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For Immediate Release

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CO₂ Allowances Sold for \$4.88 in 25th RGGI Auction

25th Auction Marks Sixth Year of Success for RGGI Program

NEW YORK — The nine Northeastern and Mid-Atlantic states participating in the Regional Greenhouse Gas Initiative (RGGI), the nation's first market-based regulatory program to reduce greenhouse gas pollution, today announced the results of their 25^{th} auction of carbon dioxide (CO₂) allowances. The auction held Wednesday, September 3, 2014 marks six years since the launch of the RGGI auctions in the fall of 2008.

17,998,687 CO₂ allowances were sold at the auction at a clearing price of \$4.88. Allowances sold represent 100 percent of the allowances offered for sale by the nine states.

The auction generated \$87.8 million for reinvestment by the RGGI states in a variety of consumer benefit initiatives, including energy efficiency, renewable energy, direct bill assistance, and greenhouse gas abatement programs. Cumulative proceeds from all RGGI CO₂ allowance auctions currently total \$1.8 billion dollars.

According to the independent market monitor's report, electricity generators and their corporate affiliates have won 78 percent of CO₂ allowances sold in RGGI auctions since 2008. Additional details are available in the *Market Monitor Report for Auction 25*, appended and available at http://www.rggi.org/docs/Auctions/25/Auction_25_Market_Monitor_Report.pdf.

"For six years RGGI has delivered cleaner air and smarter energy use, while improving our regional economy," said Kelly Speakes-Backman, Commissioner of the Maryland Public Service Commission and Chair of the RGGI, Inc. Board of Directors. "The RGGI states' experience demonstrates that a regional market-based carbon pollution reduction program can achieve its goals cost effectively, while maintaining electricity grid reliability and affordability for consumers."

"The RGGI states provide a national model on how to effectively reduce carbon pollution and transition to cleaner energy sources, which leads to lower energy bills and creates jobs," said Joe Martens, Commissioner of the New York State Department of Environmental Conservation and a Vice-Chair of the RGGI, Inc. Board of Directors. "Our experience offers positive proof that reducing carbon emissions through a market-based emissions trading program can provide environmental and economic benefits, while demonstrating a cost-effective approach to implementing EPA's proposed Clean Power Plan."

To receive announcements relating to future auctions and other RGGI news, please join the RGGI, Inc. mailing list at <u>http://www.rggi.org/news/mailing_list</u>.

Auction 25 Results At-A-Glance		
Auction Date	September 3, 2014	
Allowances Offered for Sale	17,998,687	
Allowances Sold	17,998,687	
Ratio of Bids to Initial Supply	2.5	
Clearing Price	\$4.88	
Reserve Price	\$2.00	
Proceeds from Auction 25	\$87,833,592.56	
Total Cumulative Proceeds (All Auctions)	\$1,840,230,795.20	
Number of Bidders in Auction 25	43	
Percent of Allowances Purchased by Compliance Entities & their Corporate Affiliates in Auction 25	80%	
Percent of Allowances Purchased by Compliance Entities & their Corporate Affiliates in Auctions 1-25	78%	

More data is also available at: <u>http://www.rggi.org/market/co2_auctions/results</u>.

About the Regional Greenhouse Gas Initiative

The Northeast and Mid-Atlantic states participating in the second RGGI control period (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont) have implemented the first mandatory market-based regulatory program in the U.S. to reduce greenhouse gas emissions. The 2014 RGGI cap is 91 million short tons. The RGGI cap then declines 2.5 percent each year from 2015-2020.

RGGI is composed of individual CO_2 budget trading programs in each state, based on each state's independent legal authority. A CO_2 allowance represents a limited authorization to emit one short ton of CO_2 as issued by a respective state. A regulated power plant must hold CO_2 allowances equal to its emissions to demonstrate compliance for each three-year control period. RGGI's second control period began on January 1, 2012 and extends through December 31, 2014. For more information visit www.rggi.org

About Regional Greenhouse Gas Initiative, Inc.

