







Philadelphia, PA



### LNG Community Awareness Workshop

February 2, 2005







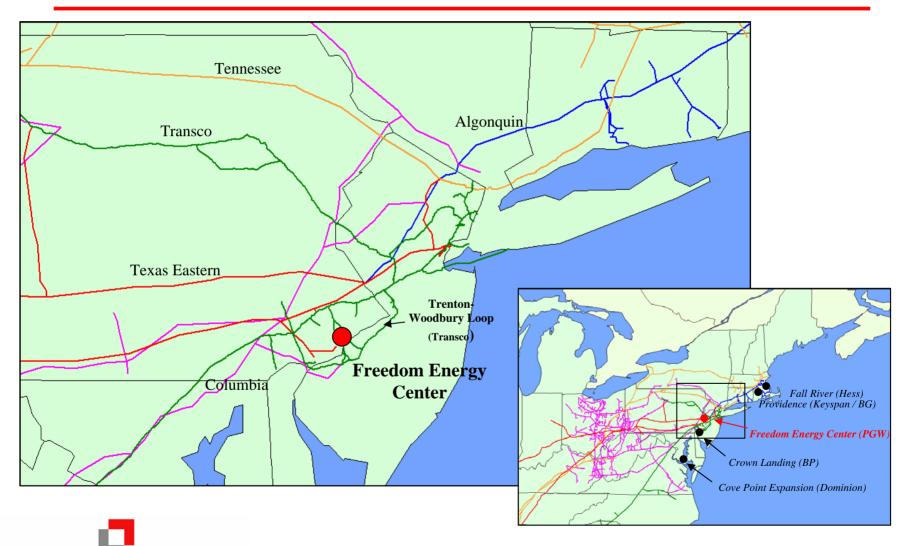
LUKENS ENERGY GROUP

# LNG imports are the cornerstone of PGW's Freedom Energy Center

- Lukens Energy Group Energy consulting firm; development advisor to PGW
- Philadelphia Gas Works
  - □ America's largest municipal gas company over 500,000 customers
  - □ Operator of North America's largest non-interstate peak-shaving facility
  - □ Objectives are supply security and economic development
- Freedom Energy Center
  - ☐ Enhancement of an existing LNG peak-shaving facility and brownfield property
  - □ LNG import terminal, electric generation, natural gas liquids
  - □ Part of Philadelphia's Delaware River redevelopment initiative
- Project Status
  - □ Project announced by Mayor John F. Street on November 15, 2004
  - □ Request for Proposals from interested developers concluded on January 28
  - ☐ RFP preceded by 17 months of commercial and technical feasibility and stakeholder communication



#### Port Richmond provides access to the northeast US market



### Port Richmond LNG (2004)

#### Continuous operation since 1970

Liquefaction
14 MMcf/d

Regasification: 380-600 MMcf/d

2 Bcf

2 Bcf

Low Pressure Distribution

Liquefaction 20 MMef/d

#### PGW Port Richmond LNG Facility (2004)

- 4 Bcf of Storage
- 380-600 MMcf/d of Regasification
- 40 MMcf/d of Liquefaction

Delaware River 40 feet

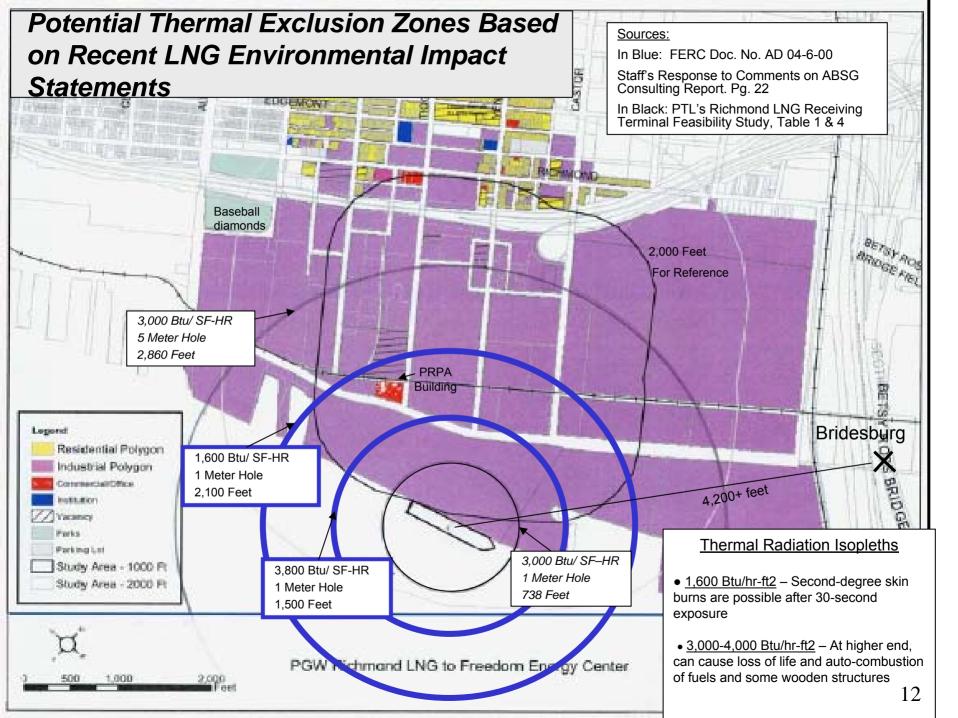
Tioga Marine Pier

3,300 feet

## Freedom is unique among all proposed LNG regasification terminals

- Public / Private sector cooperation
  - ☐ The City is the sponsor
  - □ Stakeholders are "shareholders"
- Existing facilities
  - ☐ Enviable track record safe, reliable operations for nearly 35 years
  - ☐ Industrial infrastructure gas, water, chemicals, and retired power generation
  - □ Adjacent to Port Authority pier with 40-foot water depths dredged to navigation channel
- Market location
  - □ Regional solution for growth, service flexibility
  - □ Rare access to and efficient utilization of pipeline grid in high cost transportation areas
  - □ Power generation fuel source in constrained transmission region of PJM grid
- Urban setting
  - □ Residential and commercial areas near to exclusion zones
  - □ Delaware River LNG ships will transit under four bridges, past an airport, and downtown Philadelphia and Camden
  - □ Delaware River is a minimum of 1700-feet wide and its ports serve a variety of energy tanker ships





# Communication – Success means you are part of the Community

- The public environment
  - ☐ Historic public apprehension about PGW
  - □ Working city economic challenges
  - □ It's Philly
- The approach
  - Engage good professionals
  - Proactive, personal meetings
  - □ Honest, patient communication and *education*
  - □ Consistent, factual message
  - Incremental development steps
- The layers of the audience multiple and overlapping constituencies
  - □ City the Mayor, City Council (17 members), and Philadelphia Gas Commission
  - □ Communities local papers, community leaders, focus groups
  - □ State the Governor, state senators and congressman, action groups, PUC
  - ☐ Media two daily newspapers
  - □ Federal Coast Guard, FERC Staff and Commissioners

