

# Memorandum

**To:** ISO Board of Governors  
**From:** Steve Berberich, President and Chief Executive Officer  
**Date:** May 9, 2018  
**Re:** CEO report

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*This memorandum does not require Board action.*

## OVERALL SYSTEM CONDITIONS

System operating conditions have been seasonally normal since the last Board update. While storms have caused some intermittency in the wind and solar output, that intermittency has been relatively predictable and therefore manageable.

On Friday April 20, the Mira Loma-Vincent 500kV line in the SCE area relayed on a single phase fault. When the line relayed, 860 MW of solar resources tripped due to voltage fluctuations in the area. The loss of solar resources during line relays has been a source of concern by the ISO and we have undertaken extensive outreach efforts to seek reprogramming of inverter settings so they have the capability to ride through these types of relays. We have also been collaborating with NERC to establish such capabilities as an industry-wide standard. Many of the ISO-based solar inverters have been reprogrammed but some are unable to be reprogrammed. To contend with the expected loss of the solar which has not been reprogrammed the ISO is carrying extra operating resources during certain operating conditions.

## RELIABILITY COORDINATOR SERVICES

The ISO continues to move on its initiative to set up its own reliability coordinator and offer those services to the West. We have hosted the first rates and terms meeting and are closely collaborating with WECC on our timelines and efforts. We expect to be up and running in our footprint by spring of 2019 after a period of shadowing the Peak service and then be ready to provide those services to others starting in the third quarter of 2019.

## SUMMER LOADS AND RESOURCES

At this Board of Governor's meeting, the ISO will present its outlook for the summer reliability scenarios. In general, the study indicates we are in a good position to handle various load scenarios this summer. However, in several scenarios, under plausible heavy load conditions, there is at least a 50% chance of being in a stage 2 condition where all that

remains are the 6% reserves. Public response to requests for demand reductions will be critical to manage the limited margins on high load days.

## **POWEREX & IDAHO EIM PARTICIPATION**

On April 4, 2018, Powerex and Idaho Power began participation in the Western Energy Imbalance Market. Both entities went live quite smoothly with only minor issues and both entities should be congratulated for their hard work and outstanding preparation to be ready as planned. There are now seven participating utilities in the EIM

## **EIM BENEFITS FOR Q1 2018**

First quarter benefits for EIM show an increasing benefit trend as more participants join and existing participants increase their exchange of power. Gross benefits for the first quarter of 2018 are calculated at \$42.08M bringing total benefits to \$330.52M since 2014.

## **RENEWABLE ENERGY PRODUCTION**

The most recent solar peak of 10,431 MW occurred on April 25, 2018 at 1:57 p.m. The most recent wind generation peak of 4,985 MW was set on May 16, 2017 at 5:26 p.m. We continue to also get significant renewable generation contributions from geothermal, small hydro and other sources contributing to our generation mix.