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# Transmission Rights Auction System

## Participant's Guide

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Issue 11.0

GUIDE

*This document provides a description of the functionality of the IESO's Transmission Rights Auction (TRA) System which is available to those market participants who have registered to be TR participants.*

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## Document Change History

Issue	Reason for Issue	Date
For changes prior to 2020, refer to versions 7.0 and previous.		
8.0	Updated hyperlinks and references to other documents	September 4, 2020
9.0	Updated to meet accessibility requirements pursuant to the <i>Accessibility for Ontarians with Disabilities Act</i> .	December 16, 2020
10.0	IESO portal replaced with IESO Gateway	September 15, 2021
11.0	Update to reflect changes resulting from the Transmission Rights Auction Enhancement and Platform Refresh project	June 25, 2024

## Related Documents

Document ID	Document Title
<a href="#">MDP_PRO_0029</a>	Market Manual 4.4 Transmission Rights Auction

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# Table of Changes

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Reference (Section and Paragraph)	Description of Change
Throughout	Revised entire document to reflect changes resulting from the Transmission Rights Auction Enhancement and Platform Refresh project.

# 1. Introduction

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## 1.1 Purpose

This document provides a description of the functionality of the *IESO's Transmission Rights (TR) Auction* application (TRA application) that is available to those *market participants* who have registered to be *TR bidders*.

## 1.2 Scope

This document describes the Applications functionality of the *IESO's* TRA application that is available to *market participants* through Online *IESO*.

## 1.3 Who Should Use This Document

Those *market participants* who intend to *bid* for *TRs* through participation in the *TR auction* process. Individuals must be assigned the Transmission Rights Auction Contact role by their *market participant* applicant representative.

## 1.4 Where Do I Start

Before you use this document or start using the TRA application (described in section 2), you should review the following documents:

- [Market Manual 1.5: Market Registration Procedures](#)
- [Market Manual 4.4: Transmission Rights Auction](#)
- [Market Manual 5.5: Physical Markets Settlement Statement](#)
- [Market Manual 5.7: Financial Markets Settlement Statement](#)
- [IESO Gateway User Guide](#)
- [Quick Take Issue 15: Retrieving Reports via IESO Report Site](#)

Before you can submit a *TR bid*, you must be an authorized *TR participant* and have an individual assigned to a Transmission Rights Auction Contact role by their *market participant* applicant representative.

## 1.5 What Are Transmission Rights

*TRs* are financial instruments that entitle the holder to a *settlement* amount based on locational differences in *energy* prices, determined in the manner described in Chapter 8, section 4.4 of the *market rules (MR Ch.8 s.4.4)*.

*Market participants* who trade energy across *intertie zones* may use *TRs* to hedge against locational price differences. A *TR bidder* who receives *TRs* in the *TR auction* entitles the *TR participant* to become the *TR holder*, and is entitled to receive all *settlement amounts* associated with the *TR*.

The settlement of payments due from *TR participants* for purchases in the *TR auction* is addressed in [Market Manual 5.7 \(MM 5.7\): Financial Markets Settlement Statement](#).

The settlement of payments due to a *TR holder* is addressed in [MM 5.5: Physical Markets Settlement Statement](#).

## 1.6 Conventions

The standard conventions followed for *market manuals* are as follows:

- The word ‘shall’ denotes a mandatory requirement;
- Terms and acronyms used in this *market manual* including all Parts thereto that are italicized have the meanings ascribed thereto in Chapter 11 of the “Market Rules”;
- Double quotation marks are used to indicate titles of legislation, publications, forms, and other documents.

– End of Section –

## 2. TRA Application

The TRA application is web-based and is accessed through Online *IESO* via the *IESO* Gateway.

As a *TR bidder*, you will use the TRA application to perform *TR* bidding-related activities.

You can use the TRA application to:

- view a list and details of future *TR auction* rounds;
- place *bids* in any active *TR auction* round;
- view, change and delete any *bids* already submitted for any current *TR auctions*; and
- view *TR bid* history for *TR auctions* within the last two years.

**Note:** *TR auction* reports are available through the IESO Reports Site, which can be accessed through links on the TRA application or at [IESO Reports Site](#).

### 2.1 Organizations and User Representation

A *TR bidder* (also called a user in regards to accessing and utilizing the TRA application) represents an organization when utilizing the TRA application. Each organization represented in the *TR auction* can have one or multiple users representing that organization. This means that multiple users can submit *TR bids* for the organizations they represent. Multiple users representing the same organization should coordinate their *TR bids* to ensure they are submitted as intended.

Organizations can have one accepted *TR bid* per path, which can be completed by any of the users.

All users representing an organization will be able to submit, edit, and delete *TR bids* as long as the *TR auction* is open for bidding, as well as being able to view organizational bidding limit information and bidding history within the last two years.

A user can toggle between organizations they represent by utilizing the drop down when accessing a *TR auction* page.

The screenshot displays the TRA application interface for an auction titled "EXAMPLE\_AUCTION". The interface includes a navigation bar with "Home" and "Transmission Rights Auction" options. Below the navigation bar, there are sections for "Organization Limit Information" and "Round 1" details. A red arrow points to the "Select Organization" dropdown menu, which is currently set to "TR PARTICIPANT ONE". The "Round 1" section shows the start and end times, round fraction (0.25), and status (ACTIVE). The "Round 2" section shows the start and end times, round fraction (1), and status (POSTED). Below these sections, there is a table for "Round 1 (ACTIVE)" with columns for Path, Auction Quantity (MW), Round Quantity (MW), Transmission Type, and Bids Submitted?.

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	○
QDSA-ON	1000	250	IMPORT	○
ON-QBEAU	1000	250	EXPORT	○
MANSK-ON	1000	250	IMPORT	○

## 2.2 Information Needed for TR Bids

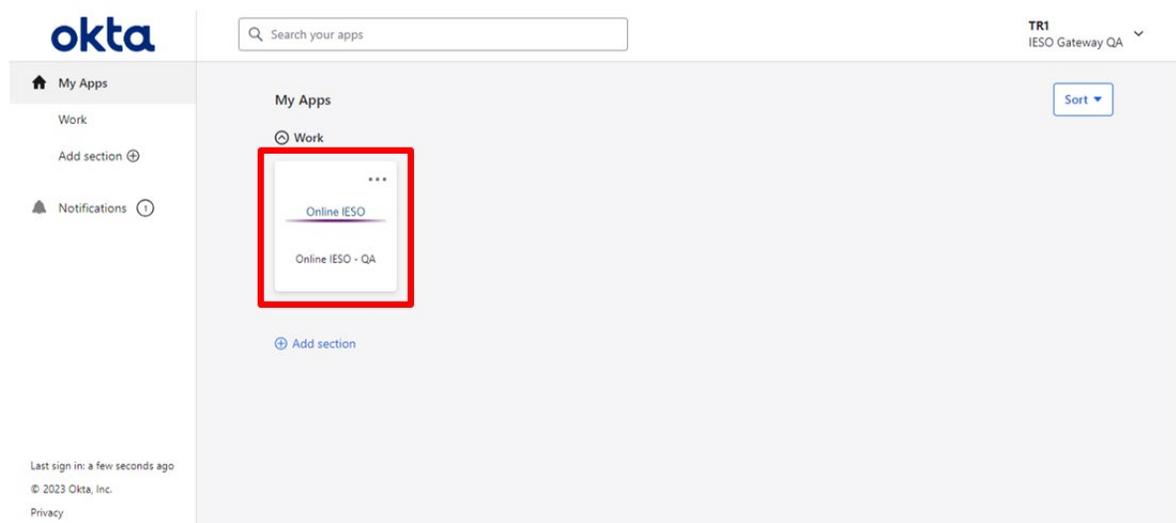
Your *TR bid* for the purchase of a *TR* in a *TR auction* must include:

- your organization name;
- the injection TR zone and the withdrawal TR zone for each TR that you are bidding on;
- the Time Structure (period of validity) of each TR that you are bidding on; and
- one and up to twenty TR laminations, where each TR lamination will express:
  - the maximum number of *TRs* you are bidding on; and
  - the maximum price, in Canadian dollars per megawatt (\$/MW), that you are willing to pay for each *TR* that you are bidding on. This price must be a positive amount.

