Rhode Island and Massachusetts Commercial Wind Power Lease Sale

15 January 2013

Karen Wrege



Power Auctions Profile

Company Profiles and Government Clients

Microtech LLC

- Large-scale enterprise network support and application development provider
- Provider of FISMA-compliant data center and cloud-based solutions
- Headquartered in Vienna, VA
- Service Disabled Veteran Owned Small Business

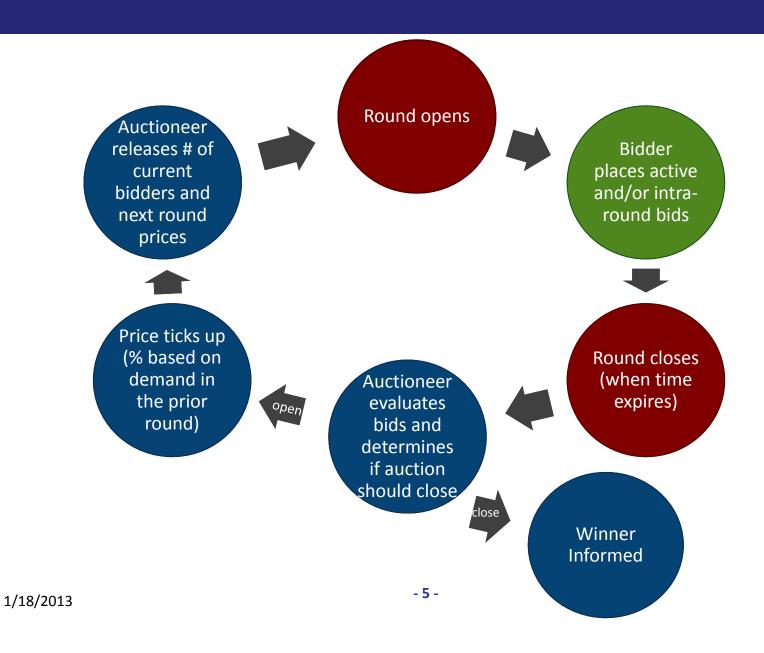
Power Auctions LLC

- Founded in 2003 as an outgrowth of Market Design Inc. (MDI), a consultancy of professors of economics and game theory at leading American universities
- Holds PowerAuctions™ software platform (which originated in 2000 and was first used commercially for the EDF generation capacity auctions in 2001)
- More than 150 high-stakes auctions and 3 industry simulations to date
- Government clients include US Federal Communications Commission, Federal Aviation Administration, Industry Canada, Australian Communications and Media Authority
- Delaware limited liability company with principal office in Washington DC

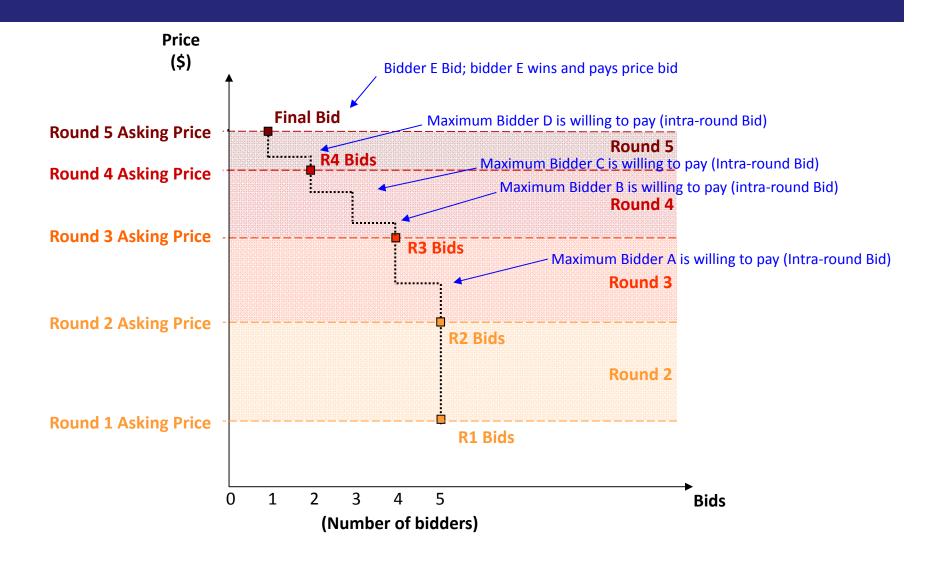
Auction Design

Ascending Clock Auction

Illustrative Single Item Ascending Clock Auction Round Process



Ascending clock auction (single item)

