Long-Term Congestion Rights (LTCR) Weekly Testing Call

Project Pinnacle

January 12, 2015
Agenda

- Testing Update
- Training Review
- Post Production Testing – Year 2 Round 1
- 2015 Annual Schedule
- Q&A
TESTING UPDATE
Test Indexing Timeline

- LSE Attestation: Oct 1 – Nov 21
- TSR Verification: Nov 10 – 21
- LTCR Allocation 1: Nov 5 – 20
- LTCR Allocation 2: Nov 18 – Dec 2
- LTCR Allocation 3: Dec 3 – 11
  - LTCR Allocation
  - Monthly Auction
- Annual Allocation: Dec 15 – Jan 2
- Annual Auction: Jan 5 – 16
Testing Progress

✓ (3) LTCR Allocations and a Monthly Auction is complete
✓ Annual Allocation is complete
  • Annual Auction is open Jan 12 through 16 to Review Results
✓ LTCR Member Issues List is posted
  • 2.1 Release Implementation schedule as follows:

<table>
<thead>
<tr>
<th>Environment</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTE</td>
<td>12/22 done</td>
</tr>
<tr>
<td>ITE</td>
<td>12/29 – 12/31 done</td>
</tr>
<tr>
<td>Prod</td>
<td>1/16 – 1/19 on schedule</td>
</tr>
</tbody>
</table>
Welcome Market Participant,

Long-Term Congestion Rights (LTCR) Market Participant (MP) testing will be conducted in the Member Test Environment (MTE), in order to efficiently test and deploy the integrated systems solution for production.

The five activities you will need to complete for Long-Term Congestion Rights testing appear in the following chart. Please note LTCR Allocation 3 flows into a Monthly Auction, Annual Allocation, and Annual Auction; therefore, be sure to participate in LTCR Allocation 3 starting December 3, 2014.

- Execute the LTCR MP Test Cases per the schedule provided, and indicate pass, fail, or not applicable.
- Return LTCR MP Test Cases results using this RMS ticket at the appropriate Member Finish dates indicated in bold in the following chart.
- If MPs participate in all five activities, then five result copies will be attached.
- Progress will be tracked during the weekly LTCR MP Testing Calls.
- For issues reporting, please use the RMS Long-Term Congestion Rights Quick Pick.

<table>
<thead>
<tr>
<th>Task No.</th>
<th>Activity Name</th>
<th>Member Start</th>
<th>Member Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LTCR Allocation 1</td>
<td>11/10/2014</td>
<td>11/20/2014</td>
</tr>
<tr>
<td>2</td>
<td>LTCR Allocation 2</td>
<td>11/21/2014</td>
<td>12/2/2014</td>
</tr>
<tr>
<td>4</td>
<td>Annual Allocation</td>
<td>12/15/2014</td>
<td>1/2/2015</td>
</tr>
<tr>
<td>5</td>
<td>Annual Auction</td>
<td>1/5/2015</td>
<td>1/12/2015</td>
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</table>

Attachments: PR20130016_LTCR_Market_PARTicipant_Test_Cases_v3_0.xlsx (101.3 KB)  11/05/2014 9:13PM
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<th>Task</th>
<th>Assigned To</th>
<th>Completed</th>
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<tr>
<td><strong>YES</strong> LTCR Allocation 1</td>
<td></td>
<td>11/17/2014 02:36PM</td>
</tr>
<tr>
<td><strong>YES</strong> LTCR Allocation 2</td>
<td></td>
<td>12/01/2014 08:13AM</td>
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<tr>
<td>✓  LTCR Allocation 3 and a Monthly Auction</td>
<td></td>
<td>12/09/2014 12:06PM</td>
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<tr>
<td>✓  Annual Allocation</td>
<td></td>
<td>12/29/2014 02:18PM</td>
</tr>
<tr>
<td>✓  Annual Auction</td>
<td></td>
<td><strong>01/12/2015 07:46AM</strong></td>
</tr>
<tr>
<td>✓  Annual Auction</td>
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</tr>
<tr>
<td>✓  LTCR Project Manager</td>
<td></td>
<td></td>
</tr>
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</table>
Congratulations
Michael Daly

TRAINING UPDATE
FERC Response

• Order conditionally accepting tariff revisions, subject to compliance filing
• ER14-2553-000
• One programmatic change
• Two process changes
• Impact assessment on-going
LTCR Process
**2015**

