

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: October 23, 2025

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager *CCC*

FROM: Roberto C. Cortez, Manager of Water Operations *RCC*

SUBJECT: Follow-up Hydropower Revenue Report

SUMMARY

At the September 23, 2025 Finance/Administration Committee meeting, the Committee requested information on the District's hydroelectricity operations and its role in supporting the State's renewable energy goals. This memorandum responds to the Committee's request.

DISCUSSION

Balancing Objectives of Pardee and Camanche Operations

The combined Pardee and Camanche reservoir system is operated to meet water supply, drinking water quality, flood control, environmental stewardship, water for senior downstream diverters, hydroelectricity generation, and recreation objectives. Several agreements, permits, and licenses govern the operation of these facilities, which include minimum flows and maximum temperature conditions, to ensure a successful fishery in the Mokelumne River. Other factors, such as hydrology and air temperature, affect operations. Within these constraints, the system is operated to meet a hierarchy of objectives.

After objectives are met for water supply and quality, and regulatory obligations for the fishery, the District maximizes generation of hydroelectricity from the Pardee and Camanche powerhouses. Hydroelectricity generation from Pardee Powerhouse fluctuates and is optimized within current operational constraints. Generation from Camanche Powerhouse is more consistent to maintain more consistent river flow to minimize impacts to the fishery.

District's Hydroelectricity Supports California's Renewable Energy Goals

In 2002, California established the Renewables Portfolio Standard (RPS) program requiring electricity providers to serve 20 percent of their electricity sales using renewable energy resources by 2017. Since 2002, the RPS program has been expanded into one of the most ambitious renewable energy programs in the country. Presently, electricity providers are required to meet the following milestones: RPS-eligible resources must constitute 60 percent of electricity

sales by 2030, and renewable and zero-carbon resources must constitute 100 percent of electricity sales by 2045. Electricity providers demonstrate compliance by procuring electricity and Renewable Energy Certificates (RECs) from California Energy Commission (CEC)-certified, RPS-eligible resources.

Pardee and Camanche powerhouses are CEC-certified, RPS-eligible resources, and support California's goals for renewable and zero-carbon electricity. The District's sales of electricity and RECs contribute to electricity providers' compliance with the RPS program. From July 2015 to June 2025, the District sold its electricity and RECs to Marin Clean Energy, a Community Choice Aggregator (CCA). On July 1, 2025, the District began selling its electricity and RECs from the Pardee and Camanche powerhouses to another CCA, the Silicon Valley Clean Energy Authority, under a five-year agreement.

Pardee and Camanche powerhouses also serve a complementary role to the largest category of existing renewable energy interconnected to the wholesale market – solar generators. Hydroelectricity generation can be scheduled when solar electricity generation ceases after sunset to increase renewable energy use in the evening and reduce the need for electricity from natural gas power plants.

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