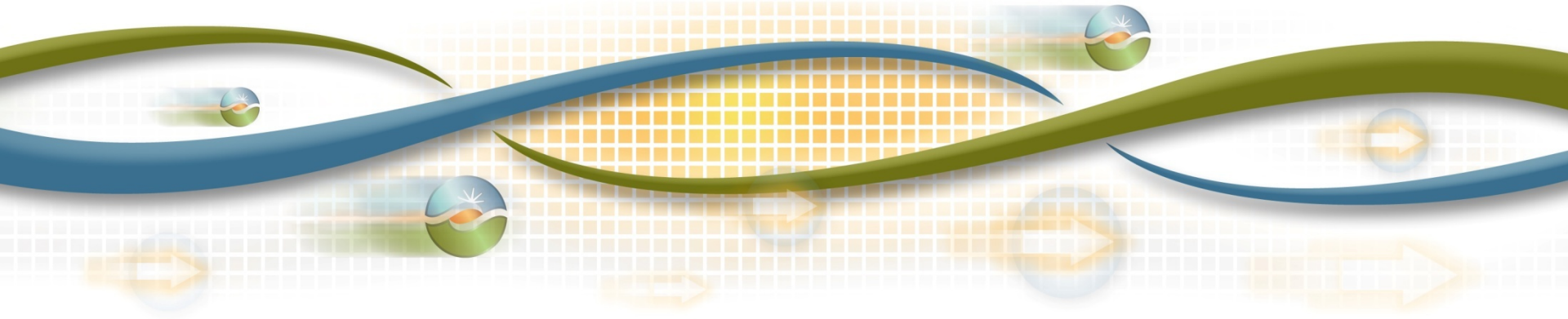


Decision on Outage Management System Proposal

Nancy Traweek
Executive Director, System Operations

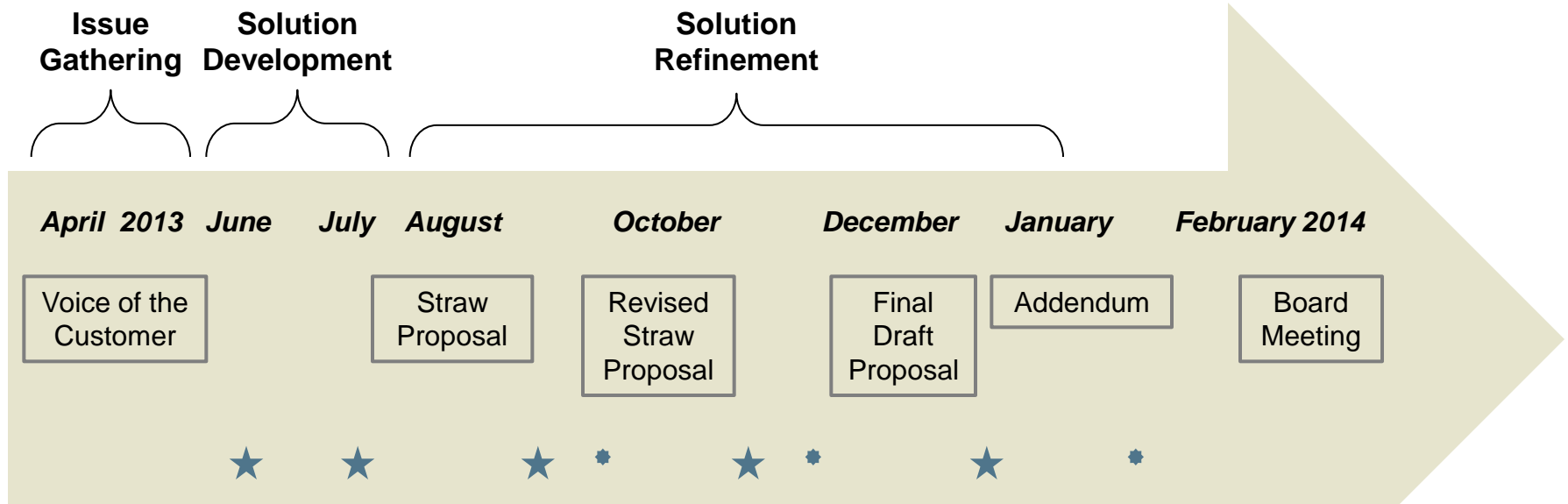
Board of Governors Meeting
General Session
February 6, 2014



Planned outage requests nearly doubled since 2004.

- Desired and expected aspect of a reliable grid and generation fleet
- Advanced coordination allows for proper reliability studies prior to approval
- Requests increased from 42,000 in 2004, to 82,000 in 2013
 - Aging infrastructure
 - General maintenance
 - Increased number of resources
- Approvals can take anywhere from minutes to days
 - Requires significant manual intervention
 - Once approved, real-time processing averages over eight minutes per outage

The ISO led a collaborative stakeholder process to explore issues and develop solutions.



- Three “Voice of the Customer” focus groups
- Five stakeholder calls ★
- Three rounds of written comments *

Management identified seven areas of outage rule modifications and process improvements.

	Current	Proposed
1	Multiple outage request templates	One outage request template
2	High-level resource outage reporting	Detailed resource outage reporting
3	Free-form text	Structured data
4	Manual processing via phone	Electronic processing where applicable
5	Three business day notice for resource outages	Seven calendar day notice for resource outages
6	Require forced outage report	Eliminate forced outage report
7	Ancillary service limitations submitted as free-form text	Ancillary service limitations submitted as structured data

Stakeholders expressed general support for the proposed changes.

- Management thoroughly considered stakeholder comments and revised areas of the proposal in response to concerns about impacts to standard capacity product
- Additional concerns have been addressed:
 - Costs associated with implementation
 - Shift of responsibilities from ISO to PTO
 - Electronic outage processing in real-time
 - Feasibility of implementation timeline
- Management continues to work with stakeholders to mitigate remaining concerns

Management recommends the Board approve the proposed changes.

- Outage management system and process improvements will provide multiple benefits:
 - Reduced reliability risk through enhanced automation
 - Improved outage reporting to Peak Reliability Coordinator
 - Efficient outage request processing
 - Alignment of outage timelines
 - Elimination of unnecessary reports