

Day-Ahead Demand Reduction Program Bidding Instructions

For 2001, only Load Serving Entities (LSEs) can bid Demand Side Resources within the Day-Ahead Demand Reduction Program (DADRP).

If you are an LSE currently registered as a Customer with the NYISO, please complete the LSE Registration Form (Tech Bulletin #2). In addition, fill in one Demand Side Resource Registration Form for each Demand Reduction Provider you will be sponsoring in the program.

If you are not a current customer of the NYISO you must first become a customer of the NYISO before you can participate in this program.

Bidding Instructions:

When bidding as a DADRP provider the LSE must place two separate bids into the MIS System. The first bid is its normal load bid that it would submit regardless of the LSE being a DADRP provider or not. In addition, to its normal load bid the same LSE must also submit a generator bid for the amount that the LSE is willing to curtail. This second bid will be modeled as a Pseudo generator in the MIS system to look just like a normal generator bid. The following bidding instructions follow the payment examples in Technical Bulletin #7, and will demonstrate different ways to input your bidding information into the MIS system.

Load Bidding Portion

Using Example #1 in the performance and payment Tech Bulletin to demonstrate how an LSE would bid in their Load into the MIS system. In the example a 10 MW load bids in 10 MW of fixed load and bids to curtail 3 MW of load at a price cap of \$100/Mwh plus \$2,000 for "Curtailment Initiation Costs" for a continuous time strip of 6 hours. When the LSE goes into the MIS system to input its load bid it would do so like the Curtailment portion does not exist. In this example the LSE would put in a fixed load bid of 10 MW

By bidding in 10 MW as fixed load the LSE purchase 10 MW of load from the Day-Ahead market at the Day-Ahead zonal LBMP price. (See example below)

pgNewUpdateLoadBid[1].lst - Microsoft Word

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Load Bid

Load Name: KY2 Company Date: 04/20/10 (mm/dd/yyyy)

JBPU-NYPA NM WEST Interruptible Type: None Selected

| Time | Forecast | Fixed Bid | Price Cap #1 | | Price Cap #2 | | Price Cap #3 | | Interrupt Price Cap | | Interrupt Fixed | | Bid Status |
|-------|----------|-----------|--------------|-------|--------------|-------|--------------|-------|---------------------|-------|-----------------|--|-------------------|
| | MW | MW | \$/MW | \$/MW | \$/MW | \$/MW | \$/MW | \$/MW | \$/MW | \$/MW | \$/MW | | |
| 00:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 01:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 02:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 03:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 04:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 05:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 06:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 07:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| 08:00 | 10 | 10 | | | | | | | | | | | VALIDATION PASSED |
| | | | | | | | | | | | | | VALIDATION PASSED |

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Generator Bid Portion:

Once the LSE has bid its load into the MIS system the LSE must also enter a generator bid for the amount of curtailable load being offered. First the LSE must enter data into the Generator Commitment Parameters screen

Generator Commitment Parameter Screen:

The LSE will enter the Psuedo generators Minimum Run Time and startup costs. In this example the units Minimum Run Time is 6 hrs. We will assume for this example that the units Minimum Down Time, Maximum Stops per day, and Startup Notification Time are all equal to 1. Please refer to the NYISO Market Participant User's Guide if you have any questions regarding the information above. The only other piece of data that is needed in this screen is the generators startup cost. In this example the startup cost or "curtailment initiation cost" is \$2,000. This amount is entered into the startup cost curve as the first and only point on the curve. The user must leave the hours off line box empty and well as the Startup Notification Time Curve. (See example below)

pgGenBidBodyUCD[2] - Microsoft Word

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Select Generator: XYZ Company DISPLAY

Before submitting changes, you need to display the unit, even if parameters do not exist yet.

Current Generator: ADK HOOSICK FALLS

Last Changed By: ISO_SPD2 Last Changed Date: 07/27/1999 21:11:21

| | |
|----------------------------------|---|
| Minimum Run Time (hrs) | 6 |
| Minimum Down Time (hrs) | 1 |
| Maximum Stops per Day | 1 |
| Start up Notification Time (hrs) | 1 |

| Startup Cost Curve | | | | | | |
|----------------------|------|--|--|--|--|--|
| Hours Off-Line (hrs) | | | | | | |
| Startup Cost (\$) | 2000 | | | | | |

| Startup Notification Time Curve | | | | | | |
|---------------------------------|--|--|--|--|--|--|
| Hours to Start | | | | | | |
| Hours Off Line | | | | | | |

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Generator Bid Screen:

Second the LSE must enter the specific generator bid data into the MIS system. The LSE can structure its bid in a couple of different ways.

