

Scheduling Infrastructure & Business Rules (SIBR) Overview for DAME & EDAM – Transfer System Resources

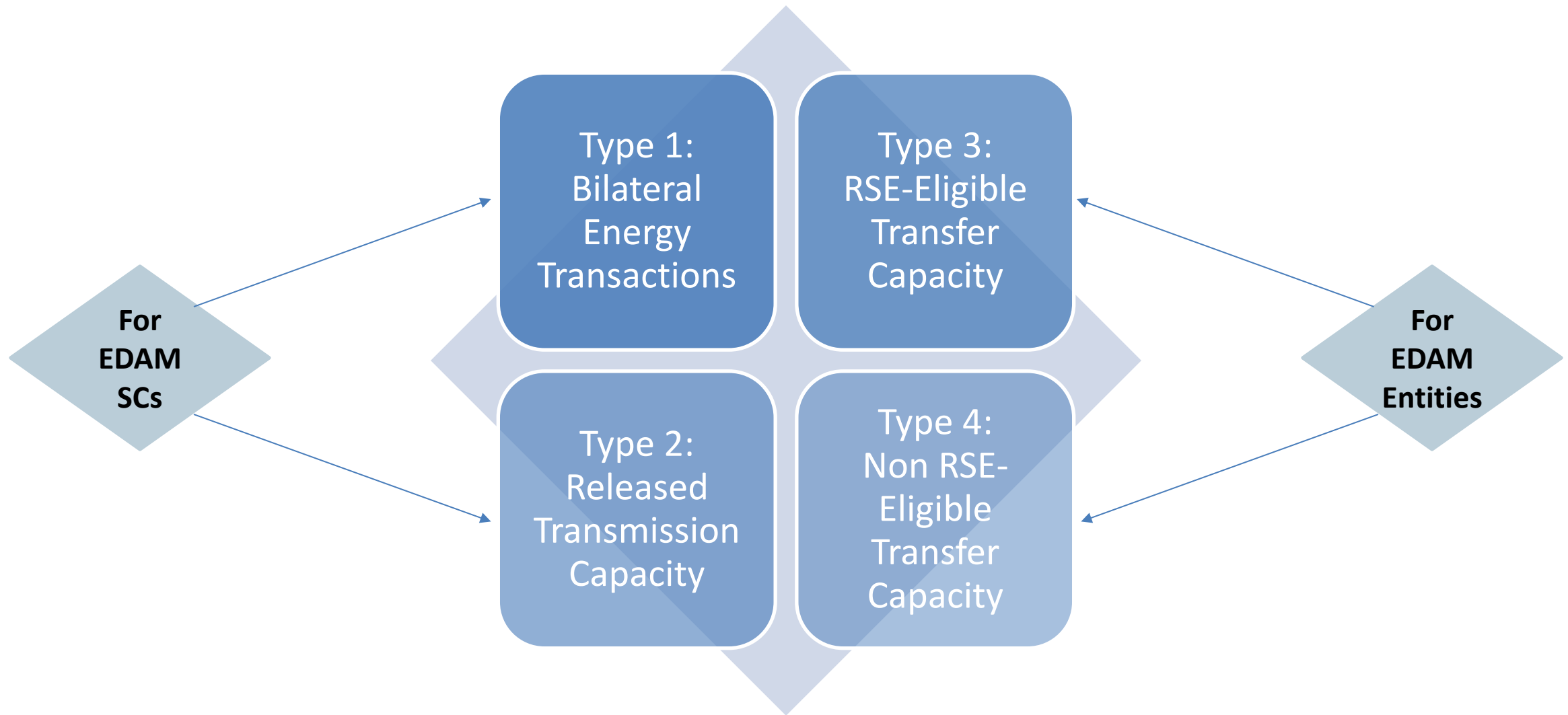
Rev. 2/6/26

Bilateral Energy Transactions

TRANSFER SYSTEM RESOURCES



Types of Transfer System Resources (TSRs)



TSR TYPE 1

TSR Type 1: Bilateral Energy Transactions

Type 1 TSRs are for EDAM SCs (transmission customers) exercising physical and financial transmission rights on each side of a transfer.

Registration

- ✓ EDAM Entity on each side must register TSR for relevant EDAM SC in Master File.
- ✓ Or, EDAM SC may define TSR in SIBR for the trading day.

