

**EXH. SLT-4  
DOCKETS UE-22\_\_\_/UG-22\_\_\_  
2022 PSE GENERAL RATE CASE  
WITNESS: SUZANNE L. TAMAYO**

**BEFORE THE  
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**Docket UE-22\_\_\_  
Docket UG-22\_\_\_**

**THIRD EXHIBIT (NONCONFIDENTIAL) TO THE  
PREFILED DIRECT TESTIMONY OF**

**SUZANNE L. TAMAYO**

**ON BEHALF OF PUGET SOUND ENERGY**

**JANUARY 31, 2022**

**IT Projects Placed In-Service from July 2021 through December 2022**

Type	Project	Description	Total
Business Enablement	Get to Zero Program	Multi-year corporate initiative that focuses on improving the customer experience in many different ways and includes multiple projects throughout the company that tie together to ultimately make doing business with PSE easier for our customers. The GTZ program began in 2016 and completed in 2021.	\$25,401,053
	Data Enablement Program (DEEP)	The DEEP program was initiated in 2020 as a mitigation for PSE's corporate risk related to inability to leverage data to drive strategic business decisions and enhanced customer offerings. A foundational premise for the Data Enablement program is the use of data science to extract actionable insights from the large and ever-increasing volumes of data collected and created across PSE. This program is schedule to run until 2026.	\$12,091,112
	Other Business Enablement Projects	Funding for smaller projects that are identified by PSE business areas to support corporate strategies, customer needs and emerging or new business needs.	\$26,474,173
<b>Business Enablement Total</b>			<b>\$63,966,339</b>
Systems Modernization	Enhanced Substation Communications	This project will modernize the existing analog communication technology associated with Electric Supervisory Control and Data Acquisition ("SCADA") operations to use Distributed Network Protocol (DNP), which was specifically developed for communication between control and data acquisition systems. Obsolete routers, switches, firewalls and Remote Terminal Units (RTUs) at substations related to the system will also be replaced as part of the project. The project is expected to complete work at all sub-stations in 2023.	\$4,876,078
	Transport Network Modernization	Multi-year project to upgrade PSE's antiquated Transport Network infrastructure, which provides communication links for the majority of PSE's site-to-site data traffic, including all mission critical	\$3,414,227

	transmission line relay protection. This program began in 2020 and will complete in 2025.		
Data Center Hardware Refresh	This project will replace all data center hardware in accordance with specified asset lives, minimizing risk of unplanned failure or outage. The type of equipment to be replaced includes servers, storage, networking, firewalls and technology backup and recovery platforms.		\$12,585,408
IT Operational Program	The IT Operational Program provide funds on an annual basis to strategically maintain PSE's IT infrastructure and applications.		\$47,996,231
Cyber and Corporate Security Program	The Cyber and Corporate Security Program provides funds on an annual basis to address cyber and physical security risks and the threats they pose.		\$17,073,031
<b>Systems Modernization Total</b>			<b>\$85,944,975</b>
<b>Grand Total</b>			<b>\$149,911,314</b>