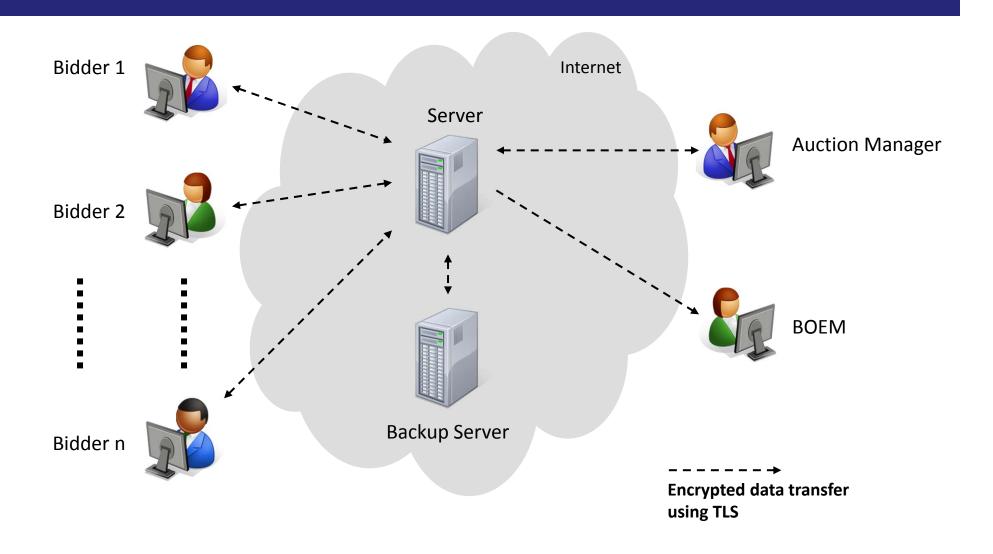


Auction Mechanics

IT and Backup Requirements for Participation

- Computer requirements
 - Computer with an 1.2 GHz processor or higher
 - Web Browsers supported
 - √ Google Chrome (Windows or MAC platforms)
 - √ Internet Explorer 8 or 9 (Windows 7 with required configuration change)
 - Access to the internet
 - 1366x768 or higher resolution monitor
- Recommended backup facilities
 - Secondary means to access the internet, such as a mobile wireless card
 - More than one individual (up to three) authorized to bid for your company

Typical auction arrangements



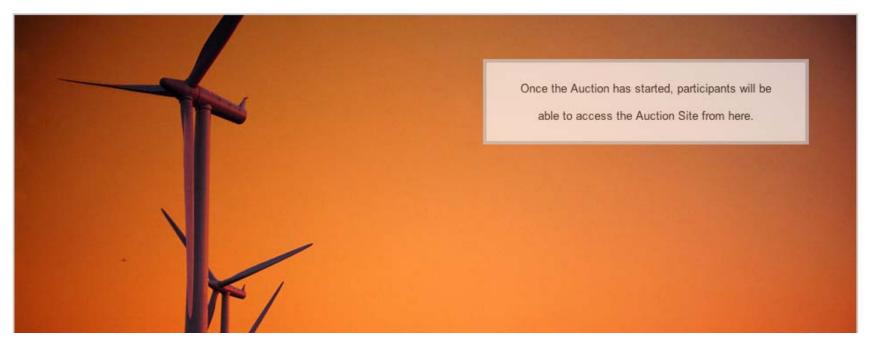




Bureau of Ocean Energy Management Auction

January 2013

Welcome to the Power Auctions system for the Simultaneous Ascending Clock Auction





14 January 2013, 02:57:28 EST

The Auction will start
21 January 2013 at 01:08:00 EST

Simultaneous Ascending Clock Auction - January 13, 2013

This web site is operated for the U.S. Government. Any unauthorized access is prohibited. Access of this system may be monitored, recorded, and subject to audit. Use of this system indicates consent to the monitoring and recording of the user's use of the system. The data and documents on this system include Federal records that may contain sensitive information protected by various Federal statutes. Unauthorized user attempts or acts to (1) access, upload, change, delete or deface information on this system, (2) modify this system, (3) deny access to this system, or (4) otherwise misuse this system are strictly prohibited and may result in criminal and civil penalties.

Please log in.	
Username:	
Password:	
SIE	
	Login >>



Time left in Round 24:25

14 January 2013, 03:04:35 EST

Round 1 started at 02:59:00 and will end

at 03:29:00 EST

Current Bids

Generate Bid Confirmation

My Results | Auction Info

nfo View Demand

Round Results

Auction Schedule

Messages

Downloads

Auction Schedule

[View Printable Format]

The Auction Schedule is shown below. The number of rounds will be dependent on bidding in the auction, and thus this screen does not reflect the expected number of rounds.

