

AEP Ohio Competitive Bidding Process March 2017 Auction

**Bidder Webcast
Wednesday, February 15, 2017**

**Benjamin Chee, NERA
Chantale LaCasse, NERA**

Disclaimer

Any statements herein describing or referring to documents and agreements are summaries only, and are ***qualified in their entirety*** by reference to such governing documents

- These governing documents include:
 - PUCO decisions in Case No. 13-2385-EL-SSO related to AEP Ohio's third Electric Security Plan (“ESP III”)
 - Bidding Rules for the Auctions Under the Competitive Bidding Process of Ohio Power Company (“CBP Rules”)
 - Master Standard Service Offer (“SSO”) Supply Agreement
 - Rules and Protocols for Participation by Associated Bidders
 - Part 1 Application
 - Part 2 Application

Please see the CBP website for complete documentation
<http://www.aepohiocbp.com/>

CBP Website is Central Source of Information

www.AEPOhioCBP.com

The screenshot shows the 'Register for an Application Account' page. On the left is a navigation menu with items: Home, Search, Background Information, Data Room, Calendar, **Contact Us** (highlighted), Register, Ask a Question, RSVP for an Information Session, Contact the Auction Manager, Register for an Application Account, and PIPP RFP. The main content area is titled 'Register for an Application Account' and contains the following text: 'Please complete the Expression of Interest to request an account for the application portion of the website. Application materials for AEP Ohio's CBP are submitted online through the application portion of this website.' Below this is a form with the following fields: Company *, Primary Contact First Name *, Primary Contact Last Name *, Primary Contact Phone *, Primary Contact Mobile, Primary Contact Email *, Secondary Contact First Name, Secondary Contact Last Name, Secondary Contact Phone, Secondary Contact Mobile, and Secondary Contact Email. At the bottom of the form is a CAPTCHA section with the text 'EXHAUST RENTALS' and a 'Type the text' input field. To the right of the input field are icons for a refresh button, a volume icon, and the RECAPTCHA logo. A 'Submit' button is located at the bottom left of the form area.

Contact Us / Register

- Sign up for email alerts

Contact Us / Ask A Question

- Allows bidders to ask questions
- All Q&As posted as FAQs

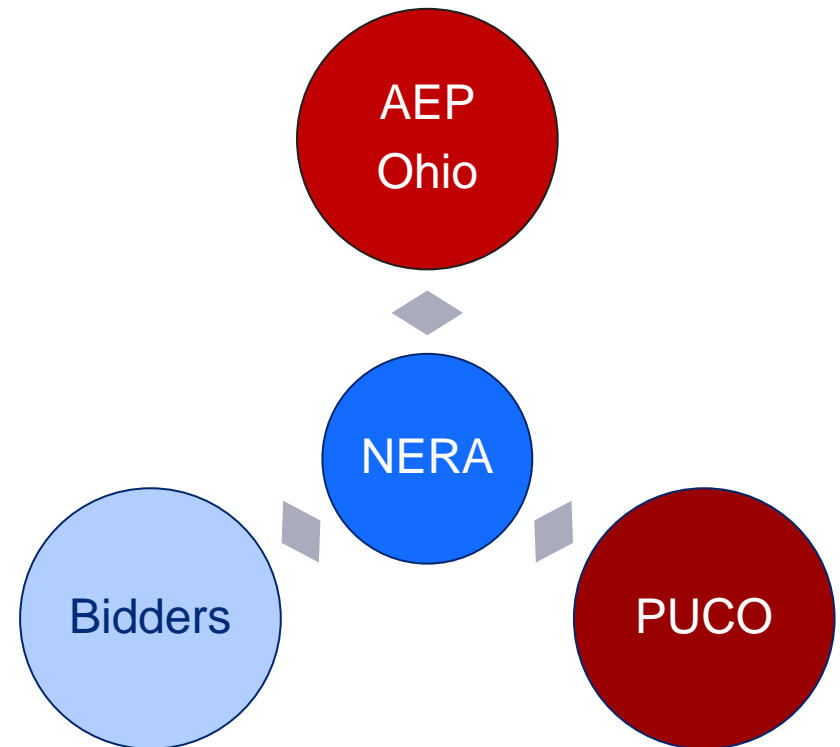
Get account for Application website

- Username and password for access to forms

This presentation as well as questions and answers will be posted to the CBP website

NERA's Role as Auction Manager

Role	Description
Communication	To be the main point of contact with bidders
CBP Rules	To ensure the CBP Rules, as approved by the PUCO, are followed
Qualifications	To ensure bidder qualifications are evaluated equitably and fairly
Auction	To administer the Auction
Results	To present results to PUCO

