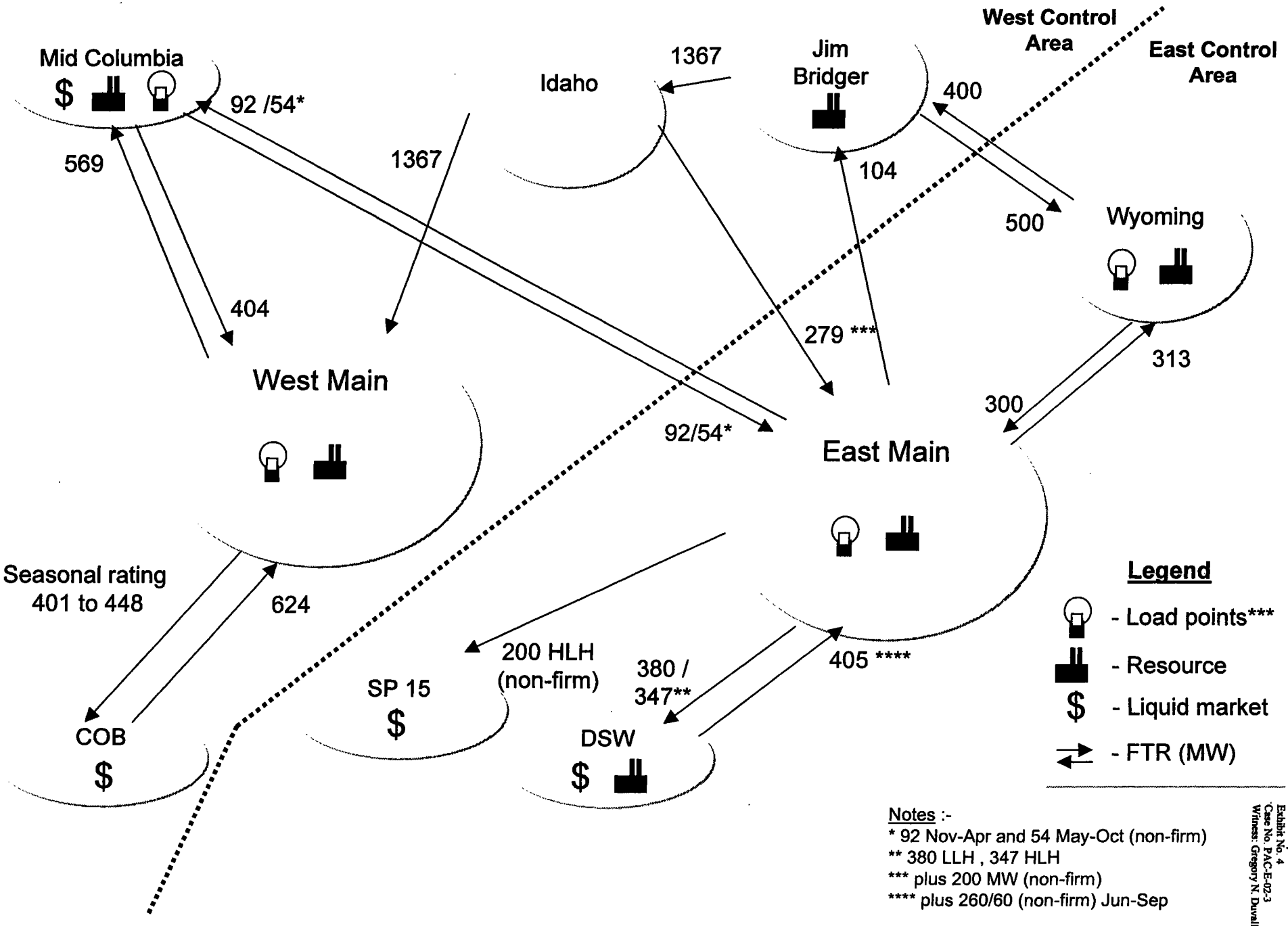