**LTCR/Annual ARR Allocation/TCR Auction Timeline**

- **Jan. 2015**: Analyze Historical Data
- **Feb. 2015**: Transmission Service Verification
- **Mar. 2015**: Post Available LTCR Capacity, Select LTCR, Perform Credit Check, Download LTCR Awards
- **Apr. 2015**: Enter TCR Base Flow in Annual Allocation, Submit Nominations, Perform SFT, Allocate Annual ARRs (Round 1)
- **May 2015**: Submit TCR Buy Bids, Sell Offers, or Self-Converts, Run Annual TCR Auction, Post TCR Awards, Check Auction Results

**OLD Process**
**LTCR/Annual ARR Allocation/TCR Auction Timeline**

**Jan. 2015**
- Analyze Historical Data

**Feb. 2015**
- Transmission Service Verification

**Mar. 2015**
- Submit LTCR Nominations
- Perform SFT
- Post LTCR Awards
- Download LTCR Awards

**Apr. 2015**
- Enter TCR Base Flow in Annual Allocation
- Submit Nominations
- Perform SFT
- Allocate Annual ARRs (Round 1)
- Submit Nominations
- Perform SFT
- Allocate Annual ARRs (Round 2)
- Submit Nominations
- Perform SFT
- Allocate Annual ARRs (Round 3)

**May 2015**
- Submit TCR Buy Bids, Sell Offers, or Self-Converts
- Run Annual TCR Auction
- Post TCR Awards
- Check Auction Results

**NEW Process**
2016 and Beyond

LTCR/Annual ARR Allocation/TCR Auction Timeline

Prepare for LTCR/ARR Allocation

Feb. 2016

Transmission Service Verification
(Confirm TSR remains valid for previously granted LTCRs)

MP Activity
SPP Staff Activity

LTCR Allocation

Mar. 2016

Round 1

Keep/Decline LTCRs from Previous Year

Post "Kept" LTCRs

Check LTCR Results

Round 2

Submit LTCR Nominations

Perform SFT

Post LTCR Awards

Download LTCR Awards

ARR Allocation

Apr. 2016

Enter TCR Base Flow in Annual Allocation

Submit Nominations

Perform SFT

Allocate Annual ARRs (Round 1)

Submit Nominations

Perform SFT

Allocate Annual ARRs (Round 2)

Submit Nominations

Perform SFT

Allocate Annual ARRs (Round 3)

TCR Auction

May 2016

Submit TCR Buy Bids, Sell Offers, or Self-Converts

Run Annual TCR Auction

Post TCR Awards

Check Auction Results

Annual TCR in Effect June – May

NEW Process
LTCR System Navigation Reference Guide:
Table of Contents

Introduction ................................................................. 1
Log Into the TCR MUI ..................................................... 2
Verify Transmission Service ........................................... 3
Access LTCR Portfolio .................................................... 5
Submit LTCR Nominations .............................................. 6
Download LTCR Awards ............................................... 9

Introduction

Market Participants (MPs) use the Transmission Congestion Rights (TCR) Market User Interface (MUI) to complete the following tasks for Long-Term Congestion Rights (LTCRs):

1. Verify Transmission Service
TCR Process Quick Reference Guide

Transmission Congestion Rights (TCR) Process Quick Reference Guide

2015 Process with Long-Term Congestion Rights (LTCR) Allocation

- **Prepare for LTCR/ARR Allocation**
  - Jan. 2015: Analyze Historical Data
  - Feb. 2015: Transmission Service Verification

- **LTCR Allocation**
  - Mar. 2015: Submit LTCR Nominations
    - Perform SFT
    - Post LTCR Awards
    - Download LTCR Awards*

- **ARR Allocation**
  - Apr. 2015: Enter TCR Base Flow in Annual Allocation
    - Round 1:
      - Submit ARR Nominations
      - Perform SFT
      - Award Annual ARRs
    - Round 2:
      - Submit ARR Nominations
      - Perform SFT
      - Award Annual ARRs
    - Round 3:
      - Submit ARR Nominations
      - Perform SFT
      - Award Annual ARRs

*LTCR Awards are converted to TCRs prior to the ARR Allocation

Legend:
- MP Activity
- SPP Staff Activity
Locate Updated Job Aids

Enter your Username and Password
Locate Updated Job Aids

Type “ltcr” in the search box
Locate Updated Job Aids

Click on the desired job aid
Locate Updated Job Aids

Click the "Request" button
Locate Updated Job Aids

Click "Launch" to open the job aid
Guidelines and Design

- Must be Source-to-Sink Instruments
- Must not be modified in quantity and price
- Made available for capacity for new transmission
- Offer a term of at least 10 years
- Priority given to LSEs
- Ability to reassign if load obligation transferred
- Initially allocated

**SPP Design:** MPs may receive credits or Incremental LTCRs for participant funded transmission upgrades. Additionally, new confirmed firm Transmission Service Reservations (TSRs) that can be converted to LTCRs may be acquired from transmission expansion.
Attestation Form