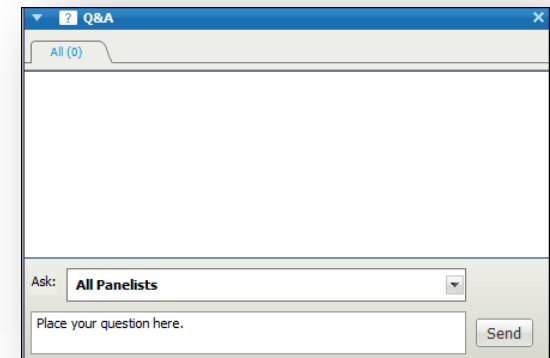


Agenda

1. Overview of this Auction
2. Product Design and Contract
3. Application Process
4. Bidding in the Auction
5. CBP Website

Ask a Question during the Webcast

- Questions will be taken in writing through the WebEx interface:
 - Locate the “Q&A” on the right hand side of your screen
 - Select “All Panelists” in the “Ask” box
 - Type in your question including the relevant slide number
 - Click “Send” to submit your question
- We will respond to questions as we go along as practicable and we will also pause to provide responses:
 - After Part 2 on “Product Design and Contract”
 - At the end of the presentation



Part 1 | Overview

Results of Last Auction Held November 7, 2016

Registered Bidders	12
Rounds in the Auction	13
Range of Starting Price	\$70/MWh - \$90/MWh
Delivery Period Start	June 1, 2017

Product	Tranche Target	Clearing Price (\$/MWh)
12-month	17	49.78

PUCO accepted results on November 9, 2016.

Product Description

Product	Load-following, slice-of-system, full requirements. Denominated in tranches
Tranche	a percentage of the load of SSO customers
SSO Customers	those customers who take retail generation service from AEP Ohio, excluding PIPP customers
Delivery Point	Pnode ID 1269364670
LSE Responsibility	is assumed by the SSO Supplier, including scheduling SSO Supply and making arrangements for delivery of SSO Supply

Supply Will Be Divided into Tranches

Auction Date
Tuesday, Mar. 28

Product Type	Delivery Period	Tranche Target	Load Cap	Tranche Size
12-month	June 2017- May 2018	17	13	1%

Auction Format is a Clock Auction

- Multiple tranches of a single term
- **Multiple rounds**
 - Each round, suppliers state how many tranches they want to supply at the going price announced by the Auction Manager
 - From one round to the next, auction continues and price ticks down if there is excess supply
- **No sealed bid round**: bidders provide exit prices as they withdraw tranches throughout the auction
- Auction establishes a **single clearing price**

Announcement:

Minimum and Maximum Starting Prices, MW-Measure

- The **minimum and maximum** starting prices are:

Max	\$95/MWh
Min	\$70/MWh

- **The PLC (MW)** is based on the five highest coincident peaks experienced by PJM in 2016 for SSO customers (i.e., non-shopping only)
- The MW-measure is provided for references purposes only

PLC (MW)	2,530
MW-measure*	25.30

- The MW-measure is the weighted average of: (1) MW-measure applicable to the first three auctions that include PIPP load; and (2) MW-measure in the last three auctions that provide supply for SSO customers only

Announcement: Seasonal Factors

Suppliers are paid the auction clearing price for each MWh of supply during the delivery term



ANNOUNCEMENT: Seasonal Factors
Summer (June to September): 1.00
Non-Summer (October to May): 1.00

Key Events

M	T	W	Th	F
Feb. 20	P1 Window Opens 21	22	23	24
27	28	Mar. 1	2	P1 Due 3
6	7	P1 Notification 8	P2 Window Opens 9	10
13	14	15	P2 Due 16	17
20	P2 Notification 21	Trial Auction 22	23	24
27	Auction Starts 28	29	30	31

By February 21: Bidders can access account for application website

Announcements:

February 15: Tranche targets, tranche size, MW-measure, and range of starting price

March 10: Update to seasonal factors and MW-measure

March 23: Round 1 price for Registered Bidders

Application Process is Online

Part 1 Application (Feb. 21 – Mar. 3)

- Provide contact and company information
- Upload Inserts
- Upload required supporting documents

Part 2 Application (Mar. 9 – Mar. 16)

- Provide information and indicative offer
- Upload Inserts
- Provide hardcopy of pre-bid letter of credit or wire cash
(**New!** pre-bid letter of credit form has been updated)

No hardcopy of application forms required!

Post-Auction: PUCO Approval and Power Flow

- Auction results are contingent on final PUCO approval
- Auction Manager submits a **confidential report** on auction results to PUCO on the day the auction closes
- PUCO will issue a decision **within two days of auction close**
 - If PUCO does not act within this window, auction results are deemed accepted
- PUCO may publicly release the auction clearing price and the names of the winning bidders from the auction
- Master SSO Supply Agreement fully executed and winning bidders fulfill creditworthiness requirements **within three days** of the Commission's acceptance of results

Part 2 | Product Design and Contract

Full Requirements

- SSO Suppliers:
 - **Will assume all responsibilities of an LSE**
 - Are responsible for providing full requirements service to SSO customers of AEP Ohio, excluding PIPP customers, and to bear all costs that are associated with this responsibility
- Full requirements service and the LSE obligations of SSO Suppliers are defined in the Master SSO Supply Agreement

**Attachment F of the Master SSO Supply Agreement:
Sample PJM Invoice**

Supplier Obligations

Suppliers
provide

- energy, capacity, ancillary services, certain transmission services, as well as any other service as may be required by PJM

AEP Ohio
provides

- Firm Transmission Service from the Delivery Point
- other FERC-approved non-market-based charges
- renewable resource requirement

What are SSO Customers?