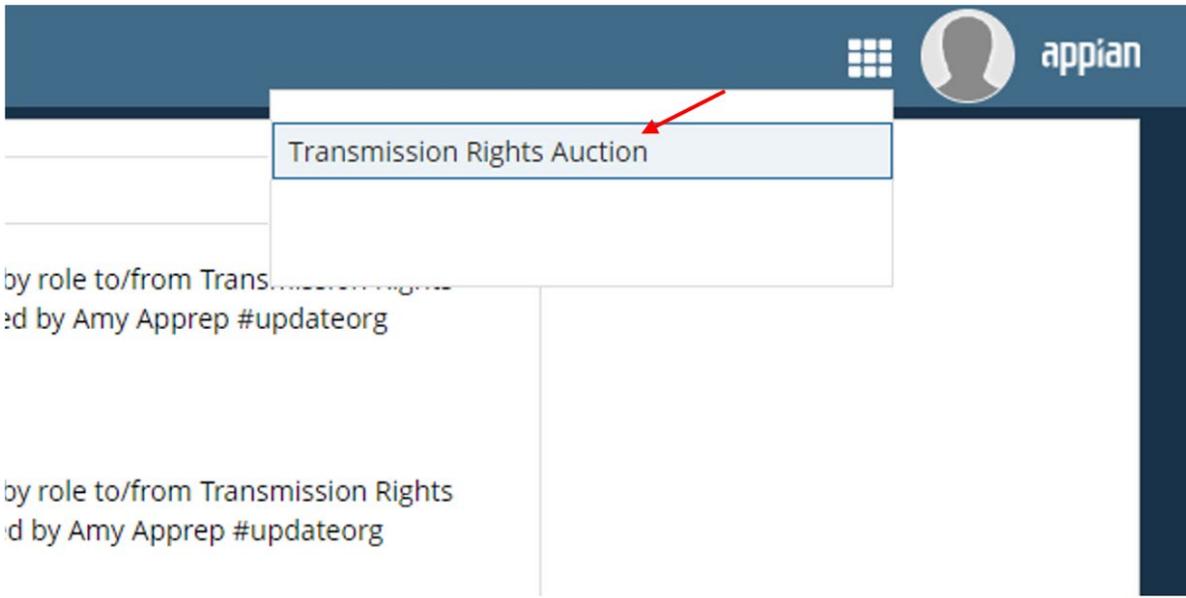
**Note:** Some of these criteria are automatically applied to your *TR bid*.

## 2.3 How to Log On

To log into the TRA application you must log on to the *IESO* gateway. Please note that a *TR bidder* will be prompted to change the *IESO* Gateway password every 90 days, upon logging in. Once you've logged in, select the **Online IESO** tile to access the **Online IESO website**.



From here select the **grid icon**, first icon in the top right, and select **Transmission Rights Auction**.



The **Transmission Rights Auction Home Page** will appear as below, with the header displaying a welcome message for the user. Some helpful links are provided on the right of the webpage header—‘ISO TRA Calendar’, ‘Market Rules and Manuals Library’, ‘Public TRA Reports’, ‘Training Material’ and ‘Participant Confidential Reports’. The names of all *TR auctions* within the last two (2) years along with some details are listed.

The screenshot shows the home page of the Transmission Rights Auction system. The header includes a 'Home' link, a user profile icon, and the text 'Transmission Rights Auction'. A welcome message says 'Hello, TR1. Select an Auction to begin.' On the right, there is a 'Hide TRA Helpful Links' menu with options: 'IESO TRA Calendar', 'IESO Market Rules & Manuals Library', 'Public TRA Reports', 'Training Material', and 'Participant Confidential Reports'. Below the header is a table listing various auctions.

Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
<a href="#">TRA_225</a>	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
<a href="#">EXAMPLE_AUCTION</a>	Dec 20, 2023 - Dec 21, 2023	ACTIVE	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
<a href="#">LT_BWT ROUNDS</a>	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
<a href="#">ST_TEST</a>	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
<a href="#">LT_POSTED</a>	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023
<a href="#">ST_20231211</a>	Jan 1, 2024 - Jan 31, 2024	CLOSED	Dec 11, 2023 - Dec 13, 2023	
<a href="#">LT_BTW Rounds 1</a>	Jan 1, 2024 - Apr 30, 2024	CLOSED	Nov 30, 2023 - Dec 1, 2023	Dec 4, 2023 - Dec 7, 2023
<a href="#">ST Test</a>	Nov 23, 2023 - Dec 7, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	
<a href="#">PLACE_RT_BIDS</a>	Nov 24, 2023 - Nov 25, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	Nov 23, 2023 - Nov 23, 2023

**Note:** Screen images in this guide may be cropped to emphasize the key elements of the screen. Toolbars and elements of the browser normally will not be shown on the images unless it is required for the screen image.

## 2.4 How to View TR Auctions

When the IESO creates and validates a *TR auction*, it becomes available for viewing in the TRA application. Once a *TR auction* becomes active, a *TR bidder* can place a *TR bid*.

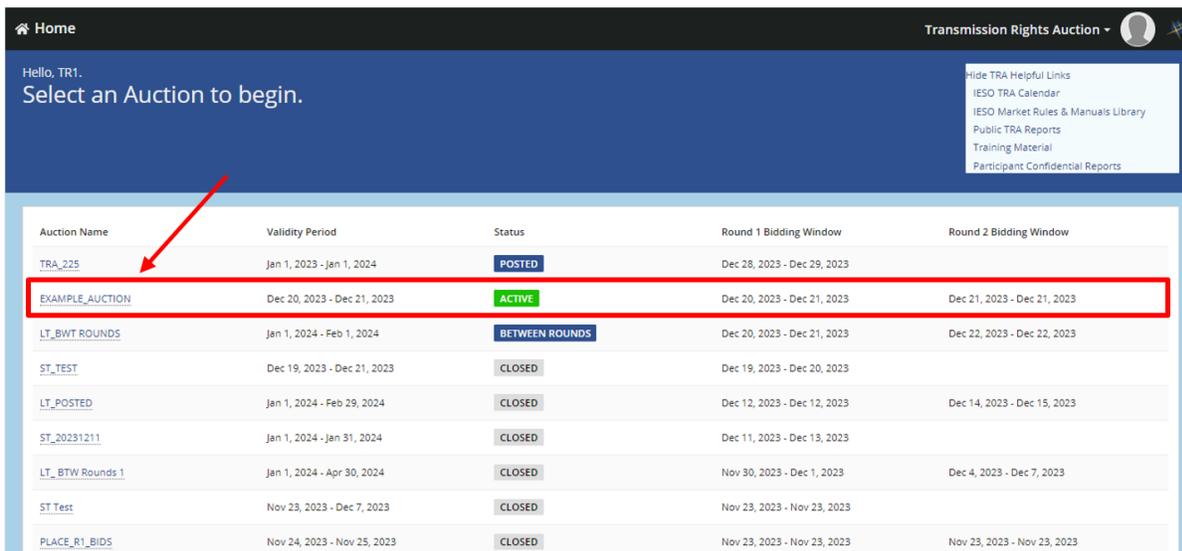
In order to access the TRA application, you must be a *TR bidder*. This requires your organization being authorised as an active *TR participant* and having an individual assigned to a Transmission Rights Auction Contact role by their *market participant* applicant representative. For more information, contact IESO Customer Relations at [customer.relations@ieso.ca](mailto:customer.relations@ieso.ca) or telephone either 1-888-448-7777 or (905) 403-6900.

From the **Transmission Rights Auction Home Page** you will be able to click on either **'ACTIVE'**, **'BETWEEN ROUNDS'**, **'POSTED'**, or **'CLOSED'** for *TR auctions* and will be forwarded to the appropriate *TR auction* page. This home page displays active *TR auctions* that you can place a *TR bid* on, future *TR auctions to prepare to submit TR bids*, and past *TR auctions* (within the last 2 years) to view *TR bid* history.

### 2.4.1 Viewing Active TR Auctions

*TR auctions* that are available for bidding, will have an **'Active'** status.

On the **Transmission Rights Auction Homepage**, you can see the list of auction names, the validity period (start date to end date) and the bidding window for each round of auctions. Click the auction name that has status **'ACTIVE'** to view information about this auction.



Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
<a href="#">TRA_225</a>	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
<a href="#">EXAMPLE_AUCTION</a>	Dec 20, 2023 - Dec 21, 2023	ACTIVE	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
<a href="#">LT_BWT ROUNDS</a>	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
<a href="#">ST_TEST</a>	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
<a href="#">LT_POSTED</a>	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023
<a href="#">ST_20231211</a>	Jan 1, 2024 - Jan 31, 2024	CLOSED	Dec 11, 2023 - Dec 13, 2023	
<a href="#">LT_BTW Rounds 1</a>	Jan 1, 2024 - Apr 30, 2024	CLOSED	Nov 30, 2023 - Dec 1, 2023	Dec 4, 2023 - Dec 7, 2023
<a href="#">ST Test</a>	Nov 23, 2023 - Dec 7, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	
<a href="#">PLACE_R1_BIDS</a>	Nov 24, 2023 - Nov 25, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	Nov 23, 2023 - Nov 23, 2023

On the **Auction** page, the **Auction Type** and **Validity Period** is detailed. **Auction Type** can either be short-term (*TRs* have a validity of one month), or long-term (*TRs* have a validity of one year). The **Validity Period** is the period of time for which ownership of the *TR* and eligibility for payments for *TR holders* are available.

The round(s) in the auction are also detailed, providing the user with active round (pane is highlighted) as well as information pertaining to when each round's start date and time, end date and time, round fraction and status (a round accepting bidding will display an **Active** status, a round that has yet to accept bidding will display a **Posted** status, an auction in between rounds not

accepting bidding will display a **Between Rounds** status and a round that has been completed will have a **Closed** status).

A TRA application user can represent multiple organizations. To view the **Organization Limit Information**, you must select an organization from the drop down.

The screenshot displays the 'EXAMPLE\_AUCTION' page. The 'Organization Limit Information' section is highlighted with a red arrow pointing to the 'Select Organization' dropdown menu, which currently shows 'TR PARTICIPANT ONE'. Below this, there are two round status cards: 'Round 1' (ACTIVE) and 'Round 2' (POSTED). At the bottom, there is a table for 'Round 1 (ACTIVE)' showing auction paths and their quantities.

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	<input type="radio"/>
QDSA-ON	1000	250	IMPORT	<input type="radio"/>
ON-QBEAU	1000	250	EXPORT	<input type="radio"/>
MANSK-ON	1000	250	IMPORT	<input type="radio"/>

The **Organizational Limit Information** section includes the following:

- **Bid Limit**, which is the maximum dollar amount available to place a *TR bid*, based on your organization's *TR market deposit*.
- **Total Bids**, which displays the amount that you have already spent on *TR bids* in the current *TR auction*.
- **Remaining Amount**, which shows the amount that you have left to place *TR bids* in the *TR auction*.

This close-up shows the 'Organization Limit Information' section for 'TR PARTICIPANT ONE'. It displays the following values:

- Bid Limit**: \$115,000.00
- Total Bids**: \$0.00
- Remaining Limit**: \$115,000.00

The Auction page provides details on the **Auction Quantity** and **Round Quantity** available for each **Path** (*TR zone*) active in the auction, as well as the start and end dates and times for the *TR auction*

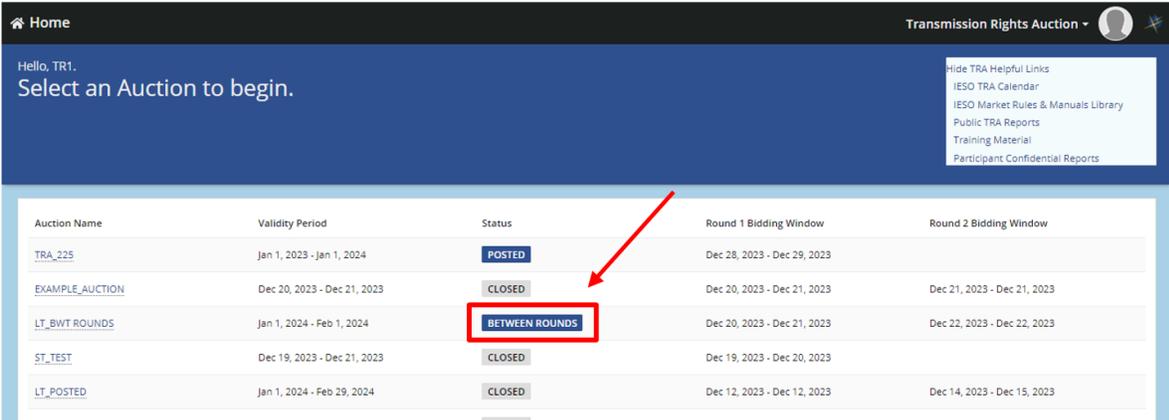
- The **Auction Quantity** is the maximum path quantity less any TR sold in previous TR auctions with the same **Period of Validity**.
- The **Round Quantity** is the **Auction Quantity** times the **Round Fraction**, or the result of the application of previous TR auction awards in the main or constraining equation.

**Note:** Long term auctions consist of two rounds. Prior to round one being completed, the **Round Quantity** for round two will be assumed to be remainder from round one availability (75% of **Auction Quantity**). Round two's **Round Quantity** It will be calculated when round one is processed to determine if any unsold *TRs* from the previous round should be available in round two.

### Round 1 (ACTIVE)

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type 
ON-MAN	1000	250	EXPORT
QD5A-ON	1000	250	IMPORT
ON-QBEAU	1000	250	EXPORT
MANSK-ON	1000	250	IMPORT

In a long term auction there will be a pause in active status in between rounds. This will show up as the status of **'Between Rounds'**. This is needed for the IESO to calculate the results of the first round and determine the **Round Quantity** for round two.



Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
<a href="#">TRA_225</a>	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
<a href="#">EXAMPLE_AUCTION</a>	Dec 20, 2023 - Dec 21, 2023	CLOSED	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
<a href="#">LT_BWT_ROUNDS</a>	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
<a href="#">ST_TEST</a>	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
<a href="#">LT_POSTED</a>	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023

No bidding will be accepted in an auction that displays a **Between Rounds** status. Bidding will resume when the auction returns to an **Active** status.

## 2.4.2 Viewing Future TR Auctions

You can view information related to upcoming *TR auction* rounds that are not yet open for bidding. You can use this advance information to decide whether to place *TR bids* in a future *TR auction* round.

On the **Transmission Rights Auction Home Page**, any auction with a status of **'POSTED'** is a future *TR auction*. To access this future *TR auction* click the auction name that has status **'POSTED'**.

Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
TRA_225	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
EXAMPLE_AUCTION	Dec 20, 2023 - Dec 21, 2023	ACTIVE	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
LT_BWT ROUNDS	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
ST_TEST	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
LT_POSTED	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023
ST_20231211	Jan 1, 2024 - Jan 31, 2024	CLOSED	Dec 11, 2023 - Dec 13, 2023	
LT_BTW Rounds 1	Jan 1, 2024 - Apr 30, 2024	CLOSED	Nov 30, 2023 - Dec 1, 2023	Dec 4, 2023 - Dec 7, 2023
ST Test	Nov 23, 2023 - Dec 7, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	
PLACE_R1_BIDS	Nov 24, 2023 - Nov 25, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	Nov 23, 2023 - Nov 23, 2023

The webpage is similar to the Active Round screen except the user will see a message ‘Round X is not open for bidding at this time. This round will open for bidding at XX/XX/XXX XX:XX XX EST’.

**TRA\_225**  
 Auction Type: Long Term (LT)  
 Validity Period: Jan 1, 2023 - Jan 1, 2024

**Organization Limit Information**  
 Select Organization: TR PARTICIPANT ONE  
 Bid Limit: \$115,000.00  
 Total Bids: \$0.00  
 Remaining Limit: \$115,000.00

**Round 1**  
 Start: 2023-12-28 00:00 EST  
 End: 2023-12-29 00:30 EST  
 Round Fraction: 1  
 Status: POSTED

**Round 1 (POSTED)**

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type
ON-MAN	25	25	EXPORT
ON-MICH	100	100	EXPORT
QBEAU-ON	50	50	IMPORT
NY-ON	30	30	IMPORT

Round 1 is not open for bidding at this time. This round will open for bidding at: 12/28/2023 12:00 AM EST

The page provides details on the **Auction Quantity** and **Round Quantity** available for each **Path** (*TR zone*) as well as the start and end dates and times for the *TR auction*. It will also provide the user with bidding information for the organizations they represent. Upon selecting the organization, the **Organization Limit Information** will get populated.