Self-Scheduling Rights

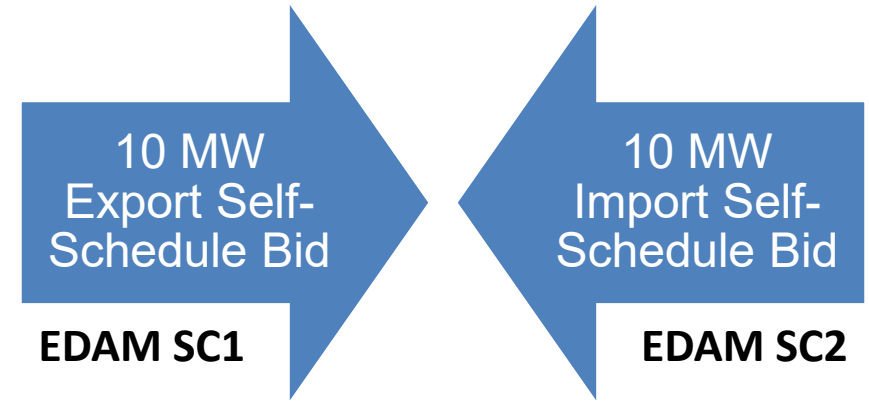
- EDAM SC may submit self-schedule bid under a unique Contract Reference Number (CRN) on respective TSR.
- All CRNs must be registered in Master File by relevant EDAM Entity.
- Self-schedule bids must be balanced and within CRN entitlement.
- Retains financial rights even if physical rights are lost.
- Self-schedule bids are RSE-eligible.

Using TSR Type 1: Bilateral Energy Transactions

Requirements

- TSR Type 1 is for self-schedule bids (not economic bids).
- Transfer revenue goes to EDAM Entity.
- Self-schedule bids must be balanced.
- EDAM SCs on both sides of the transaction have submitted matching self-schedule bids.

Example



SIBR Validation:

- ✓ Matching Intertie point, trade date/ trade hour
- ✓ Correct CRNs used
- ✓ MWs within CRN entitlement

TSR Definition and Validation

Definition and Matching

- Once an EDAM Entity submits a list of EDAM SCs and associated transmission right capacities by Contract Reference Number (CRN) at a transfer location, those EDAM SCs may define Type 1 Transfer System Resources (TSRs) for the Trading Day.
- When the corresponding EDAM SC submits a matching TSR, SIBR cross-validates the TSR pair and finalizes the TSR definition.

Bidding Requirements and Adjustments

- A Type 1 TSR bid must include an energy self-schedule that does not exceed the TSR's Maximum Capacity.
- If the EDAM Entity derates the CRN capacity before 9:00 am, SIBR will automatically reduce the TSR self-schedule bid to reflect the updated capacity.
- SIBR may also adjust the TSR self-schedule bid to match a lower value submitted for the matching TSR.

Rebidding of Type 1 TSRs in the Real-Time Market

EDAM SC Activity

- EDAM SC must rebid Type 1 TSRs in real-time to self-schedule under the CRN, unless the CRN has expired after day-ahead.
- If the CRN has expired or is “NONE,” a price-taker self-schedule bid is required.
- EDAM SCs may adjust real-time self-schedules from the day-ahead version.
- They may increase bids to use reserved (but unused) rights from day-ahead, up to the Maximum Capacity.



SIBR Validation

- CRNs are validated for entitlement (not balancing) in real-time; SIBR sets the Priority Indicator accordingly.
- SIBR ensures that the total of all Type 1 TSR self-schedule bids plus any released capacity does not exceed the CRN capacity set by the EDAM Entity for that SC and transfer location.

SIBR: Create Bid – TSR Type 1

Create bid

Date: 06/16/2025
Type: Inter-Tie
Product type: [2] item(s)
Coordinator: [v]
Resource: [v]

Search: %

Available

- Reliability Cap Down
- Reliability Cap Up
- Self Schedule - Base
- Self Schedule - ETC
- Self Schedule - LPT
- Self Schedule - OATT1
- Self Schedule - OATT2
- Self Schedule - Standard
- Self Schedule - TOR
- Transfer Capacity Limit

Selected: 7 item(s) (Max: 20)

- Energy
- Self Schedule - Standard
- Self Schedule - ETC
- Self Schedule - TOR
- Self Schedule - OATT1
- Self Schedule - OATT2
- Transfer Capacity Limit

OK Cancel

These bid types are for use with CRN (TSR Type 1)

- ETC/TOR are existing types
- OATT1/OATT2 are new

SIBR: Create Bid – TSR Type 1

Actions:

- Select New row
- Use Drop down
- Available CRN List
- Self-Schedule MW
- 1 or more hours

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Bids

Trades

Convergence Bids

Energy Forecast

Export Priority Report

Ind Viewer

OTC Viewer

Messages

Dyn

Market:

Day Ahead

Date:

06/23/2025

Coordinator:

Apply

Reset

▼ Bid summary

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Status	Resource type	Resource ID	State	Daily	Hourly	Energy	Energy Adj	STD	ETC	ETP	TOR	TOP	RMT	BAS	LOF	LPT	LSG	OATT1	OATT2
	Inter-Tie						N/A			N/A		N/A	N/A		N/A		N/A		

Energy

Energy Adj

Daily

Hourly

SS-STD

SS-ETC

SS-ETP

SS-TOR

SS-TOP

SS-RMT

SS-BAS

SS-LOF

SS-LPT

SS-LSG

SS-OATT1

SS-OATT2

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Hour	Resource Name	Self schedule contract(s)	Block bid hours
01h			
02h			
03h			
04h			
05h			
06h			

▼ Obligation(s)

New row

Update

Cancel

🔄

Self schedule quantity	Contract
	[None]
	[None]

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Sample Bid Messages based on SIBR Rules

- This screenshot shows an example of the types of messages you will see based on SIBR rules. There will be new rules for TSR CRNs (TSR Type 1) that are like the ones shown below.
- Once updated, the new rules will be added to the SIBR rules document posted on caiso.com.