Round	Status	Start	End
Round 1	Active View Prices	02:59:00 EST	03:29:00 EST
	Recess	03:29:00 EST	04:29:00 EST
Round 2	Future	04:29:00 EST	04:59:00 EST
	Recess	04:59:00 EST	05:59:00 EST
Round 3	Future	05:59:00 EST	06:29:00 EST
	Recess	06:29:00 EST	07:29:00 EST
Round 4 Future		07:29:00 EST	07:59:00 EST
	Recess	07:59:00 EST	08:59:00 EST

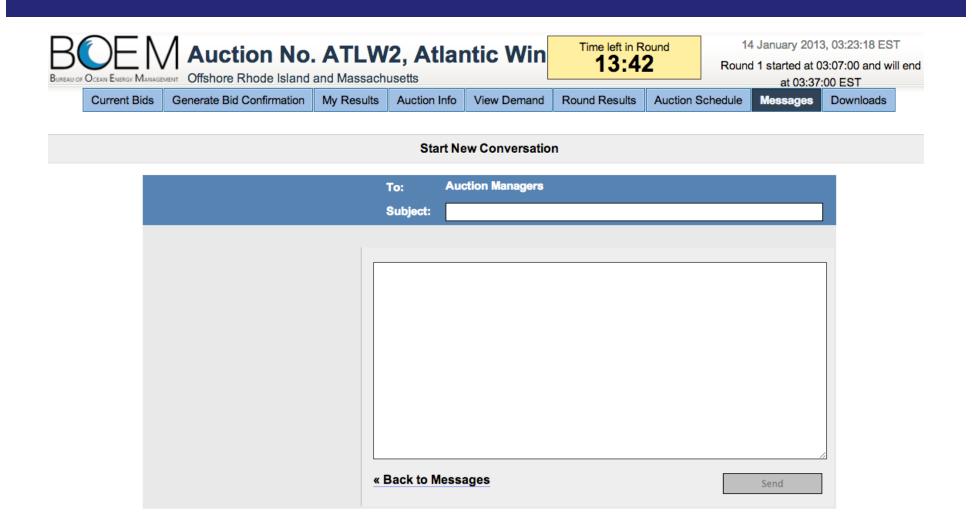


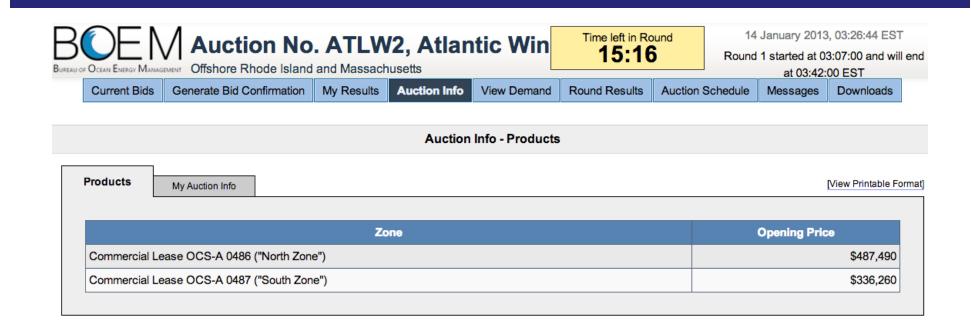
Messages

	[View Printable Format]						
	Announcements						
You have 1 announcement.							
To: All Participants	Auction No. ATLW2, Atlantic Wind Two. From: Adeh DeSandies, Auction Manager Sent: 14 January 2013, 03:07:16 EST						
	Welcome to the Auction No. ATLW2, Atlantic Wind Two, Offshore Rhode Island and Massachusetts. If you wish						
	View entire announcement »						

	My Conversations	
You have no conversations.		Start New Conversation »

- "My Conversations" shows the most recent message of each conversation.
- The Auction Manager may respond to your messages via phone or this message facility.







BOF M Auction No.	A TI \A/2	2 Atlan	tio Win	Time left in Ro		14	January 2013	, 03:28:43 ES	Т
Bureau of Ocean Energy Management Offshore Rhode Island a		-	ILIC AAIII	13:17	7	Round	1 started at 03 at 03:42:0		ll end
Current Bids Generate Bid Confirmation	My Results	Auction Info	View Demand	Round Results	Auction S	Schedule	Messages	Downloads	
		Current	Bids - Round 1						
				Activity: 0 Eligibility o	pts Eligit f Next Rou	bility: 2 pts nd: 0 pts	i		
		Zone					Live Bid		
Commercial Lease OCS-A 0486 ("North Zone")						\$487,49	0	
Commercial Lease OCS-A 0487 ("South Zone")						\$336,26	0	
Imputed price:							\$	0	
Credit (25.00%):							\$	0	
Cash bid:							\$	0	

[•] Credit applies only to the highest priced zone selected.



