Exhibit No. RBD-4
Docket UE-16____
Witness: R. Bryce Dalley

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

In the Matter of PACIFIC POWER & LIGHT COMPANY, Modification of Tariffs Governing Permanent Disconnection and Removal Procedures	Docket UE-16____

PACIFIC POWER & LIGHT COMPANY

EXHIBIT

STRANDED COST RECOVERY FEE CALCULATION

November 2016

PacifiCorp
State of Washington
Stranded Cost Analysis
10 Year

Row No.	Description	Residential (A)	Non Residential (B)
1	Total Revenue[1]	$145,355,240	$193,197,821
2	Net Power Cost-Related Revenue	$55,772,734	$73,666,731
3	Stranded Cost-Related Revenues[2]	$89,582,506	$119,531,090
4	Average Annual Customers	105,259	25,423
5	Stranded Cost-Related Revenues per Customer	$851	$4,702
6	Discount Rate	6.38%	6.38%
7	10 Year Net Present Value of Stranded Costs per Customer	$6,153	$33,991
8	Average Annual Revenue per Customer	$1,381	$7,599
9	Stranded Cost to Revenue Ratio	4.5	4.5

Footnotes

1 From Docket No. UE-152253 rates effective October 4, 2016.
2 Stranded costs are calculated as non-net power cost related revenue.

PacfiCorp
State of Washington
Stranded Cost
Net Present Value Analysis
10 Year

Schedules 16/18 Stranded Costs

Total Revenue	$145,355,240										
NPC Revenue	$55,772,734										
Non NPC Revenues	**$89,582,506**					10-Year Period					
Average Annual Customers	105,259	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$851**	$851	$851	$851	$851	$851	$851	$851	$851	$851	$851
Discount Rate	6.38%										
Net Present Value	**$6,153**										
Average Annual Revenue per Customer	**$1,381**										
Investment to Revenue Ratio	**4.5**										

Schedule 24 Stranded Costs

Total Revenue	$49,430,455										
NPC Revenue	$17,436,485										
Non NPC Revenues	**$31,993,970**					10-Year Period					
Average Annual Customers	19,046	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$1,680**	$1,680	$1,680	$1,680	$1,680	$1,680	$1,680	$1,680	$1,680	$1,680	$1,680
Discount Rate	6.38%										
Net Present Value	$12,144										
Average Annual Revenue per Customer	**$2,595**										
Investment to Revenue Ratio	**4.7**										

Schedule 36 Stranded Costs

Total Revenue	$73,313,049										
NPC Revenue	$27,808,883										
Non NPC Revenues	**$45,504,166**					10-Year Period					
Average Annual Customers	1,086	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$41,906**	$41,906	$41,906	$41,906	$41,906	$41,906	$41,906	$41,906	$41,906	$41,906	$41,906
Discount Rate	6.38%										
Net Present Value	$302,964										
Average Annual Revenue per Customer	**$67,517**										
Investment to Revenue Ratio	**4.5**										

Schedule 40 Stranded Costs

Total Revenue	$14,013,389										
NPC Revenue	$4,576,580										
Non NPC Revenues	**$9,436,809**					10-Year Period					
Average Annual Customers	5,225	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$1,806**	$1,806	$1,806	$1,806	$1,806	$1,806	$1,806	$1,806	$1,806	$1,806	$1,806
Discount Rate	6.38%										
Net Present Value	$13,057										
Average Annual Revenue per Customer	**$2,682**										
Investment to Revenue Ratio	**4.9**										

PacfiCorp
State of Washington
Stranded Cost
Net Present Value Analysis
10 Year

General Service Stranded Costs

		10-Year Period									
Total Revenue	$136,756,893										
NPC Revenue	$49,821,948										
Non NPC Revenues	**$86,934,945**										
Average Annual Customers	25,357	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$3,428**	$3,428	$3,428	$3,428	$3,428	$3,428	$3,428	$3,428	$3,428	$3,428	$3,428
Discount Rate	6.38%										
Net Present Value	$24,786										
Average Annual Revenue per Customer	**$5,393**										
Investment to Revenue Ratio	**4.6**										

Schedule 48 Stranded Costs Non Ded

		10-Year Period									
Total Revenue	$29,436,675										
NPC Revenue	$11,346,627										
Non NPC Revenues	**$18,090,048**										
Average Annual Customers	65	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$277,650**	$277,650	$277,650	$277,650	$277,650	$277,650	$277,650	$277,650	$277,650	$277,650	$277,650
Discount Rate	6.38%										
Net Present Value	$2,007,286										
Average Annual Revenue per Customer	**$451,801**										
Investment to Revenue Ratio	**4.4**										

Schedule 48 Dedicated Facility Stranded Costs

		10-Year Period									
Total Revenue	$27,004,253										
NPC Revenue	$12,498,155										
Non NPC Revenues	**$14,506,097**										
Average Annual Customers	1	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$14,506,097**	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097	$14,506,097
Discount Rate	6.38%										
Net Present Value	$104,872,463										
Average Annual Revenue per Customer	**$27,004,253**										
Investment to Revenue Ratio	**3.9**										

PacfiCorp
State of Washington
Stranded Cost
Net Present Value Analysis
10 Year

Schedule 48 Stranded Costs											
Total Revenue	$56,440,927										
NPC Revenue	$23,844,782										
Non NPC Revenues	**$32,596,145**					10-Year Period					
Average Annual Customers	66	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$492,731**	$492,731	$492,731	$492,731	$492,731	$492,731	$492,731	$492,731	$492,731	$492,731	$492,731
Discount Rate	6.38%										
Net Present Value	$3,562,220										
Average Annual Revenue per Customer	**$853,174**										
Investment to Revenue Ratio	**4.2**										

Schedule 48 Stranded Costs											
Total Revenue	$193,197,821										
NPC Revenue	$73,666,731										
Non NPC Revenues	**$119,531,090**					10-Year Period					
Average Annual Customers	25,423	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Non NPC Revenues per Customer	**$4,702**	$4,702	$4,702	$4,702	$4,702	$4,702	$4,702	$4,702	$4,702	$4,702	$4,702
Discount Rate	6.38%										
Net Present Value	$33,991										
Average Annual Revenue per Customer	**$7,599**										
Investment to Revenue Ratio	**4.5**										