▼ Bid Messages			
Product	Rule#	Level	Message
	40001	6	TV bid processed - and is market accepted (Valid, MF Insert, Conditionally Valid, Modified, Conditionally Modified)
	43001	6	Bid is accepted - processed for - Open Tie Status initialization (set to N)
Self Schedule - TOR	60008	6	ETC data validation - TOR Contract passed Priority
Self Schedule - TOR	63002	6	ETC data validation - TOR Balanced
Self Schedule - TOR	63005	6	ETC data validation - TOR Chain passed Priority
	63010	6	Wheeling Transaction validation - Wheeling Balance Set to YES because there is an Export/Load resources with the same Wheeling Reference for the same Trading Hour.
	63011	6	Wheeling Transaction validation - Wheeling Balance Set to YES because there is Import/Generation resources with the same Wheeling Reference

TRANSIENT TSR

Transient Transfer System Resource (TSR) Example

- From the Bids tab, click the Create Bid icon.

The screenshot shows the 'Bids' tab selected in the top navigation bar. Below the navigation bar, there are fields for 'Market: Day Ahead', 'Date: 01/31/2026', and 'Coordinator: 0PGE'. Below these fields is a 'Bid summary' section with a green box highlighting the 'Create bid' icon. The main area of the interface is a table with columns: Status, Create bid, Resource type, Resource ID, State, Daily, Hourly, Energy, Energy Adj, STD, ETC, ETP, TOR, and TOP.

- Set a date for a future trade date.

The screenshot shows the 'Create bid' dialog box. The 'Date' field is highlighted with a green box and contains the value '01/31/2026'. Other fields include 'Coordinator: 0PGE', 'Type: Inter-Tie Transaction', 'Transaction id: [None]', 'Product type: [2] item(s)', 'Scheduling point: AMARGOSA_1_SN001', 'Primary tie: 4CORNERS345_PACE', 'Alternate tie: [None]', 'PSE identifier: [empty]', 'Direction: Import', and 'Energy type: Firm'. The 'Create' and 'Cancel' buttons are at the bottom right.

Transient Transfer System Resource (TSR) Example

- Select your Type as Transient TSR from the drop down.

The 'Create bid' dialog box is shown with the following fields and values:

- Date: 01/31/2026
- Coordinator: 0PGE
- Type: Transient TSR
- TSR: [None]
- Product type: Inter-Tie Transaction
- Transient TSR: Transient TSR (selected)
- Transfer Location: CISO_PACE_MDWP_E
- TSR Type: 1
- RSE Flag: Yes
- Matching SC: 0PGE
- Maximum Capacity: [Empty]
- CRN: [None]
- NN (> 25): 26

Buttons: Create, Cancel

- After selecting Transient TSR as your Type, select your Product type:
 - for Transient TSR, selection will be OATT1, OATT 2, ETC or TOR.

The 'Create bid' dialog box is shown with the following fields and values:

- Date: 01/31/2026
- Coordinator: 0PGE
- Type: Transient TSR
- TSR: [None]
- Product type: [1] item(s)
- Transient TSR: [Empty]
- Transfer Location: CISO_PACE_MDWP_E
- TSR Type: 1
- Matching SC: 0PGE
- CRN: [None]

A sub-dialog box is open for selecting the product type. It has a search bar and two lists:

- Available:
 - Ancillary Svc - NSp Reserve
 - Ancillary Svc - Reg Down
 - Ancillary Svc - Reg Up
 - Ancillary Svc - Sp Reserve
 - Hourly
 - Self Schedule - ETC
 - Self Schedule - OATT1
 - Self Schedule - OATT2
 - Self Schedule - Standard
 - Self Schedule - TOR
- Selected: 1 item(s) (Max: 20)
 - Self Schedule - Standard
 - Self Schedule - ETC

Buttons: OK, Cancel

Transient TSR Example

- Select the Matching SC
 - This is the Scheduling Coordinator ID that the contract is associated with.

The 'Create bid' dialog box is shown with the 'Matching SC' dropdown menu open. The menu lists various Scheduling Coordinator IDs, with '0PGE' selected. Other fields include 'Date' (01/31/2), 'Type' (Transient), 'Product type' ([1] item), 'Transfer Location' (AET1), 'TSR Type' (AET1), 'CRN' ([None]), 'Coordinator' (0PGE), 'TSR' ([None]), 'RSE Flag' (Yes), 'Maximum Capacity' (26), and 'NN (> 25)' (26). The 'Create' and 'Cancel' buttons are at the bottom right.

