

### **Decision on Dynamic Transfers**

Presenter: Mark Rothleder Director, Market Analysis & Development

Board of Governors Meeting General Session May 18-19, 2011



# Dynamic transfers allow external resources greater opportunity to deliver than hourly static schedule.



# Proposal clarifies existing tariff and extends dynamic transfers to renewable resources.

Feature	Current	Proposal
Resource eligible for dynamic transfer	Conventional-only	Extends to variable (renewable) resources
Pseudo-tie	Pilot (not in tariff)	Add to tariff
Transmission reservation	Based on energy schedule	Variable resources may use expected delivery
Schedule/Forecast Update	Based on actual delivery	Based on actual delivery or forecast
Compliance	Based on deviation band	Based on compliance with operating orders



# Stakeholders request greater opportunities for dynamic transfers to address commercial needs.

- Stakeholders want to:
  - Meet renewable portfolio standards
  - Have additional options for using dynamic transfers
  - Ensure reliability while managing risks of market participation

GE Energy study: no reliability need for ISO to limit dynamic intermittent resource imports

- ISO will monitor operational impacts
- Market can self-manage market risks



# Proposal addresses the following dynamic transfer issues:

Dreves	Applies to:	
Proposal	Dynamic Schedules	Pseudo- Ties
Transmission reservations, scheduling updates & forecasting, dispatchability & curtailment rules	Yes	Yes
Locational pricing	Yes	Yes
Pro rata allocation of deviations among BAAs	Yes	No
Aggregation of conventional & renewables	Yes	Yes
Generator-only BAAs	Yes	No
Dynamic exports	Yes	Yes
Layoffs from pseudo-ties	No	Yes
Multiple dynamic schedules	Yes	No
Non-firm transmission	Yes	No
Coordination with neighboring BAAs	Yes	Yes



# After extensive stakeholder process there is broad stakeholder support for the proposal.

• PG&E recommends establishing a limit on the amount dynamic transfers, equal to the intertie import limit.

ISO response:

- ISO will monitor for operational impacts
- ISO will publish quantity dynamic transfers registered
- Powerex believes a gap exists related to procurement and cost allocation of balancing reserves for variable resources.

#### ISO response:

- ISO recommends moving forward with dynamic transfers under the existing reserve framework
- Reserve procurement and allocation issues need global resolution



Management recommends the Board approve the dynamic transfer proposal.

The dynamic transfer proposal will:

- Expand the opportunity for resources
- Assist in meeting renewable goals
- Ensure reliability while managing risks
- Coordinate with neighboring balancing authorities
- Leverage existing functionality and experience
- Be fully implemented by spring 2013