Regional Greenhouse Gas Initiative, Inc. (RGGI, Inc.) was created to provide technical and administrative services to the states participating in the Regional Greenhouse Gas Initiative. RGGI, Inc. is a 501(c)(3) nonprofit organization. For more information, visit: <u>www.rggi.org/rggi</u>.

The RGGI auctions are administered by RGGI, Inc. and run on an on-line platform provided by World Energy Solutions, Inc.



MARKET MONITOR REPORT FOR AUCTION 25

Prepared for:

RGGI, Inc., on behalf of the RGGI Participating States

Prepared By:



September 5, 2014



This report was prepared by Potomac Economics (the contractor) in the course of performing work contracted for and sponsored by RGGI, Inc. on behalf of states participating in RGGI (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont). The opinions expressed in this report do not necessarily reflect those of RGGI, Inc. or any of the states participating in RGGI, and reference to any specific product, service, process, or method does not constitute an implied or expressed recommendation or endorsement of it. Further, RGGI, Inc., the states participating in RGGI, and the contractor make no warranties or representations, expressed or implied, as to the fitness for particular purpose or merchantability of any product, apparatus, or service, or the usefulness, completeness, or accuracy of any processes, methods, or other information contained, described, disclosed, or referred to in this report. RGGI, Inc., the states participating in RGGI, and the contractor make no representation that the use of any product, apparatus, process, method, or other information will not infringe privately owned rights and will assume no liability for any loss, injury, or damage resulting from, or occurring in connection with, the use of information contained, described, disclosed, or servibed, disclosed, or referred to in this report.

The Regional Greenhouse Gas Initiative (RGGI) is the first mandatory market-based regulatory program in the U.S. to reduce greenhouse gas emissions. RGGI is a cooperative effort of Northeast and Mid-Atlantic states to reduce emissions of carbon dioxide (CO₂) from the power sector.

RGGI, Inc. is a non-profit corporation created to provide technical and administrative services to the states participating in the Regional Greenhouse Gas Initiative.



MARKET MONITOR REPORT FOR AUCTION 25

As the Market Monitor for the RGGI CO₂ allowance market, Potomac Economics monitors the conduct of market participants in the auctions and in the secondary market to identify indications of market manipulation or collusion. We also review the administration of the auctions by World Energy Solutions. This report summarizes our findings regarding RGGI Auction 25, which was held on September 3, 2014.

We observed the auction as it occurred and have completed our review and analysis of its results. Based on our review of bids in the auction, we find no material evidence of collusion or manipulation by bidders.

Forty-three bidders participated in the offering of CO_2 allowances. Bids were submitted to purchase 2.5 times the available supply of allowances, resulting in a clearing price of \$4.88 per ton. Compliance entities or their affiliates purchased 80 percent of the allowances in the offering. There was no indication of barriers to participation in the auction.

Based on our review of the administration of the market, we found that:

- The auction was administered in a fair and transparent manner in accordance with the noticed auction procedures and limitations.
- The auction results were consistent with the market rules and the bids received.
- Sensitive information was treated appropriately by the auction administrator.
- There were no indications of issues with the auction platform such as hardware or software problems, communications issues, or security breaches.

In summary, the results of our monitoring of RGGI Auction 25 raise no material concerns regarding the auction process, barriers to participation in the auction, or the competitiveness of the auction results. The appendix provides additional information about the market for RGGI CO_2 allowances and outcomes of the auction.



APPENDIX

A. DISPERSION OF PROJECTED DEMAND

The wide dispersion of projected demand for RGGI allowances across compliance entities facilitates the competitive performance of the auction.

The following figure shows the relative shares of projected demand for RGGI allowances by compliance entity in the current control period. The largest compliance entity represents only 18 percent of the total projected demand for allowances. Approximately half of the projected demand is composed of entities that each account for less than 5 percent of the total demand. Participation by a large number of entities facilitates the competitive performance of the auction.