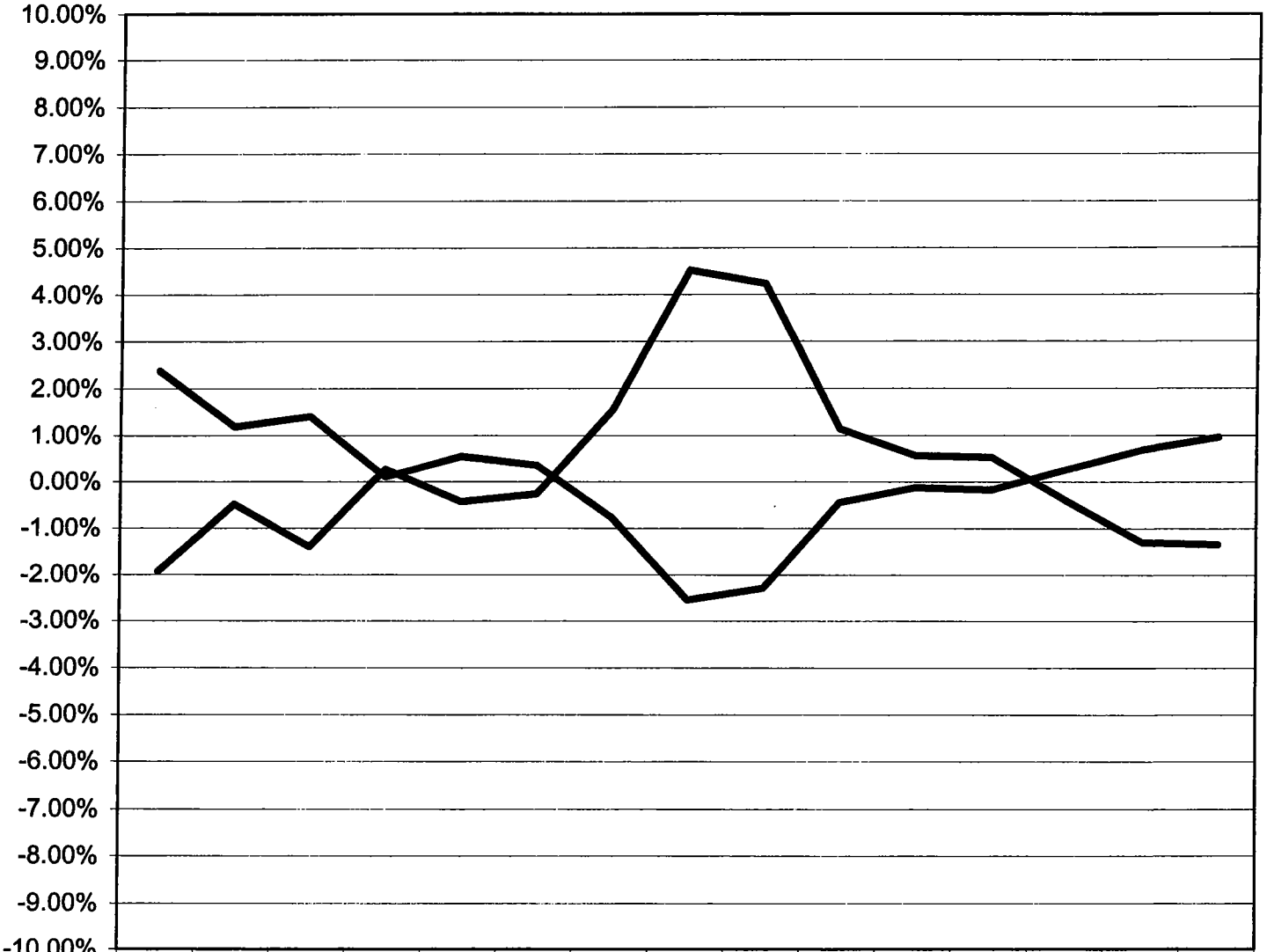
GRID Topology



