EXH. BEF-6 DOCKETS UE-240004/UG-240005 2024 PSE GENERAL RATE CASE WITNESS: BRIAN E. FELLON

# BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

**PUGET SOUND ENERGY,** 

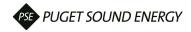
Respondent.

Docket UE-240004 Docket UG-240005

# FIFTH EXHIBIT (NONCONFIDENTIAL) TO THE PREFILED DIRECT TESTIMONY OF

**BRIAN E. FELLON** 

ON BEHALF OF PUGET SOUND ENERGY



Date Created:	Friday, February 10, 2023
Discretionary/ Non-Discretionary:	Non-Discretionary
Multi Year Rate Plan:	Specific
quity Impact:	Yes
trategic Alignment:	Evolve the Business-Operational Excellence
stimated In-Service Date:	Saturday, October 31, 2026
current State (Business Need):	Appendix and control of the Transmission System has branche most complex over the last decade due to the coloring for those may be expected to access the coloring and completed in the coloring and col



Desired State (Proposed Solution):	Replace the legacy GE EMS with a modern EMS platform transitioning to an entirely new integrated energy management software ecosystem. Engage contractor resources from a selected vendor to team with PSE to initiate the platform migration as well as analyze the hardware needs. PSE will also hire a consultant integrator who has executed a GE conversion to the respective new EMS to provide a more seamless transition for PSE.



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utcome/Results Vhat are the	The EMS Platform Migration project is envisioned to replace our legacy GE platform with a modern, advanced EMS. This will improve our operational capabilities and ease maintenance by simplifying the underlying architecture and introducing new functionality, such as: • Turn-key product and patch releases with vendor managed source code. • Simplified modern architecture that will rapidly evolve to address PSE requirements and NERC growth. •
nticipated benefits):	Superior UI with significant visual enhancements and graphical features. • Greatly enhanced User Agency. • Improved SA and comprehensive SA tools. • Powerful operator training simulator to better represent real-time
	scenarios. • Light-weight web-based user interface for non-transmission corporate users. • Simplified database management and improved release efficiency. • Improved upgrade frequency and patch management. • Significant reduction in total cost of ownership. • Improved relationship with EMS vendor.



Dependencies:

## **EMS Platform Replacement**

Dependencies comment:	None.										
Escalation Included:	No, escalation has not been included.										
Total Estimated Costs:	\$30,000,000										
Estimated Five Year Allocation:	Funds Type	ID	Line Item Description		Previous Years Actuals	Fiscal 2024 Requested	Fiscal 2025 Requested	Fiscal 2026 Requested	Fiscal 2027 Requested	Fiscal 2028 Requested	
		PRJ_000492 W_F.10002.01.21.01	OM EMS Platform Replacement			\$ -	\$ - \$ 13,400,000	\$ - \$ 10,000,000	\$ 4,000,000	\$ -	\$ - \$ -
	Capital	PRJ_000492	OM OM			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	*Amounts do not include escalator					* These amounts					
Incremental O&M:	Both						l l				
Qualitative Benefits:	Soft Benefits:  1.Improve operational efficiency 2.Improve Situational Awareness Capabilities 3.Improve vendor engagement 4.Increase frequency of software upgrades 5.Reduce EMS operational complexity 6.Reduction in Maintenance and Upgrade Cost										
Quantitative Benefits:	Quantitative Benefits	Benefit Type	Previous Years	Fiscal 2023	Fiscal 2024	Fiscal 2025	Fiscal 2026	Fiscal 2027	Fiscal 2028	Remaining Costs	Life Total
Risk Summary:	Following are some of the m December 2026 • Control Co									upport for their soft	ware ends in



Corporate Spending Authorization (CSA)

Change Summary:

Planning Cycle	Change Summary	Last Update Date
2022 Baseline Cycle	This CSA has been migrated into the EPPM tool at go-live as part of the Phase 1 EPPM implementation effort. The projects in this CSA were previously approved for the 2023-2027 capital plan. Please refer to the original CSA document for additional information (if available.)	2/10/2023



Corporate Spending Authorization (CSA)

Approval History:

Approved By	Date Approved
Approved by Cost Center Owner: Sorrell , Evan	3/31/2023
Approved by Director Sponsor: Fellon , Brian	4/3/2023
Approved by Director Sponsor: Murphy , Ryan	4/7/2023
Approved by Executive Sponsor: Koch , Dan	4/20/2023
Approved by Cost Center Owner: Sorrell , Evan	5/1/2023
Approved by Cost Center Owner: Panchapakesan , Deepa	5/4/2023
Approved by Director Sponsor: Murphy , Ryan	5/5/2023
Approved by Director Sponsor: Fellon , Brian	5/9/2023
Approved by Executive Sponsor: Koch , Dan	5/9/2023
Approved by Executive Sponsor: Upton , Simon	5/15/2023
CSA Status changed to Approved	5/15/2023
Approved by Cost Center Owner: Gill , Satinder	12/4/2023
Approved by Director Sponsor: Gill , Satinder	12/4/2023
Approved by Executive Sponsor: Gill , Satinder	12/4/2023
CSA Status changed to Approved	12/4/2023
Approved by Cost Center Owner: Panchapakesan , Deepa	1/27/2024
Approved by Director Sponsor: Fellon , Brian	1/27/2024
Approved by Director Sponsor: Murphy , Ryan	1/27/2024
Approved by Executive Sponsor: Vargo , Michelle	1/29/2024
Approved by Executive Sponsor: Upton , Simon	1/30/2024
CSA Status changed to Approved	1/30/2024