Settlement User Group

May 27, 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>
</tr>
<tr>
<td>Meeting Number: 961 854 046</td>
<td>International Dial-in: (216) 706-7052</td>
</tr>
<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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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 publicly available on the ISO web page for a limited time following the meeting. The recording, 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 June 10, 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.
## Settlement User Group Agenda

**Wednesday, May 27, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
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<tbody>
<tr>
<td>10:00 – 10:05</td>
<td>Welcome and Introduction</td>
</tr>
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<td>10:05 – 11:00</td>
<td>Settlements</td>
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<td></td>
<td>- Market Settlement Timeline Transformation updates</td>
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<td></td>
<td>- CRR 1b Post Implementation</td>
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<td></td>
<td>- Fall 2020 – Settlement Release Milestones and Scope</td>
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<td>- Q4 2020-Settlement Release Scope</td>
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<td>- PRR and BPM Updates</td>
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<td>- Customer Service Spotlight On: EIM</td>
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<td>- ISO Webinars</td>
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<td></td>
<td>- New EIM Settlements Training Resources</td>
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<td>- Settlement Corner</td>
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<td>- New Knowledge Articles</td>
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**Presenter**

- Tyler DuBeshter
- Karen Voong
- Jeremy Malekos
- Brenda Corona
- Rashele Wiltzius
- Jonas Cruz and Uma Ramanathan
Market settlement timeline transformation (MSTT) updates

Draft Tariff Language posted on May 20, 2020

- Please submit comments to initiativecomments@caiso.com by June 3, 2020

Meeting Details:
- Date: June 5, 2020
- Time: 10 a.m. - 12 p.m. Pacific Time

Participation Information
- Step 1: call 1-877-369-5230, access code: 0877526##
- Step 2: join web conference
- Technical support: call the AT&T Help Desk at 1-888-796-6118

Draft CAISO Payment Calendar will be posted on Friday, May 29, 2020
Summary of change:

• **Issue:** CRR options are not receiving adequate payment for their CRR. This issue is due to the netting of notional values across time intervals when the option is in the counter flow vs. flow direction. The CRR option should receive a payment in the flow direction and not receive a payment when the sink exceeds the source.

• **Solution:** This enhancement will run prior to the CRR1B calculation process. The source and sink MCCs shall be compared for each option CRR and each hour. If the value of sink MCC -source MCC is positive, then the CRR shall be included in the CRR1B calculations for that hour. If the value is zero or negative, then the CRR shall not be included. This shall be an hour by hour comparison. A possible outcome is that an option CRR is considered in CRR1B for some hours but not all hours.

–This change will be effective **1/1/2019**, **Production deployment 6/3/2020**
Fall 2020 - Settlement Release Milestones

Initial Release Milestones as follows:

- **1\textsuperscript{st} draft technical documentation to post** = 5/29: *ON TRACK*
- **1\textsuperscript{st} draft configuration output file + initial release component summary** ETA = 6/15: *ON TRACK*
- **Post 2\textsuperscript{nd} draft technical documentation updates + initial FERC 841** = 6/26
- **2\textsuperscript{nd} draft configuration output file + updated release component summary** ETA = 7/24
- Fall release market sim
  - connectivity start scheduled for 7/27
  - please stay informed by participating in [Release User Group](#) (RUG)
## Fall 2020 - Settlement Release Scope

<table>
<thead>
<tr>
<th>Project</th>
<th>Charge Codes/Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excess behind the meter production (EBTMP)</td>
<td>6046, 6474, 6788, Ancillary Services PC</td>
</tr>
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<td></td>
<td>Measured Demand Over Control Area Excluding MSS Energy PC</td>
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<tr>
<td></td>
<td>Measured Demand Over Control Area PC</td>
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<tr>
<td></td>
<td>MSS Deviation Penalty Quantity PC</td>
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<td></td>
<td>MSS Netting PC</td>
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<td></td>
<td>Real Time Energy Quantity PC</td>
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<tr>
<td></td>
<td>ETC_TOR_CVR QTY PC</td>
</tr>
<tr>
<td>Effective date: 1/1/2021</td>
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<tr>
<td>Intertie deviation settlement – implementation (IDS)</td>
<td>6455 (Terminated), 6457 (Terminated)</td>
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<td></td>
<td>6456 (New), 6458 (New)</td>
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<td></td>
<td>System Resource Deemed Delivered Energy Quantity PC</td>
</tr>
<tr>
<td>Effective date: 10/1/2020</td>
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<tr>
<td>Energy storage and distributed energy resources (ESDER 3B)</td>
<td>Spin, Non Spin, No Pay Quantity PC</td>
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<td></td>
<td>RUC No Pay Quantity PC</td>
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<tr>
<td>Effective date: 10/1/2020</td>
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</table>
## Market settlement timeline transformation (MSTT)

**Effective date:** 1/1/2021

<table>
<thead>
<tr>
<th>Charge Codes/Impacts</th>
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<tbody>
<tr>
<td>6474*</td>
</tr>
<tr>
<td>64740*</td>
</tr>
<tr>
<td>Real Time Energy Quantity PC*</td>
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</tbody>
</table>

*These are design only. Configuration Guide change not expected for these charge codes but will be reflected have daily initial runs that include UFE (CC 6474, 64740), MSS Deviation Penalties (CC 1407, 2407), EIM Transfers and EIM Bid Cost recovery uplift allocation.