Notes :-
* 92 Nov-Apr and 54 May-Oct (non-firm)
** 380 LLH , 347 HLH
*** plus 200 MW (non-firm)
**** plus 260/60 (non-firm) Jun-Sep

PacifiCorp
Exhibit No. 4
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Revenue Requirement Comparison
Base Case
Hybrid Proposal
Change in Revenue Requirement from Rolled-In and Modified Accord Studies (%)



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Change in 15-Yr NPV at 8.823%
West Total - Difference from MA %	-0.0193	-0.0048	-0.014	0.0027	-0.0043	-0.0026	0.0153	0.0453	0.0424	0.0114	0.0057	0.0053	-0.0042	-0.0129	-0.0134	0.31%
East Total - Difference from RI %	0.0238	0.0118	0.014	0.001	0.0055	0.0036	-0.0077	-0.0254	-0.0229	-0.0045	-0.0013	-0.0017	0.0027	0.0069	0.0096	0.13%

PacifiCorp
Exhibit No. 5
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Multi-State Process Risk Analyses

MSP Meeting

July 15 - 17, 2003

PACIFICORP

Risk Analyses - Overview

- Objective - To determine how Dynamic and Hybrid differ in determining State revenue requirements and retail prices under changes in loads, resources and market price.

- The specific scenarios may give rise to customer risk or shareholder risk, or both.

PacifiCorp
Exhibit No. 6, Page 1 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study List

- **Load Risk Analyses**
  - West Load Loss (1 year)
  - East Load Loss (1 year)
- **Resource Risk Analyses**
  - West Resource Balance (15 years)
  - Poor Hydro / High Market (1 year)
  - High Hydro / Low Market (1 year)
  - East Generation Loss / High Market (1 year)
- **Market Price Risk Analyses**
  - High Market (10 years)
  - Low Market (10 years)
  - West Prices Greater than East (1 year)
  - East Prices Greater than West (1 year)

PacifiCorp
Exhibit No. 6, Page 2 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **West Load Loss**
  - 250 MW loss in Oregon
  - System balancing sales increased
  - Generation reduced (more reduction in West than East)
  - Dynamic and Hybrid allocated reduced costs similarly across States
- **East Load Loss**
  - 150 MW loss in Idaho, 100 MW loss in Wyoming
  - System Balancing sales increased
  - Generation reduced (more reduction in East than West)
  - Dynamic and Hybrid allocated reduced costs similarly across States

PacifiCorp
Exhibit No. 6, Page 3 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **West Resource Balance (Revised)**
  - Base case uses 2003 load forecast and IRP PF-1 resources
  - Removed 500 MW off-peak contract 2004-2006 in West
  - Removed 200 MW flat contract 2011-2018 in West
  - Assumed Mid-C / West Main transmission rights continue
  - Revenue requirements reduced 2004-2006 and 2011-2018
  - NPV of revenue requirement decreases by $259 million
    - West decreased by $94 million under Rolled-in and $189 million under Hybrid
    - East decreased by $165 million under Rolled-in and $70 million under Hybrid

PacifiCorp
Exhibit No. 6, Page 4 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **Poor Hydro / High Market**
  - East and West Hydro and Mid-C generation reduced by 20%
  - Wholesale power prices increase due to low regional hydro
  - Thermal generation increased (West more than East)
  - West increased fuel and purchase costs and lost sales revenues
  - East increased fuel and purchase costs
  - Overall revenue requirement increased by $46 million
    - The West increased by $17 million under Rolled-in and $37 million under Hybrid
    - The East increased by $29 million under Rolled in and $9 million under Hybrid.

PACIFICORP
Exhibit No. 6, Page 5 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **High Hydro / Low Market**
  - East and West Hydro and Mid-C generation increased by 20%
  - Wholesale power prices decrease due to low regional hydro
  - Thermal generation decreased (West more than East)
  - West decreased fuel and purchase costs and increased sales revenues
  - East decreased fuel costs and decreased sales revenues
  - Overall revenue requirement decreased by $26 million
    - The West decreased by $9 million under Rolled-in and $26 million under Hybrid
    - The East decreased by $17 million under Rolled in and was unchanged under Hybrid.

