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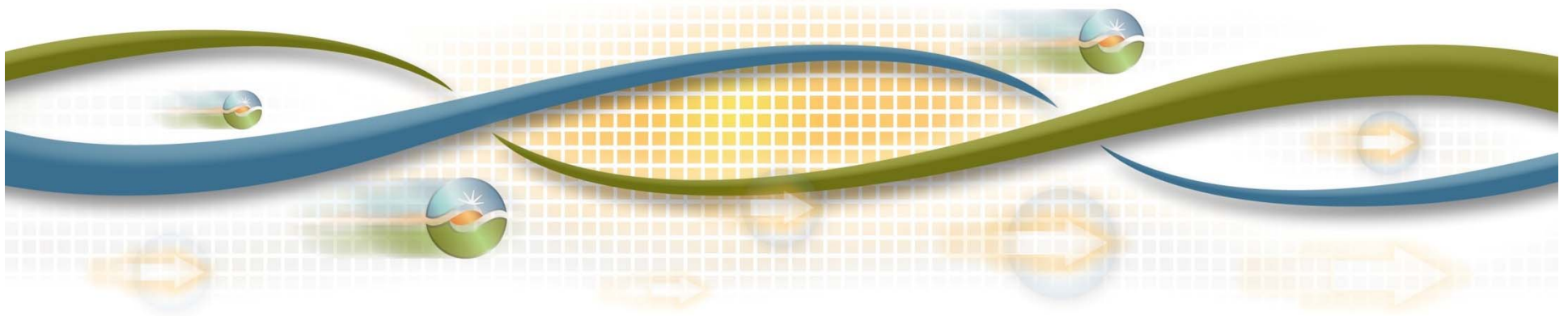
# Briefing on Peak RC's work on the enhanced curtailment calculator (ECC)

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General session

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## Background information

- Enhanced curtailment calculator (ECC) is envisioned to serve as a congestion management tool used by Reliability Coordinator to manage power system congestion within the Western Interconnection.
- The ECC project is envisioned to replace the current webSAS tool that currently manages curtailment for unscheduled flow mitigation for the major qualified path in the Western Interconnection.
- The ECC project has two phases:
  - Phase I will allow the Reliability Coordinator to identify contributing factors to overload and will be used for situational awareness
  - Phase II will allow for curtailment functionality

## ECC Phase I update

- Contract signed between Peak and OATI in early December 2014
- Project kickoff held January 8, 2015
- Initial rollout:
  - Current hour visualization targeted for Sept 30, 2015
  - Next hour visualization targeted for Dec 15, 2015

## ECC Phase II update

- Curtailment management
- Expected functional specification to be completed by September 1, 2015
- Development time is expected to be 6-9 months after delivery of functional specification

## ECC Phase II challenges to be resolved

- Curtailment management methodology
  - Potential use of similar methodology of the current curtailment methodology utilized for major qualified path in the Western Interconnection
  - Potential interaction with local Transmission Service Provider's local tariff
  - Order of actions and treatment of dynamic transfer, pseudo ties, un-tagged use of the system, and other generation re-dispatch.
- Potential need for tariff filing to amend/modify the current Western Interconnection protocol for unscheduled flow mitigation process and/or modification to the IRO-006-WECC-2 Standards.

## ECC Phase II

- Due to the potential challenges mentioned in the previous slide, ECC Phase II may be rolled out in three sub-phases:
  - Phase IIa – move current curtailment methodology for the major qualified path from webSAS to ECC.
  - Phase IIb – curtailment of non-firm transaction for facilities that are not considered major qualified path
  - Phase IIc – curtailment of firm transaction, native network load, dynamic transfer, pseudo ties, etc.



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# Questions/Comments