Example 1:

The first way a user can structure his or her bid is as follows: The first piece of data that is needed is the Upper Operating Limit (UOL) of the Psuedo generator. In this example the UOL is 3 MW, which is the maximum amount of curtailable load being offered. Next the User must enter the units Minimum Generation (MW) and Minimum Generation Cost (\$). In this case the Minimum Generation is 3 MW and the Minimum Generation Cost is \$300. The last piece of data that is needed is the units bid curve. For this example the units bid curve is left blank, because if the unit's minimum limit and upper limit are the same value the unit is considered a fixed unit and cannot submit a bid curve. DADRP providers are not allowed to bid in the Ancillary Service Market. Also remember that we entered the units startup cost in the previous screen so make sure the box for zero start up cost is not checked. (See example below)

pgNewUpdateGeneratorBid[1] - Microsoft Word

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Generator Bid

Generator Name: XYZ Company

| | | | |
|--|---------------------------|----------------------|---|
| Bid Date 04/30/2001 04:00 (mm/dd/yyyy hh:mi) | Num of Hours 24 | Market DAM | Expiration (DAM Only) 04/29/2001 11:00 (mm/dd/yyyy hh:mi) |
|--|---------------------------|----------------------|---|

Energy Bid

| | | |
|--|-------------------------------------|--|
| Upper Operating Limit (MW) 3 | Minimum Generation (MW) 3 | Minimum Generation Cost (\$) 300 |
|--|-------------------------------------|--|

| | | |
|---|---|---|
| Bid-Curve Format <input checked="" type="radio"/> Block Bid (3 Pairs Max) <input type="radio"/> Energy Cost Curve (6 Pairs Max) | Unit Operations <input checked="" type="radio"/> On-Dispatch <input type="radio"/> Off-Dispatch | <input type="checkbox"/> Zero Start-Up Cost |
|---|---|---|

Bid Curve

| | | | | | | |
|----------------|--|--|--|--|--|--|
| MW (Basepoint) | | | | | | |
| \$/MW | | | | | | |

Ancillary Services

| | | |
|-----------------------------|-----------------------|--------------|
| Item | MW_s | \$/MW |
| 10 Minute Spinning Reserves | | |

Example 2:

The second way a user can structure his or her bid is as follows: The Upper Operating Limit can remain the same as the previous example 3 MW. The Minimum Generation (MW) in this example would be \$0 and the Minimum generation Cost (\$) would be \$0 as well. In the Bid Curve section the LSE will enter as a one-point block 3 MW for *MW (Basepoint)* and \$100 for *\$/MW*. Again no DADRP provider can bid into the Ancillary Service Market, and remember that the zero startup cost box should not be checked. (See example below)

pgNewUpdateGeneratorBid[1] - Microsoft Word

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Generator Bid

Generator Name: XYZ Company

| | | | |
|--|--------------------|---------------|---|
| Bid Date 04/26/2001 04:01 (mm/dd/yyyy hh:mm) | Num of Hours 24 | Market DAM | Expiration (DAM Only) 04/29/2001 11:01 (mm/dd/yyyy hh:mm) |
|--|--------------------|---------------|---|

Energy Bid

| | | |
|---------------------------------|------------------------------|-----------------------------------|
| Upper Operating Limit (MW) 3 | Minimum Generation (MW) 0 | Minimum Generation Cost (\$) 0 |
|---------------------------------|------------------------------|-----------------------------------|

Bid-Curve Format: ☒ Block Bid (3 Pairs Max) ☐ Energy Cost Curve (6 Pairs Max)

Unit Operations: ☒ On-Dispatch ☐ Off-Dispatch ☐ Zero Start-Up Cost

Bid Curve

| | | | | | | |
|---------------|-----|--|--|--|--|--|
| MW (Baseline) | 3 | | | | | |
| \$/MWh | 100 | | | | | |

Ancillary Services

| Item | MW _z | \$/MW |
|-----------------------------|-----------------|-------|
| 10 Minute Spinning Reserves | | |