PacifiCorp
Exhibit No. 6, Page 6 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **East Generation Loss / High Markets**
  - Assumed the loss of a 400 MW East side thermal unit for 1 year
  - Market prices (power and gas) based on Bullish Gas (BG)
  - Thermal generation increased (more East than West)
  - The West increased sales revenues, offset by a small fuel cost increase
  - The East increased fuel and purchase costs
  - Overall revenue requirement increased by $59 million
    - The West increased by $21 million under Rolled-in and decreased $40 million under Hybrid
    - The East increased by $38 million under Rolled-in and by $99 million under Hybrid

PacifiCorp
Exhibit No. 6, Page 7 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **High Market**
  - Used the Bullish Gas (BG) forecast for 10 years (2004-2013)
  - West's change in revenue requirement ranges from $-24 million to $17 million annually when comparing Rolled-in to Hybrid
  - East's change in revenue requirement ranges from $24 million to $-17 million annually when comparing Rolled-in to Hybrid
  - The NPV of the revenue requirement increases $109 million
    - The West increases by $40 million under Rolled-in and decreases by $3 million under Hybrid.
    - The East increases by $69 million under Rolled-in and $112 million under Hybrid

PacifiCorp
Exhibit No. 6, Page 8 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **Low Market**
  - Used the Commodity Competition (CC) forecast for 10 years (2004-2013)
  - West's change in revenue requirement ranges from $25 million to -$-1 million annually when comparing Rolled-in to Hybrid
  - East's change in revenue requirement ranges from $-25 million to $1 million annually when comparing Rolled-in to Hybrid
  - The NPV of the revenue requirement decreases $51 million
    - The West decreases by $19 million under Rolled-in and increases by $40 million under Hybrid.
    - The East decreases by $32 million under Rolled-in and $91 million under Hybrid

PacifiCorp
Exhibit No. 6, Page 9 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **East Prices Greater than West**
  - Increased Prices in East by $10 / MWh
  - East generation increases, West generation decreases
  - Sales increase
  - Overall revenue requirement decreases by $24 million
    - West decreases by $9 million under Rolled-in and $7 million under Hybrid
    - East decreased by $15 million under Rolled-in and $17 million under Hybrid.

PacifiCorp
Exhibit No. 6, Page 10 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **West Prices Greater than East**
  - Increased Prices in West by $10 / MWh
  - West generation increases, East generation decreases
  - Sales increase
  - Overall revenue requirement decreases by $13 million
    - West decreases by $5 million under Rolled-in and $2 million under Hybrid
    - East decreased by $9 million under Rolled-in and $11 million under Hybrid.

PacifiCorp
Exhibit No. 6, Page 11 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Risk Analyses - Study Assumptions and Results

- **West Prices Greater than East**
  - Increased Prices in West by $10 / MWh
  - West generation increases, East generation decreases
  - Sales increase
  - Overall revenue requirement decreases by $13 million
    - West decreases by $5 million under Rolled-in and $2 million under Hybrid
    - East decreased by $9 million under Rolled-in and $11 million under Hybrid.

PacifiCorp
Exhibit No. 6, Page 12 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Percent change in 2009 Revenue Requirement due to difference in Allocation Methodology

Load Sensitivities

	West Load Loss	East Load Loss
California	-0.32%	0.55%
Oregon	-0.09%	0.77%
Washington	-0.40%	0.76%
Total West	**-0.17%**	**0.76%**
Utah	0.05%	-0.42%
Idaho	0.21%	-0.45%
Wyoming	0.27%	-0.61%
Total East	**0.10%**	**-0.46%**

PacifiCorp
Exhibit No. 6, Page 13 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Percent change in 2009 Revenue Requirement due to difference in Allocation Methodology

Generation Sensitivities

	Poor Hydro and High Mkt Prices	High Hydro and Low Mkt Prices	East Generation Loss and High Mkt Prices
California	1.03%	-0.83%	-3.14%
Oregon	1.43%	-1.14%	-4.33%
Washington	1.44%	-1.14%	-4.33%
Total West	**1.41%**	**-1.12%**	**-4.26%**
Utah	-0.84%	0.66%	2.50%
Idaho	-0.89%	0.72%	2.76%
Wyoming	-0.94%	0.75%	2.92%
Total East	**-0.86%**	**0.69%**	**2.60%**

