

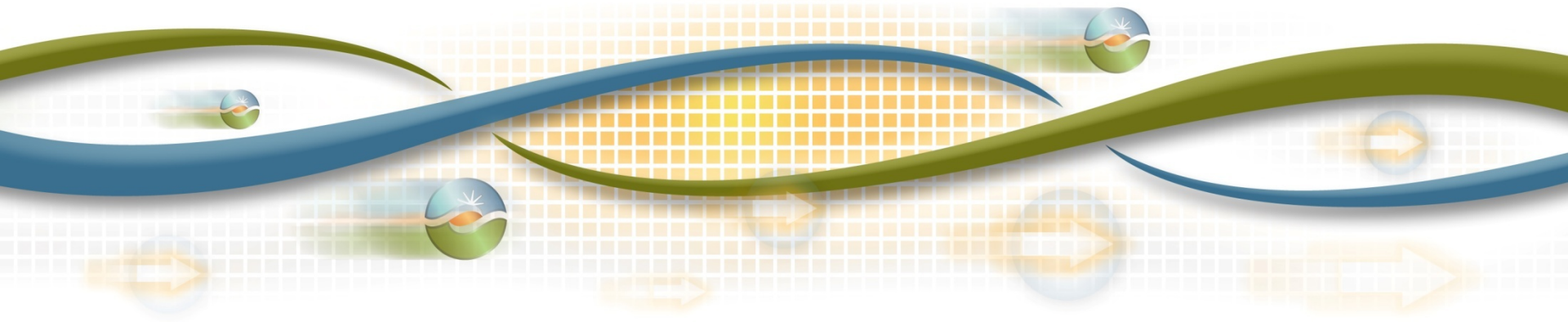


# Reliability Requirements Customer Partnership Group

April 2017

*Gautham Katta*  
*Operations Lead*

*Sandhya Balasubramanian*  
*Business Solutions Manager*



# Customer Partnership Group

## Scope and Objective

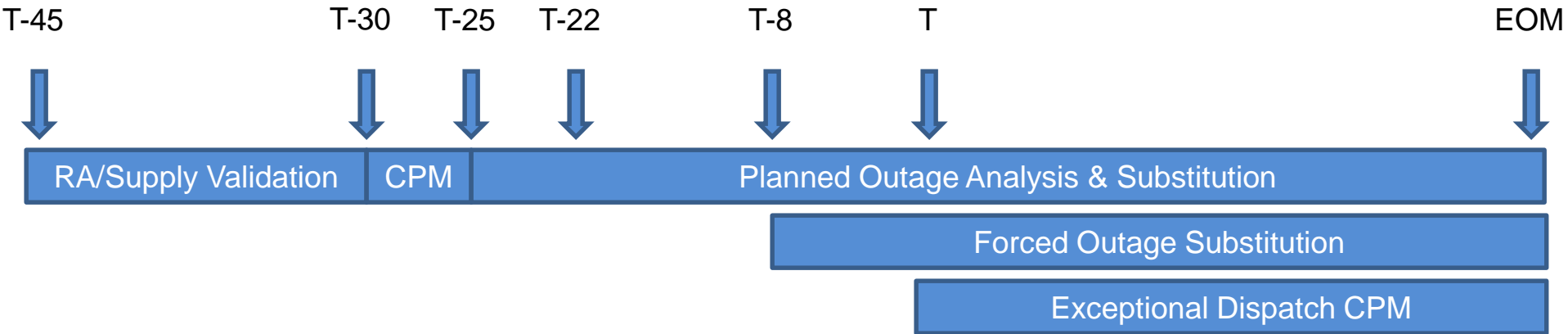
- Created in response to customer's request to have more involvement in the planning, design and usability validation phases of ISO application development
- Provide an open interactive partnership forum to identify potential opportunities to improve the overall customer experience
- Share ideas, opinions and provide feedback
- Discuss issues and concerns, and answer customer questions
- All ideas are welcome and will be considered based upon feasibility, prioritization and timeline constraints. Not all ideas may be feasible to implement
- Meetings vary in frequency to review progress, provide feedback on design and usability and discuss implementation approaches
- Active participation is critical to the CPG success and to improve our customer's experience interacting with ISO applications

