

**Exh. ASR-11
Dockets UE-220066, UG-220067,
UG-210918
Witness: Andrew S. Rector**

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**DOCKETS UE-220066, UG-220067,
UG-210918 (consolidated)**

In the Matter of the Petition of

PUGET SOUND ENERGY

**For an Order Authorizing Deferred
Accounting Treatment for Puget Sound
Energy's Share of Costs Associated with
the Tacoma LNG Facility**

EXHIBIT TO TESTIMONY OF

ANDREW S. RECTOR

**STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

PSE Proposed Energy Storage Demonstrations

July 28, 2022

Exh. ASR-11: PSE Proposed Energy Storage Demonstrations

Demonstrations	Sector	MW/site	#sites	Total MW	Unit Forecast		Total Capex Costs			
					2024	2025	2024	2025	Total	
Non-Li+ battery technologies (Iro Utility		0	0	0	0	0	\$ -	\$ -	\$ -	
Iron Air		0	0.5	2	1	0	2	\$ -	\$ 5,108,228	\$ 5,108,228
Veraidum redux		0	0.5	2	1	0	2	\$ -	\$ 722,500	\$ 722,500
pumped hydro		0	5	2	10	0	2	\$ -	\$ 2,770,000	\$ 2,770,000
Compressed air		0	0	2	0	0	2	\$ -	\$ -	\$ -
Vehicle 2 Grid	Fleet (Level 2)		2	2	4	1	1	\$ 1,290,750	\$ 1,112,231	\$ 2,402,981
Vehicle 2 Grid	Fleet (Level 3)		2	2	0	0	2	\$ -	\$ 3,857,438	\$ 3,857,438
Vehicle 2 Grid	Residential	0.015	100	1.5	100	0	0	\$ 1,005,563	\$ -	\$ 1,005,563
Microgrids	Residential	0.05	2	0.1	1	1	1	\$ 342,310	\$ 181,581	\$ 523,892
Microgrids	Commercial	0.5	2	1	1	1	1	\$ 778,690	\$ 593,024	\$ 1,371,714
Microgrids	Utility	2	2	4	1	1	1	\$ 2,276,669	\$ 1,959,653	\$ 4,236,322
Hydrogen	Utility	1	1	1	0	1	1	\$ -	\$ 4,052,625	\$ 4,052,625
Battery grid services	Residential	0.006	5	0.03	5	0	0	\$ 265,386	\$ -	\$ 265,386
Battery grid services	Commercial	0.6	3	1.8	3	0	0	\$ 2,413,283	\$ -	\$ 2,413,283
Total							\$ 8,372,651	\$ 20,357,281	\$ 28,729,932	