Zone	L	ive Bid
Commercial Lease OCS-A 0486 ("North Zone")	⋖	\$487,490
Commercial Lease OCS-A 0487 ("South Zone")		\$336,260
Imputed price:		\$487,490
Credit (25.00%):		\$121,873
Cash bid:		\$365,617

[·] Credit applies only to the highest priced zone selected.



Zone	L	ive Bid
Commercial Lease OCS-A 0486 ("North Zone")	⋖	\$487,490
Commercial Lease OCS-A 0487 ("South Zone")	⋖	\$336,260
Imputed price:		\$823,750
Credit (25.00%):		\$121,873
Cash bid:		\$701,877

[·] Credit applies only to the highest priced zone selected.



Zone	Live Bid
Commercial Lease OCS-A 0486 ("North Zone")	\$487,490
Commercial Lease OCS-A 0487 ("South Zone")	≤ \$336,260
Imputed price:	\$336,260
Credit (25.00%):	\$84,065
Cash bid:	\$252,195

[·] Credit applies only to the highest priced zone selected.



Current Bids - Round 1

Activity: 2 pts Eligibility: 2 pts
Eligibility of Next Round: 2 pts

Zone		Live Bid	
Commercial Lease OCS-A 0486 ("North Zone")	⋖	\$487,490	
Commercial Lease OCS-A 0487 ("South Zone")	⋖	\$336,260	
Imputed price:		\$823,750	
Credit (25.00%):		\$121,873	
Cash bid:		\$701,877	

[·] Credit applies only to the highest priced zone selected.



Time left in Round 07:25

14 January 2013, 03:34:35 EST

Round 1 started at 03:07:00 and will end

at 03:42:00 EST

Current Bids

Generate Bid Confirmation

Auction Info

View Demand

Round Results

Auction Schedule

Messages

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Bid Confirmation for Adeh & Co - Round 1

Round: Round 1 + Bid data as of Monday, 14 January 2013, 03:34:07 EST.

My Results

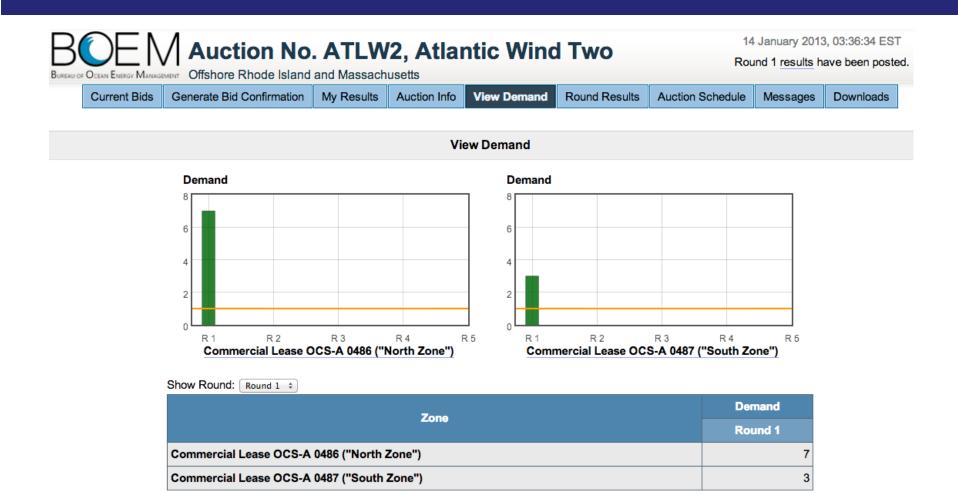
[Print this page]

This round's Eligibility: 2 pts

Next round's Eligibility: 2 pts (based on current Live Bid)

Zone		Live Bid	
Commercial Lease OCS-A 0486 ("North Zone")	✓	\$487,490	
Commercial Lease OCS-A 0487 ("South Zone")	✓	\$336,260	
Imputed price:		\$823,750	
Credit (25.00%):		\$121,873	
Cash bid:		\$701,877	

Credit applies only to the highest priced zone selected.





Posted Bids:

Print this page

This table contains the results for all Rounds in which you were eligible to bid.

Liv	ve Bid Intra-round Bid Ro		Round	Eligibility this Round	Activity this Round	Eligibility next Round	
XX	\$823,750	9-3	Round 1	2 pts	2 pts	2 pts	



_ங் [Print this page]

Round 1

Zone	Price	Quantity Posted	Increment	Price
20116		Round 2		
Commercial Lease OCS-A 0486 ("North Zone")	\$487,490	7	N/A	N/A
Commercial Lease OCS-A 0487 ("South Zone")	\$336,260	3	N/A	N/A



To download a file, click on one of the hyperlinks below. If you have Excel on your computer, you should select [.xls]. Otherwise, select [.csv].