# Agenda

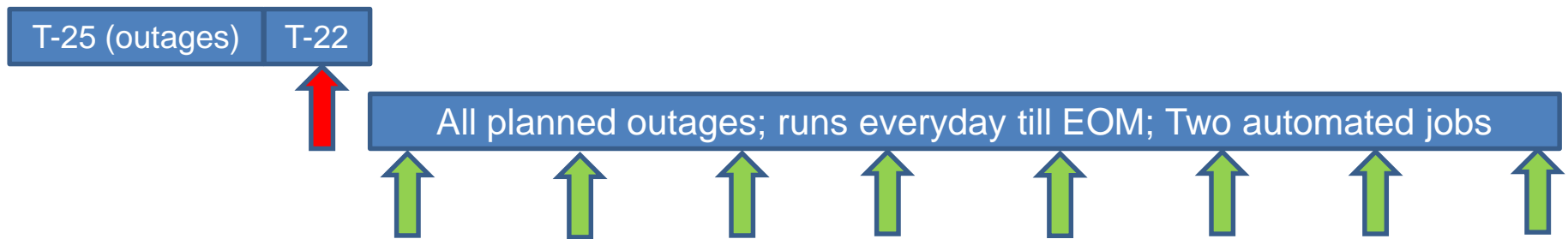
- RSI 1B Design for Planned Outage Substitution Obligation
- Product Backlog

# RSI 1B Design for Planned Outage Substitution Obligation

# Resource Adequacy Timeline



# Concept – Planned Outage Analysis



1. Outage analysis runs on T-25 using outages known as of T-25
2. Substitution requirement assigned on or before T-22
  1. This requirement doesn't change (Initial POSO)
3. Substitution requirement assigned everyday for any change in outages and new outages in system are assessed
4. ISO will display substitution requirement assigned at T-22 (Initial) and change in substitution requirement due to change in outages (Latest)

# Validation View

Submittal Type

Month Ahead

Target Period

April

Month

2017

Year

-Select-

Validation Type

Run ID	Validation Type	Plan Month	Plan Year	Date/Time	Created By	View Details
120	POSO	04	2017	3/15 10:22	ISO	 Initial POSO
121	POSO	04	2017	3/16 10:22	ISO	
122	POSO	04	2017	3/17 10:22	ISO	

Trade Day	Initial POSO	Latest POSO
4/1	1000 MW	
4/2	0 MW	
4/3	500 MW	
4/4	600 MW	

T-22  
analysis

T-22  
analysis

Trade Day	Initial POSO	Latest POSO
4/1	1000 MW	
4/2	0 MW	
4/3	500 MW	
4/4	600 MW	

T-10  
analysis

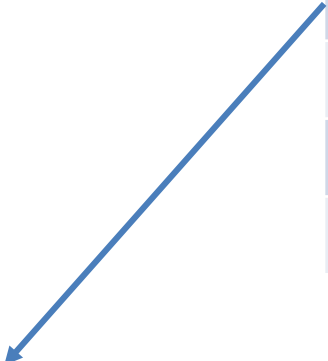
Trade Day	Initial POSO	Latest POSO
4/1	1000 MW	600 MW
4/2	0 MW	500 MW
4/3	500 MW	300 MW
4/4	600 MW	650 MW

T-5  
analysis

Trade Day	Initial POSO	Latest POSO
4/1	1000 MW	0 MW
4/2	0 MW	500 MW
4/3	500 MW	0 MW
4/4	600 MW	0 MW



Trade Day	Initial POSO	Latest POSO
4/1	1000 MW	
4/2	0 MW	
4/3	500 MW	
4/4	600 MW	



Resource ID	Impact MW	Outage ID	Supplier	Nature of Work	Opportunity	Priority Date
R1	249.99	O31	S1	PLANT_MAINTENANCE	Short Notice	3/1/2017 16:59:59 PM
R2	96.65	O29	S1	AMBIENT_DUE_TO_FUEL_INSUFFICIENCY	Off Peak	3/1/2017 23:59:59 PM
R3	205.6	O300	S1	ENVIRONMENTAL_RESTRICTIONS		6/12/2016 21:59:59 PM
R4	96	O128	S1	RAMP_RATE		12/21/2016 20:59:59 PM
R5	203.79	O39	S1	PLANT_MAINTENANCE	Off Peak	12/21/2016 20:59:59 PM

# User Interface – Planned Outage Substitution

- Submit substitution using UI
- Review substitution using UI
- Status at the substitute resource level not substitution level
- Substitution start date determines when substitution can be cancelled, if needed

# Release Planned Outage Substitutions

- ISO would like to move the release substitution functionality for planned outages to 2018
  - comments/concerns?

**Questions?**

## Product Backlog and Roadmap

[http://www.caiso.com/Documents/CIRARoadmap\\_ProductionBacklogApr192017.xlsx](http://www.caiso.com/Documents/CIRARoadmap_ProductionBacklogApr192017.xlsx)