- **SSO customers take retail generation service from AEP Ohio**
 - SSO customers have NOT switched to a Competitive Retail Electric Service (“CRES”) Supplier

Includes

- Residential Customers
 - Commercial / Industrial Customers
 - Lighting Customers
 - Special Contract Customers
- Excludes PIPP customers

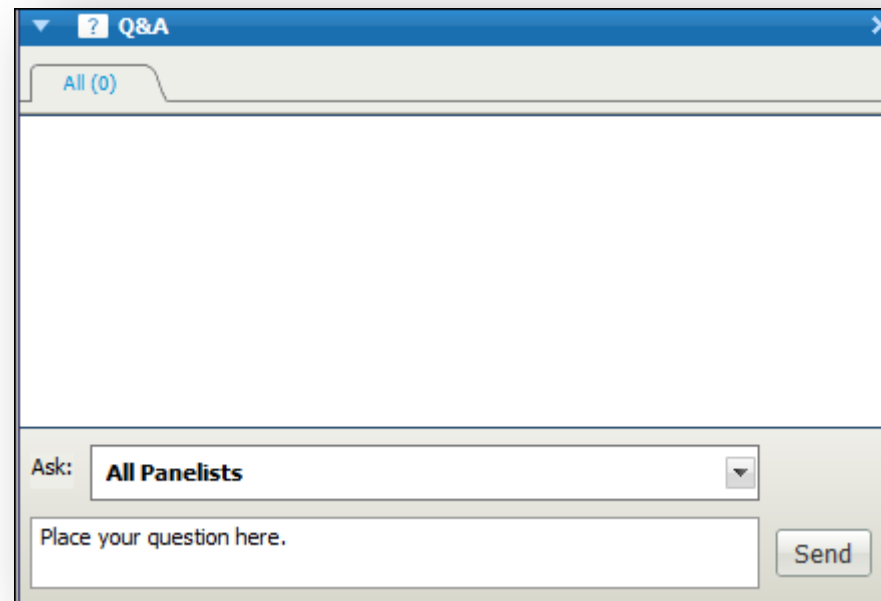
Credit Requirements under the Master SSO Supply Agreement

Two Credit Requirements and Two Unsecured Credit Lines:

- **Independent Credit Requirement (ICR)** and the **Independent Credit Threshold (ICT)**
 - Amount required per tranche; declines throughout the term of the Master SSO Supply Agreement
 - **Mark-to-Market (MTM)** and **Credit Limit**
 - Differences between the prevailing market prices on a valuation date and the market prices in effect on the date the auction is completed
- Credit Limit and Independent Credit Threshold will depend upon a credit evaluation
- Form of Guaranty and Form of Performance Assurance Letter of Credit provided as attachments to the Master SSO Supply Agreement

Questions?

- To submit questions to the presenters, **please locate the “Q&A” on the right hand side of your screen**, and select “All Panelists” in the “Send to” box; type in your question and click “Send” to submit your question



The image shows a screenshot of a web-based Q&A submission interface. The window title is "Q&A". At the top, there is a tab labeled "All (0)". Below the tab is a large empty text area for questions. At the bottom, there is a section labeled "Ask:" with a dropdown menu currently set to "All Panelists". Below the dropdown is a text input field with the placeholder text "Place your question here." and a "Send" button to its right.

Part 3 | Application Process

Register for your Online Application Account Only for NEW bidders

www.AEPOhioCBP.com

Home
Search
Background
Information
Data Room
Calendar
Contact Us
Register
Ask a Question
RSVP for an Information Session
Contact the Auction Manager
Register for an Application Account
PIPP RFP

Register for an Application Account

Please complete the Expression of Interest to request an account for the application portion of the website. Application materials for AEP Ohio's CBP are submitted online through the application portion of this website.