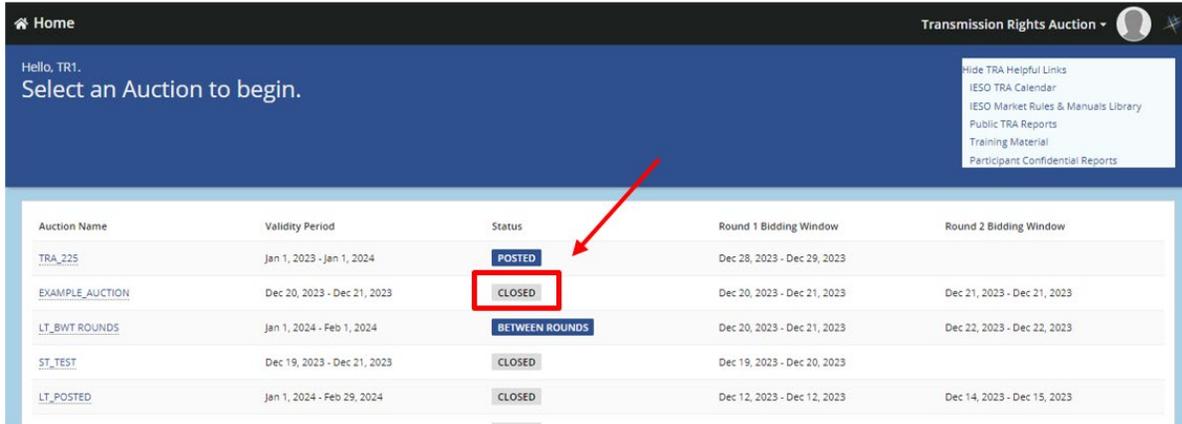
**Note:** Only the paths where there will be available *TRs* will show up in a posted auction.

### 2.4.3 Viewing Previous TR Auctions

You can view information related to previous *TR auctions* within the last two years. This includes a method to view *TR bids* that either you, or other *TR bidders* who are registered for an organization, have submitted for a specific *TR auction* over the last two years.

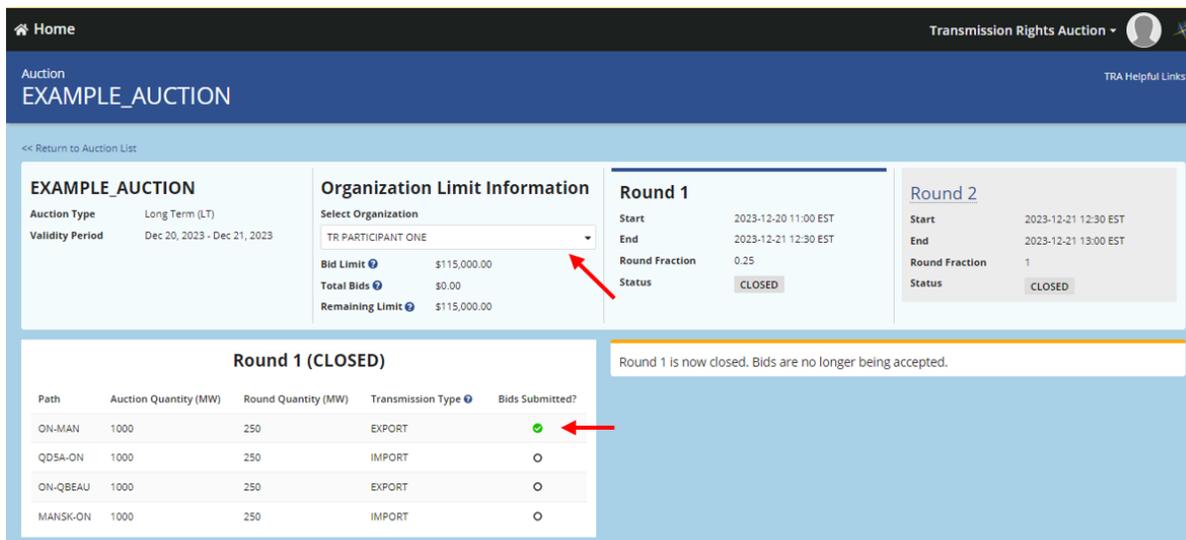
**Note:** You can also view your bid history through *Participant Confidential Reports* (this is described in section 8).

To view a *TR auction* that was previously completed, click the auction name that has status **'CLOSED'**.



Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
TRA_225	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
EXAMPLE_AUCTION	Dec 20, 2023 - Dec 21, 2023	CLOSED	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
LT_BWT_ROUNDS	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
ST_TEST	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
LT_POSTED	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023

The *TR auction* page for a **'CLOSED'** auction is similar to the **'ACTIVE'** and **'POSTED'** auction pages. They will detail round details, *TRs* that were available for the *TR auction* by path, etc. The auction page displays a message to inform user that the rounds are closed and bids are no longer being accepted. Select the organization name to see which paths *TR bids* were submitted on. Paths with previous *TR bids* will have a green checkmark under the **'Bids Submitted?'** column.



**EXAMPLE\_AUCTION**  
Auction Type: Long Term (LT)  
Validity Period: Dec 20, 2023 - Dec 21, 2023

**Organization Limit Information**  
Select Organization: TR PARTICIPANT ONE  
Bid Limit: \$115,000.00  
Total Bids: \$0.00  
Remaining Limit: \$115,000.00

**Round 1**  
Start: 2023-12-20 11:00 EST  
End: 2023-12-21 12:30 EST  
Round Fraction: 0.25  
Status: CLOSED

**Round 2**  
Start: 2023-12-21 12:30 EST  
End: 2023-12-21 13:00 EST  
Round Fraction: 1  
Status: CLOSED

**Round 1 (CLOSED)**  
Round 1 is now closed. Bids are no longer being accepted.

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	✓
QDSA-ON	1000	250	IMPORT	○
ON-QBEAU	1000	250	EXPORT	○
MANSK-ON	1000	250	IMPORT	○

Click the **Path** with a green checkmark to populate a display in the bottom right of the page for the *TR bid* submitted and other submission information.

Round 1 is now closed. Bids are no longer being accepted.

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Initial Creation User: truser1  
Last Updated User: truser1

Initial Bidding Time: 2023-12-21 12:20:35 EST  
Last Updated Bidding Time: 2023-12-21 12:20:35 EST

Lamination	Price (\$)	Quantity (MW)	Lamination Value 
1	\$280.00	5	\$1,400.00
2	\$250.00	10	\$2,500.00
3	\$200.00	15	\$3,000.00
4	\$180.00	20	\$3,600.00
5	\$150.00	25	\$3,750.00
6	\$120.00	30	\$3,600.00
7	\$110.00	35	\$3,850.00
8	\$90.00	40	\$3,600.00
9	\$60.00	50	\$3,000.00
10	\$40.00	60	\$2,400.00

## 2.5 How to Submit a New TR Bid

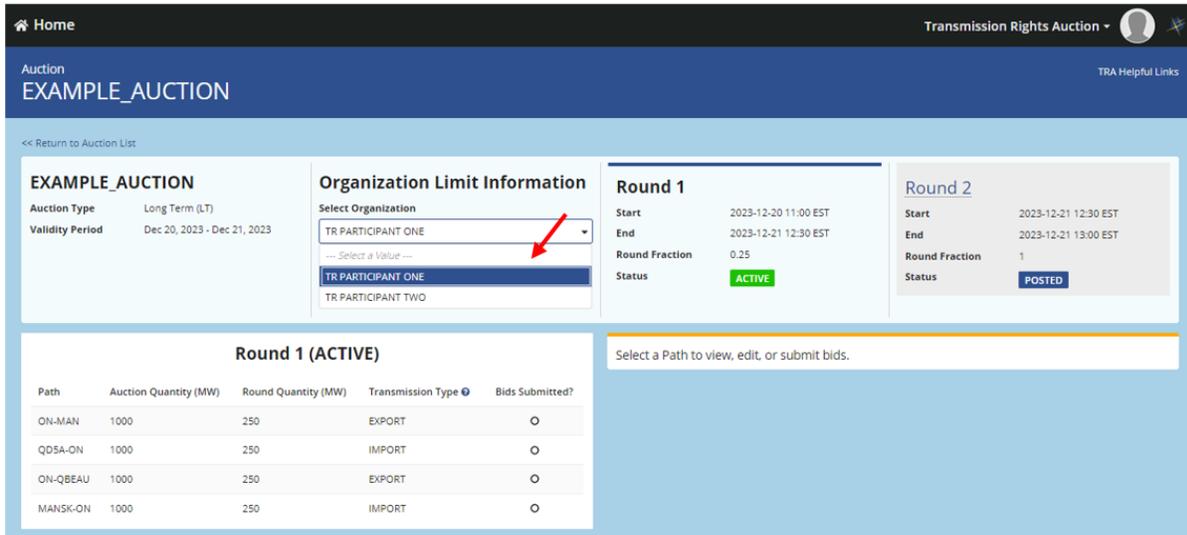
Each *TR bid* contains at least one and up to twenty price-quantity pairs that the user can enter called *TR laminations*. The user, for a specific organization, submits the laminations for a path which represents their *TR bid* on that path in the TRA application. The following high level description of *market rules* apply when you submit a *TR bid* and their *TR lamination(s)* and through the TRA application<sup>1</sup>:

- your *TR participant* status must be Active;
- only one *TR bid* per organization can be active at a time for each product/path being auctioned;
- the MW quantity in a TR lamination cannot exceed the round quantity available in the *TR auction*;
- zero or negative prices are not accepted;
- all *TR lamination* prices must be specified in Canadian dollars;
- *TR lamination* prices must be in descending order, quantities in ascending orders, and no duplicates (the first lamination should be the highest priced lamination and the last lamination should be the highest quantity); and
- the sum of the maximum *TR lamination* values (price times quantity) from all *TR bids* cannot exceed your organization's *TR bid* limit.

<sup>1</sup> Review *market rules* on the [IESO website](#) to understand the full extent of *market rules* applicable to participate in the *TR auction*.

Click on any **'ACTIVE'** auction to access the page and choose an organization from the **Select Organization** drop down.

The page displays **Organization Limit Information**, **Path**, **Auction Quantity**, **Round Quantity**, any existing *TR bids* for your organization in the auction, as well as additional auction and round information.



**EXAMPLE\_AUCTION**

Auction Type: Long Term (LT)  
Validity Period: Dec 20, 2023 - Dec 21, 2023

**Organization Limit Information**

Select Organization: TR PARTICIPANT ONE (highlighted with a red arrow)

**Round 1**

Start: 2023-12-20 11:00 EST  
End: 2023-12-21 12:30 EST  
Round Fraction: 0.25  
Status: **ACTIVE**

**Round 2**

Start: 2023-12-21 12:30 EST  
End: 2023-12-21 13:00 EST  
Round Fraction: 1  
Status: **POSTED**

**Round 1 (ACTIVE)**

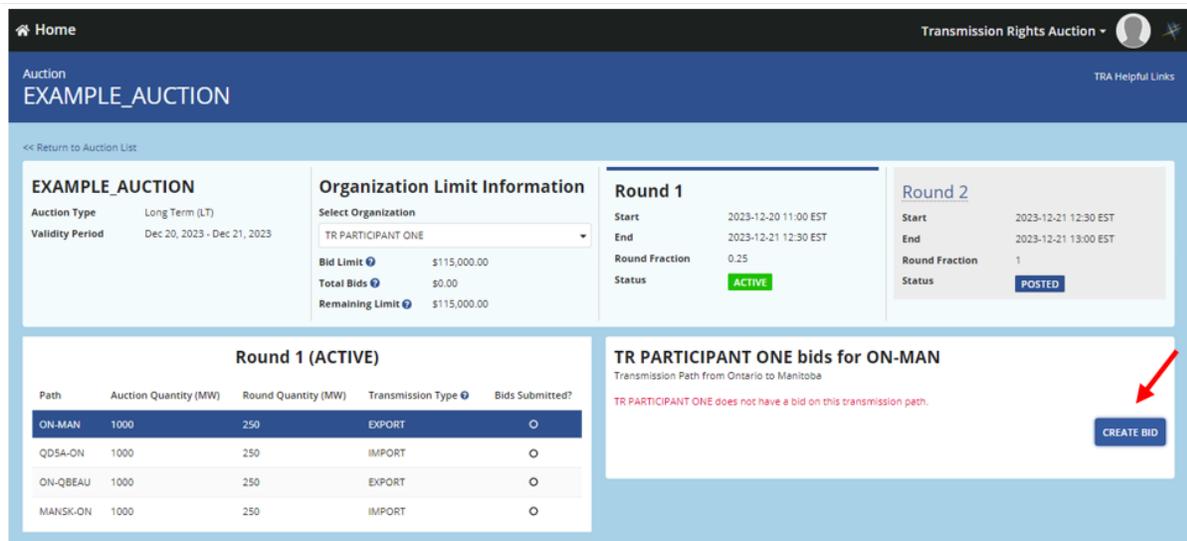
Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	<input type="radio"/>
QDSA-ON	1000	250	IMPORT	<input type="radio"/>
ON-QBEAU	1000	250	EXPORT	<input type="radio"/>
MANSK-ON	1000	250	IMPORT	<input type="radio"/>

Select a Path to view, edit, or submit bids.

For the selected *TR auction*, all the **Paths** are displayed and along with the **Auction Quantity (MW)**, **Round Quantity (MW)** and **Transmission Type** for each path.

### 2.5.1 Placing a TR Bid

To place a *TR bid*, locate the **Path** you want to place a *TR bid* on, and click on **Create Bid**. If any *TR bids* have already been submitted the user will see the previous *TR bid* populated on the bottom right.



**EXAMPLE\_AUCTION**

Auction Type: Long Term (LT)  
Validity Period: Dec 20, 2023 - Dec 21, 2023

**Organization Limit Information**

Select Organization: TR PARTICIPANT ONE (highlighted with a red arrow)

Bid Limit: \$115,000.00  
Total Bids: \$0.00  
Remaining Limit: \$115,000.00

**Round 1**

Start: 2023-12-20 11:00 EST  
End: 2023-12-21 12:30 EST  
Round Fraction: 0.25  
Status: **ACTIVE**

**Round 2**

Start: 2023-12-21 12:30 EST  
End: 2023-12-21 13:00 EST  
Round Fraction: 1  
Status: **POSTED**

**Round 1 (ACTIVE)**

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	<input type="radio"/>
QDSA-ON	1000	250	IMPORT	<input type="radio"/>
ON-QBEAU	1000	250	EXPORT	<input type="radio"/>
MANSK-ON	1000	250	IMPORT	<input type="radio"/>

**TR PARTICIPANT ONE bids for ON-MAN**  
Transmission Path from Ontario to Manitoba

TR PARTICIPANT ONE does not have a bid on this transmission path.

**CREATE BID** (highlighted with a red arrow)

Fill the *TR laminations* with their respective **Price** and **Quantity** pairs. To add more *TR laminations*, click **Add Lamination**, then type in the appropriate price-quantity pairs that the organization would like to use in the *TR bid*. You can delete the *TR laminations* you do not want to submit by clicking the

red X on the right. The **Lamination Value** (Price times **Quantity** of the lamination), populates after entering laminations.

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Lamination	Price (\$)	Quantity (MW)	Lamination Value ⓘ	Delete
1	280	5	\$1,400.00	×
2	250	10	\$2,500.00	×
3	200	15	\$3,000.00	×
4	180	20	\$3,600.00	×
5	150	25	\$3,750.00	×
6	120	30	\$3,600.00	×
7	110	35	\$3,850.00	×
8	90	40	\$3,600.00	×
9	60	50	\$3,000.00	×
10	40	60	\$2,400.00	×

+ Add Lamination

CANCEL SUBMIT BID

If there is any discrepancy in the way the *TR laminations* or overall *TR bid* would be submitted, an error message will be displayed: **‘There are errors with your submission’**. You will not be allowed to submit a *TR bid* with any outstanding errors that do not comply with the *market rules* for *TR bid* and *TR lamination* submissions. You should be prompted with the reason for a submission not being able to be submitted.

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Lamination	Price (\$)	Quantity (MW)	Lamination Value ⓘ	Delete
1	100.25	10	\$1,002.50	×
2	94.5	12	\$1,134.00	×
3	95.25	15	\$1,428.75	×

+ Add Lamination

Price of lamination must be less than the previous lamination

! There are errors with your submission.

CANCEL SUBMIT BID

Check the following, along with the *market rules*, for any errors in your submission:

- Are all **Quantities** equal to or less than the **Round Quantity**?
- Are all **Lamination Values** (Price times the **Quantity**) less than your **Remaining Limit**?

