203	28.65
	Recreation	157,752	LIFESPAN	19.49	-296.00%	(466,946)	271,625	353,073	7.00	50,439	31.97
332.00	Reservoirs, Dams & Waterways	4,092,789	LIFESPAN	39.77	-296.00%	(12,114,655)	8,033,686	8,173,758	7.00	1,167,680	28.53
	Recreation	208,501	LIFESPAN	9.00	-296.00%	(617,163)	253,023	572,641	7.00	81,806	39.24
333.00	Waterwheels, Turbines & Generators	1,148,822	LIFESPAN	25.11	-295.90%	(3,399,364)	2,098,089	2,450,097	6.99	350,515	30.51
334.00	Accessory Electric Equipment	94,579	LIFESPAN	43.00	-295.40%	(279,386)	187,344	186,621	6.99	26,698	28.23
334.70	Supervisory Equipment	53,916	LIFESPAN	18.99	-295.40%	(159,268)	92,195	120,989	6.99	17,309	32.10
335.00	Misc. Power Plant Equipment	29,026	LIFESPAN	8.73	-295.00%	(85,627)	34,455	80,198	6.99	11,473	39.53
336.00	Roads, Railroads & Bridges	59,738	LIFESPAN	53.59	-296.20%	(176,944)	120,942	115,740	7.00	16,534	27.68
	Total Condit	6,648,067	-	35.52	-295.83%	(19,667,294)	12,656,428	13,658,933	7.00	1,951,856	29.36
	CONDIT - NON (2131)										
330.20	Land Rights	172	LIFESPAN	75.00	0.00%	-	130	42	3.50	12	6.98
	SODA SPRINGS (46)										
331.00	Structures & Improvements	811,726	LIFESPAN	80.28	-2.00%	(16,235)	441,798	386,163	36.47	10,588	1.30
	Reservoirs, Dams & Waterways	3,467,419	LIFESPAN	80.82	-5.10%	(176,838)	1,898,020	1,746,237	36.47	47,881	1.38
	Waterwheels, Turbines & Generators	614,026	LIFESPAN	86.54	-0.70%	(4,298)	355,997	262,327	36.13	7,261	1.18
	Accessory Electric Equipment	400,823	LIFESPAN	52.47	-1.20%	(4,810)	127,176	278,457	35.15	7,922	1.98
	Supervisory Equipment	29,536	LIFESPAN	52.65	-1.20%	(354)	9,438	20,452	35.15	582	1.97
	Misc. Power Plant Equipment	2,160	LIFESPAN	47.07	0.00%	-	553	1,607	34.20	47	2.18
	Roads, Railroads & Bridges	25,845	LIFESPAN	44.31	-0.20%	(52)	4,309	21,588	36.81	586	2.27
000100	Total Soda Springs	5,351,535		78.93	-3.79%	(202,587)	2,837,291	2,716,831	36.33	74,868	1.40
	SLIDE CREEK (47)										
331.00	Structures & Improvements	607,138	LIFESPAN	72.45	-2.00%	(12,143)	268.288	350.993	36.47	9.624	1.59
	Reservoirs, Dams & Waterways	3,753,383	LIFESPAN	79.20	-5.10%	(191,423)	1,806,060	2,138,746	36.47	58,644	1.56
	Waterwheels, Turbines & Generators	676,892	LIFESPAN	86.13	-0.70%	(4,738)	349,816	331,814	36.13	9,184	1.36
	Accessory Electric Equipment	419,356	LIFESPAN	50.36	-1.20%	(5,032)	108,630	315,758	35.15	8,983	2.14
	Supervisory Equipment	59,213	LIFESPAN	43.65	-1.20%	(0,002)	9,796	50,128	35.15	1,426	2.41
	Misc. Power Plant Equipment	4,581	LIFESPAN	50.17	0.00%	(711)	1,229	3,352	34.20	98	2.14
	Roads, Railroads & Bridges	16,778	LIFESPAN	50.01	-0.20%	(34)	3,918	12,894	36.81	350	2.09
000.00	Total Slide Creek	5,537,341		76.63	-3.87%	(214,080)	2,547,737	3,203,684	36.31	88,310	1.59
	CLEARWATER #1 (42)										
331.00	Structures & Improvements	559,122	LIFESPAN	79.43	-2.00%	(11,182)	307,333	262,971	36.47	7,211	1.29
	Reservoirs, Dams & Waterways	3,339,382	LIFESPAN	83.53	-5.10%	(170,308)	1,914,391	1,595,299	36.47	43,743	1.31
	Fish/Wildlife	4,773	LIFESPAN	85.97	-5.10%	(243)	2,798	2,218	36.47	61	1.27
333.00	Waterwheels, Turbines & Generators	719,921	LIFESPAN	83.19	-0.70%	(5,039)	412,714	312,246	36.13	8,642	1.20
	Accessory Electric Equipment	149,172	LIFESPAN	79.51	-1.20%	(1,790)	83,237	67,725	35.15	1,927	1.29
334.70	Supervisory Equipment	47,450	LIFESPAN	45.65	-1.20%	(569)	10,598	37,421	35.15	1,065	2.24
	Misc. Power Plant Equipment	6,671	LIFESPAN	66.03	0.00%	-	3,147	3,524	34.20	103	1.54
	Total Clearwater #1	4,826,491	-	82.49	-3.92%	(189,133)	2,734,218	2,281,406	36.36	62,751	1.30

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	KLAMATH (19)										
330.20	Land Rights	624,391	LIFESPAN	40.00	0.00%	-	54,858	569,533	33.50	17,001	2.72
330.40	Flood Rights	235,149	LIFESPAN	63.00	0.00%	-	60,068	175,081	33.50	5,226	2.22
331.00	Structures & Improvements	19,304	LIFESPAN	37.52	-1.80%	(347)	1,316	18,335	32.68	561	2.91
331.30	Recreation	11,315	LIFESPAN	62.29	-1.80%	(204)	2,896	8,623	32.68	264	2.33
332.00	Reservoirs, Dams & Waterways	3,316,196	LIFESPAN	48.84	-4.50%	(149,229)	586,237	2,879,188	32.68	88,102	2.66
334.00	Accessory Electric Equipment	12,281	LIFESPAN	38.10	-1.00%	(123)	1,076	11,328	31.62	358	2.92
335.00	Misc. Power Plant Equipment	36,462	LIFESPAN	68.35	0.00%	-	10,524	25,938	30.85	841	2.31
	Total Klamath	4,255,098		48.45	-3.52%	(149,903)	716,975	3,688,026	32.83	112,354	2.64
	BIG FORK (410)										
331.00	Structures & Improvements	304,554	LIFESPAN	53.73	-1.50%	(4,568)	199,649	109,473	27.90	3,924	1.29
331.30	Recreation	12,521	LIFESPAN	76.27	-1.50%	(188)	9,826	2,883	27.90	103	0.83
332.00	Reservoirs, Dams & Waterways	3,747,071	LIFESPAN	27.90	-3.80%	(142,389)	1,564,248	2,325,212	27.90	83,341	2.22
332.20	Fish/Wildlife	87,667	LIFESPAN	37.40	-3.80%	(3,331)	29,987	61,011	27.90	2,187	2.49
332.30	Recreation	2,431	LIFESPAN	38.40	-3.80%	(92)	896	1,627	27.90	58	2.40
333.00	Waterwheels, Turbines & Generators	1,347,093	LIFESPAN	37.25	-0.50%	(6,735)	462,249	891,579	27.71	32,175	2.39
334.00	Accessory Electric Equipment	196,949	LIFESPAN	52.20	-0.90%	(1,773)	127,056	71,666	27.13	2,642	1.34
335.00	Misc. Power Plant Equipment	18,029	LIFESPAN	32.03	0.00%	-	3,351	14,678	27.53	533	2.96
336.00	Roads, Railroads & Bridges	3,731	LIFESPAN	101.75	-0.10%	(4)	3,735	-	28.10	-	0.00
	Total Big Fork	5,720,046		32.63	-2.78%	(159,080)	2,400,997	3,478,130	27.83	124,963	2.18
	PROSPECT #1 (31)										
331.00	Structures & Improvements	212,528	LIFESPAN	74.63	-1.80%	(3,826)	148,177	68.177	31.72	2,149	1.01
	Recreation	1.482	LIFESPAN	63.22	-1.80%	(27)	892	617	31.72	19	1.31
	Reservoirs, Dams & Waterways	129,203	LIFESPAN	113.05	-4.40%	(5,685)	113,612	21,276	31.72	671	0.52
	Waterwheels, Turbines & Generators	140,055	LIFESPAN	75.96	-0.60%	(840)	99,192	41,703	31.47	1,325	0.95
334.00	Accessory Electric Equipment	47,681	LIFESPAN	74.65	-1.00%	(477)	33,582	14,576	30.73	474	0.99
336.00	Roads, Railroads & Bridges	4,061	LIFESPAN	69.48	-0.10%	(4)	2,663	1,402	31.98	44	1.08
	Total Prospect #1	535,010		84.19	-2.03%	(10,858)	398,118	147,750	31.57	4,683	0.88
	PROSPECT #4 (34)										
331.00	Structures & Improvements	50.575	LIFESPAN	54.56	-1.80%	(910)	22,424	29,061	31.72	916	1.81
331.30	•	9,312	LIFESPAN	40.22	-1.80%	(168)	2,061	7,419	31.72	234	2.51
332.00		48,744	LIFESPAN	64.07	-4.40%	(2,145)	26,190	24,699	31.72	779	1.60
	Waterwheels, Turbines & Generators	53,413	LIFESPAN	88.97	-0.60%	(320)	36,912	16,821	31.47	535	1.00
334.00		22,202	LIFESPAN	77.70	-1.00%	(222)	14,173	8,251	30.73	269	1.21
301.00	Total Prospect #4	184,246	0.7.4	69.12	-2.04%	(3,765)	101,760	86,251	31.53	2,732	1.48
		104,240		00.12	2.0470	(0,700)	101,700	00,201	51.00	2,102	