Company *:

Primary Contact First Name *:

Primary Contact Last Name *:

Primary Contact Phone *:

Primary Contact Mobile :

Primary Contact Email *:

Secondary Contact First Name :

Secondary Contact Last Name :

Secondary Contact Phone :

Secondary Contact Mobile :

Secondary Contact Email :

**Contact Us / Register for
an Application Account**

**Alternatively, email
AEP-CBP@nera.com with:**

- Company name
- full name of contact
- phone and alternate number
- email address

**Returning bidders will receive reminder of
login credentials by email from the
Auction Manager**

Application Process Features and Reminders

- Application process for returning bidders is **streamlined**
 - Reminder of login credentials will be sent to returning bidders
 - Part 1 Form **pre-populated** with previously submitted contact information and PJM information
 - All bidders (including returning bidders) must provide financial information and make certifications
- **Inserts**. Bidders download, prepare, sign, and upload their own “Inserts” with their applications
- **Acceptable modifications of credit documents** will be posted on the CBP website

List of Inserts and to whom they apply

#	Insert	Applies to
P1-1	Representative Designation Insert (retained for returning bidders)	REQUIRED of all Bidders
P1-2	Representative Responsibilities Insert (retained for returning bidders)	REQUIRED of all Bidders
P1-3	Designation of Nominees Insert	OPTIONAL
P1-4	Legal Representative Insert (retained for returning bidders)	REQUIRED of all Bidders
P1-5	PJM Requirements Insert	Special Circumstances: Bidders that are not PJM LSEs
P1-6	Certifications Insert	REQUIRED of all Bidders
P1-7	Foreign Applicant Certification Insert	Special Circumstances: Bidders that are Foreign Applicants
P1-8	Foreign Guarantor Certification Insert	Special Circumstances: Bidders with Foreign Guarantors
P1-9	Bidding Agreement Insert	Special Circumstances: Bidders in Bidding Agreements

Up-Front Requirements for Part 1 Are Simple

1. Applicant's Contact Information

- Representative: Represents the Applicant in the auction
- Legal Representative in Ohio: Agrees to accept service of process
- Nominees (optional): to be included in electronic communications from the Auction Manager to the bidder along with Representative

2. PJM requirements

- Qualified as a "Market Buyer" and "Market Seller"
- Qualified as a "Load Serving Entity"

**Notifications sent to Representative
and Nominees by email**

Certifications, Financial Information, and Documents

3. Certifications

- Agree to terms of Master SSO Supply Agreement
- Agree to CBP Rules
- Keep information related to the auction confidential

4. Financial Information

- Annual and quarterly financial statements
- Credit ratings
- Additional information for foreign applicants or guarantor
- Submit via upload to application website

5. Request for modifications to pre-bid credit instruments (optional)

- Submit redline via upload to application website
- Any modification accepted for one bidder will be made available to all bidders on an optional basis

**New and Returning Bidders
Provide This Information and Documents**

Part 2 Application: To Be Registered as a Bidder

1. Submit an indicative offer
2. Submit pre-bid security
3. Make certifications including compliance with Rules related to Associations and Handling of Confidential Information
4. Provide additional certifications

**Requirements for new and returning bidders are the same
In the Part 2 Application**

Indicative Offer

1. **Submit an indicative offer** - the maximum number of tranches that the bidder is willing to bid
 - At the minimum starting price and at the maximum starting price

Credit-Based Tranche Cap

Minimum Starting Price	Indicative Offer
\$ <input style="width: 80px;" type="text" value="70"/> /MWh	<input style="width: 80px;" type="text"/> Tranches
Maximum Starting Price	Indicative Offer
\$ <input style="width: 80px;" type="text" value="95"/> /MWh	<input style="width: 80px;" type="text"/> Tranches

- The indicative offer at the maximum starting price **determines**:
 - The maximum number of tranches that the bidder can bid in the auction (the initial eligibility)
 - The amount of pre-bid security required with the Part 2 Application

Bidders are Subject to Load Caps

- A bidder cannot bid or win more than **80% of the tranches available** at the start of the auction
- Credit-based tranche caps are determined by credit ratings and is an overall cap in effect **across all auctions under the CBP**

Credit Rating for Bidder or Guarantor			
S&P	Moody's	Fitch	Credit Based Tranche Cap
BB and above	Ba2 and above	BB and above	No cap
BB-	Ba3	BB-	10
Below BB-	Below Ba3	Below BB-	5
Not rated			5

Additional Part 2 Requirements

2. Submit pre-bid security

- Each Qualified Bidder must submit a letter of credit or cash in an amount of **\$500,000** per tranche of its indicative offer at the maximum starting price
- **No additional pre-bid security** is required

3. Certify compliance with Associations and Confidential Information Rules (see Article X of CBP Rules)

- Certify that applicant is not “associated with” another Qualified Bidder to promote competitiveness of the auction
- Keep information related to the auction confidential

4. Provide Additional Certifications

- Agree that bids in auction will be a binding obligation
- Agree not to assign rights as Registered Bidder

List of Inserts and to whom they apply

#	Insert	Applies to
P2-1	Cash Certification Insert	Special Circumstances: Bidders that submit cash as pre-bid security
P2-2	Certifications Insert	REQUIRED of all Bidders