Instructions for Excel users [.xls]: When prompted by the browser, please select either OPEN (to look at the file) or SAVE (to make a copy of the file on your computer). You can override the default name, but you should choose a filename that ends in ".xls".

Instructions for other software [.csv]: When prompted by the browser, please select **SAVE** (to make a copy of the file on your computer). You can override the default name, but you should choose a filename that ends in ".csv".

[.xls][.csv] « My Saved Round Bids

[.xls][.csv] « Round Results

BOE BUREAU OF OCEAN ENERGY M	Auction No. Offshore Rhode Island			ntic Win	Time left in Ro 28:51			,	3, 03:40:09 EST 3:39:00 and wil 00 EST	
Current Bi	ds Generate Bid Confirmation	My Results	Auction Info	View Demand	Round Results	esults Auction Schedule Messag		Messages	Downloads	
	Current Bids - Round 2									
					Activity: 0 Eligibility o		bility: 2 pts nd: 0 pts			

	Zone	Previous Round Bid	Live Bid	
Commercial Lease OCS-A	0486 ("North Zone")	⋖ \$487,490	\$584,988	
Commercial Lease OCS-A	0487 ("South Zone")	⋖ \$336,260	\$363,161	
Intra-Round Bid	Place Intra-round Bid	Imputed price:	\$0	
Credit (25.00%):	-		\$0	
Cash bid:	-		\$0	

- · Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more than the total price for that set of zones in the last round and less that the total price for that set of zones in the current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.

BOEN BUREAU OF OCEAN ENERGY MANAGE	Auction No. Offshore Rhode Island			ntic Win	Time left in Ro 27:50			•	3, 03:41:10 EST 3:39:00 and will 00 EST	
Current Bids	Generate Bid Confirmation	My Results	Auction Info	View Demand	Round Results Auction Schedule M			Messages	Downloads	
	Current Bids - Round 2									
					Activity: 1 Eligibility o		bility: 2 pts nd: 1 pt	.		

	Zone	Previous Round Bid	Live Bid
Commercial Lease OCS-A	0486 ("North Zone")	⋖ \$487,490	≤ \$584,988
Commercial Lease OCS-A	0487 ("South Zone")	≤ \$336,260	\$363,161
Intra-Round Bid	Place Intra-round Bid	Imputed price:	\$584,988
Credit (25.00%):	-		\$146,247
Cash bid:	-		\$438,741

- · Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more
 than the total price for that set of zones in the last round and less that the total price for that set of zones in the
 current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.



Current Bids - Round 2

Activity: 2 pts Eligibility: 2 pts
Eligibility of Next Round: 2 pts

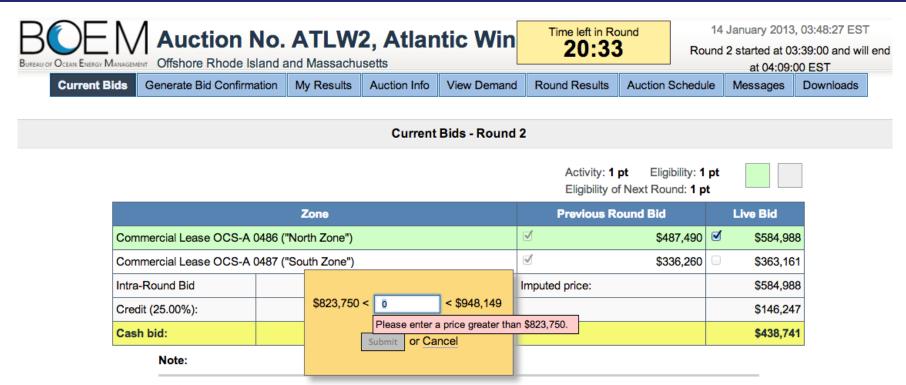
	Zone	Previous Round Bid	Live Bid		
Commercial Lease OCS-A 0486 ("North Zone")		≤ \$487,490	≤ \$584,988		
Commercial Lease OCS-A	0487 ("South Zone")	☑ \$336,260	≤ \$363,161		
Intra-Round Bid	Place Intra-round Bid	Imputed price:	\$948,149		
Credit (25.00%):	-		\$146,247		
Cash bid:	-		\$801,902		

- Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more than the total price for that set of zones in the last round and less that the total price for that set of zones in the current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.

