SMART WIRES
REIMAGINE THE GRID

Comments on the 2017-2018 Draft Transmission Plan

Submitted by	Company	Date Submitted
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Smart Wires appreciates CAISO's efforts throughout the 2017-2018 Transmission Planning Process. Smart Wires would like to express its support for the Draft Plan[1] in general, as well as support for two individual projects:

- **Vaca – Lakeville 230 kV Corridor Series Compensation Project.**[2] The project is in response to P2 and P6 contingencies in multiple scenarios including starting as early as 2019. We were glad to see that the CAISO validated Smart Wires' submission and recognize it as a "*feasible alternative for the Vaca-Lakeville 230 kV Corridor Series Compensation Project*."[3] We are happy to be able to contribute in a meaningful way to the TPP and look forward to working with PG&E in implementing this project.

- **South Bay – Moss Landing enhancements.**[4] As noted in the draft plan, these enhancements provide at least 400 MW of LCR reduction to the South Bay – Moss Landing area at a very reasonable cost of $14 M.[5] The LCR reduction is achieved through a combination of enhancements:
    - a re-rating (*Moss Landing – Los Aguilas 230 kV line*),
    - a re-scoping of a previously approved project (*South of San Mateo Capacity Increase*),
    - terminal equipment upgrades (*Moss Landing – Panoche 230 kV Path Upgrade*), and
    - power flow control (*San Jose – Trimble 115 kV Series Reactor*).

  This project demonstrates CAISO's keen ability to plan using a variety of tools to achieve a holistic solution that is best for consumers.

[1] http://www.caiso.com/Documents/Draft2017-2018_Transmission_Plan-Feb1_2018.pdf
[2] *Id.* at page 98
[3] *Id.* at page 103
[4] *Id.* at section 4.9.4 on page 259
[5] *Id.* at page 263

Both of these projects provide significant value to consumers and demonstrates CAISO commitment to a highly reliable grid at low cost to consumer.

Sincerely,

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About Smart Wires

Based in the San Francisco Bay Area, with offices in the United States, the United Kingdom, Australia and Ireland, Smart Wires is the leader in grid optimization solutions that leverage its patented modular power flow control technology. Driven by a world-class leadership team with extensive experience delivering innovative solutions, Smart Wires works with utilities globally to address the unique challenges of the rapidly evolving electric system. Smart Wires technology was developed by utilities for utilities, led by a consortium of large U.S. utilities at the National Electric Energy Testing Research and Applications Center (NEETRAC). This core group of utilities, which included Southern Company and the Tennessee Valley Authority (TVA), defined the vision for the original modular power flow control system. Today, the technology is rapidly becoming part of the utility tool kit as more and more electric utilities explore new ways to mitigate future uncertainties surrounding load and generation, alleviate congestion, improve network utilization and maintain reliable electric service.

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