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account Number	[2] Description	[3] 3/31/2002 Balance	[4] IOWA CURVE	[5] Average _ Life	[6] NET SA Percent	[7] ALVAGE Amount	[8] 3/31/2002 Book Reserve	[9] Net Plant	[10] Rem. Life	[11] Annual Amount	[12] Deprec. Rate
Number	Description	Balance	CORVE	Yrs	%	\$	\$	s s	Yrs	\$	<u></u> %
		\$		TIS	70	Þ	¢	Þ	TIS	Þ	%
	EAST SIDE (16)										
331.00	Structures & Improvements	98,554	LIFESPAN	62.08	-0.40%	(394)	69,586	29,362	7.46	3,936	3.99
332.00	Reservoirs, Dams & Waterways	1,400,651	LIFESPAN	38.32	-0.90%	(12,606)	896,049	517,208	7.46	69,331	4.95
333.00	Waterwheels, Turbines & Generators	103,158	LIFESPAN	85.86	-0.10%	(103)	75,939	27,322	7.45	3,667	3.56
334.00	Accessory Electric Equipment	99,073	LIFESPAN	35.63	-0.20%	(198)	62,126	37,145	7.41	5,013	5.06
334.70	Supervisory Equipment	18,205	LIFESPAN	17.91	-0.20%	(36)	8,209	10,032	7.41	1,354	7.44
335.00	Misc. Power Plant Equipment	11,212	LIFESPAN	85.84	0.00%	-	8,254	2,958	7.38	401	3.57
336.00	Roads, Railroads & Bridges	66,539	LIFESPAN	24.51	0.00%	-	36,216	30,323	7.48	4,054	6.09
	Total East Side	1,797,392		41.78	-0.74%	(13,338)	1,156,379	654,351	7.46	87,756	4.88
	WEST SIDE (17)					(070)	00 00 <i>(</i>				
	Structures & Improvements	90,577	LIFESPAN	40.58	-0.30%	(272)	89,284	1,565	7.46	-	0.00
	Recreation	7,863	LIFESPAN	31.47	-0.30%	(24)	7,193	694	7.46	-	0.00
	Reservoirs, Dams & Waterways	129,063	LIFESPAN	90.91	-0.70%	(903)	145,092	(15,126)	7.46	-	0.00
	Waterwheels, Turbines & Generators	45,340	LIFESPAN	49.38	-0.10%	(45)	46,696	(1,311)	7.45	-	0.00
	Accessory Electric Equipment	30,871	LIFESPAN	41.05	-0.20%	(62)	30,527	406	7.41	-	0.00
336.00	Roads, Railroads & Bridges	418	LIFESPAN	66.98	0.00%	- (1.000)	453	(35)	7.48	-	0.00
	Total West Side	304,132		63.10	-0.43%	(1,306)	319,245	(13,807)	7.45	-	0.00
	FALL CREEK (613)										
330.50	Fish/Wildlife	17,211	LIFESPAN	99.00	0.00%	-	16,346	865	33.50	26	0.15
	Structures & Improvements	118,512	LIFESPAN	64.15	-1.80%	(2,133)	105,242	15,403	32.68	471	0.40
331.30	Recreation	3,101	LIFESPAN	64.18	-1.80%	(56)	2,754	403	32.68	12	0.40
332.00	Reservoirs, Dams & Waterways	469,218	LIFESPAN	57.21	-4.50%	(21,115)	402,434	87,899	32.68	2,690	0.57
333.00	Waterwheels, Turbines & Generators	134,337	LIFESPAN	69.70	-0.60%	(806)	121,671	13,472	32.41	416	0.31
334.00	Accessory Electric Equipment	31,788	LIFESPAN	77.87	-1.00%	(318)	29,404	2,702	31.62	85	0.27
	Total Fall Creek	774,167		62.25	-3.16%	(24,428)	677,851	120,744	32.61	3,700	0.48
000.00	FALL CREEK (13)	000		400.00	0.000/		054	0.40	00 50	7	1.00
	Land Rights	600	LIFESPAN	133.00	0.00%	-	354	246	33.50	7	1.22
	Flood Rights	150	LIFESPAN	99.00	0.00%	-	87	63	33.50	2	1.25
332.00	Reservoirs, Dams & Waterways	149,444	LIFESPAN	49.00	-4.50%	(6,725)	72,280	83,889	32.68	2,567	1.72
	Total Fall Creek	150,194		49.39	-4.48%	(6,725)	72,721	84,198	32.68	2,576	1.72
	COVE (456)										
331.00	Structures & Improvements	186,955	LIFESPAN	92.87	-1.50%	(2,804)	103,390	86,369	27.90	3,096	1.66
332.00	•	1,894,119	LIFESPAN	67.91	-3.80%	(71,977)	876,700	1,089,396	27.90	39,046	2.06
	Waterwheels, Turbines & Generators	360,361	LIFESPAN	68.30	-0.50%	(1,802)	167,812	194,351	27.71	7,014	1.95
	Accessory Electric Equipment	323,170	LIFESPAN	46.11	-0.90%	(2,909)	101,739	224,340	27.13	8,269	2.56
	Misc. Power Plant Equipment	2,916	LIFESPAN	43.67	0.00%	(2,000)	860	2,056	26.57	77	2.65
336.00		8,590	LIFESPAN	113.60	-5.00%	(430)	5,136	3,884	28.10	138	1.61
000.00	Total Cove	2,776,111		67.22	-2.88%	(79,921)	1,255,637	1,600,395	27.78	57,640	2.08
		2,110,111		01.22	2.0070	(10,021)	1,200,001	1,000,000		07,040	2.00

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET SA	[7] LVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	PARIS (460)										
331.00	Structures & Improvements	37,716	LIFESPAN	43.08	-0.60%	(226)	23,629	14,313	12.39	1,155	3.06
332.00	Reservoirs, Dams & Waterways	96,285	LIFESPAN	66.61	-1.50%	(1,444)	69,541	28,188	12.39	2,275	2.36
333.00	Waterwheels, Turbines & Generators	69,439	LIFESPAN	43.35	-0.20%	(139)	43,636	25,942	12.35	2,101	3.03
334.00	Accessory Electric Equipment	96,708	LIFESPAN	34.81	-0.30%	(290)	54,587	42,411	12.24	3,465	3.58
335.00	Misc. Power Plant Equipment	7,127	LIFESPAN	28.46	0.00%	-	3,519	3,608	12.13	297	4.17
	Total Paris	307,275		47.57	-0.68%	(2,100)	194,912	114,463	12.33	9,293	3.02
	WALLOWA FALLS (29)										
331.00	Structures & Improvements	43,639	LIFESPAN	36.55	-0.70%	(305)	19,965	23,979	13.37	1,794	4.11
331.30	Recreation	63,874	LIFESPAN	23.45	-0.70%	(447)	19,480	44,841	13.37	3,354	5.25
332.00	Reservoirs, Dams & Waterways	2,074,445	LIFESPAN	22.62	-1.60%	(33,191)	600,848	1,506,788	13.37	112,699	5.43
333.00	Waterwheels, Turbines & Generators	58,400	LIFESPAN	51.14	-0.20%	(117)	31,392	27,125	13.33	2,035	3.48
334.00	Accessory Electric Equipment	195,747	LIFESPAN	24.35	-0.40%	(783)	63,280	133,250	13.20	10,095	5.16
334.70	Supervisory Equipment	444	LIFESPAN	57.99	-0.40%	(2)	249	197	13.20	15	3.36
336.00	Roads, Railroads & Bridges	310,959	LIFESPAN	20.75	-0.10%	(311)	77,720	233,550	13.41	17,416	5.60
	Total Wallowa Falls	2,747,508		23.38	-1.28%	(35,156)	812,934	1,969,730	13.36	147,407	5.37
	WALLOWA FALLS (NON) (292)										
334.70	Supervisory Equipment	4,164	LIFESPAN	27.70	-0.40%	(17)	2,974	1,207	13.20	91	2.20
	ST. ANTHONY (462)										
331.00	Structures & Improvements	85,490	LIFESPAN	51.61	-1.40%	(1,197)	32,102	54,585	25.02	2,182	2.55
332.00	Reservoirs, Dams & Waterways	435,903	LIFESPAN	42.58	-3.40%	(14,821)	130,250	320,474	25.02	12,809	2.94
332.20	Fish/Wildlife	135,253	LIFESPAN	34.52	-3.40%	(4,599)	26,759	113,093	25.02	4,520	3.34
333.00	Waterwheels, Turbines & Generators	497,009	LIFESPAN	35.86	-0.50%	(2,485)	109,233	390,261	24.87	15,692	3.16
	Accessory Electric Equipment	160,821	LIFESPAN	41.68	-0.80%	(1,287)	47,590	114,518	24.40	4,693	2.92
335.00	Misc. Power Plant Equipment	458	LIFESPAN	52.48	0.00%	-	178	280	23.95	12	2.55
	Total St. Anthony	1,314,934		39.69	-1.85%	(24,388)	346,112	993,210	24.89	39,908	3.03
	<u>OLMSTED (448)</u>										
331.00	Structures & Improvements	172,730	LIFESPAN	78.30	-0.70%	(1,209)	125,371	48,568	13.37	3,633	2.10
334.00	Accessory Electric Equipment	16,526	LIFESPAN	18.70	-0.40%	(66)	4,035	12,557	13.20	951	5.76
335.00	Misc. Power Plant Equipment	3,274	LIFESPAN	37.78	0.00%	-	1,832	1,442	13.07	110	3.37
336.00	Roads, Railroads & Bridges	3,547	LIFESPAN	22.91	-0.10%	(4)	1,247	2,304	13.41	172	4.84
	Total Olmsted	196,077		71.60	-0.65%	(1,279)	132,485	64,871	13.35	4,866	2.48