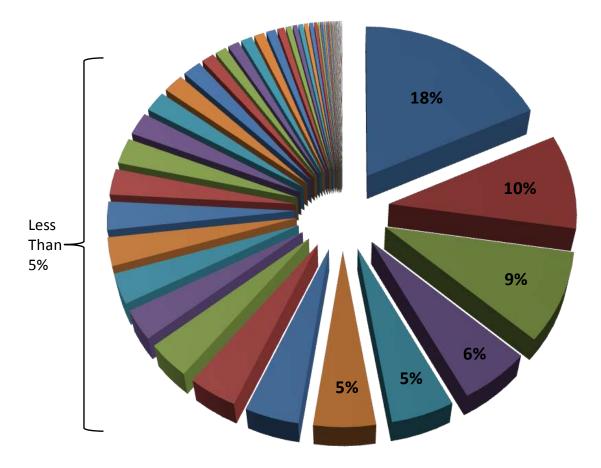


Figure 1: Projected Demand for RGGI Allowances Shares by Compliance Entity



B. DISPERSION OF BIDS IN AUCTION 25

In the offering of allowances for the current control period, bids were submitted by 38 compliance entities and five other entities. In our review of the bids and the qualification process, we found no material evidence of anti-competitive conduct or inappropriate barriers to participation.

The following figure summarizes the quantity of allowances for which bids were submitted by each bidder. Six compliance entities and four other entities submitted bids for a large quantity of allowances (i.e., at least 2 million tons). Overall, compliance entities accounted for 66 percent of the quantity of allowances for which bids were submitted. The quantity of allowances for which bids were submitted was 2.5 times the Initial Offering of 17,998,687 allowances. In Auction 24, the quantity of allowances for which bids were submitted was 2.9 times the Initial Offering of 18,062,384 allowances.

The bid quantities were widely distributed among the 43 bidders. The concentration of bids, using the Herfindahl-Hirschman Index ("HHI"), is relatively low at 604, consistent with recent auctions. The HHI is a standard measure of concentration calculated by squaring each entity's share and then summing the squares across all entities (hence, the index ranges from 0 to 10,000).

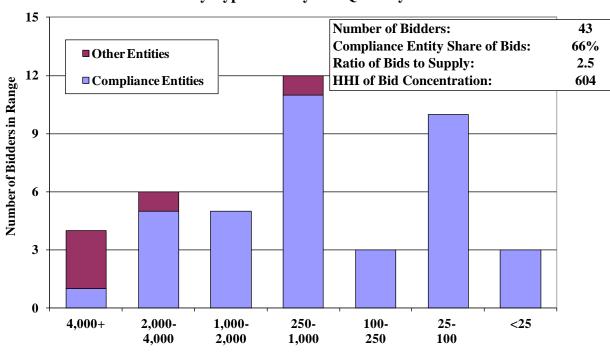


Figure 2: Quantity of B4ds Submitted by Entity By Type of Entity and Quantity Bid

Quantity of Bids Submitted (in Thousands of Tons)



C. SUMMARY OF PURCHASES OF ALLOWANCES IN AUCTION 25

In the offering of allowances for the current control period, awards were distributed across 36 bidders with six bidders purchasing one million tons or more and 17 bidders purchasing 300,000 tons or more. Compliance entities or their affiliates purchased 80 percent of the allowances in the auction.

The share of allowances purchased and several other quantities are reported for two types of entities:

- *Compliance Entities*: This includes all compliance entities and their affiliates. In this report, affiliated firms are firms that: (i) have a parent-subsidiary relationship with a compliance entity, (ii) are subsidiaries of a parent company that has a large interest in a compliance entity, (iii) have substantial control over the operation of a budget source and/or responsibility for acquiring RGGI allowances to satisfy its compliance obligations.
- Other Entities: This includes all other entities without compliance obligations.

The following statistics summarize the purchases and holdings of allowances by compliance entities and their affiliates under the RGGI program:

- In Auction 25, compliance entities and their affiliates purchased 80 percent of the allowances sold.
- In the first 25 RGGI auctions, compliance entities and their affiliates purchased 78 percent of the allowances sold.
- Compliance entities and their affiliates will hold 80 percent of the allowances in circulation following the settlement of allowances sold in Auction 25.