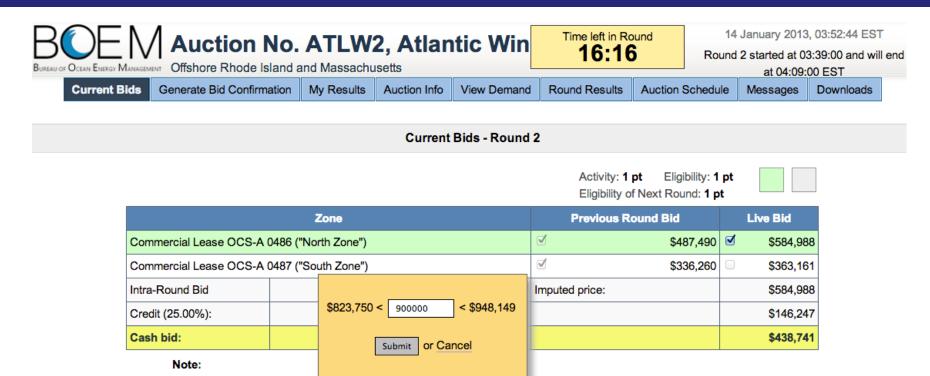


	Zone	Previous Round Bid	Live Bid	
Commercial Lease OCS-A	0486 ("North Zone")	₹ \$487,490	⋖	\$584,988
Commercial Lease OCS-A	0487 ("South Zone")	≤ \$336,260		\$363,161
Intra-Round Bid	Place Intra-round Bid	Imputed price:		\$584,988
Credit (25.00%):	-			\$146,247
Cash bid:	-			\$438,741

- Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more
 than the total price for that set of zones in the last round and less that the total price for that set of zones in the
 current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.



- · Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more
 than the total price for that set of zones in the last round and less that the total price for that set of zones in the
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- · Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more
 than the total price for that set of zones in the last round and less that the total price for that set of zones in the
 current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.



	Zone	Previous Round Bid	Live Bid	
Commercial Lease OCS-A	0486 ("North Zone")	₹ \$487,490	≤ \$584,988	
Commercial Lease OCS-A	0487 ("South Zone")	≤ \$336,260	9363,161	
Intra-Round Bid	Edit or Delete \$900,000	Imputed price:	\$584,988	
Credit (25.00%):	\$121,873		\$146,247	
Cash bid:	\$778,127		\$438,741	

- · Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more than the total price for that set of zones in the last round and less that the total price for that set of zones in the current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.



Time left in Round 14:37

14 January 2013, 03:54:23 EST

Round 2 started at 03:39:00 and will end

at 04:09:00 EST

Current Bids

Generate Bid Confirmation

My Results | Auction Info

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Bid Confirmation for Adeh & Co - Round 2

Round: Round 2 + Bid data as of Monday, 14 January 2013, 03:53:51 EST.

[Print this page]

This round's Eligibility: 2 pts

Next round's Eligibility: 1 pt (based on current Live Bid)

You eligibility will be reduced next Round.

Zone	Intra-round Bid	Live Bid
Commercial Lease OCS-A 0486 ("North Zone")	✓	√ \$584,988
Commercial Lease OCS-A 0487 ("South Zone")	✓	
Imputed price:	\$900,000	\$584,988
Credit (25.00%):	\$121,873	\$146,247
Cash bid:	\$778,127	\$438,741

- Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be more
 than the total price for that set of zones in the last round and less that the total price for that set of zones in the
 current round. By making an intra-round bid you reduce your eligibility by one for live bids in this and future rounds.

Commercial Lease OCS-A 0487 ("South Zone")

14 January 2013, 03:56:30 EST Auction No. ATLW2, Atlantic Wind Two Round 2 results have been posted. Offshore Rhode Island and Massachusetts **Current Bids** Generate Bid Confirmation My Results Auction Info **View Demand** Round Results Auction Schedule Messages Downloads **View Demand** Demand Demand R 2 Commercial Lease OCS-A 0486 ("North Zone") Commercial Lease OCS-A 0487 ("South Zone") Show Round: Round 2 + (and up to 1 Round before) Demand Zone Round 2 Round 1 Commercial Lease OCS-A 0486 ("North Zone")



Posted Bids:

Print this page

This table contains the results for all Rounds in which you were eligible to bid.

Liv	e Bid	d Intra-round Bid R		Round	Eligibility this Round	Activity this Round	Eligibility next Round	
XO	\$584,988	XX	\$900,000	Round 2	2 pts	1 pt	1 pt	
XX	\$823,750		(a)	Round 1	2 pts	2 pts	2 pts	

BOE M Auction No. ATLW2, Atlantic Wind Two

14 January 2013, 04:00:47 EST

Round 2 results have been posted.