- Select the applicable CRN that Transfer Location is associated with
 - In order for the CRN field to provide a dropdown, Contract Reference Numbers must be associated with the Transfer Location must be associated.
 - Before entering these bids in SIBR, it is important to know what contracts exist for matching purposes.

The 'Create bid' dialog box is shown with the 'CRN' dropdown menu open. The menu lists various Contract Reference Numbers, including 'PACE_BEPM_OATT2_LT-FIRM_BEPM', 'PACE_BEPM_OATT2_NONFIRM_BEPM', 'PACE_BEPM_OATT2_ST-FIRM_BEPM', 'PACE_BPAC_OATT2_LT-FIRM_BPAP', 'PACE_BPAC_OATT2_NONFIRM_BPAP', 'PACE_BPAC_OATT2_ST-FIRM_BPAP', 'PACE_COMB_OATT2_LT-FIRM_CLAR', 'PACE_COMB_OATT2_NONFIRM_CLAR', 'PACE_COMB_OATT2_ST-FIRM_CLAR', 'PACE_FPLP_OATT2_LT-FIRM_FPLP', 'PACE_FPLP_OATT2_NONFIRM_FPLP', 'PACE_FPLP_OATT2_ST-FIRM_FPLP', 'PACE_MSG2_OATT2_LT-FIRM_DGTM', 'PACE_MSG2_OATT2_NONFIRM_DGTM', 'PACE_MSG2_OATT2_ST-FIRM_DGTM', 'PACE_PAC1_OATT2_LT-FIRM_PAC', 'PACE_PAC1_OATT2_NONFIRM_PAC', 'PACE_PAC1_OATT2_ST-FIRM_PAC', 'PACE_PCPM_OATT2_LT-FIRM_PPMI', and 'PACE_PAC1_OATT2_LT-FIRM_PAC'. The 'CRN' field is highlighted with a green box, and a blue arrow points to it from the text 'Before entering these bids in SIBR, it is important to know what contracts exist for matching purposes.'

Transient TSR Example

- Set your Maximum Capacity.
 - The maximum capacity helps determine how much of the resource can be applied to that contract when bid is submitted.

The 'Create bid' dialog box is shown with the following fields and values:

- Date: 01/31/2026
- Coordinator: 0PGE
- Type: Transient TSR
- TSR: [None]
- Product type: [2] item(s)
- Transient TSR section:
 - Transfer Location: PACE_PACW_HMWYP_E
 - TSR Type: 1
 - Matching SC: 0PGE
 - CRN: PACE_PAC1_OATT2_LT-FIRM_PAC
 - RSE Flag: Yes
 - Maximum Capacity: 10 (highlighted with a green box)
 - NN (> 25): 26HQ

Buttons: Create, Cancel

- Set the NN (>25)
 - This field accepts alpha numeric characters allowing indication of bid submitter (i.e. initials)
 - Number cannot be lower than 25.

The 'Create bid' dialog box is shown with the following fields and values:

- Date: 01/31/2026
- Coordinator: 0PGE
- Type: Transient TSR
- TSR: [None]
- Product type: [2] item(s)
- Transient TSR section:
 - Transfer Location: PACE_PACW_HMWYP_E
 - TSR Type: 1
 - Matching SC: 0PGE
 - CRN: PACE_PAC1_OATT2_LT-FIRM_PAC
 - RSE Flag: Yes
 - Maximum Capacity: 10
 - NN (> 25): 26HQ (highlighted with a green box)

Buttons: Create, Cancel

Transient TSR Example

- Select Create.
 - The bid has now been created, but not yet submitted.

Create bid

Date: 01/31/2026 Coordinator: 0PGE
 Type: Transient TSR TSR: [None]
 Product type: [2] item(s)

Transient TSR

Transfer Location: PACE_PACW_HMWYP_E
 TSR Type: 1
 Matching SC: 0PGE
 CRN: PACE_PAC1_OATT2_LT-FIRM_PAC
 RSE Flag: Yes
 Maximum Capacity: 10
 NN (> 25): 26HC

Create **Cancel**

- Back on the Bids page, click on the details tab of the Product Type you selected.
 - In this example it is ETC so select the SS-ETC tab.

California ISO

MAPSTAGE SIBR 177:1 3.8.44-202408291

Bids

Trades

Convergence Bids

Energy Forecast

Export Priority Report

Bid Viewer

OTC Viewer

Messages

Dynamic Limit

Ancillary Service Requirement

Admin

Market: Day Ahead | Date: 01/31/2026 | Coordinator: 0PGE |

Apply

Reset

Bid summary

</

Transient TSR Example

- Click the pencil under obligations.
 - Enter self schedule quantity to set your self-schedule value.
 - Click Update.

