



# City of Pittsburgh

## Green Financing



# Created the “Office of Sustainability & Energy Efficiency” in 2007

- Established The Pittsburgh Climate Action Plan
- Hired a Sustainability Coordinator
- Established the Green Trust Fund
  - Legislation through council
  - Not attached to General Fund
  - Funded by a portion of the money set aside during energy saving initiatives.

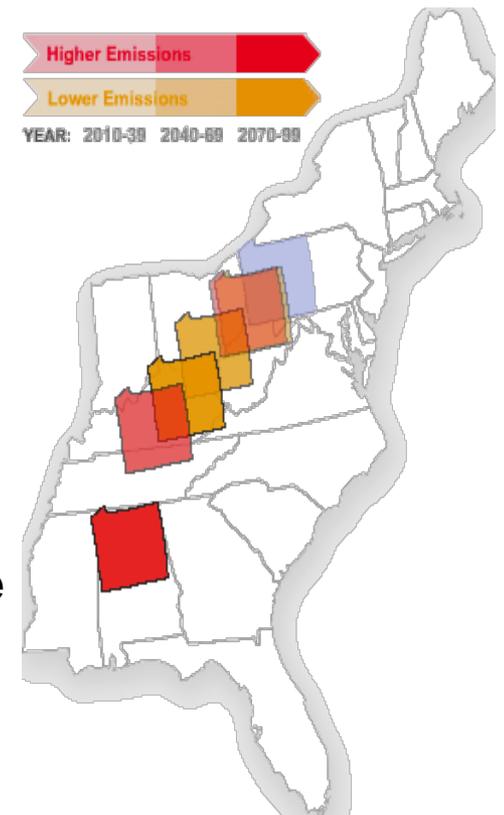
# Climate Action Plan

2006: Pittsburgh joins ICLEI—Cities for Climate Protection

2006: Mayor establishes the Green Government Task Force to prepare a Climate Action Plan for the City of Pittsburgh

2007: **Executive Order Relative to Climate Action:**

- **Greenhouse Gas Emissions reduction goals:**
  - 20% below 2003 levels by 2023
- **New Construction/Major Renovation: LEED Silver**
- **Require LEED construction standards for the City-County Building**
- **Purchase of 15% Renewable in electricity purchase**



Source: NECIA / UCS

# Western Pennsylvania Energy Consortium

## Details

- A region-wide energy cost and consumption reduction program founded in 2007.
- Historic County & City Joint Electricity Purchasing Initiative
- Contracted Volume: 230,000,000 kWh (2 year agreement)
- Participating Entities: City of Pittsburgh, County of Allegheny, Pittsburgh Water and Sewer Authority, Pittsburgh Zoo and PPG Aquarium, and the Sports and Exhibition Authority
- 15% Green Energy (2X initial specification requirement)