Part 4 | Bidding in the Auction

Rounds Have Three Phases

Bidding Phase

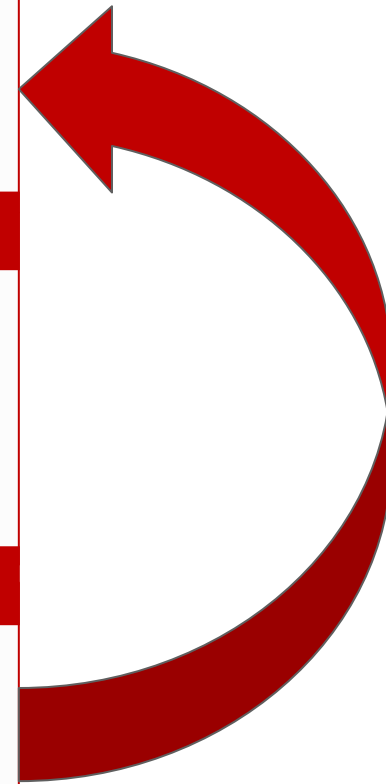
- Suppliers state how many tranches they want to supply at going price in round
- Auction Manager informs Registered Bidders of Round 1 price three days before auction

Calculating Phase

- Auction Manager tabulates the results of that round's bidding phase and calculates the price for the next round

Reporting Phase

- Information provided to bidders:
 - Excess supply range; and
 - Going price for next round



Bid in Round 1

- A bid in round 1 is a number of tranches that the bidder is willing to supply at the round 1 price
- **Bidder cannot bid more than its initial eligibility** determined by the indicative offer at the maximum starting price
- Bidder will not be able to increase the number of tranches bid throughout the auction

Possible Reduction of Tranche Target

- If there is insufficient supply to ensure competitive bidding, **the Auction Manager has the discretion to reduce the tranche target**
- The criteria that could lead to such a reduction will be determined prior to the auction, but will not be announced to bidders
- Once certain pre-specified criteria have been met, the discretion to reduce the tranche target will be eliminated

Sample Reports

Bidder sees:

- Range of excess supply
 - Range provided includes actual excess supply
- The next round price
- The result of the bidder's own bid

Report: Round 1	
Excess Supply	51-55
Round 2 price (\$/MWh)	67.75

Bidder has no information about others' bids, identities or eligibilities

Information in Bidder User Manual

- Decrement is related to amount of excess supply left in the auction
 - Formula or table for determination of decrement provided to bidders
 - Auction Manager has discretion to override decrement
- Possible ranges of excess supply provided in Bidder User Manual
- Bidder User Manual provided to Registered Bidders

Bidding in Round 2 and Subsequent Rounds

- In response to reduced prices, a bidder may:
 - Leave bid unchanged
 - Reduce the number of tranches the bidder is willing to supply by withdrawing tranches from the auction
- Bidder cannot bid more than its eligibility
 - In round 2, eligibility is the number of tranches bid in round 1
 - In round 3 and all subsequent rounds, eligibility in a round is the eligibility in the prior round less any tranches that were withdrawn from the auction

Withdrawing Tranches

- When reducing the number of tranches bid, a bidder must provide an **exit price**

Price Round 1 (\$/MWh)	70.00
Bid Round 1 (tranches)	3
Price Round 2 (\$/MWh)	65.75
Bid Round 2 (tranches)	2
Exit Price	67.37

- Exit price is a **last and best offer**
 - Above current going price
 - Below or equal to previous going price

How Does the Auction Continue and Close?

- Auction continues as long as there is excess supply:
 - When there are more tranches bid than there are available
- When the auction closes, a uniform price is determined that is the auction clearing price
- **Two cases** on how the auction clearing price is determined:
 - when the number of tranches bid is equal to the number of tranches available, the auction clearing price is the price of the final round
 - when there are fewer tranches bid than tranches available, the auction clearing price is lowest exit price at which all tranches available are filled

Auction Clearing Price Example

Round	Price \$/MWh	Bidder A	Bidder B	Bidder C	#Bid	Target	#Bid – Target
R11	39.42	7	8	4	19	17	2
R12	38.68	5	7	2	14	17	-3

Tranches withdrawn	2	1	2
Exit Prices	38.69	38.99	39.42

To fill the tranche target of 17 tranches:

1. take 14 tranches bid at going price
2. take 2 tranches at \$38.69
3. take 1 tranche at \$38.99

Retained Tranches	2	1	0
Auction Clearing Price		\$38.99	

Auction clearing price is \$38.99/MWh, the lowest price at which all tranches available are filled