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET SA	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>BEND (23)</u>										
331.00	Structures & Improvements	42,714	LIFESPAN	49.27	0.00%	-	41,440	1,274	2.50	510	1.19
	Recreation	10,202	LIFESPAN	36.82	0.00%	-	9,654	548	2.50	219	2.15
	Reservoirs, Dams & Waterways	76,015	LIFESPAN	82.32	0.00%	-	75,937	78	2.50	31	0.04
332.30	Recreation	1,907	LIFESPAN	37.00	0.00%	-	1,805	102	2.50	41	2.14
333.00	Waterwheels, Turbines & Generators	76,558	LIFESPAN	63.29	0.00%	-	75,486	1,072	2.50	429	0.56
	Accessory Electric Equipment	75,787	LIFESPAN	25.17	0.00%	-	68,459	7,328	2.50	2,931	3.87
	Supervisory Equipment	535,127	LIFESPAN	17.72	0.00%	-	453,686	81,441	2.50	32,576	6.09
	Misc. Power Plant Equipment	15,384	LIFESPAN	3.00	0.00%	-	2,005	13,379	2.50	5,352	34.79
336.00	Roads, Railroads & Bridges	174	LIFESPAN	69.00	0.00%	-	172	2	2.50	1	0.46
	Total Bend	833,868		30.10	0.00%	-	728,644	105,224	2.50	42,090	5.05
	CLINE FALLS (24)										
331.00	Structures & Improvements	116.094	LIFESPAN	21.38	0.00%	-	64,216	51.878	2.50	20.751	17.87
	Reservoirs, Dams & Waterways	83,976	LIFESPAN	35.85	0.00%	-	49,832	34,144	2.50	13,658	16.26
	Waterwheels, Turbines & Generators	47,119	LIFESPAN	58.13	0.00%	-	29,066	18,053	2.50	7,221	15.33
	Accessory Electric Equipment	10,823	LIFESPAN	53.83	0.00%	-	6,643	4,180	2.50	1,672	15.45
	Supervisory Equipment	32,838	LIFESPAN	15.00	0.00%	-	16,821	16,017	2.50	6,407	19.51
	Roads, Railroads & Bridges	745	LIFESPAN	62.00	0.00%	-	461	284	2.50	114	15.25
000100	Total Cline Falls	291,595		32.08	0.00%	-	167,039	124,556	2.50	49,822	17.09
								,		,	
	EAGLE POINT (36)										
	Land Rights	12,122	LIFESPAN	53.00	0.00%	-	5,921	6,201	7.50	827	6.82
	Structures & Improvements	121,078	LIFESPAN	31.31	-0.30%	(363)	51,745	69,696	7.46	9,343	7.72
	Reservoirs, Dams & Waterways	1,170,623	LIFESPAN	23.66	-0.70%	(8,194)	445,065	733,752	7.46	98,358	8.40
	Fish/Wildlife	25,995	LIFESPAN	37.96	-0.70%	(182)	11,785	14,392	7.46	1,929	7.42
	Waterwheels, Turbines & Generators	251,541	LIFESPAN	36.91	-0.10%	(252)	113,163	138,630	7.45	18,608	7.40
	Accessory Electric Equipment	64,353	LIFESPAN	37.65	-0.20%	(129)	29,119	35,363	7.41	4,772	7.42
336.00	Roads, Railroads & Bridges	28,056	LIFESPAN	44.32	0.00%	-	13,215	14,841	7.48	1,984	7.07
	Total Eagle Point	1,673,768		27.52	-0.54%	(9,120)	670,013	1,012,875	7.46	135,821	8.11
	WEBER (454)										
331.00	Structures & Improvements	215,588	LIFESPAN	55.64	-0.90%	(1,940)	111,719	105,809	17.28	6,123	2.84
	Recreation	148,291	LIFESPAN	27.78	-0.90%	(1,335)	41,242	108,384	17.28	6.272	4.23
	Reservoirs, Dams & Waterways	1,022,688	LIFESPAN	65.45	-2.20%	(22,499)	567,571	477,616	17.28	27,640	2.70
	Waterwheels, Turbines & Generators	874,138	LIFESPAN	35.69	-0.30%	(2,622)	335,632	541,128	17.20	31,461	3.60
	Accessory Electric Equipment	114,723	LIFESPAN	42.00	-0.50%	(574)	50,653	64,644	16.98	3,807	3.32
	Misc. Power Plant Equipment	21,696	LIFESPAN	34.98	0.00%	(07.1)	8,267	13,429	16.77	801	3.69
	Roads, Railroads & Bridges	39,857	LIFESPAN	25.58	-0.10%	(40)	9,426	30,471	17.35	1,756	4.41
000.00	Total Weber	2,436,981		49.59	-1.19%	(29,010)	1,124,510	1,341,481	17.23	77,860	3.19
		2,100,001		10.00		(20,010)	1,121,010	1,011,101		11,000	- 0.10

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET SA	[7] LVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
	· · ·	\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	GUNLOCK (463)										
331.00	Structures & Improvements	32,500	LIFESPAN	55.10	-0.90%	(293)	16,969	15,824	17.28	916	2.82
	Reservoirs, Dams & Waterways	78,695	LIFESPAN	75.80	-2.20%	(1,731)	46,491	33,935	17.28	1,964	2.50
333.00	Waterwheels, Turbines & Generators	120,563	LIFESPAN	36.95	-0.30%	(362)	48,403	72,522	17.20	4,216	3.50
	Accessory Electric Equipment	238,652	LIFESPAN	31.33	-0.50%	(1,193)	81,059	158,786	16.98	9,351	3.92
335.00	Misc. Power Plant Equipment	4,550	LIFESPAN	41.96	0.00%	-	2,040	2,510	16.77	150	3.29
336.00	Roads, Railroads & Bridges	371	LIFESPAN	102.85	-0.10%	(0)	237	134	17.35	8	2.09
	Total Gunlock	475,331		41.90	-0.75%	(3,579)	195,199	283,711	17.10	16,605	3.49
	VEYO (464)										
331.00	Structures & Improvements	66,988	LIFESPAN	38.37	-0.90%	(603)	23,931	43,660	17.28	2,527	3.77
332.00	Reservoirs, Dams & Waterways	356,441	LIFESPAN	38.37	-2.20%	(7,842)	127,335	236,948	17.28	13,712	3.85
333.00	Waterwheels, Turbines & Generators	144,098	LIFESPAN	33.81	-0.30%	(432)	45,716	98,814	17.20	5,745	3.99
334.00	Accessory Electric Equipment	140,074	LIFESPAN	22.74	-0.50%	(700)	22,303	118,471	16.98	6,977	4.98
	Misc. Power Plant Equipment	7,689	LIFESPAN	41.52	0.00%	-	2,951	4,738	16.77	283	3.67
336.00	Roads, Railroads & Bridges	290	LIFESPAN	62.20	-0.10%	(0)	138	152	17.35	9	3.03
	Total Veyo	715,580		34.44	-1.34%	(9,578)	222,374	502,784	17.20	29,252	4.09
	SANDCOVE (465)										
331.00	Structures & Improvements	31,443	LIFESPAN	48.81	-0.90%	(283)	15,597	16,129	17.28	933	2.97
332.00	Reservoirs, Dams & Waterways	394,543	LIFESPAN	56.14	-2.20%	(8,680)	210,390	192,833	17.28	11,159	2.83
	Waterwheels, Turbines & Generators	161,508	LIFESPAN	31.91	-0.30%	(485)	56,309	105,684	17.20	6,144	3.80
	Accessory Electric Equipment	228,407	LIFESPAN	26.04	-0.50%	(1,142)	59,101	170,448	16.98	10,038	4.39
336.00	Roads, Railroads & Bridges	2,059	LIFESPAN	93.85	-0.10%	(2)	1,305	756	17.35	44	2.12
	Total Sandcove	817,960		42.76	-1.29%	(10,592)	342,702	485,850	17.18	28,319	3.46
	<u>STAIRS (452)</u>										
331.00	Structures & Improvements	155,055	LIFESPAN	52.78	-1.20%	(1,861)	70,960	85,956	22.13	3,884	2.50
332.00	Reservoirs, Dams & Waterways	335,349	LIFESPAN	59.86	-3.00%	(10,060)	167,076	178,333	22.13	8,058	2.40
333.00	Waterwheels, Turbines & Generators	513,220	LIFESPAN	37.16	-0.40%	(2,053)	162,653	352,620	22.01	16,021	3.12
334.00	Accessory Electric Equipment	150,761	LIFESPAN	40.43	-0.70%	(1,055)	54,143	97,673	21.65	4,511	2.99
	Total Stairs	1,154,385	•	46.28	-1.30%	(15,029)	454,832	714,582	22.01	32,475	2.81
	LAST CHANCE (468)										
331.00	Structures & Improvements	422,706	LIFESPAN	38.82	-1.20%	(5,072)	148,759	279,019	22.13	12,608	2.98
332.00	Reservoirs, Dams & Waterways	819,075	LIFESPAN	39.01	-3.00%	(24,572)	290,159	553,488	22.13	25,011	3.05
333.00	Waterwheels, Turbines & Generators	1,087,357	LIFESPAN	40.40	-0.40%	(4,349)	404,530	687,176	22.01	31,221	2.87
334.00	Accessory Electric Equipment	103,338	LIFESPAN	40.47	-0.70%	(723)	38,944	65,117	21.65	3,008	2.91
336.00	Roads, Railroads & Bridges	65,287	LIFESPAN	41.75	-0.10%	(65)	25,090	40,262	22.25	1,810	2.77
	Total Last Chance	2,497,763		39.71	-1.39%	(34,783)	907,482	1,625,064	22.06	73,657	2.95