Offshore Rhode Island and Massachusetts

Current Bids Generate Bid Confirmation

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Round Results

[Print this page]

Round 2

Zone	Price	Quantity Posted	Increment	Price
20116		Round 3		
Commercial Lease OCS-A 0486 ("North Zone")	\$584,988	4	N/A	N/A
Commercial Lease OCS-A 0487 ("South Zone")	\$363,161	1	N/A	N/A

Round 1

Zone	Price	Quantity Posted	Increment	Price
20116		Round 2		
Commercial Lease OCS-A 0486 ("North Zone")	\$487,490	7	20.00%	\$584,988
Commercial Lease OCS-A 0487 ("South Zone")	\$336,260	3	8.00%	\$363,161



Current Bids - Round 4

You are not allowed to change your bid in this round because you are the sole bidder for all the zones for which you placed a bid in the previous round.

Activity: 1 pt Eligibility: 1 pt
Eligibility of Next Round: 1 pt

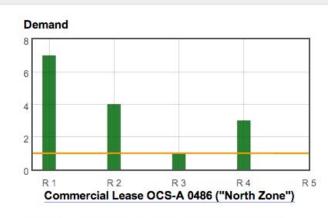
	Zone	Previous Round Bid	Live Bid	
Commercial Lease OCS-A	0486 ("North Zone")	⋖ \$655,187	≤ \$655,187	
Commercial Lease OCS-A	0487 ("South Zone")	\$363,161	\$406,741	
Intra-Round Bid	Place Intra-round Bid	Imputed price:	\$655,187	
Credit (25.00%):	-		\$163,797	
Cash bid:	-		\$491,390	

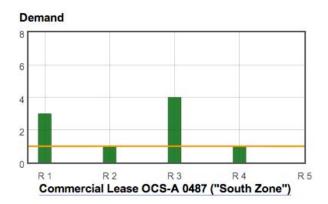
Note:

- Credit applies only to the highest priced zone selected.
- An intra-round bid may be made on the same set of zones you bid on in the previous round. The price must be
 greater than the total price for that set of zones in the last round and less than the total price for that set of zones in
 the current round. By making an intra-round bid you reduce your eligibility by one for your live bid in this round.

Auction No. ATLW2, Atlantic Wind Two Auction No. ATLW2, Atlantic Wind Two Offshore Rhode Island and Massachusetts Current Bids Generate Bid Confirmation My Results Auction Info View Demand Round Results Auction Schedule Messages Downloads

View Demand



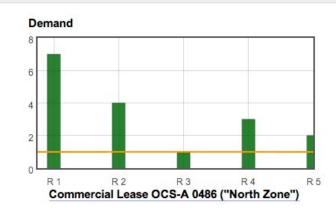


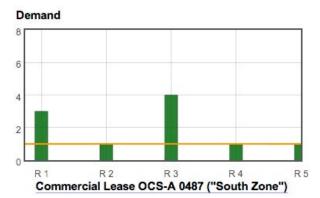
Show Round: Round 4 + (and up to 3 Rounds before)

Zone		Demand					
Zone	Round 4	Round 3	Round 2	Round 1			
Commercial Lease OCS-A 0486 ("North Zone")	3	1	4	7			
Commercial Lease OCS-A 0487 ("South Zone")	1	4	1	3			



View Demand



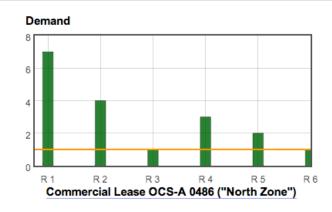


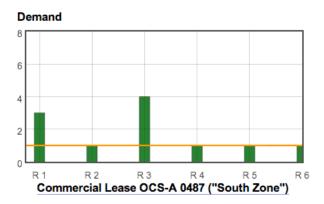
Show Round: Round 5 + (and up to 4 Rounds before)

7		Demand						
Zone	Round 5	Round 4	Round 3	Round 2	Round 1			
Commercial Lease OCS-A 0486 ("North Zone")	2	3	1	4	7			
Commercial Lease OCS-A 0487 ("South Zone")	1	1	4	1	3			



View Demand (Final Round)





Show Round: Round 6 ÷ (and up to 5 Rounds before)

Zone	Demand						
ZONE	Round 6	Round 5	Round 4	Round 3	Round 2	Round 1	
Commercial Lease OCS-A 0486 ("North Zone")	1	2	3	1	4	7	
Commercial Lease OCS-A 0487 ("South Zone")	1	1	1	4	1	3	



Congratulations! The auction has concluded.