PacifiCorp
Exhibit No. 6, Page 14 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Percent change in 2009 Revenue Requirement due to difference in Allocation Methodology

Market Price Sensitivities

	High Mkt Prices Systemwide	Low Mkt Prices Systemwide	West Prices Higher than East	East Prices Higher than West
California	-0.34%	0.74%	0.11%	0.06%
Oregon	-0.47%	1.02%	0.15%	0.09%
Washington	-0.47%	1.01%	0.16%	0.09%
Total West	**-0.46%**	**1.00%**	**0.15%**	**0.09%**
Utah	0.27%	-0.58%	-0.09%	-0.05%
Idaho	0.31%	-0.65%	-0.09%	-0.06%
Wyoming	0.33%	-0.69%	-0.09%	-0.08%
Total East	**0.28%**	**-0.61%**	**-0.09%**	**-0.05%**

PacifiCorp
Exhibit No. 6, Page 15 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Change in 2009 Dollar per MWh Load Sensitivities

	Allocation Method	West Load Loss	East Load Loss
Total Company	1.4 - Dynamic	1.21	1.23
	47.4 - Hybrid	1.21	1.23
California	1.4 - Dynamic	0.38	0.41
	47.4 - Hybrid	0.07	0.95
Oregon	1.4 - Dynamic	4.48	0.39
	47.4 - Hybrid	4.33	0.95
Washington	1.4 - Dynamic	0.38	0.40
	47.4 - Hybrid	0.09	0.95
Total West	1.4 - Dynamic	3.40	0.39
	47.4 - Hybrid	3.21	0.95
Utah	1.4 - Dynamic	0.37	0.38
	47.4 - Hybrid	0.41	0.09
Idaho	1.4 - Dynamic	0.24	10.65
	47.4 - Hybrid	0.37	10.35
Wyoming	1.4 - Dynamic	0.21	1.86
	47.4 - Hybrid	0.37	1.47
Total East	1.4 - Dynamic	0.33	1.60
	47.4 - Hybrid	0.40	1.28

PacifiCorp
Exhibit No. 6, Page 16 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Change in 2009 Dollar per MWh Generation Sensitivities

	Allocation Method	Poor Hydro and High Mkt Prices	High Hydro and Low Mkt Prices	East Generation Loss and High Mkt Prices	West Resource Sensitivity
Total Company	1.4 - Dynamic	0.83	(0.47)	1.08	(0.00)
	47.4 - Hybrid	0.83	(0.47)	1.08	(0.00)
California	1.4 - Dynamic	0.84	(0.47)	1.09	(0.00)
	47.4 - Hybrid	1.87	(1.29)	(2.02)	(0.00)
Oregon	1.4 - Dynamic	0.84	(0.47)	1.08	(0.00)
	47.4 - Hybrid	1.86	(1.29)	(2.02)	(0.00)
Washington	1.4 - Dynamic	0.84	(0.47)	1.09	(0.00)
	47.4 - Hybrid	1.87	(1.29)	(2.02)	(0.00)
Total West	1.4 - Dynamic	0.84	(0.47)	1.08	(0.00)
	47.4 - Hybrid	1.87	(1.29)	(2.02)	(0.00)
Utah	1.4 - Dynamic	0.84	(0.47)	1.08	(0.00)
	47.4 - Hybrid	0.26	(0.01)	2.82	(0.00)
Idaho	1.4 - Dynamic	0.82	(0.46)	1.06	(0.00)
	47.4 - Hybrid	0.25	(0.00)	2.81	(0.00)
Wyoming	1.4 - Dynamic	0.80	(0.45)	1.04	(0.00)
	47.4 - Hybrid	0.24	(0.00)	2.79	(0.00)
Total East	1.4 - Dynamic	0.83	(0.47)	1.07	(0.00)
	47.4 - Hybrid	0.26	(0.01)	2.81	(0.00)

PacifiCorp
Exhibit No. 6, Page 17 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Change in 2009 Dollar per MWh
Market Price Sensitivities