Remaining Life Depreciation Rates

OREGON STIPULATION

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[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
Account		3/31/2002	IOWA	Average		ALVAGE	3/31/2002	Net	Rem.	Annual	Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	AMERICAN FORK (441)										
331.00	Structures & Improvements	87,367	LIFESPAN	39.69	-106.40%	(92,958)	44,434	135,891	5.48	24,798	28.38
332.00	Reservoirs, Dams & Waterways	600,700	LIFESPAN	44.97	-106.70%	(640,947)	312,175	929,472	5.48	169,612	28.24
333.00	Waterwheels, Turbines & Generators	120,897	LIFESPAN	32.98	-106.10%	(128,272)	59,181	189,988	5.48	34,669	28.68
334.00	Accessory Electric Equipment	117,046	LIFESPAN	26.81	-105.70%	(123,718)	54,306	186,458	5.46	34,150	29.18
335.00	Misc. Power Plant Equipment	2,181	LIFESPAN	22.55	-105.10%	(2,292)	957	3,516	5.44	646	29.64
336.00	Roads, Railroads & Bridges	8,708	LIFESPAN	15.99	-106.40%	(9,265)	3,255	14,718	5.49	2,681	30.79
	Total American Fork	936,899		40.34	-106.46%	(997,452)	474,308	1,460,043	5.48	266,556	28.45
	UPPER BEAVER (443)										
331.00	Structures & Improvements	154,265	LIFESPAN	76.29	-1.50%	(2,314)	98,205	58,374	26.94	2,167	1.40
332.00	Reservoirs, Dams & Waterways	1,820,100	LIFESPAN	45.73	-3.70%	(67,344)	726,259	1,161,185	26.94	43,103	2.37
333.00	Waterwheels, Turbines & Generators	118,090	LIFESPAN	68.83	-0.50%	(590)	70,698	47,982	26.76	1,793	1.52
	Accessory Electric Equipment	401,471	LIFESPAN	36.72	-0.80%	(3,212)	108,471	296,212	26.23	11,293	2.81
	Misc. Power Plant Equipment	10,110	LIFESPAN	42.63	0.00%	-	3,784	6,326	25.70	246	2.43
336.00	Roads, Railroads & Bridges	2,466	LIFESPAN	81.47	-0.10%	(2)	1,624	844	27.13	31	1.26
	Total Upper Beaver	2,506,502		47.28	-2.93%	(73,462)	1,009,041	1,570,923	26.81	58,633	2.34
	SNAKE CREEK (451)										
331.00	Structures & Improvements	52,498	LIFESPAN	48.48	-0.90%	(472)	26,701	26,269	17.28	1,520	2.90
	Reservoirs, Dams & Waterways	423,401	LIFESPAN	44.61	-2.20%	(9,315)	204,560	228,156	17.28	13,203	3.12
333.00		263,034	LIFESPAN	36.24	-0.30%	(789)	108,084	155,739	17.20	9,055	3.44
	Accessory Electric Equipment	144,864	LIFESPAN	38.00	-0.50%	(724)	62,424	83,164	16.98	4,898	3.38
335.00	Misc. Power Plant Equipment		LIFESPAN	33.27	0.00%	-	797	1,289	16.77	77	3.68
	Total Snake Creek	885,883		41.25	-1.28%	(11,301)	402,566	494,618	17.21	28,753	3.25
	VIVA NAUGHTON (467)										
	Structures & Improvements	385,494	LIFESPAN	52.50	-2.00%	(7,710)	110,215	282,989	36.47	7,759	2.01
	Reservoirs, Dams & Waterways	103,507	LIFESPAN	52.18	-5.10%	(5,279)	29,174	79,612	36.47	2,183	2.11
	Waterwheels, Turbines & Generators	486,255	LIFESPAN	52.63	-0.70%	(3,404)	141,877	347,782	36.13	9,626	1.98
	Accessory Electric Equipment	159,117	LIFESPAN	51.54	-1.20%	(1,909)	46,209	114,817	35.15	3,266	2.05
335.00	Misc. Power Plant Equipment	20,594	LIFESPAN	50.70	0.00%	- (10.000)	6,009	14,585	34.20	426	2.07
	Total Viva Naughton	1,154,967		52.36	-1.58%	(18,302)	333,484	839,785	36.10	23,261	2.01
	<u>GRANITE (445)</u>										
	Structures & Improvements	124,465	LIFESPAN	64.07	-1.50%	(1,867)	45,573	80,759	26.94	2,998	2.41
	Reservoirs, Dams & Waterways	3,490,494	LIFESPAN	31.97	-3.70%	(129,148)	338,889	3,280,753	26.94	121,780	3.49
333.00		675,594	LIFESPAN	46.69	-0.50%	(3,378)	179,934	499,038	26.76	18,649	2.76
	Accessory Electric Equipment	174,419	LIFESPAN	44.02	-0.80%	(1,395)	43,383	132,431	26.23	5,049	2.89
335.00	Misc. Power Plant Equipment	1,410	LIFESPAN	57.80	0.00%	-	483	927	25.70	36	2.56
	Total Granite	4,466,382		35.57	-3.04%	(135,789)	608,262	3,993,909	26.88	148,511	3.33
	<u>SWIFT (NON) (262)</u>										
334.00	Accessory Electric Equipment	8,247	LIFESPAN	13.70	-0.40%	(33)	68	8,212	13.20	622	7.54

Remaining Life Depreciation Rates

OREGON STIPULATION

	Remaining Life Depresiation Rates			ONLOON	oni olanoi	•					
[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
221.00	FOUNTAIN GREEN (446)	10 757	LIFESPAN	E7 E1	0.200/	(50)	16 254	2 462	7.46	464	2.25
	Structures & Improvements Reservoirs, Dams & Waterways	19,757 318,833	LIFESPAN	57.51	-0.30%	(59)	16,354	3,462	7.46 7.46	464	2.35
	Waterwheels, Turbines & Generators	24,279	LIFESPAN	19.84 75.62	-0.70% -0.10%	(2,232) (24)	263,921 20,097	57,144 4,206	7.46 7.45	7,660 565	2.40 2.33
	Accessory Electric Equipment	70,188	LIFESPAN	27.70	-0.10%	(24)	58,100	4,206 12,228	7.45	1,650	2.35
	Misc. Power Plant Equipment	2,086	LIFESPAN	23.88	-0.20%	(140)	1,727	359	7.38	49	2.33
	Roads, Railroads & Bridges	1,261	LIFESPAN	23.88 78.47	0.00%	-	1,044	217	7.48	49 29	2.33
550.00	Total Fountain Green	436,404		26.10	-0.56%	(2,456)	361,243	77,617	7.45	10.417	2.30
	rotari ountarii Green	+30,+04		20.10	-0.0070	(2,400)	301,243	77,017	7.40	10,417	2.00
	SKOOKUMCHUCK (201)										
331.00	Structures & Improvements	198.834	LIFESPAN	59.19	-2.50%	(4,971)	89,846	113,959	43.99	2,591	1.30
	Fish/Wildlife	905,108	LIFESPAN	63.23	-2.50%	(22,628)	485,876	441,860	43.99	10,045	1.11
	Reservoirs, Dams & Waterways	5,126,426	LIFESPAN	73.45	-6.30%	(322,965)	3,646,804	1,802,587	43.99	40,977	0.80
	Waterwheels, Turbines & Generators	1,142,619	LIFESPAN	55.75	-0.80%	(9,141)	437,280	714,480	43.49	16,429	1.44
	Accessory Electric Equipment	343,414		53.67	-1.40%	(4,808)	125,762	222,460	42.07	5,288	1.54
	Roads, Railroads & Bridges	199,204		73.98	-0.20%	(398)	141,826	57,776	44.48	1,299	0.65
000.00	Total Skookumchuck	7,915,605		68.52	-4.61%	(364,911)	4,927,394	3,353,122	43.85	76,628	0.97
	TOTAL HYDRAULIC PRODUCTION	456,556,673		61.72	-7.32%	(33,421,686)	198,114,042	291,864,318	30.62	11,858,043	2.60
	<u></u>			0=		(00,121,000)		201,001,010	=	11,000,010	2.00
	OTHER PRODUCTION PLANT HERMISTON PLANT										
341.00	Structures & Improvements	12,450,972	LIFESPAN	34.72	-1.37%	(170,578)	1,795,664	10,825,886	29.00	373,306	3.00
342.00	Fuel Holders, Prod. & Access.	3,088,744	LIFESPAN	32.52	-1.37%	(42,316)	292,390	2,838,670	29.00	97,885	3.17
343.00	Prime Movers	93,714,746	LIFESPAN	35.47	-1.37%	(1,283,892)	14,968,801	80,029,837	29.00	2,759,650	2.94
344.00	Generators	38,055,298	LIFESPAN	35.50	-1.37%	(521,358)	6,101,565	32,475,091	29.00	1,119,831	2.94
345.00	Accessory Electric Equipment	9,058,999	LIFESPAN	35.50	-1.37%	(124,108)	1,452,467	7,730,640	29.00	266,574	2.94
346.00	Misc. Power Plant Equipment	497,343	LIFESPAN	35.50	-1.37%	(6,814)	79,741	424,416	29.00	14,635	2.94
	Total Hermiston Plant	156,866,102		35.36	-1.37%	(2,149,066)	24,690,628	134,324,540	29.00	4,631,881	2.95
	LITTLE MOUNTAIN										
	Structures & Improvements	204,044	LIFESPAN	32.16	-3.00%	(6,121)	185,523	24,642	4.00	6,161	3.02
	Fuel Holders, Prod. & Access.	121,339	LIFESPAN	36.39	-3.00%	(3,640)	112,347	12,632	4.00	3,158	2.60
	Prime Movers	1,275,280	LIFESPAN	29.32	-3.00%	(38,258)	1,141,877	171,661	4.00	42,915	3.37
	Generators	2,344,391	LIFESPAN	26.69	-3.00%	(70,332)	2,063,066	351,657	4.00	87,914	3.75
	Accessory Electric Equipment	215,456	LIFESPAN	30.11	-3.00%	(6,464)	193,803	28,117	4.00	7,029	3.26
346.00	Misc. Power Plant Equipment	37,440	LIFESPAN	34.45	-3.00%	(1,123)	34,398	4,165	4.00	1,041	2.78
	Total Little Mountain Plant	4,197,950		28.28	-3.00%	(125,939)	3,731,014	592,875	4.00	148,219	3.53
	SOLAR GENERATING										
344.00	Generators - Utah	36,389	SQ	15.00	0.00%	-	7,928	28,461	6.50	4,379	12.03
344.00	Generators - Oregon	56,322	SQ	15.00	0.00%	-	22,957	33,365	7.50	4,449	7.90
344.00	Generators - Green River	55,087	SQ	15.00	0.00%	-	12,002	43,085	6.56	6,568	11.92
	Subtotal Solar Generating	147,798		15.00	0.00%	-	42,887	104,911	6.90	15,395	
	Ŭ						·	·	-		
344.00	Generators - Wyoming Wind	40,459,703	SQ	25.00	-0.73%	(295,356)	4,727,335	36,027,724	20.50	1,757,450	4.34
	Total Other Production Plant	201,671,553		33.12	-1.27%	(2,570,360)	33,191,864	171,050,049	26.76	6,552,944	3.25
		· · ·					· · · · · · · · · · · · · · · · · · ·	· · · · · ·	=	•	:
344.00	Gadsby Peaking Units 4-6	78,000,000		25.00	-1.38%	(1,076,400)	-	79,076,400	25.00	3,163,056	4.06