- Is the **Price** and **Quantity** entered greater than zero?
- Does the **Price** only have two decimal points and **Quantity** is a whole number?
- Are **Prices** in descending order and **Quantity** in ascending order, with no duplicated values?

If you have met all the requirements in the *market rules* but still receive an error message, contact IESO Customer Relations for assistance.

To cancel, click the **Cancel** button. This will prompt a message: *'Your changes will be lost. Are you sure you want to cancel this submission?'*. Click **YES** and all the entered laminations will get cleared.

## 2.5.2 Submitting a TR Bid

To submit a *TR bid*, review your submission and click on the **Submit Bid** button. All information pertaining to the *TR bid* will appear along with a message about the successful submission of your *TR bid*. The user who submitted the *TR bid* and the *TR bid* submission time gets displayed along with all laminations. The **'Bid Submitted?'** checkbox will show a green check mark to denote an existing *TR bid*.

Additionally, **Organization Limit Information** will get populated with the **Total Bids** and **Remaining Limit**. The **Total Bids** will take the value of the highest lamination value.

You may edit or delete your laminations after submission until the end of the auction. If any edits are made to the bid, the **Last Updated User** and **Last Updated Bidding Time** displays information with be adjusted to the user and time they last edited/submitted the bid.

The screenshot displays the TR Auction System interface. It includes sections for auction details, organization limit information, round status, and a table of submitted laminations.

**EXAMPLE AUCTION**  
 Auction Type: Long Term (LT)  
 Validity Period: Dec 20, 2023 - Dec 21, 2023

**Organization Limit Information**  
 Select Organization: TR PARTICIPANT ONE  
 Bid Limit: \$115,000.00  
 Total Bids: \$3,850.00  
 Remaining Limit: \$111,150.00

**Round 1**  
 Start: 2023-12-20 11:00 EST  
 End: 2023-12-21 12:30 EST  
 Round Fraction: 0.25  
 Status: ACTIVE

**Round 2**  
 Start: 2023-12-21 12:30 EST  
 End: 2023-12-21 13:00 EST  
 Round Fraction: 1  
 Status: POSTED

**Round 1 (ACTIVE)**

Path	Auction Quantity (MW)	Round Quantity (MW)	Transmission Type	Bids Submitted?
ON-MAN	1000	250	EXPORT	<input checked="" type="checkbox"/>
QDSA-ON	1000	250	IMPORT	<input type="checkbox"/>
ON-QBEAU	1000	250	EXPORT	<input type="checkbox"/>
MANDK-ON	1000	250	IMPORT	<input type="checkbox"/>

**Success!** Your bid laminations have been successfully submitted.

**TR PARTICIPANT ONE bids for ON-MAN**  
 Transmission Path from Ontario to Manitoba

Initial Creation User: truser1  
 Last Updated User: truser1  
 Initial Bidding Time: 2023-12-21 12:20:35 EST  
 Last Updated Bidding Time: 2023-12-21 12:20:35 EST

Lamination	Price (\$)	Quantity (MW)	Lamination Value
1	\$280.00	5	\$1,400.00
2	\$250.00	10	\$2,500.00
3	\$200.00	15	\$3,000.00
4	\$180.00	20	\$3,600.00
5	\$150.00	25	\$3,750.00
6	\$120.00	30	\$3,600.00
7	\$110.00	35	\$3,850.00
8	\$90.00	40	\$3,600.00
9	\$60.00	50	\$3,000.00
10	\$40.00	60	\$2,400.00

Buttons: EDIT LAMINATIONS, DELETE ALL LAMINATIONS

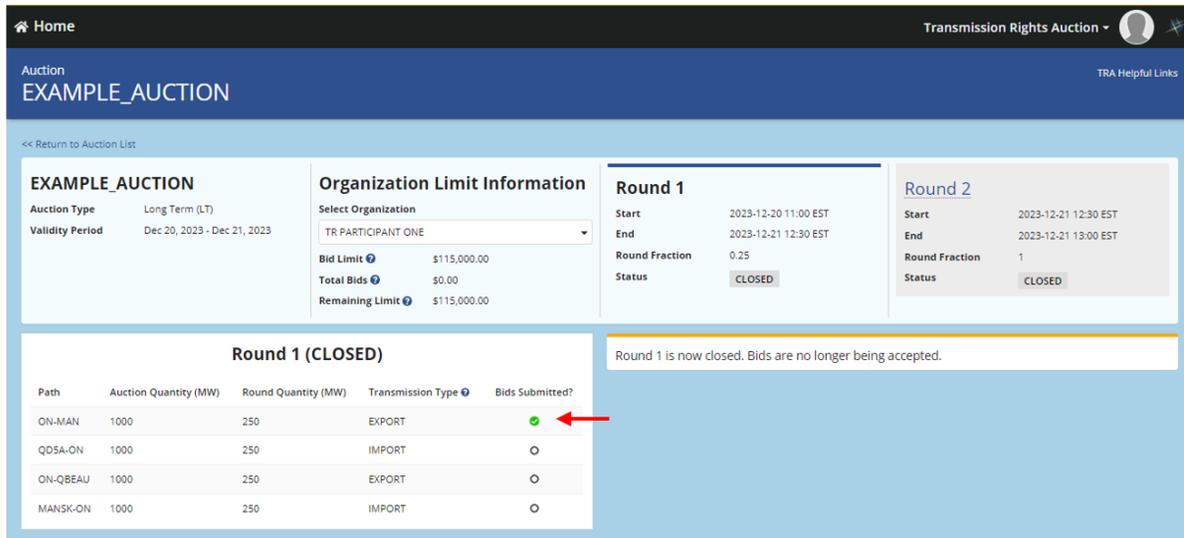
To place another *TR bid*, click beside the available **Path** that you want to submit your *TR bid*. You can continue to place *TR bids* from this page by repeating the steps above, as long as your organization's *TR bid Remaining Limit* is not exhausted.

## 2.6 How to Change an Existing TR Bid

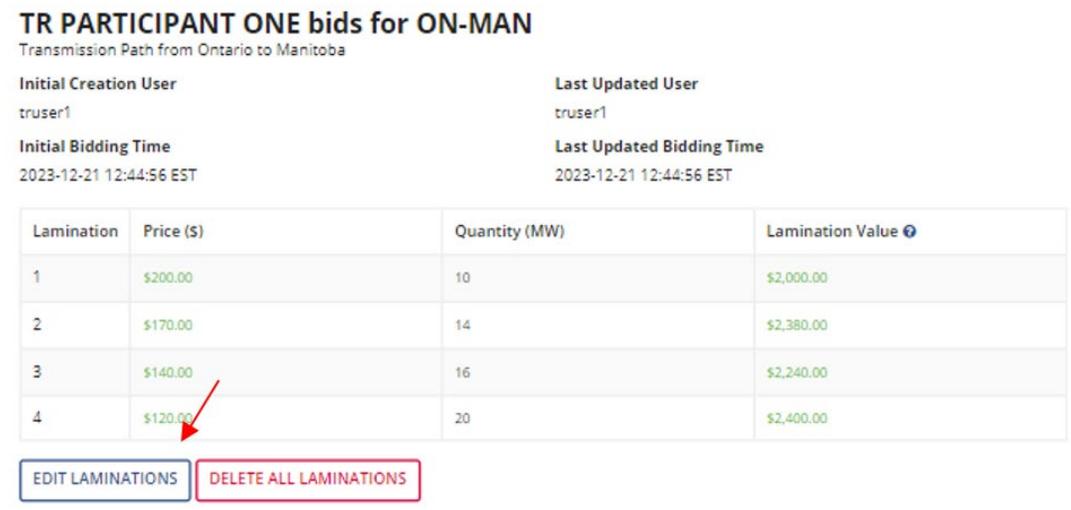
You can only have one *TR bid* per organization for each product/path being auctioned.

The TRA application allows you to make changes to a previously submitted *TR bid* as long as the auction is active. You can change *TR lamination* quantities and/or prices, or delete them entirely at any time before the *TR auction* round has closed, although the *market rules* for submitting *TR laminations and TR bids will continue* to apply.

To change an existing *TR bid*, select the path where there is an existing *bid*.



The existing *TR bid* should populate, and the user can click the ‘**EDIT LAMINATIONS**’ button.



This will display all the laminations as editable. Changes can be made to the **Price** and **Quantity** under each lamination. Furthermore, laminations can be deleted by clicking the **X button** on the right of each lamination.

