Settlement User Group

April 15, 2020 10:00 a.m. – 11:00 a.m. (Pacific Time)

<table>
<thead>
<tr>
<th>Web Conference Information</th>
<th>Conference Call Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address: <a href="https://caiso.webex.com/meet/settlementuser">https://caiso.webex.com/meet/settlementuser</a></td>
<td>Dial-in Number: (866) 528-2256</td>
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<tr>
<td>Meeting Number: 961 854 046</td>
<td>International Dial-in: (216) 706-7052</td>
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<tr>
<td>Audio connection instructions will be available after connecting to the web conference. When prompted, select &quot;Call me&quot; and enter the phone number you will use during the call. You will be called by the conference shortly.</td>
<td>Access Code: 673 78 64</td>
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</tbody>
</table>

Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publically available on the ISO web page for a limited time following the meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO’s permission. The recording will be posted on our website and be available for a short period of time until April 29, 2020.

Please mute your phone and do not put it on hold while the discussion is going on in order to eliminate background noise. There will be an opportunity to ask questions after each topic, but before asking your question, please state your name and affiliation. Thank you.
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 – 10:05</td>
<td>Welcome, Introduction and ISO Roll Call</td>
<td>Tyler DuBeshter</td>
</tr>
<tr>
<td>10:05 – 11:00</td>
<td>Market Settlements</td>
<td>Uma Ramanathan</td>
</tr>
<tr>
<td></td>
<td>– Dispute Topics</td>
<td>Jeremy Malekos</td>
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<tr>
<td></td>
<td>– CRR 1b Post Implementation Updates</td>
<td>Jeremy Malekos</td>
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<tr>
<td></td>
<td>– Spring 2020 – Settlement Release Scope and Milestones</td>
<td>Brenda Corona</td>
</tr>
<tr>
<td></td>
<td>– Fall 2020 – Settlement Release Milestones</td>
<td>Rashele Wiltzius</td>
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<td></td>
<td>– PRR and BPM Updates</td>
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<td></td>
<td>Customer Readiness</td>
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<td></td>
<td>– ISO Computer Based Training Programs</td>
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</table>
Dispute Topics

At the last meeting, one of the market participants has suggested that we provide various Dispute topics at this meeting.

CAISO communicates Market issues in accordance with Appendix G of the Market Operations BPM, which states as follows:

Depending on the nature of the market issue, the communication may occur through one of the CAISO’s market related participant conference calls or one of the CAISO’s meetings such as the Market Performance and Planning Forum, but may also occur through market notices. To the extent that the Market Issue only affects specific market participants and does not affect the market as whole, the CAISO will communicate separately with the affected Market Participants.
The Settlements User Group is one of “CAISO’s market related participant conference calls”.

- **ED Settlement** – CAISO shared this topic at the last meeting since this issue has a material impact to **all** the market participants. We will continue to share relevant market issues whenever they impact **all** market participants.

- **SC specific disputes** – CAISO will not able to release SC specific information. However, if the CAISO sees any common themes in our disputes, we will create a knowledge article and publish them through the CIDI interface.

When we publish Knowledge Articles, we will review them at this meeting. Thanks for raising this question to us. You can rest assured that we are making efforts to be as transparent as possible to share the information with all of you.

- Please reach out to your Client Rep or Dispute team if you have any specific questions regarding disputes and we will address those questions individually.
CRR 1b Post Implementation Updates

- Congestion revenue rights data transparency enhancements
  - Market simulation calendar:
    - Market Simulation - Finished
      - Published
        - Daily Initial 24-Mar, 25-Mar
        - Monthly Initial 24-Mar - 25-Mar
  - Congestion Revenue Rights training
    - [http://www.caiso.com/participate/Pages/LearningCenter/CongestionRevenueRights.aspx](http://www.caiso.com/participate/Pages/LearningCenter/CongestionRevenueRights.aspx)
Spring 2020 - Settlement Release Scope and Milestones

Spring 2020 Settlement Release
• Scope:
  – **Project:** Black start system restoration phase 2 - tech docs posted on 2/10
  – **Production Variances:** RC enhancement
• 1\(^{st}\) draft configuration output files + release component summary **published on 2/25:** two files, 1 Market and 1 RC
• 2\(^{nd}\) draft configuration output files publication not needed.
• Release component summary update **sent on 3/19**
• Pre-prod configuration output files and Design Standard updates = **to post 4/22**
• Production deployment planned for **4/29**
<table>
<thead>
<tr>
<th>Project</th>
<th>Charge Code</th>
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</thead>
<tbody>
<tr>
<td>Excess behind the meter production implementation (EBTMP)</td>
<td>6046, 6474, Ancillary Services PC, Measured Demand Over Control Area Excluding MSS Energy PC, Measured Demand Over Control Area PC, MSS Deviation Penalty Quantity PC, MSS Netting PC, Real Time Energy Quantity PC</td>
</tr>
<tr>
<td>Market settlement timeline transformation (MSTT)</td>
<td>6474, 64740</td>
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<tr>
<td>Energy storage and distributed energy resources (ESDER 3B)</td>
<td>Spin, Non Spin, No Pay Quantity PC, RUC No Pay Quantity PC</td>
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</tbody>
</table>

*Note does not include all projects - settlements only*
### Project Charge Code

<table>
<thead>
<tr>
<th>Project</th>
<th>Charge Code</th>
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<tbody>
<tr>
<td>Intertie deviation settlement – implementation (IDS)</td>
<td>6455 (Terminated)</td>
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<tr>
<td></td>
<td>6457 (Terminated)</td>
</tr>
<tr>
<td></td>
<td>6456 (New)</td>
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<td></td>
<td>6458 (New)</td>
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<tr>
<td>FERC Order No. 841 requested adjustment</td>
<td>TBD</td>
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## PRR and BPM Updates