	Allocation Method	High Mkt Prices Systemwide	Low Mkt Prices Systemwide	West Prices Higher than East	East Prices Higher than West
Total Company	1.4 - Dynamic	(0.05)	0.14	(0.24)	(0.44)
	47.4 - Hybrid	(0.05)	0.14	(0.24)	(0.44)
California	1.4 - Dynamic	(0.04)	0.13	(0.23)	(0.43)
	47.4 - Hybrid	(0.38)	0.86	(0.12)	(0.37)
Oregon	1.4 - Dynamic	(0.04)	0.14	(0.23)	(0.43)
	47.4 - Hybrid	(0.38)	0.87	(0.13)	(0.37)
Washington	1.4 - Dynamic	(0.04)	0.13	(0.23)	(0.43)
	47.4 - Hybrid	(0.38)	0.86	(0.12)	(0.37)
Total West	1.4 - Dynamic	(0.04)	0.14	(0.23)	(0.43)
	47.4 - Hybrid	(0.38)	0.86	(0.13)	(0.37)
Utah	1.4 - Dynamic	(0.04)	0.14	(0.23)	(0.43)
	47.4 - Hybrid	0.14	(0.27)	(0.30)	(0.46)
Idaho	1.4 - Dynamic	(0.07)	0.16	(0.25)	(0.44)
	47.4 - Hybrid	0.13	(0.25)	(0.30)	(0.48)
Wyoming	1.4 - Dynamic	(0.08)	0.17	(0.25)	(0.45)
	47.4 - Hybrid	0.12	(0.24)	(0.30)	(0.49)
Total East	1.4 - Dynamic	(0.05)	0.15	(0.24)	(0.44)
	47.4 - Hybrid	0.14	(0.26)	(0.30)	(0.47)

PacifiCorp
Exhibit No. 6, Page 18 of 18
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Retail Load Growth
Firm & Non-Firm
(MW)

Sum of 12 CP's

	PPL-WA	PPL-OR	PPL-CA	PPL-WY	UPL-ID	UPL-WY	UPL-UT	MERGED TOTAL
1992	7,275	25,472	1,586	10,996	4,641	2,911	24,467	77,348
1993	7,382	26,357	1,635	11,062	4,860	2,964	24,944	79,203
1994	7,654	27,109	1,719	11,010	4,881	2,889	26,187	81,450
1995	7,801	26,733	1,659	11,068	4,889	1,897	26,878	80,925
1996	8,222	27,104	1,716	11,596	5,159	1,745	29,553	85,098
1997	7,504	26,572	1,743	10,005	5,063	1,369	30,615	82,871
1998	8,099	27,733	1,815	9,977	5,112	1,791	31,936	86,463
1999	8,295	26,903	2,029	9,118	5,197	1,748	32,273	85,563
2000	8,135	27,679	1,719	9,567	5,146	1,760	34,786	88,791
2001	7,778	26,754	1,539	10,551	5,108	1,978	35,071	88,780
2002	7,973	26,397	1,685	10,593	5,572	1,564	35,951	89,735

% Increase from 1992

	PPL-WA	PPL-OR	PPL-CA	PPL-WY	UPL-ID	UPL-WY	UPL-UT	MERGED TOTAL
1992								
1993	1.5%	3.5%	3.1%	0.6%	4.7%	1.8%	2.0%	2.4%
1994	5.2%	6.4%	8.4%	0.1%	5.2%	-0.7%	7.0%	5.3%
1995	7.2%	5.0%	4.6%	0.7%	5.3%	-34.8%	9.9%	4.6%
1996	13.0%	6.4%	8.2%	5.5%	11.2%	-40.0%	20.8%	10.0%
1997	3.1%	4.3%	9.9%	-9.0%	9.1%	-53.0%	25.1%	7.1%
1998	11.3%	8.9%	14.5%	-9.3%	10.2%	-38.5%	30.5%	11.8%
1999	14.0%	5.6%	27.9%	-17.1%	12.0%	-39.9%	31.9%	6.2%
2000	11.8%	8.7%	8.4%	-13.0%	10.9%	-39.5%	42.2%	14.8%
2001	6.9%	5.0%	-2.9%	-4.0%	10.1%	-32.0%	43.3%	14.8%
2002	9.6%	3.6%	6.3%	-3.7%	20.1%	-46.3%	46.9%	16.0%

