## Revision History Chart

<table>
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<tr>
<th>Version</th>
<th>Revised By</th>
<th>Description of Modifications</th>
<th>Revision Date</th>
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<tr>
<td>1.0</td>
<td>Congestion Hedging Team</td>
<td>New Procedure Document for 2018 TCR Process; Team reviewed; Manager review by Ty Mitchell</td>
<td>12/15/2017</td>
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<tr>
<td>1.1</td>
<td>Congestion Hedging Team</td>
<td>Updated Procedure Document for 2019 TCR Process; Team reviewed; Manager review by Ty Mitchell</td>
<td>12/14/2018</td>
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<tr>
<td>1.2</td>
<td>Congestion Hedging Team</td>
<td>Updated Procedure Document for 2020 TCR Process; Team reviewed; Manager review by Micha Bailey</td>
<td>12/13/2019</td>
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<tr>
<td>1.3</td>
<td>Congestion Hedging Team</td>
<td>Updated Procedure Document for 2020 TCR process to reflect 2-day Monthly Allocation Window.</td>
<td>2/19/2020</td>
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Overview

Objectives
This document is intended for Southwest Power Pool (SPP) Market Participants (MPs) and provides information for preparation of the Integrated Marketplace’s 2020 Congestion Hedging (also known as “TCR”) activities.

2020 Schedule

Remaining 2019 Annual Process Schedule
The Monthly ARR Allocation and Monthly TCR Auction processes for the remainder of the 2019 Annual Process shall include:
(1) January, February, March, April, and May periods
(2) On-Peak and Off-Peak products
(3) January, February, March, April, and May 1-round ARR Allocation: 100% system capacity
(4) January, February, March, April, and May 2-round TCR Auction:
   a. Round 1: 50% system capacity
   b. Round 2: 100% system capacity

The remaining 2019 production schedule through May 31, 2020 shall be as follows:
(1) January 2020 Monthly Process
   (a) ARR Allocation: 11/22/2019 – 12/11/2019
   (b) TCR Auction: 12/12/2019 – 12/27/2019
(2) February 2020 Monthly Process
   (a) ARR Allocation: 12/26/2019 – 1/13/2020
   (b) TCR Auction: 1/14/2020 – 1/28/2020
(3) March 2020 Monthly Process
   (a) ARR Allocation: 1/24/2020 – 2/11/2020
   (b) TCR Auction: 2/12/2020 – 2/25/2020
(4) April 2020 Monthly Process
   (a) ARR Allocation: 2/27/2020 – 3/12/2020
   (b) TCR Auction: 3/13/2020 – 3/26/2020
(5) May 2020 Monthly Process
   (a) ARR Allocation: 3/27/2020 – 4/10/2020
   (b) TCR Auction: 4/13/2020 – 4/24/2020
Remaining 2019 Process Detail Calendar

December 2019

January 2020

February 2020

March 2020

April 2020

Legend

- cARR Verification
- Nomination Window
- Post ARR
- Post TCR
- TCR Post / cARR Verification
- Bid Window
- Bid Window / cARR Verification
- Annual Verification (LTCR & ARR)
- LTCR Allocation Round 1
- LTCR Allocation Round 2
- Post LTCR
- Deadline for outage submittal
- Bank Holiday (Non-SPP)
2020 Annual Process Schedule

The Annual LTCR Allocation process shall include:
   (1) One 24-hour annual product representing June 1, 2020 - May 31, 2021
(2) Two rounds:
   a. Round 1: Renew/release previous LTCR/ILTCR awards
   b. Round 2: Nomination of candidate LTCR/ILTCR paths
      i. Awards of Round 2 based on 50% system capacity

The Annual ARR Allocation and TCR Auction processes shall include:
   (1) June, July, August, September, Fall, Winter, and Spring periods
      a. June: Awards given at 100% system capacity
      b. July, August, and September: Awards given at 90% system capacity
      c. Fall, Winter, and Spring: Awards given at 60% system capacity
(2) On-Peak and Off-Peak products for each period
(3) Three-round ARR Allocation:
       a. Round 1: 50% of nomination cap available on candidate ARR paths
       b. Round 2: 100% of nomination cap available on candidate ARR paths
       c. Round 3: 100% of nomination cap available on any path
(4) One-round TCR Auction