<table>
<thead>
<tr>
<th>PRR</th>
<th>Title</th>
<th>BPM</th>
<th>Stage</th>
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<tbody>
<tr>
<td>1240</td>
<td>Congestion revenue rights clarifications</td>
<td>Congestion Revenue Rights BPM Version 27:sections 7.2.2, 7.3.1, 7.3.2.2.5 and Attachment J</td>
<td>Initial comments expire on 4/14</td>
</tr>
</tbody>
</table>
| 1234 | Updated BPM configuration guides for CC 5701 and CC 5705 to allow for correct settlement of the reliability coordinator minimum charge for entities onboarding outside of April 1 timeline | CC 5701 RC Services Charge_5.1  
CC 5702 RC Services Late Payment Penalty_5.0a  
CC 5705 RC Services Charge Allocation_5.1  
BPM for Settlements and Billing_v25 | Recommendation expire on 4/14  
Next stage is Final decision |
| 1233 | Updated configuration guides for CC 1001, CC 1101 and CC 3101 and created new BPM configuration guides for CC 3102 and CC 1102 with regard to settlement and invoicing impacts from Black start system restoration phase 2 initiative | CC 1001 Black Start Energy Payment 5.4  
CC 1101 Black Start Capability Allocation_5.0  
CC 3101 Black Start Capability Settlement_5.0  
CC 1102 Black Start Capability Allocation_5.0  
CC 3102 Black Start Capability Settlement_5.0  
BPM for Settlements and Billing_v25 | Recommendation expire on 4/14  
Next stage is Final decision |

Next BPM PRR review monthly web conference meeting is on Tuesday, April 28, 2020 at 11 AM
ISO Computer Based Training Programs

These courses are organized into learning tracks that are designed to be an industry resource for market participants and the general public to learn about electric grids and markets, and the ISO’s role in the electricity system.

Visit caiso.com Learning Center web page to access our training calendar, register for courses and find other informational resources: http://www.caiso.com/participate/Pages/LearningCenter/default.aspx

Computer Based Training – Settlements

<table>
<thead>
<tr>
<th>Settlements</th>
<th>Details</th>
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<tbody>
<tr>
<td>Metering Overview</td>
<td><a href="http://www.caiso.com/CBT/MeteringOverview/MeteringOverview.html">http://www.caiso.com/CBT/MeteringOverview/MeteringOverview.html</a></td>
</tr>
<tr>
<td>Additional MRI-S (must have certificate)</td>
<td>Market participant portal</td>
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Webinar

ISO Customer Readiness trainers have cancelled in person trainings

Welcome to the ISO | April 16, 2020

New initiatives training courses on the learning center web page

CustomerReadiness@caiso.com
Next SUG: April 29, 2020

Contact for Questions & Agenda Requests: settlementuser@caiso.com

Stay connected

@ISOSettlements  Download ISO Today mobile app  Daily Briefing at www.caiso.com
Settlement References

- Ways to Participate in Settlements
- Settlement Timeline
- Knowledge Articles
- ISO Settlements Twitter Page
- SUG meeting calendar for 2020
- Trivia Corner
Ways to participate in settlements

- ISO Settlements Twitter Page
  - https://twitter.com/isosettlements
  - Additional information see slide 16 and 17
- Visit the Settlements page
- Attend meetings
  - Settlement User Group (SUG) bi-weekly meetings
    - Settlement only status updates
    - Initiative status with settlement updates
    - System change with settlement updates on independent releases
  - BPM PRR Change Management monthly meeting
    - Settlement and Billing BPM status updates
- Knowledge Articles available see slide 13
- Submit CIDI ticket for questions
## Settlement Timeline

### Selected Option 1: Trade Date Specific Cutover

<table>
<thead>
<tr>
<th>TRADE DATES</th>
<th>3B</th>
<th>9B</th>
<th>12B</th>
<th>55B</th>
<th>70B</th>
<th>9M</th>
<th>11M</th>
<th>18M</th>
<th>21M</th>
<th>24M</th>
<th>33M</th>
<th>36M</th>
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<tbody>
<tr>
<td>1/1/2021-forward</td>
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<td>12/31/2017 - 12/31/2020</td>
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**Benefits:**
- Straight forward (clean cut) transition

**Effective date for change**
- 1/1/2021
CAISO has posted **Knowledge Articles** for FAQs in CIDI.

To access the articles in CIDI, you either:

**Option 1:** Type in the keyword "**Identify**" in the search field to pull up the article, or

**Option 2:** Click on the **Knowledge Articles** tab, and then click the **Settlements and Metering** category link to pull up a list of the Settlements related articles.

**Posted Knowledge Articles to date:**
- RC rate location
- RC Informational Statement
- RC services charge
- 2019 prorated RC charge
- Payment calendar
- ED-DPMIN
- After-the-Fact EIM Manual Dispatches from ISO systems
ISO Settlements Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications
ISO Settlements Twitter (cont.)

- Please take the opportunity to follow @ISOSettlements on Twitter by downloading the Twitter application to any mobile device
- Twitter feed can be accessed on any web browser
- No account required to view the Twitter feed and posts
Settlement User Group Calendar

2020
Market Services
Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on www.caiso.com.

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Settlement User Group

Thank you for participating in our call

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Receive notifications on the go