Basics of the Bidding Methods

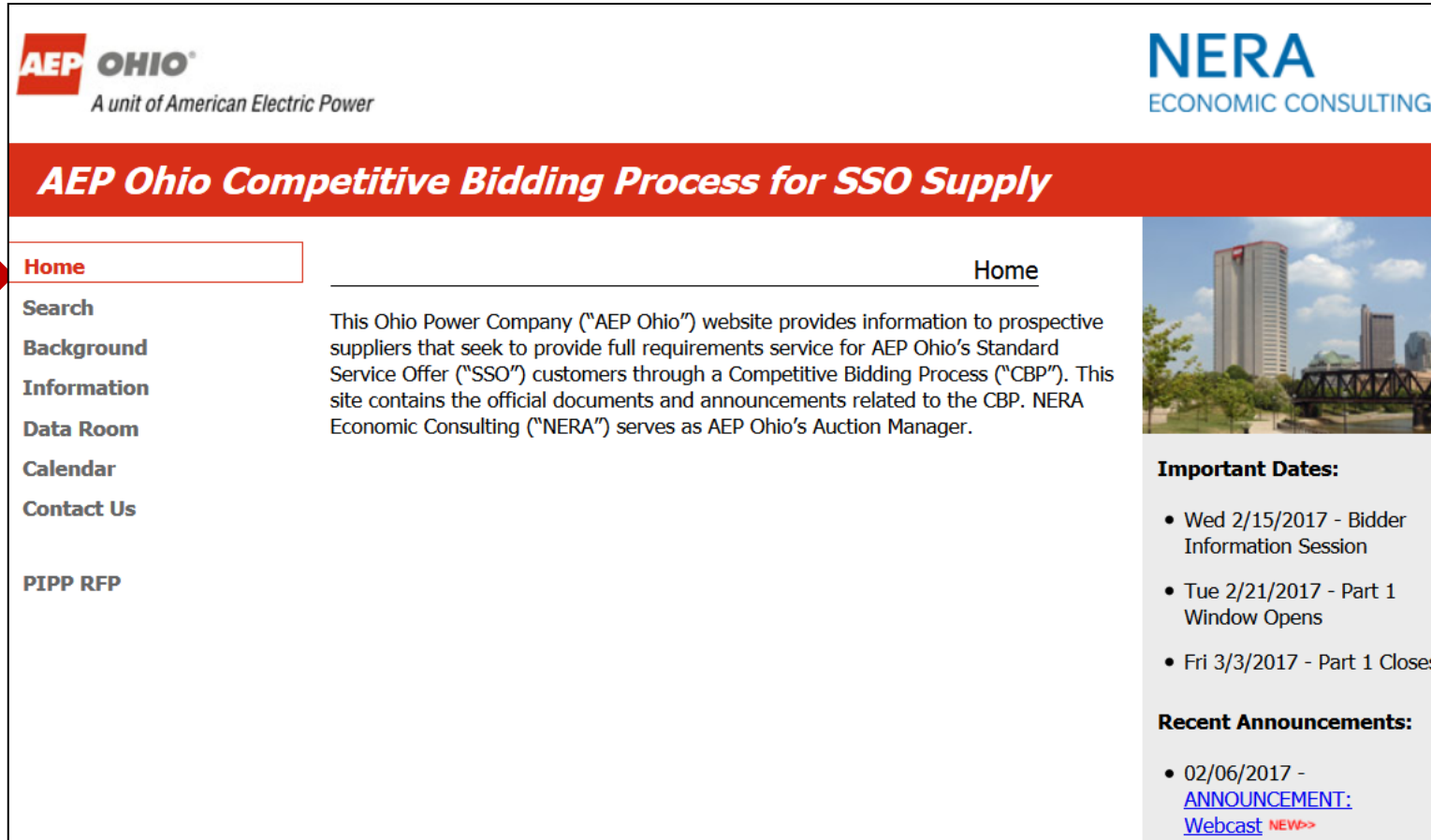
1. **Bidders submit bids online using the Auction Software.** The Trial Auction (Wednesday, March 22, 2017) is the bidders' opportunity to practice
2. The backup bid procedure is by phone
3. The last bid submitted and verified by the bidder in the bidding phase and processed by the Auction Software is the bid that counts. A backup bid counts when entered and verified by the Technical Assistant in the bidding phase and processed by the Auction Software, not when it is called in
4. **It is the bidder's responsibility to get a bid in on time.** It is the bidder's responsibility to ascertain the system needed to minimize the chance that technical difficulties will impair its ability to bid in the auction
5. If providing a backup bid, it is the bidder's responsibility to provide a complete bid consistent with the CBP Rules

System Requirements are Minimal

Standard PC	Windows 7 or later, or MacOS 10.7 or later
Internet Connection	Primary access through a company network Secondary Access through an alternative ISP
Supported Web Browser	Internet Explorer 9 or later, as well as the most recent versions of Mozilla Firefox, Apple Safari, or Google Chrome
Backup Systems	Consider having backup laptop and backup connection, Bidding teams in two geographical locations

Part 5 | CBP Website

Navigation



AEP OHIO
A unit of American Electric Power

NERA
ECONOMIC CONSULTING

AEP Ohio Competitive Bidding Process for SSO Supply

[Home](#) Home

Search

Background Information


Data Room

Calendar

Contact Us

PIPP RFP

This Ohio Power Company ("AEP Ohio") website provides information to prospective suppliers that seek to provide full requirements service for AEP Ohio's Standard Service Offer ("SSO") customers through a Competitive Bidding Process ("CBP"). This site contains the official documents and announcements related to the CBP. NERA Economic Consulting ("NERA") serves as AEP Ohio's Auction Manager.