## FERC Order No. 841 – requested adjustment

**Effective date:** 10/1/2020

- IFM Net Amount PC
- RTM Net Amount PC
- Real Time Energy Quantity PC
- RUC Net Amount PC

## ADS Replacement

*No Settlement configuration impact; MRI-S only: ADS data will only be available for 30 days, Market participants will need to download and store this data beginning 10/1/2020.*
<table>
<thead>
<tr>
<th>Project</th>
<th>Charge Codes</th>
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</thead>
<tbody>
<tr>
<td>Day Ahead Nodal Model Pricing Project</td>
<td>6011, 6790, 6947</td>
</tr>
<tr>
<td>Effective Date: 1/1/2021</td>
<td>6630, 6636, 6637</td>
</tr>
<tr>
<td></td>
<td>4515, 4560</td>
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<tr>
<td>Nodal Pricing Model PC</td>
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*Subject to change*

*Note does not include all projects- settlements only*
<table>
<thead>
<tr>
<th>PRR</th>
<th>Title</th>
<th>BPM</th>
<th>Stage</th>
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<tbody>
<tr>
<td>1244</td>
<td>Updated BPM configuration guide for CC 6045 Over and Under Scheduling EIM Settlement to align the documentation with current active settlement configuration</td>
<td>CC 6045 Over and Under Scheduling EIM Settlement 5.1a and 5.2a</td>
<td>Initial expired on 5/19-recommendation</td>
</tr>
</tbody>
</table>

- Next BPM PRR review monthly web conference meeting is on Tuesday, June 23, 2020 at 11 AM
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](http://www.caiso.com/participate/Pages/LearningCenter/default.aspx)

## Computer Based Training – Settlements

There are more than 20 computer based training modules on the ISO website covering:

<table>
<thead>
<tr>
<th>Module</th>
<th>Link</th>
</tr>
</thead>
<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>
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### Webinar

ISO Customer Readiness trainers have cancelled in person trainings

**Welcome to the ISO**

July 9, 2020

**ISO Training Workshop (Day 3 Settlements)**

August 18 – 20, 2020

New initiatives training courses on the learning center web page

CustomerReadiness@caiso.com
Customer Readiness Spotlight On...

Settlements Foundational Concepts (EIM)

- Settlements Basics
- Validating Settlements
- Resolving Common Settlements Issues
New EIM Settlements Training Resources

New Train-the-Trainer toolkit

- PowerPoint, participant guide, skill assessment and key, learning activity, training admin documents, etc.
- Available through Accellion
- Provided after Train-the-Trainer attendance (or in July for all other EIM customers)
  - Train-the-Trainer dates:
    - June 15th – June 18th
    - June 22nd – June 25th
    - July 6th – July 9th
  - Settlements training done on Day 3
- Recording of EIM Settlement Train-the-Trainer recording available on Accellion in Toolkit
- Email us (CustomerReadiness@caiso.com) for registration or Accellion access information
Settlement Corner: New knowledge articles

- One Knowledge Article is to help market participants to understand the data points to validate Mitigated prices in DA, RTPD (FMM) and RTD.
  - Understanding the data points to validate prices in Day-Ahead (DA), Real-Time Pre-Dispatch (RTPD) and RT Dispatch (RTD) that were mitigated through the Market Power Mitigation (MPM) process
    - Link

- Second Knowledge Article is to help market participants to understand the data points for the calculation of meter data for TG resources.
  - How is the meter quantity derived for a Dynamic resource modeled as Tie Generator (TG)?
    - Link
  - Please refer to slide 18 for accessing knowledge articles in CIDI
We are requesting topics

<table>
<thead>
<tr>
<th>Topics</th>
<th>Previous Topics</th>
</tr>
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<tbody>
<tr>
<td>• Real Time Storage</td>
<td>• Storage- Link</td>
</tr>
<tr>
<td>• No Pay</td>
<td>• Bid Cost Recovery - Link</td>
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<tr>
<td>• Hybrid Policy</td>
<td></td>
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<tr>
<td>• Fall Release Projects</td>
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</table>

※ Submit topics to us: twitter.com/isosettlements.com
Next SUG: June 10, 2020

Contact for questions & agenda requests: settlementuser@caiso.com

Stay connected

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Sign up for Flex Alerts
Settlement References

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

• ISO Settlements Twitter Page
  – https://twitter.com/isosettlements
  – Additional information see slide 16 and 17
• Visit the Settlements page
  • http://www.caiso.com/market/Pages/Settlements/Default.aspx
• Attend web conference 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 web meeting
    – Settlement and Billing BPM status updates
    – http://bpmcm.caiso.com/Pages/default.aspx
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
- Validate Mitigated prices in DA, RTPD (FMM) and RTD
- Calculation of meter data for TG resources
ISO Settlements Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications
- 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.

January
February
March
April

May
June
July
August

September
October
November
December

Meeting
Agenda posted
Holiday

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Settlement User Group

Thank you for participating in our call

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