Retail Load Growth
Firm & Non-Firm
(MWh)

Energy

	PPL-WA	PPL-OR	PPL-CA	PPL-WY	UPL-ID	UPL-WY	UPL-UT	MERGED TOTAL
1992	3,991,967	13,825,755	856,548	7,340,427	3,194,963	2,080,593	13,313,548	44,603,801
1993	4,132,028	14,565,783	888,538	7,379,903	3,054,512	2,132,398	14,883,132	47,036,294
1994	4,176,157	15,230,291	907,743	7,376,211	3,269,341	2,075,083	15,743,622	48,778,448
1995	4,135,085	14,523,343	887,651	7,364,749	3,131,881	1,362,474	16,171,164	47,576,347
1996	4,324,988	14,922,353	915,420	7,600,773	3,350,250	1,208,657	17,476,337	49,798,778
1997	4,049,966	14,815,983	949,111	6,558,862	3,319,481	939,051	17,874,554	48,507,008
1998	4,457,422	15,456,783	979,789	6,653,377	3,303,819	1,220,881	18,387,055	50,459,127
1999	4,607,919	15,224,119	1,155,845	6,190,299	3,328,397	1,188,293	18,946,805	50,641,677
2000	4,540,498	15,603,612	925,786	6,345,974	3,419,263	1,225,410	20,284,781	52,345,325
2001	4,413,518	15,025,360	865,652	7,083,751	3,406,870	1,366,799	20,070,975	52,232,925
2002	4,384,929	14,312,835	911,557	6,940,269	3,552,418	1,075,686	20,369,294	51,546,989

% Change From 1992

	PPL-WA	PPL-OR	PPL-CA	PPL-WY	UPL-ID	UPL-WY	UPL-UT	MERGED TOTAL
1992								
1993	3.5%	5.4%	3.7%	0.5%	-4.4%	2.5%	11.8%	5.5%
1994	4.6%	10.2%	6.0%	0.5%	2.3%	-0.3%	18.3%	9.4%
1995	3.6%	5.0%	3.6%	0.3%	-2.0%	-34.5%	21.5%	6.7%
1996	8.3%	7.9%	6.9%	3.5%	4.9%	-41.9%	31.3%	11.6%
1997	1.5%	7.2%	10.8%	-10.6%	3.9%	-54.9%	34.3%	8.8%
1998	11.7%	11.8%	14.4%	-9.4%	3.4%	-41.3%	38.1%	13.1%
1999	15.4%	10.1%	34.9%	-15.7%	4.2%	-42.9%	42.3%	6.4%
2000	13.7%	12.9%	8.1%	-13.5%	7.0%	-41.1%	52.4%	10.0%
2001	10.6%	8.7%	1.1%	-3.5%	6.6%	-34.3%	50.8%	9.7%
2002	9.8%	3.5%	6.4%	-5.5%	11.2%	-48.3%	53.0%	8.3%

Increase in Generation Revenue Requirement
$/MWh Change From 2004

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
West Region														
$/MWh - Change from 2004														
Hybrid	$ 1.78	$ 5.34	$ 9.57	$ 11.58	$ 12.23	$ 14.58	$ 16.51	$ 18.28	$ 17.88	$ 18.31	$ 18.06	$ 17.98	$ 18.21	$ 18.70
Rolled-in	$ 1.26	$ 3.79	$ 6.63	$ 8.70	$ 11.01	$ 12.74	$ 13.18	$ 15.12	$ 16.38	$ 16.56	$ 16.43	$ 16.79	$ 17.06	$ 17.39
Hybrid Revenue Requirement Higher (Lower) than Rolled-in	$ 0.52	$ 1.56	$ 2.94	$ 2.88	$ 1.22	$ 1.83	$ 3.33	$ 3.16	$ 1.50	$ 1.75	$ 1.62	$ 1.20	$ 1.16	$ 1.31
East Region														
$/MWh - Change from 2004														
Hybrid	$ 0.92	$ 3.12	$ 5.36	$ 7.26	$ 10.64	$ 11.94	$ 11.61	$ 13.95	$ 16.01	$ 15.99	$ 15.86	$ 16.49	$ 17.04	$ 17.65
Rolled-in	$ 1.25	$ 4.13	$ 7.20	$ 9.07	$ 11.52	$ 13.19	$ 13.68	$ 15.93	$ 17.12	$ 17.24	$ 17.05	$ 17.47	$ 18.01	$ 18.72
Hybrid Revenue Requirement Higher (Lower) than Rolled-in	$ (0.33)	$ (1.00)	$ (1.84)	$ (1.81)	$ (0.88)	$ (1.24)	$ (2.07)	$ (1.98)	$ (1.11)	$ (1.25)	$ (1.19)	$ (0.98)	$ (0.97)	$ (1.06)