The screenshot displays the California ISO MAPSTAGE SIBR interface. The top navigation bar includes tabs for Bids, Trades, Convergence Bids, Energy Forecast, Export Priority Report, Ind Viewer, OTC Viewer, Messages, Dynamic Limit, Ancillary Service Requirement, and Admin. The main area shows a 'Bid summary' table with columns for Status, Resource type, Resource ID, State, Daily, Hourly, Energy, Energy Adj, STD, ETC, ETP, TOR, TOP, RMT, BAS, LOF, LPT, LSG, OATT1, OATT2, Gen, Load, RU, RD, SR, NR, LFD, LFU, IRU, IRD, RCU, RCD, Down, Up, TCL, Submitted, and Market status. A 'Transient TSR' entry is visible with Resource ID '0PGE-PACE_PACW_HMWYP_E-1-0PGE-28HC' and Market status 'Open'.

Below the main table, a detailed view of the 'Transient TSR' is shown, including a table of 'Hour' vs 'Resource Name' and 'Self schedule contract(s)'. A green box highlights the 'Obligation(s)' section, which contains a table with 'Self schedule quantity' and 'Contract'. A green arrow points from the 'Update' button in the 'Obligation(s)' dialog to the 'Self schedule quantity' field, which is currently set to '10'. The 'Contract' field is set to 'PACE_PPWE_ETC_RS'.

Transient TSR Example

- Click on the pencil in the resource name section and set your self-schedule values per hour.
 - Right click in the top field and select Set All values in column to copy this value down through all hours.
 - You can make edits to individual hours under the Obligations pane.
 - Click Update.

The screenshot displays the California ISO MAPSTAGE SIBR interface. The top navigation bar includes tabs for Bids, Trades, Convergence Bids, Energy Forecast, Export Priority Report, Ind Viewer, OTC Viewer, Messages, Dynamic Limit, Ancillary Service Requirement, and Admin. The main area shows a 'Bid summary' for a 'Transient TSR' resource. A green box highlights the pencil icon in the resource name column. Another green box highlights the 'Update' button in the top left of the 'Self schedule' table. A third green box highlights the 'Set all values in column to this value' option in the right-click context menu. The 'Self schedule' table lists hours from 01h to 15h, all with the resource name '0PGE-PACE_PACW_HMWYP_E-1-0PGE-26HC'. The 'Obligation(s)' pane on the right shows a self-schedule quantity of 10.00 and a contract name 'PACE_PPWE_ETC_RS262GLEN'.

Transient TSR Example

- Bid is now ready to be submitted.
 - Click the submit icon.
 - Click Apply.

The screenshot displays the California ISO MAPSTAGE SIBR interface. At the top, the navigation bar includes tabs for Bids, Trades, Convergence Bids, Energy Forecast, Export Priority Report, Ind Viewer, OTC Viewer, Messages, Dynamic Limit, Ancillary Service Requirement, and Admin. The 'Export Priority Report' tab is active, showing a 'Market: Day Ahead' view for the date 01/31/2026. A green box highlights the 'Apply' button in the top right corner of the bid summary section.

The 'Bid summary' section shows a table with columns for Status, Resource type, Resource ID, State, Daily, Hourly, Energy, Energy Adj, STD, ETC, ETP, TOR, TOP, RMT, BAS, LOF, LPT, LSG, OATT1, OATT2, Gen, Load, RU, RD, SR, NR, LFD, LFU, IRU, IRD, RCU, RCD, Down, Up, TCL, Submitted, and Market status. The first row, highlighted in blue, represents a 'Transient TSR' bid for resource '0PGE-PACE_PACW_HMWYP_E-1-0PGE-26HC' with a status of 'Open'.

Below the bid summary, there are two detailed views: 'Energy' and 'Obligation(s)'. The 'Energy' view shows a table with columns for Hour, Resource Name, Self schedule contract(s), and Block bid hours. The 'Obligation(s)' view shows a table with columns for Self schedule quantity and Contract. The 'Obligation(s)' view shows a self-schedule quantity of 9.00 and a contract of 'PACE_PPWE_ETC_RS262OLEN'.

The bottom status bar indicates 'CONNECTED', 'HARDER | Read/Write', and the timestamp '01/29/2026 08:12 PST'.

Transient TSR Example

- Results of bid submission will populate Bid Summary fields.
 - Click on the bid to see the popup Bid Messages that will identify the applicable business rules.
 - Follow processes to make edits to bids based on the business rules generated.