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Initial Creation User  
truser1

Last Updated User  
truser1

Initial Bidding Time  
2023-12-21 12:44:56 EST

Last Updated Bidding Time  
2023-12-21 12:44:56 EST

Lamination	Price (\$)	Quantity (MW)	Lamination Value ⓘ	Delete
1	200	10	\$2,000.00	✖
2	170	15	\$2,550.00	✖
3	140	16	\$2,240.00	✖
4	120	20	\$2,400.00	✖

ⓘ Add Lamination

Click **Submit bid** to save the changes made. A message will appear to notify you of the successful submission of any edits made. The **Last Updated Bidding Time** and **Last Updated User** (if submitted by a different user) will get updated.

✔ Success! Your bid laminations have been successfully edited. ✖

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Initial Creation User  
truser1

Last Updated User  
truser1

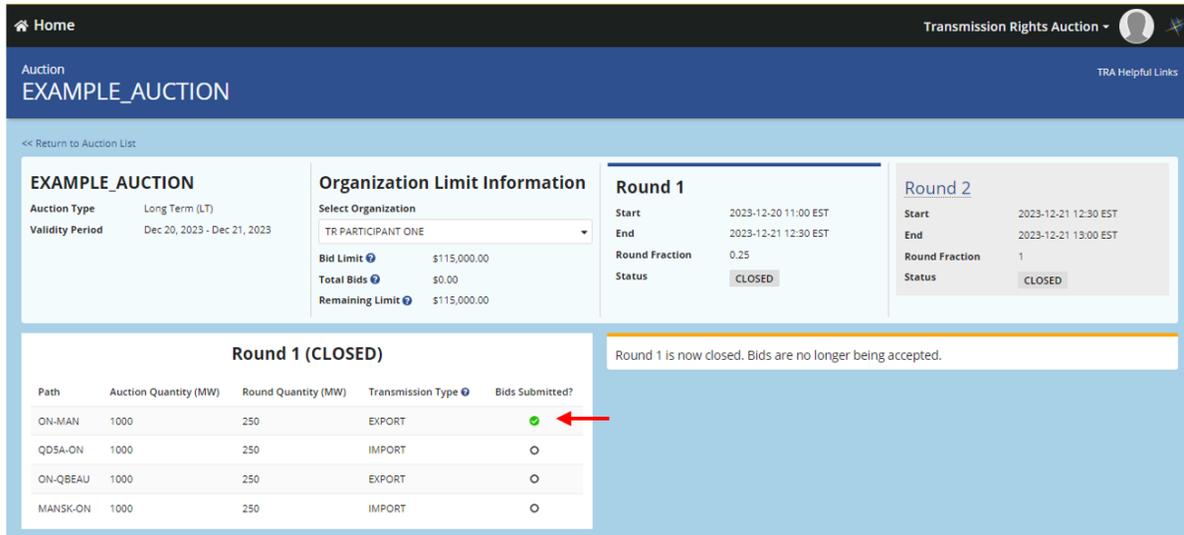
Initial Bidding Time  
2023-12-21 12:44:56 EST

Last Updated Bidding Time  
2023-12-21 12:47:25 EST

Lamination	Price (\$)	Quantity (MW)	Lamination Value ⓘ
1	\$200.00	10	\$2,000.00
2	\$170.00	15	\$2,550.00
3	\$140.00	16	\$2,240.00
4	\$120.00	20	\$2,400.00

## 2.7 How to Delete an Existing TR Bid

You can delete a *TR bid* at any time before the *TR auction* round has closed. To delete an existing *TR bid*, locate the **Path** with the existing *TR bid* you want to delete.



The existing bid should populate. The user can click the ‘DELETE ALL LAMINATIONS’ button.

### TR PARTICIPANT ONE bids for ON-MAN

Transmission Path from Ontario to Manitoba

Initial Creation User

truser1

Last Updated User

truser1

Initial Bidding Time

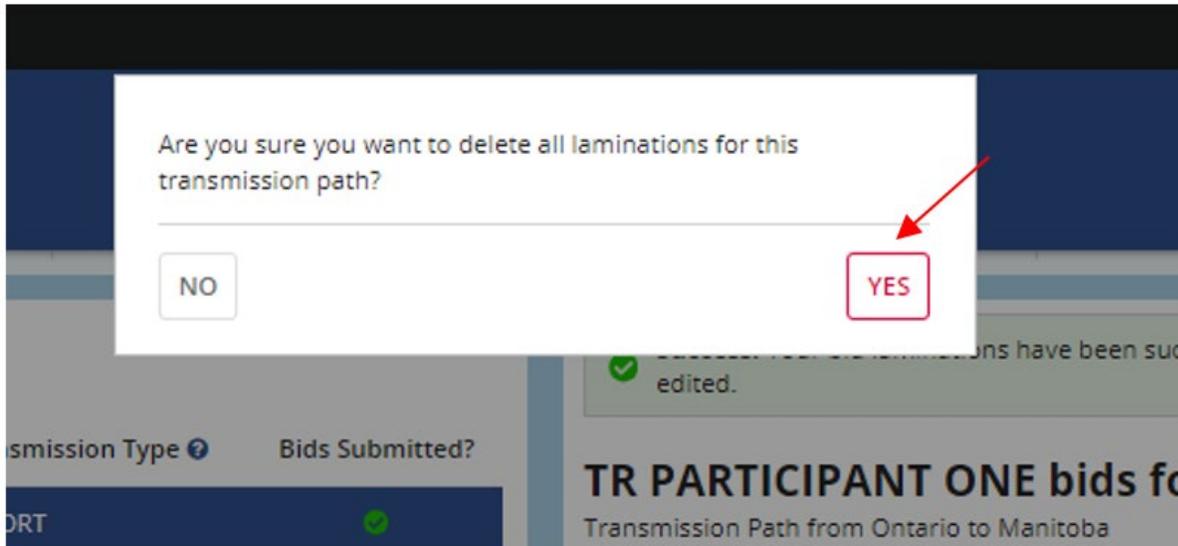
2023-12-21 12:44:56 EST

Last Updated Bidding Time

2023-12-21 12:44:56 EST

Lamination	Price (\$)	Quantity (MW)	Lamination Value
1	\$200.00	10	\$2,000.00
2	\$170.00	14	\$2,380.00
3	\$140.00	16	\$2,240.00
4	\$120.00	20	\$2,400.00

A confirmation screen will open, asking: ‘Are you sure you want to delete all laminations for this transmission path?’. Click ‘YES’ to complete the deletion of the *TR bid*.



You should receive a notification that the *TR bid* was successfully deleted and that the organization doesn't have any existing bid on the transmission path. Your **Trade Limit Information** will also be updated for the organization that the *TR bid* was deleted.



To cancel your request for the deletion, on the 'Are you sure you want to delete all laminations for this Transmission Path?' popup, click 'NO' to return to the screen. The Quantity and the Price columns should continue to show the values for the last *TR bid* placed.

## 2.8 How to Access TR Auction Reports

There are multiple ways to access *TR auction* reports. One way is through the TRA application which has some links to direct you to reports websites. These include the ‘*Public TRA Reports*’, and *Participant Confidential Reports*’ as can be seen in in the box on the top right amongst other helpful links.

Auction Name	Validity Period	Status	Round 1 Bidding Window	Round 2 Bidding Window
<a href="#">TRA_225</a>	Jan 1, 2023 - Jan 1, 2024	POSTED	Dec 28, 2023 - Dec 29, 2023	
<a href="#">EXAMPLE_AUCTION</a>	Dec 20, 2023 - Dec 21, 2023	ACTIVE	Dec 20, 2023 - Dec 21, 2023	Dec 21, 2023 - Dec 21, 2023
<a href="#">LT_BWT ROUNDS</a>	Jan 1, 2024 - Feb 1, 2024	BETWEEN ROUNDS	Dec 20, 2023 - Dec 21, 2023	Dec 22, 2023 - Dec 22, 2023
<a href="#">ST_TEST</a>	Dec 19, 2023 - Dec 21, 2023	CLOSED	Dec 19, 2023 - Dec 20, 2023	
<a href="#">LT_POSTED</a>	Jan 1, 2024 - Feb 29, 2024	CLOSED	Dec 12, 2023 - Dec 12, 2023	Dec 14, 2023 - Dec 15, 2023
<a href="#">ST_20231211</a>	Jan 1, 2024 - Jan 31, 2024	CLOSED	Dec 11, 2023 - Dec 13, 2023	
<a href="#">LT_BTW Rounds 1</a>	Jan 1, 2024 - Apr 30, 2024	CLOSED	Nov 30, 2023 - Dec 1, 2023	Dec 4, 2023 - Dec 7, 2023
<a href="#">ST Test</a>	Nov 23, 2023 - Dec 7, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	
<a href="#">PLACE_R1_BIDS</a>	Nov 24, 2023 - Nov 25, 2023	CLOSED	Nov 23, 2023 - Nov 23, 2023	Nov 23, 2023 - Nov 23, 2023

There are two types of reports available to support the *TR auction*: confidential Market Participant Reports and Public Reports. Market Participant Reports contain *TR* data specific to your organization and Public Reports contain generic data about the *TR auction*.

