

WSO SPOTLIGHT

Where Water and Electricity Mix: Power Scheduling Team

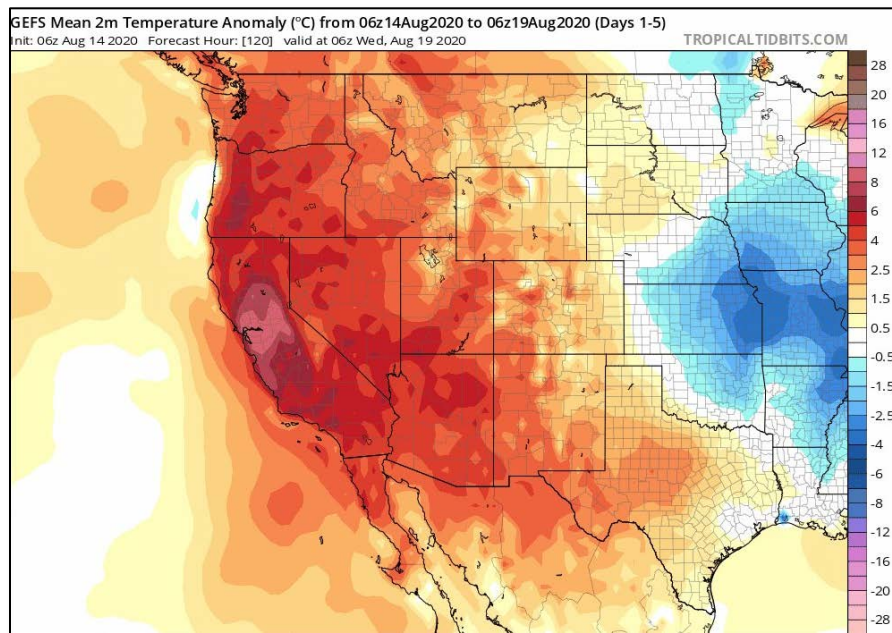
Metropolitan's mission includes the delivery of reliable water supplies to our member agencies in an environmentally and economically responsible way. That can't happen without access to a reliable and economical supply of electricity. This is where **Dyanne Kellough**, Team Manager of the Power Scheduling Team (PST) in the Power Operations and Planning Section comes in.



Dyanne and her team – **Jim Danielson**, **Sal Heredia**, **Jenny Li**, and Metropolitan newcomer **Scot Rolfe** – manage Metropolitan's participation in the California Independent System Operator (CAISO) electricity market. The power demands of the Colorado River Aqueduct can exceed 300 megawatts (MW) at full pumping flow (a megawatt is about enough power to serve 750 homes), and the team's job is to monitor the electricity markets to make sure Metropolitan is getting the best price. They also manage the marketing of energy and capacity from Metropolitan's hydroelectric assets at Hoover and Parker Dams on the Colorado River, as well as smaller hydro units scattered across Metropolitan's extensive distribution system.

When the 2020 energy crisis struck in August and September of last year— with energy supplies tight and prices spiking across the western United States— the PST swung into action, working with Desert C&D and Water Operations and Planning to make adjustments to CRA operations. This as well as other actions resulted in 300 MW of relief to an overloaded CAISO grid, as well millions of dollars in energy costs savings to Metropolitan. Similarly, when winter storm Viola caused natural gas shortages and constrained electric supplies in February 2021, the PST modified Hoover and Parker energy delivery schedules to maximize Metropolitan's contribution to the CAISO market, resulting in significant additional revenue.

With the summer starting and temperatures heating up, it's great to know that Dyanne and her capable team are always on task to ensure Metropolitan continues to make its reliable deliveries to the region while responsibly managing our power costs.



The 2020 summer extreme heat event caused the first rolling blackouts in California since the 2001 energy crisis