



California ISO

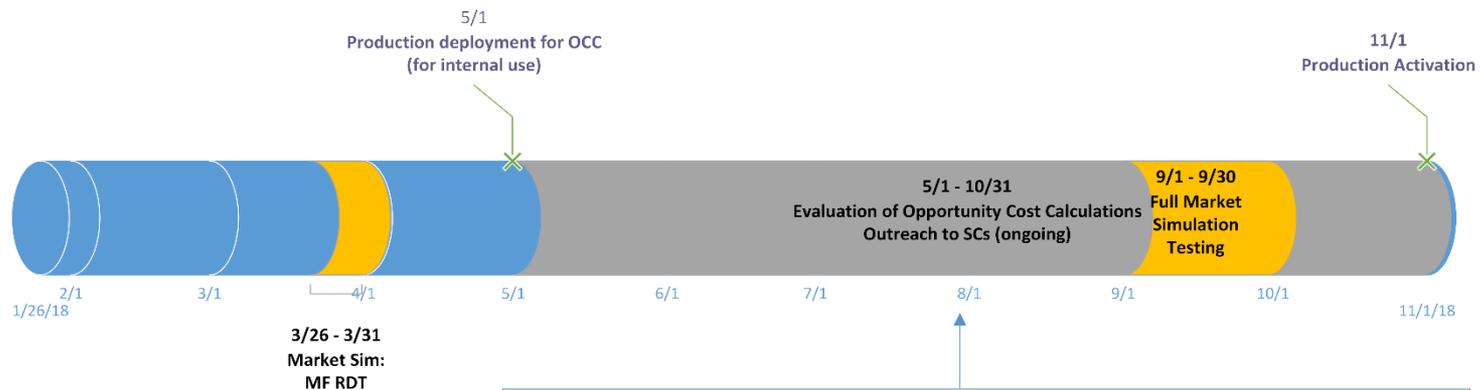
# Commitment Costs Enhancements Phase 3 (CCE3)

## March Market Simulation Guidance

March 22, 2018

# Spring 2018 - Commitment Cost Enhancements Phase 3 Timeline

## CCE3: Project Timeline, Deployment Dates, Major Milestones



### Discovery/Evaluation Timeframe: Expectations

- New process to be defined; primarily an internal CAISO effort
- CAISO will identify resources impacted, type of constraints they have, and what time of eligibility period they will declare (monthly, annual, rolling)
- CAISO will then identify the formulation for calculation of opportunity costs (i.e. types of constraints that fit into model)
- CAISO can then validate the type of constraint declared and how constraints are translated into any of the three defined model constraints in the system
- CAISO will also be able to separate the resources that go into formula-based calculation versus resources that fall into negotiated opportunity costs.
  - For the negotiated option, CAISO will identify how to determine negotiated opportunity costs, which will be tailored to each resource.
- Planning for simulation of OCC in September, including integration of the OCC so that MPs can see adders flowing into SIBR and available in CMRI.
- Prior to November 1<sup>st</sup>, data will not be flowing downstream (publication explicitly blocked). During this period CAISO will interact with each MP depending on the specifics of their resources. This will be tracked via CIDI tickets.

# Scope of Testing: What Will Participants See That Is New?

- MasterFile RDT Changes
  - Deploy RDT changes described for CCE3, BREB, RSI
  - Following slides excerpted from prior RUG presentations provide a helpful summary of new features

# Master File Updates & Clarifications

## Spring Release of MF GRDT includes CCE3, BREB, and RSI attributes

- GRDT version 12 and Tech Spec 4.1.1 have been posted since June
- The Spring RDT and Tech Spec was updated in December to include recent changes (e.g. ICE Hub)
- GRDT Highlights (Following slide has the time lines)
  - RESOURCE tab – Add Electric Region (R/O), Market Max Daily Starts (R/W), COM MW (R/O), Power Price Hub (R/O)
  - Ramp Tabs (Resource & Configuration : Operational, Regulation, and Op Reserve) – Add Market Ramp Rate (R/W); discontinue supporting Min/Worst Ramp Rate (submitted values will be ignored starting in Fall 2018)
  - CONFIGURATION tab – Add Implied Starts (previously documented as CT Starts) (R/W)
  - TRANSITION tab – Add Market Max Daily Transitions (R/W), Implied Starts (R/O)
- ULPDT Highlights
  - Add Configuration ID
  - ULPDT will be loaded via Batch Process with automated Batch Status notification
  - Compare Report available
  - Validation Rules will continue to appear on UI, not in a separate Validation Report

# Master File GRDT Clarifications

	Active in Master File	Active in Market
Electric Region	Fall 2017 (BREB)	Fall 2017
COM MW	Fall 2017 (RSI)	Fall 2017
Market Max Daily Starts	Spring 2018 SC may update value via the GRDT/Master File UI, but no market impact until Fall 2018	Fall 2018
Power Price Hub	Spring 2018 CAISO will populate	Fall 2018
Market Ramp Rate (Operational, Operating Reserve, Regulation)	Spring 2018 SC may update value via the GRDT/Master File UI, but no market impact until Fall 2018	Fall 2018
Min/Worst Ramp Rate to be discontinued	Values remain active in market until Fall 2018	Discontinued Fall 2018
Configuration: Implied Starts (needed; no default value)	Spring 2018 SC may update value via the GRDT/Master File UI, but no market impact until Fall 2018	Fall 2018
Transition: Market Max Transitions	Spring 2018 SC may update value via the GRDT/Master File UI, but no market impact until Fall 2018	Fall 2018
Transition: Implied Starts	Spring 2018 Value is derived from Configuration Implied Starts. No market impact until Fall 2018	Fall 2018

# Scope of Testing: What Will Participants See That Is New?

- MasterFile Use Limit Plan Changes
  - ULPDT validation rules updated
    - Recommend testing with production-quality ULP data to identify any conflicts with planned production submissions
    - Submit ULPs in MAP Stage
    - Review Master File User Guide for ULPDT guidance
  - Updated API
    - Review Tech Spec; API is for Generator RDT
  - Updated UI
    - New UI is described in Master File User Guide
    - ULPDTs will be processed similarly to RDTs

# Expected March Market Sim Test Results

- MasterFile results only
  - Will not see outcomes of data submitted
  - MPs will see outcomes of data submitted during September Full Market Simulation

# Testing Schedule

- Expected effort:
  - MasterFile testing: approximately 1 day
- Environment availability
  - MAP Stage available for Market Sim
    - 26 March to 31 March
    - MAP Stage will remain open after 31 March

# Frequently Asked Questions

- If MPs testing is unsuccessful, will the issue(s) be resolved prior to 5/1 go-live?
  - Yes; deployment plan is based upon applying all fixes before 5/1
- The changes that affect production are limited to Master File only; new validation rules, new method for submitting ULP and RDT updates
- Please use production-quality data instead of mock/test data for MasterFile; this allows for validation of planned submissions in advance of production deployment
- ULPs submitted after 5/1 are binding as of submission

# Frequently Asked Questions

- If participants do not conduct any testing, there will be no negative impact
  - However, starting 5/1, MP will see changes to MF described
- Since valid ULPs can only be submitted by participants, the ISO encourages participation; the more data, the more thorough the test result
- After 5/1, if you have MSG units, you will have to use GRDT v12.0