Bid Messages for market plan: 26013100 and resource: 0PGE-PACE_PACW_HMWYP_E-1-0PGE-26HC

Status: Invalid

Product	Rule#	Level	Message
Self Schedule - ETC	33001	5	Bid did not pass validation rules, please check rule messages for details
Self Schedule - ETC	33204	0	Bid is Invalid - The ETC Contract is NOT registered
Self Schedule - ETC	33206	0	Bid is Invalid - The ETC Self-Schedule Quantity is greater than the registered Maximum allowed under this contract

SIBR Business Rules for Spring 2026 DAME EDAM
Version 12.3.4 19/02/2026 CAISO Public

Market	Business Rule for	Business Rule Numbering	Description	Comments
ALL	10001	1 0 0 1	The configurable Time Precision must be initialized to one minute	Consistent, configurable parameters and general system
ALL	10002	1 0 0 2	The configurable Quantity Precision must be initialized to 0.01 MW, MWh, or MWh/min	
ALL	10003	1 0 0 3	The configurable Price Precision must be initialized to one cent of a US Dollar	
ALL	10004	1 0 0 4	The configurable Distribution Factor Precision must be initialized to 0.0001	
ALL	10005	1 0 0 5	The configurable Balancing Tolerance must be initialized to 0.1 MW	
ALL	10006	1 0 0 6	All Submitted Bids and Submitted Trades must adhere to the following numerical precision rules: all all time quantities must have a precision no finer than the configurable Time Precision, to all Energy Capacity, and Ramp Rate quantities must have a precision no finer than the configurable Quantity Precision, and all prices must have a precision no finer than the configurable Price Precision	
ALL	10007	1 0 0 7	The configurable Maximum Start-Up Time/Cost Curve Segment Number for Submitted Bids must be initialized to 3	
ALL	10008	1 0 0 8	The configurable Maximum Energy Curve Segment Number for Submitted Bids must be initialized to 10	
ALL	10009	1 0 0 9	The configurable Maximum Ramp Rate Curve Segment Number for Submitted Bids must be initialized to 4	
ALL	10010	1 0 0 10	The configurable NGR Maximum Ramp Rate Curve Segment Number for Submitted Bids must be initialized to 2	
ALL	10011	1 0 0 11	The configurable Energy Bid Floor must be initialized to -\$1500/MWh	
ALL	10012	1 0 0 12	The configurable Energy Bid Ceiling must be initialized to \$5000/MWh	
ALL	10013	1 0 0 13	The configurable Energy Bid Self-Cap must be initialized to \$1000/MWh	
DAME	10014	1 0 0 14	The configurable Day-Ahead Inter-Tie Virtual and Non-Participating Load Energy Bid Ceiling must be initialized to the Energy Bid Self-Cap for each Trading Hour	
RTM	10015	1 0 0 15	The configurable Real-Time Inter-Tie Energy Bid Ceiling must be initialized to the Energy Bid Ceiling for each Trading Hour in which the Energy Bid Ceiling High Limit Flag is set to Yes, otherwise it must be initialized to the Energy Bid Self-Cap, and all Scheduling Coordinators must be notified of Trading Hour, including the Exact Times when the Energy Bid Ceiling must be updated to the Energy Bid Ceiling	

Data from SIBR Business Rules spreadsheet populates these fields to provide status information.

TSR TYPE 2

TSR Type 2: Released Transmission Capacity

Type 2 TSRs are for capacity from EDAM SCs (transmission customers) that release their transmission rights on each side of a transfer.

Registration

- ✓ EDAM Entity on each side of transfer has registered TSR in Master File for relevant EDAM SC.

SIBR-Defined

- ✓ Automatically generated by SIBR based on released capacity.

Notes regarding usage

- EDAM SC releases rights on the TSR.
 - EDAM SC may be same or different for both TSRs but released transfer capacities must be equal.
 - EDAM SCs eligible to receive 50% of transfer revenue.

Using TSR Type 2: Released Transmission Capacity

- TSR Type 2 offers transfer capacity intended to maximize the system's economic potential.
- Transfer revenue goes to EDAM SC.
- **Bid Requirements:**
 - Only accepted for TSRs registered in the Master File.
 - Must specify a Capacity Limit not exceeding the TSR's Maximum Capacity.
 - Capacity is released to EDAM for optimal scheduling.

SIBR-Defined Type 2 TSRs must be submitted by 9:00 am

EDAM SCs submit the MW amount of released capacity they want to make available for Type 2 before 9:00 am.

API submission details include:

- SC_ID: Registered EDAM SC
- TRANSFER_LOCATION: Registered transfer location
- TRADING_DAY: Up to 7 days in advance
- TRADING_HOUR: May vary by hour
- CRN_ID: Registered Contract Reference Number
- CRN_CAPACITY: Total transmission right for the CRN, usable for Type 1 or releasable for Type 2



SIBR Matching and TSR Generation

- **At 9:00 am, SIBR:**
 - Matches released capacity across the intertie.
 - Defines Type 2 TSR pairs for each Trading Hour.
 - Notifies the relevant EDAM SCs and EDAM Entities—no further action is required from EDAM SCs.
 - Matched pairs will display in SIBR.
- **Revenue Eligibility:**
 - EDAM SCs are eligible to receive 50% of the transfer revenue (unless otherwise specified in the Master File).