The following table shows the quantity of allowances purchased by each bidder. The identity of each bidder is masked, and the bidders are ranked according to the amount of allowances awarded, from largest to smallest.

Bidder	Number of Allowances Awarded
Bidder 1	3,400,000
Bidder 2	2,249,000
Bidder 3	1,750,000
Bidder 4	1,458,687
Bidder 5	1,057,000
Bidder 6	1,000,000
Bidder 7	850,000
Bidder 8	675,000
Bidder 9	614,000
Bidder 10 Bidder 11	580,000 508,000
Bidder 12	500,000
Bidder 12	441,000
Bidder 14	401,000
Bidder 15	350,000
Bidder 16	341,000
Bidder 17	303,000
Bidder 18	200,000
Bidder 19	200,000
Bidder 20	171,000
Bidder 21	150,000
Bidder 22	150,000
Bidder 23	145,000
Bidder 24	100,000
Bidder 25	88,000
Bidder 26	85,000
Bidder 27	39,000
Bidder 28	30,000
Bidder 29	26,000
Bidder 30	25,000
Bidder 31	25,000
Bidder 32	25,000
Bidder 33	25,000
Bidder 34	18,000
Bidder 35	14,000
Bidder 36	5,000

Table 1: Quantity of Allowances Awarded by Bidder



D. SUMMARY OF BID PRICES IN AUCTION 25

Bids were submitted across a wide range of prices in the auction and the clearing price of \$4.88 was relatively consistent with average bid prices submitted.

The following table reports several statistics regarding the bid prices for bids submitted in Auction 25. The median and mean bid prices are weighted by the quantity of each bid.

Bid Prices:	
Minimum	\$2.00
Maximum	\$7.35
Average (Median)	\$4.71
Average (Mean)	\$4.58
Clearing Price:	\$4.88



E. NAMES OF POTENTIAL BIDDERS IN AUCTION 25

In accordance with Sections 2.8 and 3 of the Auction Notice for CO₂ Allowance Auction 25 on September 3, 2014, the Participating States are releasing the names of Potential Bidders in Auction 25. The states defined potential bidders as: "Each Applicant that has been qualified and submitted a complete *Intent to Bid.*" The list of 47 Potential Bidders is as follows:

Brayton Point Energy, LLC Brookfield Energy Marketing LP Brooklyn Navy Yard Cogen Partners, LP Caithness Long Island, LLC Calpine Energy Services, LP Castleton Commodities Merchant Trading, LP Castleton Power, LLC CE2 Carbon Capital, LLC Consolidated Edison Comp. of NY, Inc. Delaware City Refining Company, LLC Dominion Energy Marketing, Inc. EDF Trading North America, LLC Entergy Rhode Island State Energy, LP EquiPower Resources Exelon Generation Company, LLC GDF SUEZ Energy Marketing NA, Inc. GenOn Energy Management, LLC Granite Ridge Energy, LLC Indeck-Corinth Limited Partnership Indeck-Olean Limited Partnership Indeck-Oswego Limited Partnership Indeck-Yerkes Limited Partnership Jamestown Board of Public Utilities J-Power USA Development Co., Ltd.

Kleen Energy Systems, LLC Koch Supply & Trading, LP Lakeside Energy, LLC Luminus Energy Partners QP, LP Mercuria Energy America, Inc. Millennium Power Partners, LP Morgan Stanley Capital Group, Inc. National Grid Gen. dba National Grid New Athens Generating Company, LLC NextEra Energy Power Marketing, LLC NRG Power Marketing, LLC Old Dominion Electric Cooperative Power Authority of the State of New York PSEG Energy Resources & Trade, LLC Public Service Company of New Hampshire RBC Selkirk Cogen Partners, LP TransCanada Power Marketing, Ltd. Upstate New York Power Producers, LLC Verso Paper Corp. Village of Freeport Vitol Inc. Wallingford Energy, LLC