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account Number	[2] Description	[3] 3/31/2002 Balance	[4] IOWA CURVE	[5] Average _ Life	[6] NET S Percent	[7] ALVAGE Amount	[8] 3/31/2002 Book Basarya	[9] Net Plant	[10] Rem. Life	[11] Annual Amount	[12] Deprec.
Number	Description	Balance\$	CORVE	Yrs	%	\$	Book Reserve \$	s	Yrs	Amount \$	<u>Rate</u> %
		¢		TIS	70	φ	Þ	Þ	trs	Þ	70
	TRANSMISSION PLANT										
350.20	Land Rights	54,876,243	R5	70.00	0.00%	-	19,001,030	35,875,213	46.59	770,020	1.40
	Structures & Improvements	45,197,864	R2	65.00	-10.00%	(4,519,786)	12,201,540	37,516,110	49.60	756,373	1.67
353.00	•	718,061,371	R1.5	58.00	-5.00%	(35,903,069)	177,441,080	576,523,360	44.82	12,863,083	1.79
353.70		40,342,241	R1	20.00	-5.00%	(2,017,112)	15,498,157	26,861,196	12.93	2,077,432	5.15
	Towers & Fixtures	346,136,577	S6	60.00	-30.00%	(103,840,973)	162,474,358	287,503,192	39.08	7,356,786	2.13
	Poles & Fixtures	424,474,180	R3	50.00	-30.00%	(127,342,254)	168,514,555	383,301,879	35.26	10,870,728	2.56
	OH Conductors & Devices	540,424,061	R5	60.00	-30.00%	(162,127,218)	244,365,996	458,185,283	39.85	11,497,749	2.13
	Clearing	30,346,133	R5	70.00	0.00%	-	12,273,199	18,072,934	42.66	423,651	1.40
	UG Conduit	2.363.978	R2	60.00	-90.00%	(2,127,580)	449.546	4,042,012	54.20	74.576	3.15
	UG Conductors & Devices	3,913,828	R2	50.00	-20.00%	(782,766)	831,087	3,865,507	41.46	93,235	2.38
	Roads & Trails	10,989,661	R5	70.00	0.00%	(. 02,: 00)	2,022,345	8,967,316	57.56	155,791	1.42
000.00	Total Transmission Plant	2,217,126,137	110	57.23	-19.79%	(438,660,758)	815,072,893	1,840,714,002	40.48	46,939,422	2.12
				01120		(100,000,100)	010,012,000	.,010,11,002		10,000,122	
	DISTRIBUTION PLANT (UTAH and IDAHO)										
360.20	Land Rights	7,005,407	R5	52.00	0.00%	-	1,599,055	5,406,352	42.41	127,478	1.82
361.00	Structures & Improvements	13,577,850	R3	55.00	-10.00%	(1,357,785)	4,060,799	10,874,836	42.92	253,375	1.87
	Station Equipment	227,368,542	R0.5	55.00	-5.00%	(11,368,427)	38,899,088	199,837,881	47.76	4,184,210	1.84
	Supervisory & Alarm Equipment	8,340,449	R5	15.00	0.00%	-	6,168,336	2,172,113	6.04	359,621	4.31
	Poles, Towers & Fixtures	251,768,791	R1.5	42.00	-75.00%	(188,826,593)	137,133,242	303,462,142	31.44	9,652,104	3.83
	OH Conductors & Devices	171,472,676	R2	40.00	-20.00%	(34,294,535)	72,184,640	133,582,571	28.67	4,659,315	2.72
	UG Conduit	114,269,663	R2	60.00	-50.00%	(57,134,832)	36,548,016	134,856,479	49.67	2,715,049	2.38
367.00	UG Conductors & Devices	315,989,106	R2	50.00	-15.00%	(47,398,366)	92,573,048	270,814,424	39.71	6,819,804	2.16
368.00	Line Transformers	302,273,675	R1	40.00	0.00%	-	90,755,832	211,517,843	30.30	6,980,787	2.31
369.00	Services	113,341,066	S5	50.00	-20.00%	(22,668,213)	35,603,417	100,405,862	39.43	2.546.433	2.25
	Meters	87,514,462	R0.5	27.00	0.00%		32,688,612	54,825,850	18.85	2,908,533	3.32
371.00	I.O.C.P.	4,706,112	L1	20.00	-10.00%	(470,611)	2,666,175	2,510,548	11.68	214,944	4.57
372.00	Leased Property on Customers' Premises	49,658	LO	25.00	0.00%	-	36,614	13,044	10.10	1,291	2.60
	Street Lighting & Signal Systems	22,155,687	R0.5	20.00	-30.00%	(6,646,706)	12,295,508	16,506,885	13.10	1,260,068	5.69
	Total Utah and Idaho Distribution Plant	1,639,833,144		45.43	-22.57%	(370,166,068)	563,212,382	1,446,786,830	35.65	42,683,013	2.60
						(0.0,000,000)	,,	.,,,		,,	
	DISTRIBUTION PLANT (OREGON)										
360.20	Land Rights	3,556,253	S4	55.00	0.00%	-	1,895,644	1,660,609	27.47	60,452	1.70
361.00	Structures & Improvements	10,867,743	R2	60.00	-10.00%	(1,086,774)	2,336,912	9,617,605	48.36	198,875	1.83
362.00	Station Equipment	144,719,084	S0.5	55.00	-30.00%	(43,415,725)	52,625,615	135,509,194	41.58	3,258,999	2.25
362.70		3,071,319	L4	20.00	0.00%	-	1,794,988	1,276,331	10.25	124,520	4.05
364.00	Poles, Towers & Fixtures	245,988,097	R0.5	40.00	-90.00%	(221,389,287)	132,238,245	335,139,139	31.46	10,652,865	4.33
	OH Conductors & Devices	192,628,003	R0.5	45.00	-50.00%	(96,314,002)	82,557,665	206,384,340	34.89	5,915,286	3.07
	UG Conduit	63,050,759	R5	53.00	-40.00%	(25,220,304)	15,862,055	72,409,008	41.37	1,750,278	2.78
	UG Conductors & Devices	106,484,060	R1.5	48.00	-15.00%	(15,972,609)	29,915,980	92,540,689	38.44	2,407,406	2.26
	Line Transformers	299,068,104	R1	38.00	0.00%	-	81,603,810	217,464,294	27.71	7,847,863	2.62
	Overhead Services	48,305,407	R1.5	50.00	0.00%	-	11,983,739	36,321,668	37.69	963,695	2.00
	Underground Services	83,849,378	R2.5	54.00	0.00%	-	16,954,448	66,894,930	44.87	1,490,861	1.78
370.00	-	56,004,340	R1	27.00	2.00%	1,120,087	19,772,319	35,111,934	17.54	2,001,821	3.57
	I.O.C.P.	2,474,569	LO	20.00	-5.00%	(123,728)	1,446,538	1,151,759	11.80	97,607	3.94
	Street Lighting & Signal Systems	15,643,963	S5	40.00	-15.00%	(2,346,594)	4,645,335	13,345,222	30.89	432,024	2.76
0.000	Total Oregon Distribution Plant	1,275,711,079	0.0	44.15	-31.73%	(404,748,937)	455,633,293	1,224,826,723	33.86	37,202,553	2.92
		.,,			00/0_	(10.,10,007)	,000,200	.,,020,720		0.,202,000	

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average _		[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	DISTRIBUTION PLANT (WASHINGTON)										
360.20	Land Rights	297,931	R4	50.00	0.00%	-	157,918	140,013	25.40	5,512	1.85
361.00	Structures & Improvements	1,436,264	R2	55.00	-5.00%	(71,813)	402,927	1,105,150	41.36	26,720	1.86
362.00	Station Equipment	38,814,887	R1.5	50.00	-25.00%	(9,703,722)	12,356,829	36,161,780	38.18	947,139	2.44
362.70	Supervisory & Alarm Equipment	531,955	R5	18.00	0.00%	-	380,789	151,166	6.04	25,027	4.70
364.00	Poles, Towers & Fixtures	64,849,471	R1.5	50.00	-165.00%	(107,001,627)	36,991,251	134,859,847	40.01	3,370,654	5.20
365.00	OH Conductors & Devices	47,156,970	R1	55.00	-40.00%	(18,862,788)	16,446,611	49,573,147	43.13	1,149,389	2.44
366.00	UG Conduit	10,962,148	S1	60.00	-20.00%	(2,192,430)	3,655,957	9,498,621	49.96	190,125	1.73
367.00	UG Conductors & Devices	12,584,077	R2.5	45.00	-10.00%	(1,258,408)	3,589,064	10,253,421	34.17	300,071	2.38
368.00	Line Transformers	70,289,830	R2	45.00	0.00%	-	21,724,883	48,564,947	32.09	1,513,398	2.15
369.10	Overhead Services	12,026,482	R1.5	50.00	-10.00%	(1,202,648)	3,873,753	9,355,377	36.41	256,945	2.14
369.20	Underground Services	17,372,275	R3	55.00	-10.00%	(1,737,228)	3,683,265	15,426,238	45.16	341,591	1.97
370.00	Meters	13,519,708	R1	27.00	0.00%	-	5,588,748	7,930,960	16.64	476,620	3.53
371.00	I.O.C.P.	550,504	LO	30.00	-15.00%	(82,576)	267,587	365,493	18.23	20,049	3.64
373.00	Street Lighting & Signal Systems	3,029,112	S0	35.00	-15.00%	(454,367)	1,238,450	2,245,029	23.45	95,737	3.16
	Total Washington Distribution Plant	293,421,614		48.78	-48.59%	(142,567,606)	110,358,032	325,631,188	37.29	8,718,977	2.97
	DISTRIBUTION PLANT (WYOMING)										
360.20	Land Rights	3,261,003	R5	50.00	0.00%	-	1,222,738	2,038,265	34.35	59,338	1.82
	Structures & Improvements	5,404,782	R2.5	45.00	-10.00%	(540,478)	1,883,787	4,061,473	33.10	122,703	2.27
	Station Equipment	87,318,158	S5	45.00	-5.00%	(4,365,908)	21,796,784	69,887,282	36.07	1,937,546	2.22
	Supervisory & Alarm Equipment	2,571,030	R4	20.00	0.00%	-	1,627,077	943,953	9.43	100,101	3.89
364.00	Poles, Towers & Fixtures	73,515,451	R1	45.00	-105.00%	(77,191,224)	39,559,440	111,147,235	35.14	3,162,983	4.30
365.00	OH Conductors & Devices	73,653,722	R1	50.00	-35.00%	(25,778,803)	27,845,362	71,587,163	38.31	1,868,629	2.54
366.00	UG Conduit	10,174,832	R3	50.00	-35.00%	(3,561,191)	3,804,051	9,931,972	38.44	258,376	2.54
367.00	UG Conductors & Devices	30,766,460	R4	40.00	-10.00%	(3,076,646)	12,748,046	21,095,060	27.42	769,331	2.50
368.00	Line Transformers	58,727,665	R1.5	40.00	-5.00%	(2,936,383)	21,751,199	39,912,849	28.22	1,414,346	2.41
369.10	Overhead Services	8,913,878	S5	55.00	-25.00%	(2,228,470)	2,852,065	8,290,283	43.25	191,683	2.15
369.20	Underground Services	12,134,795	R2	50.00	-25.00%	(3,033,699)	4,130,065	11,038,429	38.63	285,748	2.35
370.00	Meters	13,694,800	R1	27.00	0.00%	-	6,237,531	7,457,269	16.73	445,742	3.25
371.00	I.O.C.P.	876,749	L0	25.00	-10.00%	(87,675)	438,032	526,392	15.52	33,917	3.87
373.00	Street Lighting & Signal Systems	7,202,911	S5	45.00	-30.00%	(2,160,873)	2,561,422	6,802,362	34.72	195,921	2.72
	Total Wyoming Distribution Plant	388,216,236		44.51	-32.19%	(124,961,349)	148,457,599	364,719,986	33.77	10,846,364	2.79

