WUTC DOCKET: UE-191024 EXHIBIT: RMM-5 ADMIT ☑ W/D ☐ REJECT ☐

Exh. RMM-5
Docket UE-19
Witness: Robert M. Meredith

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, Complainant,	Docket UE-19
V.	
PACIFICORP dba PACIFIC POWER & LIGHT COMPANY	
Respondent	

PACIFICORP EXHIBIT OF ROBERT M. MEREDITH

Renewable Future Peak Credit Calculation

PacifiCorp State of Washington Classification of Fixed Generation Costs

	Washington Pumped Storage, 1,200 MW X 16,800 MWh			
1	Fixed Cost per kW-year ¹	\$179.48		
2	Cost per MWh to Charge ²	\$27.13		
3	Hours of Operation	12		
4	Storage Efficiency ²	79%		
5	Total Cost of Charging	\$0.41	Line 2 / 1000 / Line 4 X Line 3	
6	Total Cost 1 kW-year, 12 Hours	\$179.89	Line 1 + Line 5	
	2 () () () () () () () () ()	T	1000 (PTC)	
	3.6 MW Turbine 43.6% Capacity Factor WY, 2020 (100% PTC)			
7	Fixed Cost per kW-year ³	\$118.59		
8	Average Output Requirement @ 53.6% Load Factor ⁴	5,554	8,760 X 63.4%	
9	Output @ 43.6% Capacity Factor ³	3,819	8,760 X 43.6%	
10	Total kW Capacity Required	1.45	Line 8 / Line 9	
11	Total Fixed Costs	\$172.45	Line 7 X Line 10	
12	Demand Related Cost @ 19% Capacity Contribution ⁵	\$49.59	Line 10 X 19% X Line 1	
13	Total Energy Related Cost	\$122.86	Line 11 - Line 12	
14	Demand Component	59%	Line 6 / (Line 6 + Line 13)	
15	Energy Component	41%	100% - Line 14	