[Print this page]

Subject to the determination of the panel you have preliminarily been designated the winner of the following zone:

Zones	Activity	Price as Bid	Credit	Payment
Commercial Lease OCS-A 0486 ("North Zone")	1 pt	\$735,907	\$183,977	\$551,930

BOEM reserves the right not to issue a lease pursuant to this bid pursuant to its authority under the Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq. and section 1337(c)(3) in particular), 30 CFR 585.224(f), and the rules listed in the Final Sale Notice.

Posted Bids:

This table contains the results for all Rounds in which you were eligible to bid.

Live Bid		Intra-round Bid Round		Eligibility this Round	Activity this Round	Eligibility next Round
XO	\$735,907	-	Round 6	1 pt	1 pt	1 pt
XO	\$707,602	72	Round 5	1 pt	1 pt	1 pt
X0	\$655,187	-	Round 4	1 pt	1 pt	1 pt
XO	\$655,187	173	Round 3	1 pt	1 pt	1 pt
XO	\$584,988	XX \$900,000	Round 2	2 pts	1 pt	1 pt
XX	\$823,750	-	Round 1	2 pts	2 pts	2 pts



My Results - Auction Concluded

Your Final Results:

[Print this page]

Zones	Activity	Price as Bid	Credit	Payment			
You did not win any Products in the Auction.							

Posted Bids:

This table contains the results for all Rounds in which you were eligible to bid.

Liv	e Bid	Intra	a-round Bid	Round	Eligibility this Round	Activity this Round	Eligibility next Round
00	\$0	X0	\$556,694	Round 2	1 pt	0 pts	0 pts
XO	\$487,490		-	Round 1	2 pts	1 pt	1 pt

Note:

· Credit applies only to the highest priced zone selected.

Auction No. ATLW2, Atlantic Wind Two

14 January 2013, 04:54:37 EST

OF OCEAN ENERGY MANAGEMENT Offshore Rhode Island and Massachusetts

The Auction has concluded.

Current Bids Genera

Generate Bid Confirmation

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[Print this page]

Final Results

	Winners						
ID	Company Name	Zones	Activity	Price as Bid	Credit	Payment	
1	Adeh & Co	Commercial Lease OCS-A 0486 ("North Zone")	1 pt	\$735,907	\$183,977	\$551,930	
Tot	al Sold	Commercial Lease OCS-A 0486 ("North Zone"),Commercial Lease OCS-A 0487 ("South Zone")		Num	ber of Winnir	ng Bidders: 2	

Round 6

Zone	Price	Quantity Posted	Increment	Price
Zone		Round 7		
Commercial Lease OCS-A 0486 ("North Zone")	\$735,907	1	N/A	N/A
Commercial Lease OCS-A 0487 ("South Zone")	\$406,741	1	N/A	N/A



Round Results

[Print this page]

Final Results

Winners		Zones	A reflection	Drive on Did	Credit	- Appending
ID	Company Name	Zones	Activity	Price as Bid	Credit	Payment
Total Sold		Commercial Lease OCS-A 0486 ("North Zone"),Commercial Lease OCS-A 0487 ("South Zone")	Number of Winning Bidders:			ng Bidders: 2

Round 6

Zone	Price	Quantity Posted Increment		Price
Zone		Round 7		
Commercial Lease OCS-A 0486 ("North Zone")	\$735,907	1	N/A	N/A
Commercial Lease OCS-A 0487 ("South Zone")	\$406,741	1	N/A	N/A

Round 5

Bidder Preparation

Prospective Bidders

- Receive, via email, the User Guide for the Auction Software
 - One copy of the User Guide will be emailed to the email address listed for the main "Point of Contact" for your company (Verify with BOEM)
- Receive, via FedEx (signature required), usernames, passwords and tokens for the Auction System for the Authorized Individuals
 - Allows access to the Auction System for the mock auction and live auction
 - One set per authorized individual

Mock Auction

- Mock Auction (training session) is scheduled just prior to the auction to provide bidders with an opportunity to test their login codes and place practice bids
- Participation in the Mock Auction will occur remotely over the Internet, from the bidders' respective offices
- Recommend that bidders use the PC and connection that they intend to use for the live auction
- No results of the Mock Auction will be published
- Auction Manager will provide support (telephone and messaging facility of auction system) during the Mock Auctions

Live Auctions

- Participation in the Auctions will occur remotely over the Internet, from the bidders' respective offices
- Bidders should establish protocol that a single Authorized Individual will be submitting bids; and that the second and third Authorized Individuals are available as backups
- All submissions subject to the constraints of the Auction Rules
- Auction Manager will provide support (telephone and messaging facility of auction system) during the Live Auctions

Questions and Answers

BOEM and Power Auctions LLC