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA	[5] Average	[6] NET S	[7] ALVAGE	[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance	CURVE	Life	Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	DISTRIBUTION PLANT (CALIFORNIA)										
360.20	Land Rights	913,753	R4	55.00	0.00%	-	584,429	329,324	23.21	14,189	1.55
	Structures & Improvements	1,412,956	R3	50.00	-5.00%	(70,648)	442,169	1,041,435	36.53	28,509	2.02
	Station Equipment	11,424,100	R1	55.00	-20.00%	(2,284,820)	3,893,789	9,815,131	40.88	240,096	2.10
	Supervisory & Alarm Equipment	228,547	R5	20.00	0.00%	-	139,187	89,360	8.99	9,940	4.35
	Poles, Towers & Fixtures	37,029,241	R1.5	50.00	-90.00%	(33,326,317)	18,152,134	52,203,424	38.34	1,361,592	3.68
365.00	OH Conductors & Devices	29,395,984	S5	60.00	-55.00%	(16,167,791)	9,822,280	35,741,495	48.31	739,836	2.52
366.00	UG Conduit	13,371,833	R2	50.00	-30.00%	(4,011,550)	4,146,813	13,236,570	39.22	337,495	2.52
367.00	UG Conductors & Devices	14,058,060	R2	45.00	0.00%	-	3,882,828	10,175,232	33.77	301,310	2.14
368.00	Line Transformers	36,703,492	S1.5	45.00	-5.00%	(1,835,175)	13,934,850	24,603,817	30.30	812,007	2.21
369.10	Overhead Services	6,203,533	R1	45.00	-5.00%	(310,177)	1,514,991	4,998,719	35.54	140,650	2.27
369.20	Underground Services	9,085,723	R2.5	55.00	-5.00%	(454,286)	1,842,841	7,697,168	45.40	169,541	1.87
370.00	Meters	3,987,971	R1	27.00	0.00%	-	1,530,161	2,457,810	17.64	139,332	3.49
371.00	I.O.C.P.	265,976	L0	25.00	-30.00%	(79,793)	158,444	187,325	14.65	12,787	4.81
373.00	Street Lighting & Signal Systems	635,211	S0	30.00	-35.00%	(222,324)	405,897	451,638	17.17	26,304	4.14
	Total California Distribution Plant	164,716,380		49.99	-35.68%	(58,762,880)	60,450,813	163,028,447	37.71	4,333,588	2.63
	Total Distribution Plant	3,761,898,453		45.36	-29.27%	(1,101,206,840)	1,338,112,119	3,524,993,174	35.07	103,784,496	2.76
	GENERAL PLANT (OREGON)										
300.00	Structures & Improvements	54,667,013	L1	45.00	2.00%	1,093,340	5,262,831	48,310,842	38.16	1.266.007	2.32
	Mainframe Computers	5,191,953	L2	43.00 5.00	0.00%	1,095,540	2,138,654	3,053,299	2.19	1,394,200	26.85
	Transp. Eqpt - Light Trucks & Vans	6,540,343	L1.5	13.00	10.00%	654,034	1,806,125	4,080,184	8.76	465,774	7.12
	Transp. Eqpt - Medium Trucks	5,896,919	L3	16.00	10.00%	589,692	1,585,660	3,721,567	9.49	392,157	6.65
	Transp. Eqpt - Trailers	2,251,593	R2	39.00	20.00%	450,319	372,071	1,429,203	29.00	49,283	2.19
	Light Power Operated Equipment	4,594,980	S3	10.00	37.00%	1,700,143	825,259	2,069,578	6.24	331,663	7.22
	Heavy Power Operated Equipment	17,473,430	R1.5	15.00	35.00%	6,115,701	3,363,988	7,993,742	9.38	852,211	4.88
	Communication Equipment	89,086,567	R1	20.00	-5.00%	(4,454,328)	25,115,972	68,424,923	14.11	4,849,392	5.44
	Total Oregon General Plant	185,702,798		26.08	3.31%	6,148,900	40,470,560	139,083,338	20.06	9,600,688	5.17
	GENERAL PLANT (WASHINGTON)		5.0			(0.0.(0.(50)					
	Structures & Improvements	9,367,185	R3	35.00	-30.00%	(2,810,156)	2,561,823	9,615,518	27.00	356,130	3.80
	Transp. Eqpt - Light Trucks & Vans	1,424,268	S2	12.00	20.00%	284,854	476,121	663,293	6.55	101,266	7.11
	Transp. Eqpt - Medium Trucks	1,549,830	L3	13.00	10.00%	154,983	552,497	842,350	7.40	113,831	7.34
	Transp. Eqpt - Trailers	399,012	S0.5	33.00	15.00%	59,852	96,568	242,592	22.79	10,645	2.67
	Light Power Operated Equipment	1,341,175	R4	10.00	15.00%	201,176	405,721	734,278	6.13	119,784	8.93
	Heavy Power Operated Equipment	4,506,343	S0.5	12.00	20.00%	901,269	1,597,573	2,007,501	6.22	322,749	7.16
397.00	Communication Equipment	11,276,705	R1.5	20.00	-1.00%	(112,767)	4,017,472	7,372,000	12.33	597,891	5.30
	Total Washington General Plant	29,864,518		22.48	-4.42%	(1,320,789)	9,707,775	21,477,532	15.34	1,622,297	5.43

Remaining Life Depreciation Rates

OREGON STIPULATION

[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
Account Number	Description	3/31/2002 Balance	IOWA CURVE	Average _ Life	Percent	ALVAGE Amount	3/31/2002 Book Reserve	Net Plant	Rem. Life	Annual Amount	Deprec. Rate
Humber	Description	\$	OUNTE	Yrs	<u>%</u>	\$	¢	\$	Yrs	\$	%
		Φ		115	70	φ	Φ	Φ	115	Φ	70
	GENERAL PLANT (UTAH and IDAHO)										
389.20	Land Rights	40,166	R1	40.00	0.00%	-	18,675	21,491	22.71	946	2.36
390.00	Structures & Improvements	84,525,219	R1	40.00	0.00%	-	23,478,724	61,046,495	29.67	2,057,516	2.43
392.01	Transp. Eqpt - Light Trucks & Vans	17,217,305	S2	12.00	15.00%	2,582,596	6,700,576	7,934,133	6.89	1,151,543	6.69
392.05	Transp. Eqpt - Medium Trucks	17,776,087	S1	15.00	10.00%	1,777,609	7,632,982	8,365,496	8.35	1,001,856	5.64
392.09	Transp. Eqpt - Trailers	6,788,835	R2.5	28.00	25.00%	1,697,209	2,504,197	2,587,429	15.19	170,338	2.51
396.03	Light Power Operated Equipment	3,393,513	R3	10.00	0.00%	-	1,360,756	2,032,757	6.27	324,204	9.55
396.07	Heavy Power Operated Equipment	38,318,148	S5	13.00	20.00%	7,663,630	13,952,727	16,701,791	7.50	2,226,906	5.81
397.00	Communication Equipment	62,724,755	S0.5	20.00	0.00%	-	26,524,576	36,200,179	12.14	2,981,893	4.75
	Total Utah and Idaho General Plant	230,784,028		25.27	5.95%	13,721,043	82,173,213	134,889,772	17.11	9,915,201	4.30
	GENERAL PLANT (WYOMING)										
	Structures & Improvements	5,048,163	R3	40.00	-5.00%	(252,408)	1,927,556	3,373,015	25.92	130,132	2.58
392.01	Transp. Eqpt - Light Trucks & Vans	3,595,416	L2	15.00	10.00%	359,542	1,200,422	2,035,452	9.61	211,806	5.89
392.05		3,535,204	S2	20.00	5.00%	176,760	1,141,267	2,217,177	13.42	165,214	4.67
	Transp. Eqpt - Trailers	1,960,551	R3	30.00	0.00%	-	730,634	1,229,917	19.18	64,125	3.27
	Light Power Operated Equipment	1,251,468	R4	10.00	20.00%	250,294	421,059	580,115	5.93	97,827	7.82
	Heavy Power Operated Equipment	16,338,218	S0.5	15.00	40.00%	6,535,287	3,534,112	6,268,819	9.76	642,297	3.93
397.00	Communication Equipment	22,750,238	R2	20.00	0.00%	-	10,643,542	12,106,696	10.94	1,106,645	4.86
	Total Wyoming General Plant	54,479,258		20.15	12.98%	7,069,474	19,598,592	27,811,192	12.23	2,418,046	4.44
	GENERAL PLANT (CALIFORNIA)		5.0		10.000/	(1.1.001)					
	Structures & Improvements	1,413,007	R2	45.00	-10.00%	(141,301)	529,626	1,024,682	32.64	31,393	2.22
392.01	Transp. Eqpt - Light Trucks & Vans	484,884	S4	11.00	20.00%	96,977	169,917	217,990	7.12	30,617	6.31
392.05		371,287	S2	15.00	10.00%	37,129	165,655	168,503	9.01	18,702	5.04
392.09	1 11	276,975	S3	40.00	0.00%	-	85,014	191,961	30.10	6,377	2.30
396.03	5	622,215	S6	10.00	30.00%	186,665	210,333	225,218	6.11	36,860	5.92
396.07		1,568,446	R4	10.00	25.00%	392,112	1,012,195	164,140	3.06	53,640	3.42
397.00	Communication Equipment	4,051,701	R1	20.00	5.00%	202,585	1,651,630	2,197,486	13.08	168,004	4.15
	Total California General Plant	8,788,515		21.45	8.81%	774,166	3,824,370	4,189,979	13.98	345,594	3.93

