Settlements Configuration Release, Market Simulation, and PRR

For Market Settlements User Group

Status Report Date: 6/13/2018

By: Market Settlements Design and Configuration (MSDC)

External Use

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- Spring 2018 release
  - Issue found on generic availability calculation for RAAIM PC
    - Market Simulation trade dates 5/9 and 5/10
      - Daily and monthly statements, mini-monthly invoice published May 14.
    - Deployed to production on 5/30, with effective Trade Date of 6/1/18

- June 2018 quarterly release
  - Covers PRR 1055 and 1060
  - Draft configuration output file published 6/6/18 to website found under the ***June 2018 release > Draft settlements technical documentation*** headings at: http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx
  - Production Deployment is June 25, 2018; effective dates are provided in posted PRR and BPM.

- Fall 2018 Configuration release and Market Sim
  - Updated Draft Technical Documents = planned for Thursday, June 28, 2018
  - 1st draft configuration output file = planned for Thursday, June 28, 2018

California ISO

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PRR/BPM status:

- **2nd Comment Period**: 5/30/18 to 6/13/18
  - **1055** - Update the Pre-calculation MSS Deviation Penalty Quantity configuration to properly account for MSS LF IIE for an MSS LF resource with no DA Award but dispatched in RTM (Effective Date: 10/1/2014)
  - **1058** - Updated BPM Configuration guide for PC RA Availability Incentive Mechanism to accommodate Gen Availability Resource Adequacy issue (Effective Date: 6/1/2018)

- **1st Comment Period**: expired 6/5/18
  - **1060** - Updated BPM Configuration guide for PC RA Availability Incentive Mechanism to accommodate DRAM Resource Adequacy waivers and NRSS Resource Adequacy exemptions (Effective Date: 7/1/2018)
    - NOTE: The Effective Date for the NRSS changes will be updated to 11/1/2016. BPM v5.7 currently attached to the PRR will be replaced with multiple versions (split from v5.7) due to this Effective Date change. We target to make these changes within this week.   DRAM changes will remain effective 7/1/2018.

- **Next BPM meeting will be held on 6/26/18**

Settlements BPM/Configuration Guide Versioning Proposal

BPM version	Effective dates	In production	With retrospective changes going back to 11/1/2016	
			New version with old setup	New version with proposed setup
5.4	11/1/16 - 4/30/18	Yes	Becomes 5.7	Becomes 5.4.1
5.5	5/1/18 - 5/31/18	Yes	Becomes 5.8	Becomes 5.5.1
5.6	6/1/18 - 6/30/18	Yes	Becomes 5.9	Becomes 5.6.1
5.7	7/1/18 - 10/31/18	No	Becomes 5.10	Keep 5.7
5.8	11/1/18 - Open	No	Becomes 5.11	Keep 5.8

- Recommended numbering scheme follows: MAJOR.MINOR.PATCH
  - similar to what's described for Semantic Versioning by Tom Preston-Werner at https://semver.org/
- For our Configuration Guide/BPM for Settlements version, given a version number MAJOR.MINOR.PATCH, increment the:
  - 1. MAJOR version for major market changes, such as introduction of MRTU.
  - 2. MINOR version for adding functionality in a backwards-compatible manner. This can come from market initiative or production issue fixes with prospective dates.
  - 3. PATCH version for making backwards-compatible bug fixes. *This part is optional and may or may not appear*. This part can come from production issue retroactive date fixes.
  - Document only changes are provided as letters, a, b, c,.., such as 5.3a (in case document only update to 5.3), or 5.3.1c (in case document only update to 5.3.1b).

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RAAIM calculation missing planned outage data from CIRA:

The RSI/RAAIM Scalable projects went live on 5/1/2018. The RAAIM settlements charge types are split, where availability is calculated daily, and penalties/incentives are calculated monthly. The initial T+3B monthly statement for May 2018 was published on 6/5/2018 (advisory for RAAIM). The T+12B monthly statement will be published on 6/18/2018.

With the RSI CIRA deployment on 5/1, there was an issue with the automated batch job for publishing all planned outages from CIRA to settlements. Planned outages were not getting to settlements. The daily availability calculation for the RAAIM was calculating without planned outage information. After the May RAAIM monthly statement came out on 6/5/2018, the ISO began to receive CIDI tickets that the results did not look correct.

Market participants are able to see daily their RAAIM Pre-calculation results output in CIRA (See screen shot). They can view and monitor their exemption outage MW for the previous day. During Market Simulation, the automated batch job was not used, the team manually sent outages over to settlements. The automated job was not used because historical dates were used for the calculation, and because less than a month of data was being calculated.

The permanent fix for the CIRA batch job is in development and is expected to go into production by 6/27 In the meantime the ISO has re-run the RAAIM Pre-calculation runs in CIRA starting 5/1/18 and the results are in CIRA for them to see. However, because RAAIM availability calculations are calculated with the daily settlement run, we cannot re-run the daily RAAIM availability calculations back to 5/1/2018.

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