Important Dates:

- Wed 2/15/2017 - Bidder Information Session
- Tue 2/21/2017 - Part 1 Window Opens
- Fri 3/3/2017 - Part 1 Closes

Recent Announcements:


- 02/06/2017 - [ANNOUNCEMENT: Webcast](#) NEW>>

Key Dates and Announcements


Information Tab

Document page includes:

- CBP Rules
- Master SSO Supply Agreement
- Qualification Information
- Credit Instruments
- Communications Protocols
- Associated Bidder Rules
- Glossary of key terms



AEP OHIO
A unit of American Electric Power



AEP Ohio Competitive Bidding Process for SSO Supply

[Home](#)

[Search](#)

[Background](#)

[Information](#)

[Documents](#)

[FAQs](#)

[Announcements](#)

[Data Room](#)












[Calendar](#)


[Contact Us](#)

[PIPP RFP](#)

Documents

A list of all current documents is posted below. For reference, documents for the previous auctions are posted to the [Document Archives](#) page.

- **Auction Documents - March 2017**
 - CBP Rules (February 3, 2017) 
 - Part 1 Application (February 3, 2017) 
 - Part 2 Application (February 3, 2017) 
 - Rules and Protocols for Participation by Associated Bidders (February 3, 2017) 
 - Communications Protocols (February 3, 2017) 
 - Glossary (February 3, 2017) 
- **Master SSO Supply Agreement Documents - March 2017**
 - AEP Ohio Master SSO Supply Agreement (February 3, 2017) 
 - Attachment D Form of Guaranty (February 3, 2017) 
 - Attachment E Form of SSO Supplier Letter of Credit (February 3, 2017) 
 - Sample Legal Opinion of Foreign Guarantor's Counsel (February 3, 2017) 
- **Guaranty Process - March 2017**
 - Alternate Guaranty Process (December 21, 2016) 



Important Dates:

- Wed 2/15/2017 - Bidder Information Session
- Tue 2/21/2017 - Part 1 Window Opens
- Fri 3/3/2017 - Part 1 Closes

Recent Announcements:

- 02/06/2017 - [ANNOUNCEMENT: Webcast](#) NEW!>>
- 02/03/2017 - [ANNOUNCEMENT: March 2017 Auction Documents posted to CBP Website](#)
- 12/21/2016 - [POSTING: Calendar for Upcoming AEP Ohio Auction](#)

Data Room

AEP Ohio provides:

- Hourly energy
 - CSP Rate Zone and OPCo Rate Zone
 - SSO and CRES
 - Customer groups & aggregate
- Customer counts
 - CSP Rate Zone and OPCo Rate Zone
 - SSO and CRES
 - Customer groups & aggregate
- PLC and NSPL Data
- Monthly Switching Statistics
- Historical Unaccounted for Energy
- Updated on the 20th of each month

AEP OHIO
A unit of American Electric Power

NERA ECONOMIC CONSULTING

AEP Ohio Competitive Bidding Process for SSO Supply

Home | Search | Background Information | **Data Room** | Calendar | Contact Us | PIPP RFP

Welcome to the AEP Ohio CBP Monthly Data Room.

Data Description 09/23/2016

PLC - NSPL Data
This data is typically updated monthly on or before the 20th of each month.

Description	File	Data Range
NSPL	[Download]	1/1/2013 - 9/30/2016
PLC	[Download]	1/1/2013 - 9/30/2016
PIPP (NSPL and PLC)	[Download]	1/1/2013 - 9/30/2016

Hourly Energy
This data is typically updated monthly on or before the 20th of each month.

Zone	Group	SSO	CRES	Data Range
CSP	Aggregate	[Download]	[Download]	6/1/2010 - 9/30/2016
	Residential	[Download]	[Download]	6/1/2010 - 9/30/2016
	SCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	LCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	PIPP	[Download]	[Download]	1/1/2013 - 9/30/2016
OPCo	Aggregate	[Download]	[Download]	6/1/2010 - 9/30/2016
	Residential	[Download]	[Download]	6/1/2010 - 9/30/2016
	SCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	LCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	PIPP	[Download]	[Download]	1/1/2013 - 9/30/2016

Customer Counts
This data is typically updated monthly on or before the 20th of each month.

