Low Priority Transaction (LPT) Export E-tagging Training

Today’s Trainer
Cynthia Hinman
Lead Customer Readiness Trainer

This training will begin at 11:01
Housekeeping

REMAIN MUTED
Keep yourself muted to minimize background noise

ASKING QUESTIONS
Unmute to ask verbal questions or write in the chat pod

RAISING HAND
Raise your hand using WebEx interactivity tools

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Training Agenda

Today we will cover...

• Introduction (15 minutes)
• Day-ahead e-tagging process (20 minutes)
• Real-time e-tagging process (30 minutes)
• Wrap up and resources (10 minutes)
Is this training for you?

**YES! If you:**

- Prepare and submit e-tags for LPT exports from the California ISO Balancing Authority Area
- Receive California ISO LPT exports for your organization, including WEIM entities
- Are a policy-maker involved with California ISO LPT exports
Introduction

Section Focus

• Key takeaway
• Foundational concepts
Key Takeaway

LPT export e-tags must be submitted after the market clears, both day-ahead and real-time. Otherwise they will be DENIED.
Scheduling priorities are a tool used to determine the sequence of clearing exports, if needed, during times of limited supply.

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<tr>
<th>Priority Level</th>
<th>Markets</th>
<th>Legend</th>
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<tbody>
<tr>
<td></td>
<td>DAM</td>
<td>RTM</td>
</tr>
<tr>
<td>High Priority</td>
<td>ETC/TOR (including the CRN)</td>
<td>ETC/TOR (including the CRN)</td>
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<tr>
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<td>DAPT</td>
<td>RTPT</td>
</tr>
<tr>
<td>Low Priority</td>
<td>DALPT</td>
<td>DALPT (Award that cleared RUC)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RTLPT (Price taker)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RTECON (economic bid)</td>
</tr>
<tr>
<td></td>
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</table>

- **High Priority**
  - DAM: ETC/TOR (including the CRN)
  - RTM: ETC/TOR (including the CRN)
  - Legend: • Bid with quantity, no price under legacy contract or transmission ownership rights

- **Low Priority**
  - DAM: DALPT
  - RTM: DALPT (Award that cleared RUC)
  - Legend: None of the above

  - DAM: RTLPT (Price taker)
  - RTM: RTECON (economic bid)
Low-priority exports must be **E-tagged as Firm Provisional Energy (G-FP)**.

For priority types:
- DALPT*
- RTLPT
- RTECON

*Used for DAEC0N and DALPT

**Note:** This was implemented with in RSEE Phase 2, Track 1, July 2023
G-FP means Generation Firm Provisional Energy

These can be curtailed via DA market processes. If a schedule clears HASP, the ISO can manually adjust this product under the following conditions:

- Restore contingency reserves following a contingency
- Deploy existing contingency reserves where a re-procurement of contingency reserves is deficient
- Maintain reliability, including EEA3 condition, where armed load is utilized to restore deficient contingency reserves in conjunction with E-tag curtailments, in order to maintain required contingency reserves

(Market Ops BPM Section 6.3.2)
What Questions Do You Have?

Unmute yourself  or  Raise your hand
Day-ahead e-tagging

Section Focus

- Timeline
- Reporting results
Day-Ahead LPT Export Timeline

1. Submit DA export bid
2. DA market runs and clears (publishes 13:00)
3. SC confirms the MW award from RUC in CMRI
4. SC submits e-tag equal to RUC award for LPT export
5. ISO validates tag
6. SC views results in their e-tagging system
Scenario: Day-Ahead LPT Export Timeline

1. SC submits e-tag for LPT export
2. ISO validates tag
3. SC views results in their e-tagging system
4. Submit DA export bid
5. DA market runs and clears (typically 13:00)
6. SC confirms the MW award from RUC in CMRI

DENIED
## RUC Export Schedules by Market Priority Types

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What Questions Do You Have?