PacifiCorp
Exhibit No. 8
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Need for New Resources by Region
Change in Load and Net Resources from 2004

EAST	FY2004 Gwh	FY2018 Gwh	Change from 2004 Gwh
Net System Load	32,671	49,524	16,853
Long Term Sales	3,125	600	(2,525)
Existing Long Term Purchases	1,721	744	(977)
Existing Plant Generation	33,911	31,945	(1,966)
Net Increase in Resources			(418)
Change in Load from 2004 Less Change in Net Resources			17,271
Percent of 2018 load			34.9%

WEST			
Net System Load	20,177	24,939	4,762
Long Term Sales	4,258	395	(3,863)
Existing Long Term Purchases	8,722	1,712	(7,010)
Existing Plant Generation	13,309	13,828	519
Net Increase in Resources			(2,628)
Change in Load from 2004 Less Change in Net Resources			7,390
Percent of 2018 load			29.6%

PacifiCorp
Exhibit No. 9
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

Change in Generation by Region

West Load Loss (250 MW)
FY 2009

MWh

	Change in Generation	East	West
THERMAL GENERATION TOTAL CHANGE	(1,362,330)	(317,296)	(1,045,034)
	100%	23%	77%

East Load Loss (250 MW)
FY 2009

MWh

	Change in Generation	East	West
THERMAL GENERATION TOTAL CHANGE	(1,415,885)	(757,833)	(658,052)
	100%	54%	46%

PacifiCorp
Exhibit No. 10
Case No. PAC-E-02-3
Witness: Gregory N. Duvall

SEASONAL WHOLESALE CONTRACTS

Existing

1. Avista Summer Purchase

Term:	Starts 3/18/1994 and Terminates September 15, 2003
Size:	150 Megawatts
Delivery Months:	June through September
Delivery Hours:	Heavy Load Hours (6 AM – 10 PM) Monday through Saturday
Features:	Monthly load factor, Minimum of 10% and Maximum of 70% Annual Load Factor, 25%
Pricing:	Contractual Specified Capacity and Energy charge
Point of Receipt:	Hot Springs, MT

2. Morgan Stanley Call

Term:	Starts 6/1/2002 and Terminates September 30, 2004
Size:	100 Megawatts
Delivery Months:	June through September
Delivery Hours:	Heavy Load Hours (6 AM – 10 PM) Monday through Saturday
Features:	Call exercised daily
Pricing:	Contractual Specified Capacity and Energy charge
Point of Receipt:	Mona, UT

3. Sempra Call

Term:	Starts 6/1/2002 and Terminates September 30, 2004
Size:	100 Megawatts
Delivery Months:	June through September
Delivery Hours:	Heavy Load Hours (6 AM – 10 PM) Monday through Saturday
Features:	Call exercised daily
Pricing:	DSW market price for energy plus capacity price based on Malin Gas Index
Point of Receipt:	Utah / Nevada Border (Red Butte – Harry Allen 345 kV Line)

Planned

4. IRP Super Peak Contract East

Term:	Starts 6/1/2003 and Terminates 9/1/2006
Size:	225 Megawatts
Delivery Months:	June through August
Delivery Hours:	Super peak period (12 PM – 8 PM) Monday through Saturday
Features:	Call Option
Pricing:	Fixed price expressed in dollars per Mwh
Point of Receipt:	East Main