The Monthly ARR Allocation and TCR Auction processes shall include:
   (1) Products for the period of the following month
       e.g. Process executed in March, offers April ARRs and TCRs
   (2) On-Peak and Off-Peak products
   (3) One-round ARR Allocation at 100% system capacity
   (4) For the products of July, August, and September, a one-round TCR Auction at 100% system capacity
   (5) For the products of October through May, a two-round TCR Auction:
       a. Round 1: 50% system capacity
       b. Round 2: 100% system capacity

The production schedule for the 2020 Congestion Hedging markets shall be as follows:
   (1) Annual Candidate ARR/LTCR Verification: 2/3/2020 – 2/17/2020
   (3) Annual LTCR Allocation Round 2: 3/10/2020 – 3/20/2020
   (8) Monthly ARR Allocations and TCR Auctions
      (a) July 2020 Monthly Process
         b. TCR Auction: 6/15/2020 – 6/19/2020
      (b) August 2020 Monthly Process
         b. TCR Auction: 7/14/2020 – 7/20/2020
      (c) September 2020 Monthly Process
         a. ARR Allocation: 7/30/2020 – 8/13/2020
         b. TCR Auction: 8/14/2020 – 8/20/2020
(d) October 2020 Monthly Process
   a. ARR Allocation: 8/26/2020 – 9/10/2020
   c. TCR Auction Round 2: 9/18/2020 – 9/24/2020

(e) November 2020 Monthly Process
   b. TCR Auction Round 1: 10/13/2020 – 10/19/2020
   c. TCR Auction Round 2: 10/20/2020 – 10/26/2020

(f) December 2020 Monthly Process
   b. TCR Auction Round 1: 11/12/2020 – 11/18/2020
   c. TCR Auction Round 2: 11/19/2020 – 11/25/2020

(g) January 2021 Monthly Process
   a. ARR Allocation: 11/24/2020 – 12/10/2020
   b. TCR Auction Round 1: 12/11/2020 – 12/17/2020
   c. TCR Auction Round 2: 12/18/2020 – 12/28/2020

(h) February 2021 Monthly Process
   a. ARR Allocation: 12/29/2020 – 1/13/2021
   b. TCR Auction Round 1: 1/14/2021 – 1/21/2021
   c. TCR Auction Round 2: 1/22/2021 – 1/28/2021

(i) March 2021 Monthly Process
   b. TCR Auction Round 1: 2/12/2021 – 2/19/2021
   c. TCR Auction Round 2: 2/22/2021 – 2/26/2021

(j) April 2021 Monthly Process
   b. TCR Auction Round 1: 3/12/2021 – 3/18/2021
   c. TCR Auction Round 2: 3/19/2021 – 3/25/2021

(k) May 2021 Monthly Process
   b. TCR Auction Round 1: 4/12/2021 – 4/16/2021
   c. TCR Auction Round 1: 4/19/2021 – 4/23/2021
2020 Process Detail Calendar

Legend
- CARR Verification
- Nomination Window
- Post ARR
- Bid Window
- Bid Window / CARR Verification
- Post TCR
- Post model
- TCR Post / CARR Verification
- Holiday & Weekend
- Annual Verification (LTCR & ARR)
- LTCR Allocation Round 1
- LTCR Allocation Round 2
- Post LTCR
- Deadline for outage submittal
- Bank Holiday (Non-SPP)

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Market Participant Guide: SPP 2020 Congestion Hedging
Incremental Long-Term Congestion Rights (ILTCR)
Candidates for ILTCRs must be requested during the study process for those entities that received Directly Assigned Upgrade Costs as described in Attachment Z1 of the Tariff. Upon receiving candidates, ad-hoc Initial ILTCR Allocations will be conducted (for only the involved parties) to award ILTCRs for the remainder of the TCR year. ILTCRs awarded in an Initial ILTCR Allocation must be nominated again in Round 2 of the following Annual LTCR Allocation. More information on ILTCRs and Initial ILTCR Allocations is available upon request.

Deadlines

Credit Posting
Financial Security needs to be received by the SPP Credit Department five (5) business days before the start of the corresponding TCR Auction Bid Window to allow time for processing and to apply funds to Market Participants respective accounts.

OASIS data
Any transmission service that a Market Participant would like to be included as a candidate ARR/LTCR for the appropriate ARR/LTCR allocation must be in OASIS by the day prior to start of the corresponding verification period.

GFA data
Any Grandfathered Agreements (GFAs) that have already been submitted will be maintained. Any additional GFAs a Market Participant would like to have included in an ARR/LTCR Allocation must be submitted at least two months before the start of the corresponding verification window so as to be approved when the verification window starts. Commercial model changes to accommodate the GFA must be implemented prior to the verification period. Reference Appendix E of the SPP Integrated Marketplace Protocols for commercial model registration deadlines.