Remaining Life Depreciation Rates

OREGON STIPULATION

[1] Account	[2]	[3] 3/31/2002	[4] IOWA CURVE	[5] Average Life	[6] [7] NET SALVAGE		[8] 3/31/2002	[9] Net	[10] Rem.	[11] Annual	[12] Deprec.
Number	Description	Balance			Percent	Amount	Book Reserve	Plant	Life	Amount	Rate
		\$		Yrs	%	\$	\$	\$	Yrs	\$	%
	<u>GENERAL PLANT (MONTANA)</u>										
390.00	Structures & Improvements	339,714	R1	40.00	0.00%	-	105,717	233,997	29.57	7,913	2.33
392.01	Transp. Eqpt - Light Trucks & Vans	1,685	S2	12.00	15.00%	253	213	1,219	10.50	116	6.89
396.07	Heavy Power Operated Equipment	15,167	S5	13.00	20.00%	3,033	1,157	10,977	11.96	918	6.05
397.00	Communication Equipment	2,325,257	S0.5	20.00	0.00%	-	1,459,500	865,757	9.48	91,325	3.93
	Total Montana General Plant	2,681,823		22.49	0.12%	3,286	1,566,587	1,111,950	12.04	100,272	3.74
	Total General Plant	512,300,940		24.78	5.15%	26,396,080	157,341,097	328,563,763	17.48	24,002,098	4.69
	MINING OPERATIONS (UTAH)										
399.30	Structures & Improvements	11,578,532	FCST	23.83	0.00%	-	10,066,420	1,512,112	5.00	302,422	2.61
399.30	Structures & Improvements - Wash Plant	23,257,688	FCST	29.98	0.00%	-	9,411,682	13,846,006	19.00	728,737	3.13
399.45	Underground Equipment	101,735,762	L2	11.00	2.00%	2,034,715	57,706,213	41,994,834	5.45	7,705,474	7.57
399.45	Underground Equipment - Wash Plant	8,072,093	FCST	29.31	0.00%	-	3,136,145	4,935,948	19.00	259,787	3.22
399.51	Vehicles	1,339,817	S1.5	15.00	5.00%	66,991	654,200	618,626	8.14	75,998	5.67
399.52	Heavy Construction Equipment	3,291,355	R3	20.00	1.00%	32,914	1,549,200	1,709,241	11.54	148,115	4.50
399.60	Miscellaneous Equipment	2,509,778	S0.5	13.00	0.00%	-	1,398,481	1,111,297	6.55	169,664	6.76
399.61	Computer Equipment	1,854,039	R4	10.00	0.00%	-	1,336,997	517,042	3.58	144,425	7.79
399.70	Mine Development	21,891,815	FCST	18.20	0.00%	-	17,514,290	4,377,525	4.55	962,093	4.39
	Total Utah Mining	175,530,879		16.32	1.22%	2,134,620	102,773,628	70,622,631	7.86	10,496,715	5.98
	TOTAL ELECTRIC PLANT	11,462,508,034		44.29	-15.10%	(1,730,724,301)	4,590,443,974	8,581,362,926	28.79	331,227,502	2.89

1	Q.	PLEASE STATE YOUR NAME, OCCUPATION, AND BUSINESS ADDRESS.
2	A.	My name is Roger White. I am a Senior Cost Analyst for the Public Utility Commission
3		of Oregon. My business address is 550 Capitol Street NE Suite 215, Salem, Oregon
4		97301-2551.
5	Q.	PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND WORK
6		EXPERIENCE.
7	A.	My Witness Qualification Statement is found in Exhibit Staff/4.
8	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY?
9	A.	The purpose of my testimony is to sponsor a stipulated agreement reached between
10		staff and PacifiCorp, in the matter of setting appropriate depreciation rates for allocating
11		depreciation expense of PaciCorp's Oregon assets and of PaciCorp's assets located in
12		other states and allocated to Oregon.
13	Q.	DO YOU HAVE ANY EXHIBITS FOR THIS DOCKET?
14	A.	Yes. I have attached two exhibits. The first, labeled Staff/2, is a copy of the Stipulation.
15		The second, labeled Staff/3, is a copy of Schedule 1 that will be filed with the
16		Stipulation. Schedule 1 provides the details of the agreement for each of the accounts.
17	Q.	HOW IS YOUR TESTIMONY ORGANIZED?
18	A.	My testimony is organized as follows:
19 20 21		BACKGROUND

1 BACKGROUND 2 Q. WHAT PRECIPITATED THIS PROCEEDING? 3 A. On October 1, 2002, PacifiCorp filed an Application for an Order Approving a Change in 4 Depreciation Rates for its Oregon electric operations. 5 Q. PLEASE DESCRIBE THE SCOPE OF THE STUDY SUBMITTED BY PACIFICORP. 6 A. PacifiCorp's study updated 578 depreciation rates and encompassed all of the major 7 categories of plant: Production, Transmission, General, and Distribution plant.¹ 8 The Production plant category consists of steam and hydraulic power 9 generation facilities located at 81 different sites distributed among the states² served by 10 PacifiCorp. The power generated by the production plant is not state specific; that is, 11 the power generated in Oregon could be consumed in Washington or one of the other 12 states PacifiCorp serves. Likewise, Transmission plant is also not state specific. Transmission plant consists of the high voltage³ facilities linking the power generation 13 plant and the distribution hubs.⁴ The depreciation expense for Production and 14 Transmission plant is allocated to the states based on a number of different allocation 15 16 rules. The General plant category, consisting of support equipment, such as 17 communications equipment or furniture, has some accounts that are allocated and 18 others that are state specific. The final general category, Distribution plant, is state 19 specific. This consists of the local facilities that distribute power to the end users.

¹ Below each general category of plant is the corresponding Federal Energy Regulatory Commission (FERC) electric plant accounts and in some cases the sub-accounts.

² California, Idaho, Oregon, Utah, Washington, Wyoming.

³ The high voltages associated with Transmission are usually in excess of 100,000 Volts (100 KV).

⁴ The transition point between Transmission and Distribution is a substation made up of transformers that reduce the voltage to a level that can be distributed to the end-users or the remote transformers located near the end-users.

1 Q. BASED ON THE STUDY ORIGINALLY FILED, WOULD PACIFICORP HAVE AN 2 **INCREASE OR DECREASE IN ITS OREGON-ALLOCATED DEPRECIATION EXPENSE?** 3 4 A. As filed, PacifiCorp's annual Oregon-allocated depreciation expenses would have 5 decreased by \$4.4M. PacifiCorp's current annual depreciation expenses are \$115.1M 6 based on March 31, 2002 plant balances. PacifiCorp's proposed rates would decrease 7 its annual depreciation to \$110.7M. The company requested an April 1, 2002 effective 8 date. 9 Q. IF THE COMMISSION ADOPTED THE STIPULATION, WHAT IS THE IMPACT ON 10 PACIFICORP'S DEPRECIATION EXPENSES? 11 If adopted, the stipulated rates would decrease PacifiCorp's annual depreciation Α. 12 expense by \$12.7M, from \$115.1M to \$102.4M. The stipulated effective date is April 1, 13 2003, instead of April 1, 2002 as originally requested. 14 Q. BETWEEN THE ORIGINALLY FILED STUDY AND THE STIPULATION, THE 15 EFFECTIVE DATE HAS CHANGED FROM APRIL 1. 2002 TO APRIL 1. 2003. PLEASE EXPLAIN. 16 17 A. PacifiCorp's Oregon depreciation filing is just one of several state depreciation filings 18 that the company made in the same general time-period. I am aware of studies that 19 were filed in Idaho, Utah, Washington, and Wyoming. PacifiCorp requested the change 20 in effective date to allow PacifiCorp a single implementation date for all states. Allowing 21 a single implementation date is reasonable, especially for Production and Transmission 22 plant, since it significantly reduces the complexity in developing and allocating 23 depreciation expense.

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Q. WHY IS A SINGLE IMPLEMENTATION DATE PARTICULARLY SIGNIFICANT FOR PRODUCTION AND TRANSMISSION PLANT?

3 A. Production and Transmission plant, although located in a specific state, are shared to 4 some extent among all the states. For example, a generating facility may be located in Oregon, but its end-user, who consumes the power, may be located in Oregon or other states. The cost therefore should not be allocated strictly to Oregon, where the facility is 7 located; it should be allocated to all of the states where the end-users are located. For 8 these types of plant, the ideal situation is to have a standard set of depreciation rates agreed to by all states with the same effective date.

10 Q. ARE THE RATES FOR PRODUCTION AND TRANSMISSION PLANT IN THE 11 STIPULATION THE SAME AS THOSE PROPOSED IN ANY OTHER STATE 12 SERVED BY PACIFICORP?

13 A. Yes. The rates proposed for adoption in Oregon for the various categories of Production 14 and Transmission plant are the same as the rates adopted by the Utah Commission.

