



**Portland General Electric Company**  
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November 19, 2024

Public Utility Commission of Oregon  
Attn: Filing Center  
201 High Street, S.E.  
P.O. Box 1088  
Salem, OR 97308-1088

**RE: PGE UM 1856 Amended 2024 Annual Energy Storage Update**

Pursuant to Public Utility Commission of Oregon (OPUC or Commission) Order No. 18-290, Portland General Electric Company (PGE) submits an amended fifth annual report on the progress of its energy storage proposal which includes: Camino del Sol (formally named Baldock), Coffee Creek, Microgrid pilot, Port Westward 2 (PW2), Residential Storage pilot (called the “Smart Battery pilot”), and the controls for the energy storage systems.

PGE hereby submits this amended fifth annual report correcting the System Operation frequency events and contingency reserves presented on page 3 from the original report submitted on September 17, 2024. The values were counted incorrectly in Table 1 and have been corrected. No changes are made to Table 1.

System Operation

These microgrid systems respond to system frequency events and are dispatched both for contingency reserve and demand response. System frequency is monitored at a central location near Sherwood and if a deviation is detected the site controller immediately dispatches the battery at full output for three minutes before ramping down and slowly recharging. Contingency reserves are centrally dispatched when needed by the Balancing Area Authority Operators. These systems have automatically responded to 181 frequency events and been dispatched for contingency reserves 1 time since September 2023.

Table 1 below shows the number of contingency reserve and frequency response dispatches of both the BPSC and ARC microgrid batteries over the last 12 months.

Table 1

Month and Year	Bpsc		ARC	
	Number of Contingency Reserve dispatches	Number of Frequency Response dispatches	Number of Contingency Reserve dispatches	Number of Frequency Response dispatches
September 2023	0	10	0	4
October 2023	0	7	0	6
November 2023	0	3	0	1
December 2023	0	6	0	3
January 2024	0	5	0	7
February 2024	0	2	0	0
March 2024	0	3	0	4
April 2024	0	11	0	8
May 2024	0	20	0	19
June 2024	0	7	0	4
July 2024	1	5	0	4
August 2024	0	30	0	12

Please direct any questions regarding this filing to Chris Pleasant at (503) 464-2555. Please direct all formal correspondence and requests to the following email address [pge.opuc.filings@pgn.com](mailto:pge.opuc.filings@pgn.com)

Sincerely,

*\s\ Robert Macfarlane*

Robert Macfarlane  
 Manager, Pricing & Tariffs

cc: UM 1856 Service List