Historic Peak Load
Market Participants with Network Integrated Transmission Service (NITS) should validate their historic peak load for the year 2019. This should be reported to SPP, as outlined in the Communications section of this document, by January 15, 2020. SPP will use this information to verify network nomination caps and overall nomination caps.

Outages
Transmission Owners that wish to have their outages included in a respective TCR market will need to have submitted or proposed the outage in CROW at least 10 business days before the Allocation model posting date. Proposed outages will only be used in the Congestion Hedging Market models.
Any outages submitted less than 10 business days before the model posting date may not be included in the appropriate TCR market(s). For any additional details on outages taken in the SPP congestion hedging process, see the TCR Market Modeling Processes document\(^1\) posted on spp.org.

### Market Timing Guidelines

**Market Model Posting:** By end of day on designated model posting date  
**Monthly Candidate ARR Posting:** Before 9:00am (Central Prevailing Time) CPT on the day of market window  
**Annual Candidate ARR/LTCR Posting:** Before 9:00am (Central Prevailing Time) CPT on the first day of market window  
**Market Window Open:** 9:00am CPT; first day of market window  
**Market Window Close:** 4:00pm CPT; last day of market window  
**Market Results Posting:** By end of day of market posting

### Communications

#### General Information and Inquiries

SPP will distribute information and general announcements related to the TCR Market to MPs through an optional notification service called “SPP Auction Revenue Right / Transmission Congestion Right”. Those who opt-in to the “SPP Auction Revenue Right / Transmission Congestion Right” distribution list service can receive notices and announcements about the opening, closing and posting of data surrounding TCR Markets. To participate in the “SPP Auction Revenue Right / Transmission Congestion Right” distribution list service, please navigate to SPP.ORG and create an account. When you create an account, you will have the option to request to be added to the “SPP Auction Revenue Right / Transmission Congestion Right” distribution list.

When submitting an inquiry, the Request Management System (RMS) is the quickest way for inquiries and concerns to be addressed by the Congestion Hedging group. Use the Quick Pick *Transmission Congestion Rights (TCR) Inquiry*.

#### Issue Reporting

Any immediate issues that are discovered should be reported to your Customer Relations Representative, via phone, email, or the SPP Request Management System. SPP staff will investigate the reported issue and respond with a resolution. Use the Quick Pick *Transmission Congestion Rights (TCR) Inquiry*.

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\(^1\) [SPP.org > Markets & Operations > TCR Markets > TCR Reference Documents](#)
Public Posting to the Marketplace Portal

SPP will post historical TCR market allocation and auction results on its Marketplace Portal. SPP will post the following information for allocations: MW award with Source to Sink path and Time of Use, Binding Constraints. SPP will post the following information for auctions: MW award with Market Participant name, Source to Sink path, Time of Use and nodal price, Binding Constraints.

Other Congestion Hedging Documents

There are other important documents that provide detailed information on key Congestion Hedging topics. Below are the links to these documents:

Congestion Hedging Modeling Practices
For more details on SPP’s Congestion Hedging modeling practices, see the TCR Market Modeling Processes document.

Congestion Hedging User Guides
For help in using the TCR portion of the Marketplace Portal, look into the TCR MUI Job Aid and the SPP TCR MUI User Manual.

For help with the TCR MUI’s API, see the TCR API Specifications files for guidance.

FAQ
To see the TCR-related frequently asked questions, use the Congestion Hedging FAQs.

Related SPP Tariff
For the Congestion Hedging portion of the SPP Tariff, see Attachment AE Section 7.

Related Market Protocols
For the Congestion Hedging portion of the SPP Integrated Marketplace Protocols, see Section 5.

Integrated Marketplace Reference for MPs
Go to the SPP Learning Center (LMS) for additional training on ARRs, LTCRs, and TCRs.

Electrically Equivalent Settlement Locations (EESL)
A list of EESL pairs is posted for each market and available on the TCR MUI: SPP Marketplace Portal > TCR Market > TCR MUI > Downloads > Public > Market. No bids are allowed between these Settlement Location pairs. Any bids on these pairs will be restricted from the applicable allocation or auction market.

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2 SPP.org > Markets & Operations > Marketplace Portal > Public > Public TCR Market
3 Several of these are found by navigating to SPP.org > Markets & Operations > TCR Markets.