15 Q. WHY SHOULD UTAH BE ALLOWED TO SET THE PRODUCTION AND 16 **TRANSMISSION RATES FOR OREGON?**

17 A. Early in the review process, I contacted Commission staff members in each of the 18 states where PacifiCorp had filed a depreciation study, looking for other people with 19 whom I could team with to review the extensive PacifiCorp study. The Utah staff, for a 20 number of reasons, seemed to be the single best group with which to team. Among the 21 reasons are the following: the Utah and Oregon staff have a history of cooperation in 22 other depreciation studies, the Utah and Oregon depreciation expenses are

> APPENDIX B **PAGE 6 OF 14**

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comparable, and the Utah staff was working with an outside consultant hired by the Utah Committee of Consumer Services (UCCS), a consumer advocate group.

3 Q. WHAT WAS THE ANNUAL IMPACT TO OREGON OF PACIFICORP'S PROPOSED 4 RATE CHANGES FOR PRODUCTION AND TRANSMISSION AND HOW WAS THAT CHANGE IMPACTED BY THE UTAH STIPULATION?

6 A. PacifiCorp was proposing for Oregon a \$6.15M increase in depreciation expense for 7 Production and a \$950K increase for Transmission. The Utah stipulation reduced the 8 increase in depreciation expense for Production to \$2.17M and the increase in 9 Transmission depreciation expense to \$544K. The depreciation expense for both 10 categories of plant increased, but the increase was \$4.39M less than the amount originally requested.

12 Q. WHAT MODIFICATIONS WERE MADE TO THE ORIGINALLY FILED 13 PRODUCTION AND TRANSMISSION STUDIES TO ARRIVE AT THE 14 STIPULATED RATES?

- 15 A. The adjustments to the Production Plant category consisted of changes to the net salvage rates⁵ and the elimination of Water Rights (Account 310.30) as a depreciable 16 item⁶ for the Steam Production plant sub-category and the removal of the Naches 17 hydroelectric plant⁷, which is being sold, from the Hydroelectric Production plant study. 18 19 The adjustments to the Transmission Plant category consisted of a change in the salvage rate for Overhead Conductor and Devices (Account 356.0).⁸ 20
- 21

Q. WHAT ROLE DID YOU PLAY IN DEVELOPING THESE RATES?

⁵ Item 9 of the stipulation, "Steam Production Plant Terminal Net Salvage", addresses this change. ⁶ Item 12 of the stipulation, "Water Rights", addresses this change.

⁷ Item 11 of the stipulation, "Hydroelectric Plant Retirement Costs", addresses this change.

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A. I was not involved in the development of the rates for Production. For those rates, I relied completely on the Utah Commission staff and the consultant hired by UCCS. Although Production plant accounts for 34% of Oregon's depreciation expense, the plant lives, and therefore the rates, are generally not subject to change since they are driven by PacifiCorp's planning process. Further, Production facilities account for about 94% of the rates that need to be set. The combination of a large number of accounts and small variances around PacifiCorp's proposed values led me to concentrate on the remaining categories of plant.

In the case of Transmission plant, I conducted a full analysis of each of the accounts that make up this category and identified a set of Projection Lives, Iowa Curves, Salvage Rates and depreciation rates that should apply. I shared the results of this analysis with the Utah staff so we could jointly develop a set of standard rates that could be used by all the states involved in the depreciation study.

⁸ Item 10 of the stipulation, "Transmission and Distribution Plant Net Account Net Salvage", addresses this change.

\$ASQUM 1064 STAFF_TESTIMONY-APPX B1

ORDER NO. 03-457 Staff/1 White/9

DISTRIBUTION AND GENERAL PLANT

Q. WAS THE STUDY FILED BY PACIFICORP ADEQUATE FOR YOUR REVIEW?

A. Yes it was. The PacifiCorp study, which was conducted by Deloitte and Touche, contained all of the necessary data needed to review the basic calculations.

Q. DID YOU REVIEW ALL OF PACIFICORP'S DISTRIBUTION AND GENERAL PLANT ACCOUNTS FOR OREGON?

A. Yes.

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Q. WERE THE RESULTS OF YOUR ANALYSIS IN COMPLETE AGREEMENT WITH THE COMPANY'S PROPOSED LIFE AND SALVAGE FACTORS?

A. No. Initially we disagreed on eighteen of the twenty-two General and Distribution accounts. PacifiCorp originally proposed a \$12.67M dollar decrease in Distribution depreciation expense and a \$950K increase in General depreciation expense. My analysis indicated that Distribution depreciation expense should be decreased by \$19.39M and General distribution expense should be decreased by \$1.11M.

However, before the Settlement conference, PacifiCorp proposed a compromise reducing Distribution expense by \$13.58M and increasing General expense by \$479K. For General plant, this compromise consisted of maintaining their Projection Life for Communication Equipment (Account 397), while adopting all the other rates that staff had proposed. For Distribution, PacifiCorp's compromise consisted of maintaining their Curves and Projection lives for Accounts 362, 364, 365, 367, 368, 369.2 and 373⁹, adopting staff's salvage rates for these accounts, and adopting all of the other rates

 ⁹ Account identification: 362—Station Equipment, 364--Poles, Towers and Fixtures, 365—Overhead Conductors, 367—Underground Conductors, 368—Line Transformers, 369.2 – Underground Services, and 373—Street Lighting and Signal Systems.

that staff had recommended. These seven accounts, plus account 397, were addressed in the Settlement conference.

Q. WERE YOU ABLE TO RESOLVE YOUR DIFFERENCES WITH THE COMPANY

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FOR THESE EIGHT REMAINING ACCOUNTS?

A. Yes, we were able to resolve our differences and reach a compromise position. In general, the compromise was arrived at while staying within the range of Projection Lives and Iowa Curves suggested by the data provided with the study. The one exception was Communication Equipment (Account 397) where the nature of the equipment in the account suggested that the Projection Life should be shorter than the one suggested by the company data.

11 Q. WERE ALL OF THE PROJECTION LIVES THAT STAFF HAD RECOMMENDED TO

PACIFICORP ADOPTED?

A. No. There were seven accounts where the recommended rate was not adopted. For four of the accounts the PacifiCorp Projection Life was adopted; for the remaining three accounts, a compromise Projection Life was adopted. The following table summarizes the initial positions of staff and PacifiCorp and the agreed on values:

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	FOR ACCOUNTS WHERE THERE W	AS DISAGRE	EMENI	
Account	Name	Staff	PacifiCorp	Stipulated
Number		Lives	Lives	Lives
362.00	Station Equipment	56	50	55
364.00	Poles, Towers, Fixtures	44	38	40
365.00	Overhead Conductor Devices	49	45	45
367.00	Underground Conductor Devices	57	45	48
368.00	Line Transformers	39	38	38
369.20	Underground Services	54	45	54
373.00	Street Lighting and Signal Systems	48	40	40
397.00	Communications Equipment	34	20	20

A COMPARISON OF PROJECTION LIFE ESTIMATES FOR ACCOUNTS WHERE THERE WAS DISAGREEMENT

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Q. WHY DID YOU SETTLE ON THE STIPULATED LIVES?

A. With the exception of Account 397.00, Communications Equipment, all of the lives agreed to by PacifiCorp and Staff were supported by the study data. Although each side presented a single Projection life for each account, there is, in fact, a range of reasonable Projection Lives for each account. In some cases, this range is narrow; in other cases, the range is wide. Each of the values settled on, with the one noted exception, fell within a reasonable range of staff's suggested Projection Lives. The exact location within the range was established by the give and take of the settlement process.

Account 397.00 was an exception to the process. The projection life that we settled on was outside the range of values suggested by the data. The nature of the plant in this account, based on my experience with telecommunication equipment, suggested that the life should be much shorter than the 34 years implied by the data.¹⁰ PacifiCorp's arguments in the settlement conference and information exchanged prior to it, confirmed this belief.

¹⁰ The current general guidelines used by staff for telecommunications equipment indicate that transmission equipment and cable facilities should have lives of approximately ten and twenty-five year, respectively.

	ORDER NO. 03-457 Docket UM 1064 Staff/1 White/12
1	RECOMMENDATIONS
2	Q. WHAT ARE THE RATES, CURVES, PROJECTION LIVES, AND SALVAGE RATES
3	AGREED TO BY STAFF AND PACIFICORP?
4	A. Exhibit Staff/3 is a copy of Schedule 1 that will be attached to the Stipulation. Schedule
5	1 contains account-by-account details of the depreciation rates, the lowa Curves
6	(where applicable), the average lives, the remaining lives, and the salvage rates agreed
7	to by Staff and PacifiCorp.
8	Q. WHAT IS THE IMPACT OF RATE CHANGES AGREE TO BY STAFF AND
9	PACIFICORP?
10	A. The rate changes agreed to by staff and PacifiCorp will reduce PacifiCorp's annual
11	depreciation expense by approximately \$12.7 Million dollars.
12	Q. WHAT IS THE EFFECTIVE DATE FOR IMPLEMENTATION OF THE NEW RATES?
13	A. PacifiCorp and staff agree that the effective date should be April 1, 2003.
14	Q. DOES THIS STIPULATION FAIRLY TREAT PACIFICORP AND ITS CUSTOMERS?
15	A. Yes it does.
16	Q. WHAT IS YOUR RECOMMENDATION REGARDING THESE RATES?
17	A. I recommend that the Commission adopt the Stipulation and Schedule 1.
18	Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?
19	A. Yes.

WITNESS QUALIFICATIONS STATEMENT

NAME:	ROGER E. WHITE
EMPLOYER:	PUBLIC UTILITY COMMISSION OF OREGON
TITLE:	SENIOR TELECOMMUNICATION ANALYST
ADDRESS:	550 Capitol Street N.E., Suite 215 Salem, Oregon 97310-2551
EDUCATION AND TRAINING	Master of Business Administration—Finance, University of Washington, Seattle.
	Bachelor of Science—Mathematics, University of Washington, Seattle.
WORK EXPERIENCE	Employed by the Public Utility Commission of Oregon as a Senior Telecommunications Analyst since February 2002 and as a Telecommunication Analyst from January 2001 to February 2002.
	Held increasingly responsible positions with GTE Northwest, GTE North, GTE Headquarters in Stamford and GTE Telecom Headquarters in Dallas from March 1976 to December 2000. These positions were in the Network Planning, Marketing, Finance, and Regulatory Affairs departments.
	Work activities during this period covered operations research, forecasting, marketing research, pricing, benchmarking, and cost model development. From 1989 to 2000 the primary activity was developing and managing the development of cost models.