SIBR: Create Bid – TSR Type 2, TSR Type 3, TSR Type 4

Create bid

Date: 06/16/2025
Type: Inter-Tie
Product type: [2] item(s)
Coordinator: [dropdown]
Resource: 4_000000

Search: %

Available

- Reliability Cap Down
- Reliability Cap Up
- Self Schedule - Base
- Self Schedule - ETC
- Self Schedule - LPT
- Self Schedule - OATT1
- Self Schedule - OATT2
- Self Schedule - Standard
- Self Schedule - TOR
- Transfer Capacity Limit

Selected: 7 item(s) (Max: 20)

- Energy
- Self Schedule - Standard
- Self Schedule - ETC
- Self Schedule - TOR
- Self Schedule - OATT1
- Self Schedule - OATT2
- Transfer Capacity Limit

OK Cancel

Release transfer capacity
(TSR Type 2/ TSR Type 3/TSR Type 4)

TSR TYPE 3

TSR Type 3: RSE-Eligible Transfer Capacity

TSR Type 3 represents resource-specific capacity used to support BA load, eligible for Resource Sufficiency Evaluation(RSE). [Source = Resource, Sink = Load]

Registration

- ✓ EDAM Entity on each side of transfer has registered TSR for itself in Master File.

Usage

- Transfer revenue goes to EDAM Entity.
 - Entity may sub-allocate revenue based on its Open Access Transmission Tariff (OATT).

Notes regarding usage

- EDAM Entity may self-provide ancillary services (AS) which transfers AS obligation from one BA to another.
- EDAM Entity may release transfer capacity on the TSR.
- Self-provided ancillary services and released transfer capacities must be equal across the transfer.

Using TSR Type 3: RSE-Eligible Transfer Capacity

Bid Requirements:

- Each Type 3 TSR bid must specify a Capacity Limit that does not exceed the TSR's Maximum Capacity.

Bids may also include ancillary services self-provision for:

- Regulation Up (RU)
- Regulation Down (RD)
- Spinning Reserve (SR)
- Non-Spinning Reserve (NR)

Total ancillary services capacity must not exceed the specified Capacity Limit.

Non RSE-Eligible Transfer Capacity

TRANSFER SYSTEM RESOURCES: TYPE 4

TSR Type 4: Non RSE-Eligible Transfer Capacity

Type 4 TSRs are released by EDAM Entities, and this capacity is not RSE-eligible.

Registration

- ✓ EDAM Entity on each side of transfer has registered TSR for itself in Master File.

Usage

- TSR Type 4 capacity is released to EDAM for optimal scheduling.
- Transfer revenue goes to EDAM Entity.
 - Entity may sub-allocate revenue based on its Open Access Transmission Tariff (OATT).

Notes regarding usage

- The EDAM Entity may release transfer capacity on the respective TSR.
- The released transfer capacities must be equal across the transfer.

Type 4 TSR Non RSE-Eligible Transfer Capacity Bids and Validation

Capacity Limit Rules

Type 4 TSR bids must include a Capacity Limit that does not exceed the TSR's Maximum Capacity.

SIBR Adjustments

- If the EDAM Entity derates the TSR Maximum Capacity before 9:00 am, SIBR will automatically adjust the Capacity Limit accordingly.
- SIBR may also reduce the Capacity Limit to align with a lower Capacity Limit submitted for the matching TSR.



Scheduling and Optimization

- The transfer capacity under the adjusted Capacity Limit is released to EDAM.
- EDAM uses this capacity for optimal scheduling in the Integrated Forward Market (IFM) and Residual Unit Commitment (RUC).

SIBR: Create Bid – TSR Type 2, TSR Type 3, TSR Type 4

Create bid

Date: 06/16/2025
Type: Inter-Tie
Product type: [2] item(s)
Coordinator: [v]
Resource: 4_000000 [v]

Search: %

Available

- Reliability Cap Down
- Reliability Cap Up
- Self Schedule - Base
- Self Schedule - ETC
- Self Schedule - LPT
- Self Schedule - OATT1
- Self Schedule - OATT2
- Self Schedule - Standard
- Self Schedule - TOR
- Transfer Capacity Limit