Zone	Group	SSO	CRES	Data Range
CSP	Aggregate	[Download]	[Download]	6/1/2010 - 9/30/2016
	Residential	[Download]	[Download]	6/1/2010 - 9/30/2016
	SCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	LCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	PIPP	[Download]	[Download]	1/1/2013 - 9/30/2016
OPCo	Aggregate	[Download]	[Download]	6/1/2010 - 9/30/2016
	Residential	[Download]	[Download]	6/1/2010 - 9/30/2016
	SCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	LCB1	[Download]	[Download]	6/1/2010 - 9/30/2016
	PIPP	[Download]	[Download]	1/1/2013 - 9/30/2016

Monthly Switching Statistics
This data is typically updated monthly on or before the 20th of each month.

File	Data Range
[Download]	1/1/2013 - 9/30/2016

Additional Data
This data is updated occasionally.

Description	File	Data Range
Unaccounted for Energy	[Download]	1/1/2013 - 9/30/2016
AEP Ohio Government Aggregation	[Download]	10/1/2014 - 9/30/2016

Mark to Market Calculation
This data is updated occasionally. These documents provide the Price Adjustment Factors and estimated Initial Tranche Volumes required to perform the mark-to-market ("MtM") calculation in support of the credit requirements for the Master Standard Service Offer ("SSO") Supply Agreement for AEP Ohio's CBP auctions. The calculations are described in Attachment C-2 to the Master SSO Supply Agreement.

Description	File	Data Updated
Attachment C-2 Data Inputs (October 14, 2016)	[Download]	10/14/2016

Ask a Question through the CBP Website

- Contact Us / Ask a Question
 - Bidder questions answered via email typically within 2 business days
 - Responses and questions are posted as FAQs on CBP website
- You may also contact us via email at AEP-CBP@nera.com

The screenshot shows the 'Ask a Question' form on the CBP website. On the left is a navigation menu with the following items: Home, Search, Background Information, Data Room, Calendar, **Contact Us** (highlighted with a red box), Register, Ask a Question (with a mouse cursor), RSVP for an Information Session, Contact the Auction Manager, Register for an Application Account, and PIPP RFP. The main form area is titled 'Ask a Question' and contains the following fields: 'Name *:' with a text input box, 'Company *:' with a text input box, 'Email Address *:' with a text input box, and 'Question/Comment *:' with a large text area. Below these fields is a CAPTCHA image showing the words 'MOTEL' and 'NICKENS' on a sign. Under the CAPTCHA is a text input box with the placeholder 'Type the text', a 'Privacy & Terms' link, and a 'Submit' button.

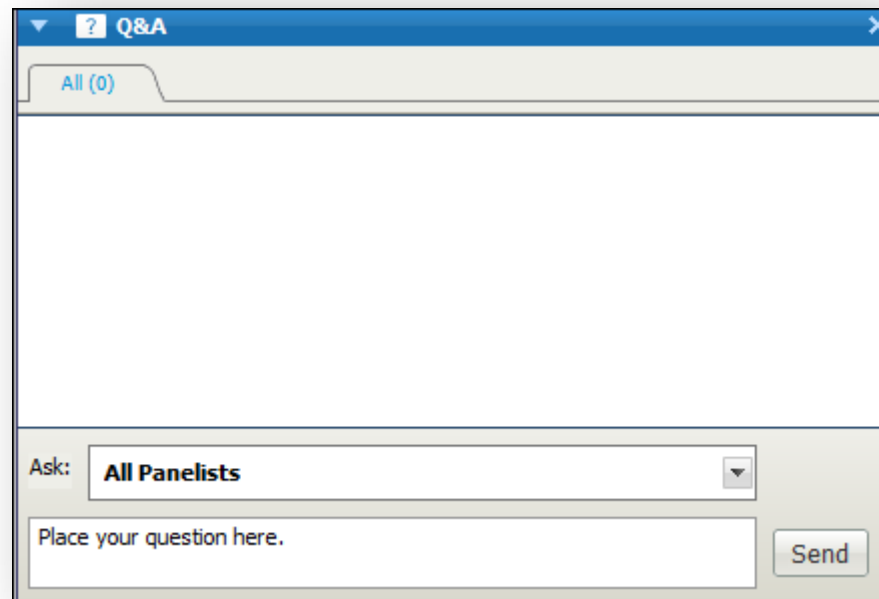
Contact the Auction Manager Team

**NERA Economic Consulting
Auction Manager
For AEP's Ohio CBP
Contact us by email at AEP-CBP@nera.com**

**Address for delivery of pre-bid letter of credit
NERA – Auction Manager
AEP Ohio CBP
1835 Market Street, Suite 1205
Philadelphia, PA 19103**

Questions?

- To submit questions to the presenters, please locate the “Q&A” on the right hand side of your screen, and select “All Panelists” in the “Send to” box; type in your question and click “Send” to submit your question



The image shows a screenshot of a web-based Q&A submission interface. The window title is "Q&A" with a question mark icon and a close button. Below the title bar, there is a tab labeled "All (0)". The main content area is currently empty. At the bottom of the window, there is a form with the following elements: a label "Ask:" followed by a dropdown menu currently set to "All Panelists", a text input field with the placeholder text "Place your question here.", and a "Send" button.