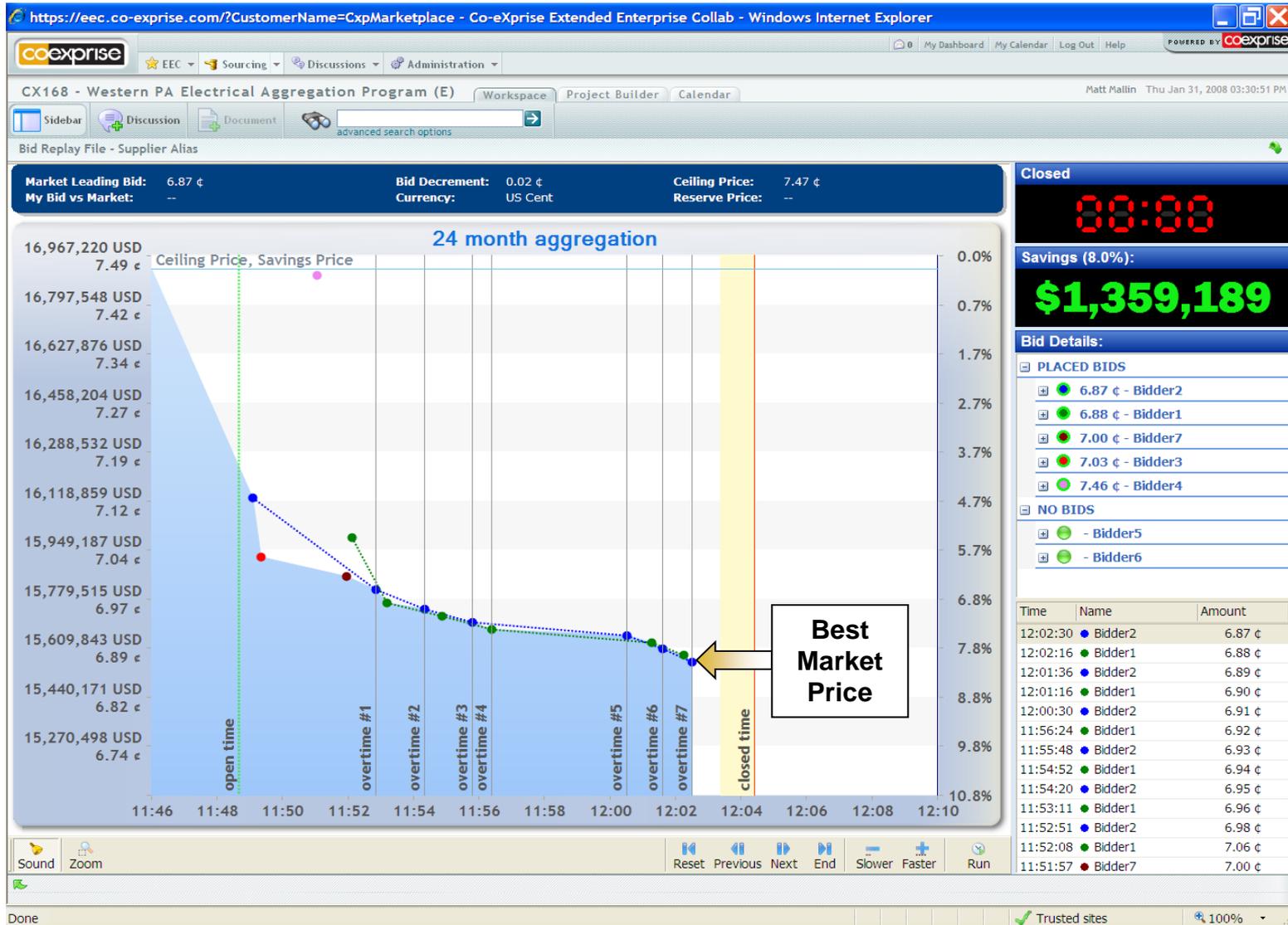
# Project Status

## Lotting Structure

- City of Pittsburgh, Allegheny County, Pittsburgh Sports & Exhibition Authority, Pittsburgh Zoo and Pittsburgh Water & Sewer Authority

Lot Participation	Entity	Estimated Annual Usage (kWh) 12 months	Estimated Annual Usage (kWh) 24 months	Estimated Annual Usage (kWh) 36 months	Contract Expiration	Incumbent Supplier
Lots 1, 2 and 3	<b>PWSA</b>	60,159,274	120,318,548	180,477,822	May '08	<b>Reliant</b>
	<b>Allegheny County</b>	24,341,688	48,683,376	73,025,064	May '08	<b>Duquesne Light</b>
	<b>SEA</b>	14,485,575	28,971,150	43,456,725	May '08	<b>Reliant</b>
	<b>Pittsburgh Zoo</b>	9,212,978	18,425,956	27,638,934	May '08	<b>First Energy</b>
	<b>City of Pittsburgh</b>	6,491,553	12,983,106	19,474,659	May '08	<b>Reliant</b>

# Online Bidding Results



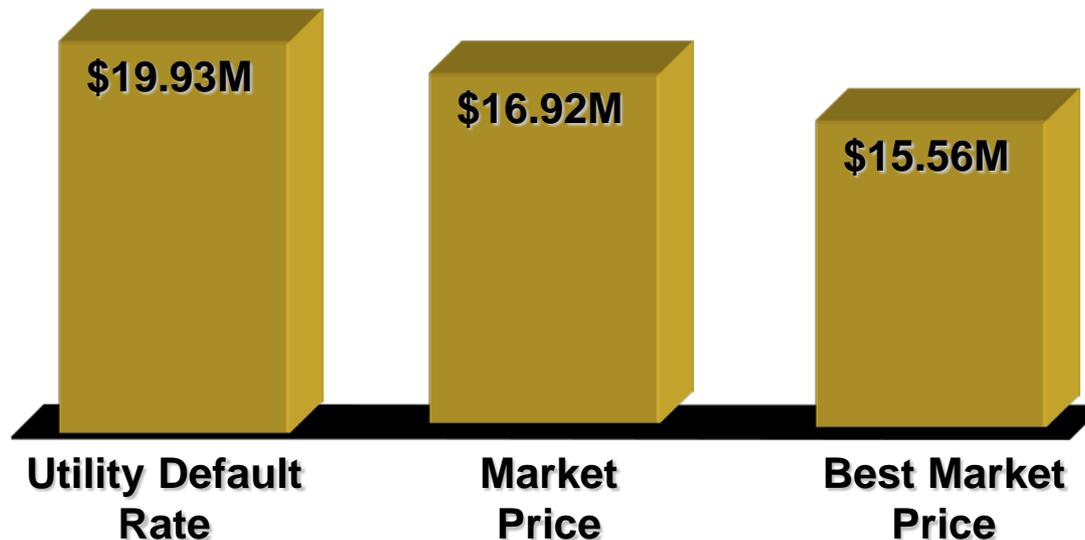
# Western PA Energy Aggregation Program

- Customer Details

- Historic County & City Joint Electricity Purchasing Initiative
- Contracted Volume: 230,000,000 kWhs (2 year agreement)
- Participating Entities: County of Allegheny, City of Pittsburgh, Pittsburgh Water and Sewer Authority, Pittsburgh Zoo and PPG Aquarium, and the Sports and Exhibition Authority
- 10% Green Energy (2X initial specification requirement)

- Results

- Implemented Savings: \$4.4M (Utility Default Rate to Best Market Price)
- Implemented Savings: \$1.4M (Market Price to Best Market Price)



# EPA Green Power Leadership Award

- In June 2009 the Western Pennsylvania Energy Consortium (WPEC) became a U.S. Environmental Protection Agency (EPA) Green Power Partner for our help to reduce the risks associated with climate change by supporting renewable energy technologies through our energy purchase.
- In September 2009 the WPEC was recognized by the EPA by receiving a Green Power Leadership Award at the 2009 Renewable Energy Markets Conference in Atlanta, GA



# Relation to Green Trust Fund

- The Western Pennsylvania Energy Consortium reduced the city's utility budget by several hundred thousand dollars a year.
- In 2008 we split the savings. Half went into the Green Trust Fund and the other half was returned to the General Fund. 100% of future savings is to be deposited annually into the Trust Fund.
- Set up through Legislation
  - How is money to be spent?
  - Who will manage funds?
  - Oversight
  - What constitutes Green?
  - The yearly budget is then reduced in future years by the full amount.