Attestation Forms Due February 13, 2015

Attestor must enter the Company Name and Contact Information

![Attestation Form](image)

**ATTESTATION OF LOAD SERVING ENTITY TO SOUTHWEST POWER POOL, INC.**

**Party and Contact Information:**

<table>
<thead>
<tr>
<th>Attestor</th>
<th>Transmission Provider</th>
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<tr>
<td><strong>Company Name:</strong> ENTER COMPANY NAME</td>
<td>Southwest Power Pool, Inc.</td>
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<td><strong>Contact Name:</strong> ENTER CONTACT NAME</td>
<td>ATTN: Marketplace TCR</td>
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<tr>
<td><strong>Contact Job Title:</strong> ENTER CONTACT TITLE</td>
<td>201 Worthen Drive</td>
</tr>
<tr>
<td><strong>Address:</strong> ENTER ADDRESS</td>
<td>Little Rock, AR 72223-4936</td>
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<tr>
<td><strong>Email Address:</strong> ENTER EMAIL ADDRESS</td>
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LTCR Resources

Reference Documents:

• LTCR API Specifications
• LTCR Job Aids
Questions about this training session?

Michael Daly
Sr. Customer Trainer
501.688.8264
mdaly@spp.org

For all other Questions:
Submit a RMS Ticket

LTCR Quick Pick Discontinued
After January 31, 2015
POST PRODUCTION TESTING – LTCR
ALLOCATION YEAR 2 ROUND 1
2015 ANNUAL SCHEDULE
### 2015 Congestion Hedging Calendar

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<th>February 2015</th>
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- **cARR/LTCR Verification**: 2/2 – 2/13
- **Attestations due**: 2/13

<table>
<thead>
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<th>March 2015</th>
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</table>

- **LTCR Allocation**: 3/9 – 3/20

**Key**
- cARR/LTCR Verification
- LTCR Nomination Window
- Post LTCRs

[Link to 2015 MP Guide - Congestion Hedging](#)
Q&A
Questions

Point of Contact
• Erica Brooks
• Project Manager
• ebrooks@spp.org
• 501 688-8265

Submit questions through RMS
After 1/31/15 Quick pick- TCR
Before 1/31/15 Quick pick- Project Pinnacle: Long-Term Congestion Rights
APPENDIX I

DETAILED TESTING SCHEDULE
LSE Attestation

• Completion not required to participate in LTCR
• Submit completed forms through RMS or postal mail
• LSEs can submit attestation form
  – Starting October 1
  – For testing, accepted through Oct 15 (or November 21) for all LTCR testing (or 3rd LTCR Allocation and beyond)*

*May submit forms through early February 2015 for LTCR implementation
Transmission Service Reservation Verification

• MPs verify:
  – Transmission service correctly identified as long-term
  – LSE/non-LSE status correct based on submitted LSE Attestation forms

• Verification corrections
  – Accepted through November 21*
  – Applied to 3rd LTCR Allocation and annual process testing stages

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 10 – November 21*</td>
<td>MPs verify transmission service</td>
</tr>
</tbody>
</table>

*May verify through early February 2015 for LTCR implementation
LTCR Allocation 1.0

- Initial LTCR Allocation
  - Input data as of October 15
- Test system interactions and APIs

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 5 – 7</td>
<td>SPP performs SFT</td>
</tr>
<tr>
<td>November 10 – 13</td>
<td>MPs submit nominations</td>
</tr>
<tr>
<td>November 14</td>
<td>SPP posts results</td>
</tr>
<tr>
<td>November 17 – 20</td>
<td>MPs review results and submit RMS task</td>
</tr>
</tbody>
</table>
### LTCR Allocation 2.0

- **Similar to 1\textsuperscript{st} LTCR Allocation**
  - Same input data
- **Additional opportunity to test system**

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 18 – 20</td>
<td>SPP preforms SFT</td>
</tr>
<tr>
<td>November 21 – 24</td>
<td>MPs submit nominations</td>
</tr>
<tr>
<td>November 25 – 26</td>
<td>SPP posts results</td>
</tr>
<tr>
<td>December 1 – 2</td>
<td>MPs review results</td>
</tr>
<tr>
<td><em>December 2</em></td>
<td>SPP purges LTCR 1.0 and 2.0 data from MTE</td>
</tr>
</tbody>
</table>
LTCR Allocation 3.0

- Final LTCR Allocation
  - Test system interactions and APIs
  - Uses updated input data
    - Submitted attestations and more current OASIS information
  - Results feed into annual process tests
- Overlaps with monthly auction
  - Test credit interactions
## LTCR Allocation 3.0 (Continued)