Unmute yourself  or  Raise your hand
Real-time e-tagging

Section Focus
- Timeline
- Scenarios
- Reporting Results
Real-time LPT Export Timeline

Monday
- Day-ahead results are published (typically 13:00)
- SC can begin submitting RT export bids

Tuesday
- 1:45 pm: Real-time market closes (T-75)
- 2:01 pm: HASP results are published (T-59)
- by 2:20 pm: SC submits export e-tag by T-40 *

* T-40 is the deadline to be considered for the first FMM interval of the hour. The NAESB e-tag submission deadline is T-20 (2:40 pm in this example).

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Scenario: Real-time LPT Export Timeline

**Monday**
- Day-ahead results are published (typically 13:00)
- SC can begin submitting RT export bids

**Tuesday**
1:30 pm
- SC submits export e-tag
- ISO validates the tag upon submittal

**Wednesday**

2:01 pm
- Real-time market closes (T-75)

3:00 pm
- HASP results are published (T-59)
- Trade hour begins (T)

DENIED

* T-40 is the deadline to be considered for the first FMM interval of the hour. The NAESB e-tag submission deadline is T-20 (2:40 pm in this example).
Scenario: Real-time LPT Export E-tag submitted after T-40 but before T-20

Day-ahead results are published (typically 13:00)

SC can begin submitting RT export bids

Real-time market closes (T-75)

HASP results are published (T-59)

ISO Tagging deadline T-40

ISO validates the tag upon submittal

Trade hour begins (T)

3:00 pm

1:45 pm

2:01 pm

by 2:20 pm

Resolution: SC will not be awarded for at least the first 15 minute interval. If energy flows during that time, it will result in uninstructed imbalance energy settlements
Scenario: ISO Real-time LPT export for WEIM importers

- **1:45 pm**: SC submit RT export bids
- **2:01 pm**: Real-time market closes (T-75)
- **2:01 pm**: HASP results are published (T-59)
- **by 2:20 pm**: SC submits export e-tag by T-40
- **2:20 pm**: ISO validates the tag upon submittal
- **3:00 pm**: Trade hour begins (T)

**Today: Export tags gathered for base schedule by T-75**

**Today: Export tags gathered for base schedules by T-57.5**

**Base Schedule Test at T-75**

**Base Schedule Test at T-55**

**Recommendation: Work with energy suppliers to ensure energy is properly tagged and based scheduled after receiving confirmation in the market award process.**
## Real-Time Export Schedules by Market Priority Types

<table>
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<tr>
<th>Trade Date</th>
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What Questions Do You Have?

Unmute yourself

or

Raise your hand
Wrap Up and Resources

Section Focus

- Review what was covered
- Additional resources
Key Takeaway

LPT export e-tags must be submitted after the market clears, both day-ahead and real-time. Otherwise they will be DENIED.
What do you need to do if you submit LPT export e-tags from the ISO BAA?

- Begin submitting e-tags in production according to these e-tagging guidelines
- Attend the RSEE, Phase 2, Track 2 training next week
- Sign up and participate in the Market Simulation and the weekly Market Simulation Forums
- Submit tickets in CIDI if you have questions
Reference Links

Scheduling Priorities and Export Schedules Overview:

Frequently Asked Questions (FAQ) on Export Schedules and Scheduling Priorities:

Resource Sufficiency Evaluation Enhancements (RSEE), Phase 2, Track 1 Training:

Resource Sufficiency Evaluation Enhancements (RSEE), Phase 2, Track 2 Training:

Market Operations Business Practice Manual (BPM) Section 6.3.2:

CAISO Tariff, Section 34.12.4:
Tell us how we did

Takes 3-5 minutes to complete

Helps us improve future training

Link: https://www.surveymonkey.com/r/caisocoursesurvey
What Questions Do You Have?

Unmute yourself or Raise your hand
Thank you for your participation!

For clarification on anything presented in this training, send an email to: CustomerReadiness@caiso.com

For any other questions or stakeholder specific questions or concerns, please submit a CIDI ticket.