“Quick Takes Issue 15: Retrieving Reports via IESO Reports Site” details how you can access both these types of reports through the Public Reports and Market Participant Report Sites. This document is found at [IESO Training](#).

### 2.8.1 Market Participant Reports

**Market Participant Reports** contain confidential *TR auction* information related to your organization’s participation in the *TR market*. To access these reports, your organization must be authorized to participate in the *TR market* and you must be an authorized *TR participant* with an *IESO* user name and password. If you require assistance, please contact *IESO* Customer Relations via email at [IESOCustomerRelations@ieso.ca](mailto:IESOCustomerRelations@ieso.ca) or telephone (905) 403-6900.

To access the **Market Participant Report Site**:

- Go to the [IESO Report Site](#)
- Select **Market Participant Reports**
- Log on to your organization’s specific account by entering your **User name** and **Password**
- Locate the report you wish to open in the **Parent Directory**, which lists all available *market participant* reports applicable to your organization. Reports related to the *TR auction* are described below.

### 2.8.1.1 Participant Notification Report

In the **Market Participant Reports Parent Directory**, the “Participant Notification Report” is labelled **TRA-Results**.

The *TR* “Participant Notification Report” contains your organization’s results for a *TR auction* round. The report is usually available within 1 hour of the completion of a *TR auction* (but must be available within 24 hours). Your organization must have participated in the specified *TR auction* round by placing an accepted *TR bid* in order to receive the “Participant Notification Report.”

This report provides notice of what *TRs*, if any, have been awarded and the resultant *TR market clearing price* for the identified auction round in which the organization’s *TR bid* was submitted, as well as the last of the organizations *TR laminations* that cleared the *TR auction*. It also lists the Round End Time and the Validity Period. As long as your organization has entered an accepted *TR bid* in the *TR auction* round, a report will be issued, regardless of whether your organization was successful or not.

### 2.8.1.2 Transmission Rights Auction Bid History Report

In the **Market Participant Reports Parent Directory**, the “Transmission Rights Auction Bid History Report” is labelled **TRA-Bid History**.

The “Transmission Rights Auction Bid History Report” provides the *TR bids* submitted by your organization and their status for the last 18 months. Your organization must have successfully submitted a *TR bid* in a specified *TR auction* round in order to receive the “Transmission Rights Auction Bid History Report.”

## 2.8.2 Public TR Auction Reports

**Public Reports** contain publicly available *TR auction* information. These reports can be accessed by any visitor to the *IESO* website. No password is required.

To access the **Public Reports Site**:

- Go to the [IESO Report Site](#)
- Select **Public Reports**
- Locate the report you wish to open in the **Parent Directory**, which lists all available **Public Reports**. Reports related to the *TR auction* are described below.

### 2.8.2.1 Pre-Auction Market Clearing Price (MCP) Report

In the **Public Reports Parent Directory**, there are separate folders for the long term (LT) and short term (ST) *TR auction* “Pre-Auction MCP Reports.” The LT report is labelled **TRAPreauctionMCPLT** while the ST report is labelled **TRAPreauctionMCPST**.

The “Pre-Auction MCP Report” provides the *TR market clearing prices* for either long term (LT) or short term (ST) *TR auction* rounds that have closed in the 18 months prior to the report date.

This report is published at least 30 days prior to the opening of the *TR auction*.

### 2.8.2.2 Forecast of Transmission Transfer Capability (TTC) for Transmission Rights Auction

In the **Public Reports Parent Directory**, there are separate folders for the long term (LT) and short term (ST) “Forecast of Transmission Transfer Capability for Transmission Rights Auction” (or “TRA Preauction TTC” for short). The LT report is labelled **TRAPreauctionTTCLT** while the ST report is labelled **TRAPreauctionTTCST**.

The “Forecast of Transmission Transfer Capability for Transmission Rights Auction Report” enables you to view the forecast of *transmission transfer capability* used to determine the number of *TRs* that will be offered and the maximum number of *TRs* that may be available. The maximum number of *TRs* that may be available for any particular *TR auction* will be reduced by the number of *TRs* sold in previous *TR auctions* with the same period of validity. This actual number for a specific *TR auction* may be viewed on the TRA application after selecting a *TR auction*, but may not be valid until all previous *TR auctions* with the same period of validity have been processed (this number will be updated in the TRA application prior to auction start).

The report also contains a link to the detailed *transmission transfer capability* assessments used to identify any assumptions and applicable constraints that can limit the number of *TRs* that can be awarded. This report is published at least 30 days prior to the conducting of the *TR auction*.

### 2.8.2.3 TR Hourly Zonal Price Report

In the **Public Reports Parent Directory**, the “TR Hourly Zonal Price Report” is labelled **TRAPreauctionHZMCPMonthly**.

The pre-auction “TR Hourly Zonal Price Report” provides the hourly zonal *market prices* determined on the basis of the last projected *market price* (the zonal price from the last run of the *pre-dispatch* unconstrained schedule) for *energy*.

This report is usually available on a daily basis by approximately 06:30 EST. The report looks backward for 60 days to ensure that any price revisions are captured in the report.

### 2.8.2.4 Monthly Historical Interface Flows, Schedules, and Transmission Transfer Capability Report

In the **Public Reports Parent Directory**, the “Monthly Historical Interface Flows, Schedules and Transmission Transfer Capability Report” (or “Monthly TR Historical Interface Report” for short) is labelled **TRAPreauctionInterfaceHistoryMonthly**.

This report provides the actual hourly average Schedules and Flows as a result of scheduled market-based – and (effective February 6, 2003) off-market – transactions between Ontario and an *intertie zone*. (Negative values denote flows into Ontario).

The report also provides the *transmission transfer capability* used for determining the maximum import/export *market schedule* between Ontario and an *intertie zone*. (*Transmission transfer capability* or TTC IN refers to flows from the external *intertie zone* into Ontario).

This report is usually available on a daily basis by approximately 06:30 EST. The report looks backward for 60 days to ensure that any revisions to the schedule or flows are captured in the report.

### 2.8.2.5 TRA Post MCP Report

In the **Public Reports** Parent Directory, there are separate “TRA Post Auction MCP Reports” for each round offered for long-term (LT) *TR auctions* and short-term (ST) *TR auctions*. For example, Long-Term Auction Round 1 reports are labelled **TRAPostauctionMCPLTr1**, Long-Term Auction Round 2 reports are labelled **TRAPostauctionMCPLTr2**, and Short-Term Auction Reports are labelled **TRAPostauctionMCPST**.

The “TRA Post Auction MCP Report” provides overall *TR auction* results after the *TR auction* round has been completed. The report identifies the total number of *TRs* awarded and the associated *TR market clearing price* for a particular path in a *TR auction* round.

The report is usually available within 1 hour of the completion of a *TR auction* (but must be available within 24 hours).

– End of Section –

## References

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Document ID	Document Title
<a href="#">MDP_RUL_0002</a>	Market Rules for the Ontario Electricity Market
<a href="#">PRO-408</a>	Market Manual 1.5 Market Registration Procedures
<a href="#">MDP_PRO_0033</a>	Market Manual 5.5: Physical Markets Settlement Statement
<a href="#">MDP_PRO_0046</a>	Market Manual 5.7: Financial Markets Settlement Statement
<a href="#">Marketplace Training</a>	IESO Gateway User Guide
<a href="#">Marketplace Training</a>	Transmission Rights
<a href="#">Marketplace Training</a>	Quick Takes Issue 15 – Retrieving Reports via the IESO Reports Site

– End of Document –