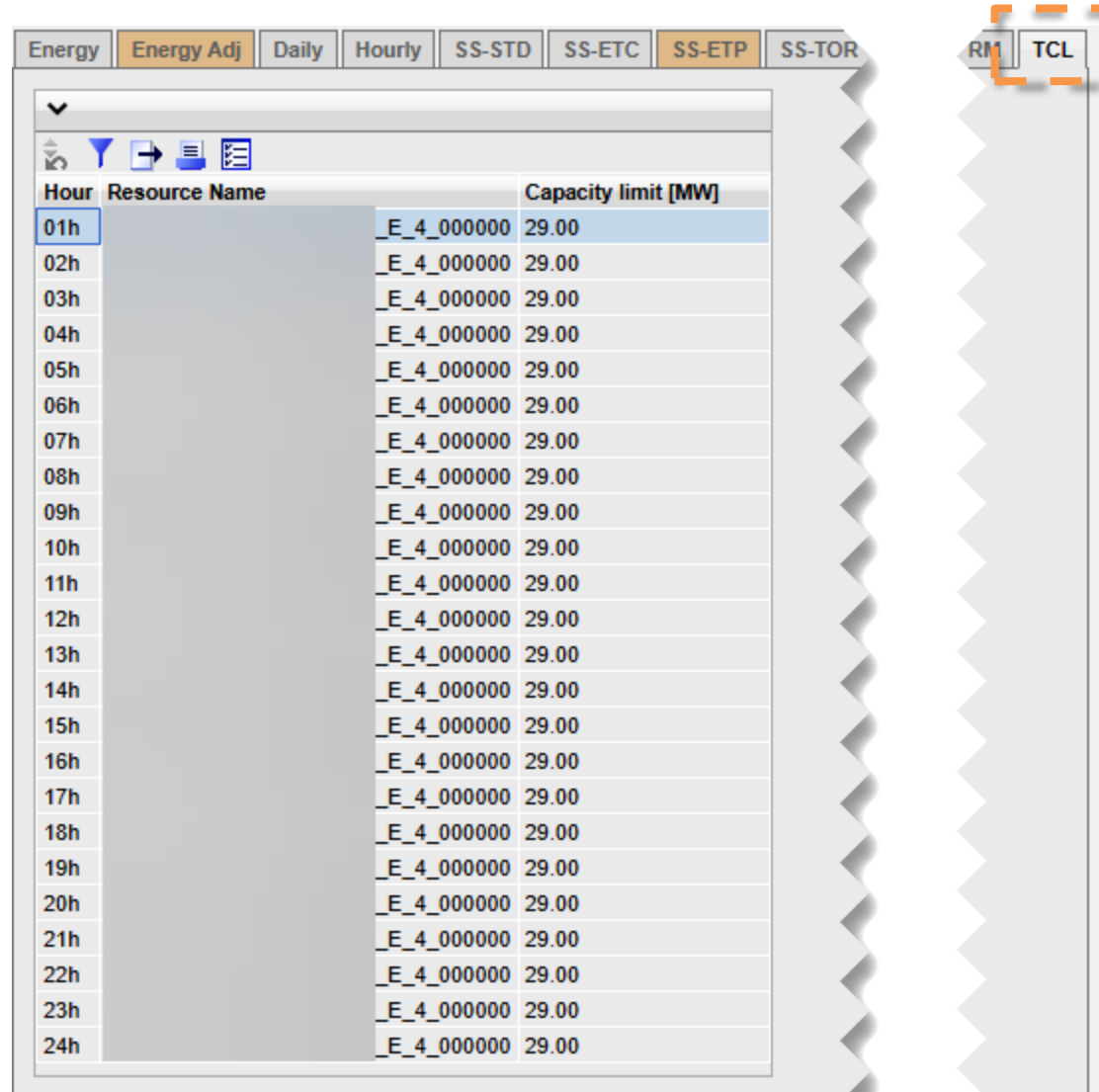
Selected: 7 item(s) (Max: 20)

- Energy
- Self Schedule - Standard
- Self Schedule - ETC
- Self Schedule - TOR
- Self Schedule - OATT1
- Self Schedule - OATT2
- Transfer Capacity Limit

OK Cancel

Release transfer capacity
(TSR Type 2/ TSR Type 3/TSR Type 4)

TSR Transfer Capacity Limit



Hour	Resource Name	Capacity limit [MW]
01h	_E_4_000000	29.00
02h	_E_4_000000	29.00
03h	_E_4_000000	29.00
04h	_E_4_000000	29.00
05h	_E_4_000000	29.00
06h	_E_4_000000	29.00
07h	_E_4_000000	29.00
08h	_E_4_000000	29.00
09h	_E_4_000000	29.00
10h	_E_4_000000	29.00
11h	_E_4_000000	29.00
12h	_E_4_000000	29.00
13h	_E_4_000000	29.00
14h	_E_4_000000	29.00
15h	_E_4_000000	29.00
16h	_E_4_000000	29.00
17h	_E_4_000000	29.00
18h	_E_4_000000	29.00
19h	_E_4_000000	29.00
20h	_E_4_000000	29.00
21h	_E_4_000000	29.00
22h	_E_4_000000	29.00
23h	_E_4_000000	29.00
24h	_E_4_000000	29.00

Actions:

- Click on the TSR shown on the **Bid summary** screen (not visible in this image)
- Scroll down to the **TCL** tab along bottom of screen which shows the **Transfer Capacity Limit**
- indicate the amount of capacity being released on this TSR for each hour
- (TSR Type 2/TSR Type 3/TSR Type 4)

Review of Extended Day-Ahead Market Processes

SIBR publishes valid TSR bids in the Clean Bids at 10:00 am. These bids will be used to schedule TSRs in the **Integrated Forward Market** and **Residual Unit Commitment**.