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>December 1 – 2</td>
<td>SPP performs LTCR SFT</td>
</tr>
<tr>
<td>December 3 – 5</td>
<td>MPs submit LTCR nominations</td>
</tr>
<tr>
<td>December 3 – 4</td>
<td>MPs submit Monthly Auction bids</td>
</tr>
<tr>
<td>December 5 – 6</td>
<td>SPP performs Auction SFT</td>
</tr>
<tr>
<td>December 8</td>
<td>SPP posts LTCR and Monthly Auction results</td>
</tr>
<tr>
<td>December 9 – 11</td>
<td>MPs review LTCR results and Monthly Auction results</td>
</tr>
</tbody>
</table>
Annual Allocation

- After LTCR Allocation, flow into Annual processes
- Test how LTCR results alter Annual Allocation candidate ARRs (cARRs)
  - Verify awarded LTCRs and resulting TCRs reduce cARRs

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>December 15 – 17</td>
<td>MPs submit ARR nominations</td>
</tr>
<tr>
<td>December 18 – 19</td>
<td>SPP performs SFT</td>
</tr>
<tr>
<td>December 22</td>
<td>SPP posts results</td>
</tr>
<tr>
<td>December 23 – January 2</td>
<td>MPs review results</td>
</tr>
</tbody>
</table>
Annual Auction

- Continue from annual allocation
- Test selling TCRs in Annual Auction
  - Verify can sell TCRs resulting from LTCR Allocation

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>January 5 – 6</td>
<td>MPs submit TCR bids/self-converts</td>
</tr>
<tr>
<td>January 7 – 8</td>
<td>SPP performs SFT</td>
</tr>
<tr>
<td>January 9</td>
<td>SPP posts results</td>
</tr>
<tr>
<td>January 12 – 15</td>
<td>MPs review results</td>
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APPENDIX II

LTCR TESTING
# Supporting Documents

<table>
<thead>
<tr>
<th>Document Name</th>
<th>Document Location</th>
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<tbody>
<tr>
<td>Market Participant Test Approach – LTCR Project</td>
<td>Integrated Marketplace Phase 2-Long Term Congestion Rights</td>
</tr>
<tr>
<td>LTCR System Guide and Job Aid – Published</td>
<td>Integrated Marketplace Phase 2-Long Term Congestion Rights</td>
</tr>
<tr>
<td>LTCR MP Test Cases – Published &amp; in Specific RMS</td>
<td>Integrated Marketplace Phase 2-Long Term Congestion Rights</td>
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<tr>
<td>LTCR Member Impacting Project Overview (MIPO)</td>
<td>Integrated Marketplace Phase 2-Long Term Congestion Rights</td>
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## Summary Dates

<table>
<thead>
<tr>
<th>MP Action Needed</th>
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<tr>
<td>Review MP Test Approach and MP Test Leads engagement - Complete</td>
<td>September 30, 2014 - October 10, 2014</td>
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<tr>
<td>Complete MTE Connectivity - Complete</td>
<td>October 3, 2014</td>
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<tr>
<td>Submit LSE Attestations</td>
<td>November 21, 2014</td>
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<tr>
<td>Weekly MP Testing Calls begin</td>
<td>November 6, 2014</td>
</tr>
<tr>
<td>Begin MP Test Activities</td>
<td>November 10, 2014</td>
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<tr>
<td>Deadline to submit LSE Attestations</td>
<td>November 21, 2014</td>
</tr>
<tr>
<td>Prepare for data/downloads purge between LTCR Allocation 2 and 3</td>
<td>November 17 - December 2, 2014</td>
</tr>
<tr>
<td>End MP Test Activities</td>
<td>January 16, 2015</td>
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FAQ’s

Q: For the LTCR Allocation testing, in what LTCR Round should we be testing? There is no data available for Round 1, and data is available for Round 2.

A: Since the LTCR process is designed to be a two-round process—the first round for renewal/surrender of previously awarded LTCRs and the second round for new/additional LTCRs—SPP is utilizing Round 2 for MP testing. MP testing will be held on Round 1 functionality after project implementation, currently projected for mid-2015.
FAQ’s

Q: The testing email states that the deadline for LTCR allocation 1 nominations is 13 Nov. The LTCR allocation 1 tab in the test cases spreadsheet only shows a deadline of 20 Nov at the bottom of the last page.

A: The Nov 20 date at the bottom of the test cases tab is strictly for returning test results of both nomination tasks due 13 Nov (because of the nomination window) and reviewing results tasks due 20 Nov. The full activities are listed in the MP Test Approach, monthly presentations, and reminder emails.