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

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

Best Market Price

24 month aggregation

$1,359,189
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)

<table>
<thead>
<tr>
<th></th>
<th>Utility Default Rate</th>
<th>Market Price</th>
<th>Best Market Price</th>
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<tr>
<td>$19.93M</td>
<td>$16.92M</td>
<td>$15.56M</td>
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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.