



# Microturbine Project

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Senior Advisor  
to the Chief Operating Officer

# Philadelphia Gas Works

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- Largest, municipally owned natural gas utility in the U.S.
- 500,000 customers
- 6,000 miles of distribution mains
- 3 LNG storage tanks – 4 BCF
- First responders
- 2008 & 2010  
APGA Sales and Marketing Award Recipient

# Combined Heat & Power (CHP)

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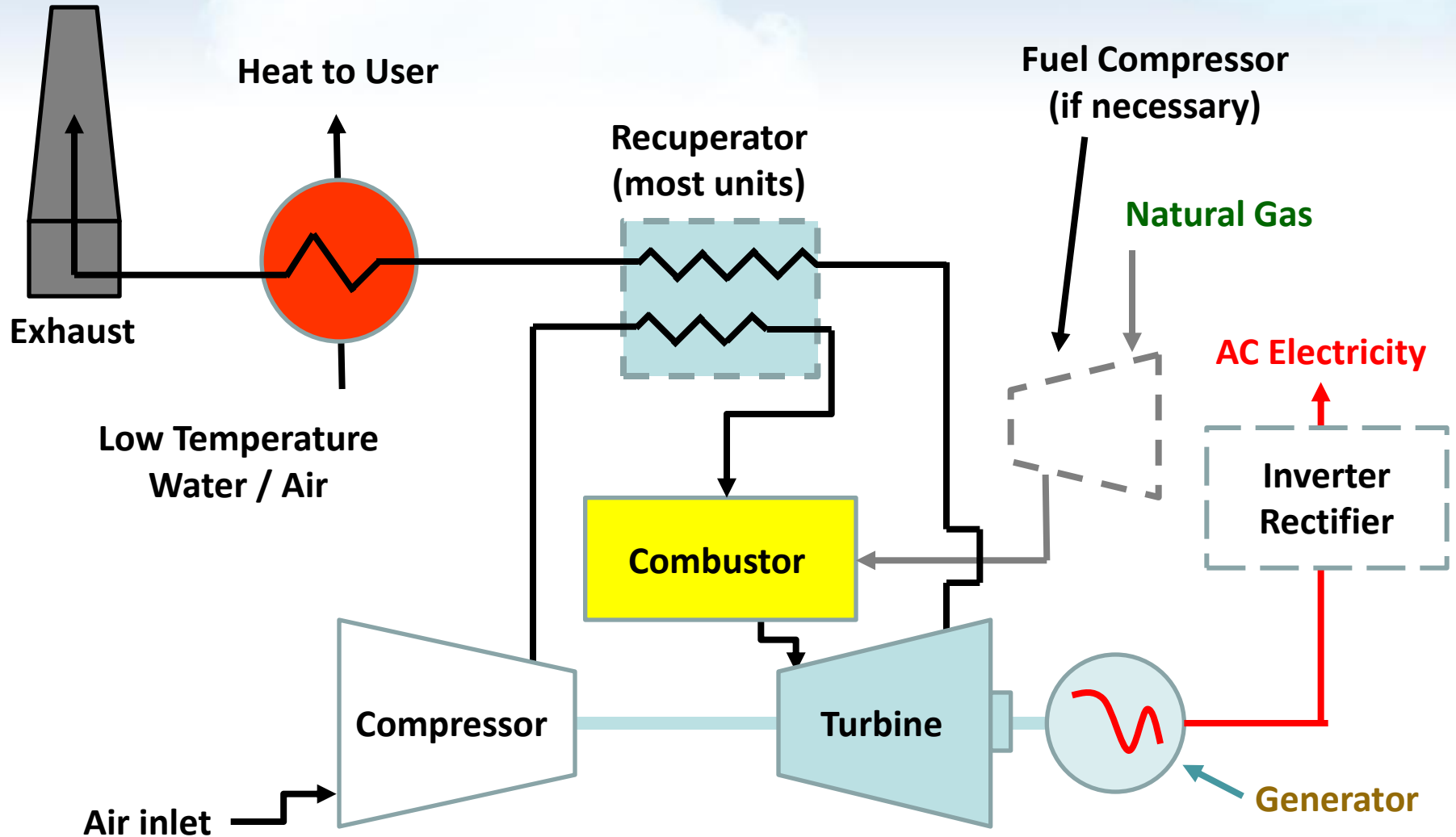
## Utility Benefits:

- Long term load additions
- Use of underutilized assets
- Environmental benefits  
(site vs. source/full fuel cycle)
- Added value to clients

## Client Benefits:

- Operating cost reductions
- Reduced carbon footprint
- Own the asset
- No capital costs
- Energy savings pays for the project
- Savings increase at the end of contract

# Schematic of a Microturbine System



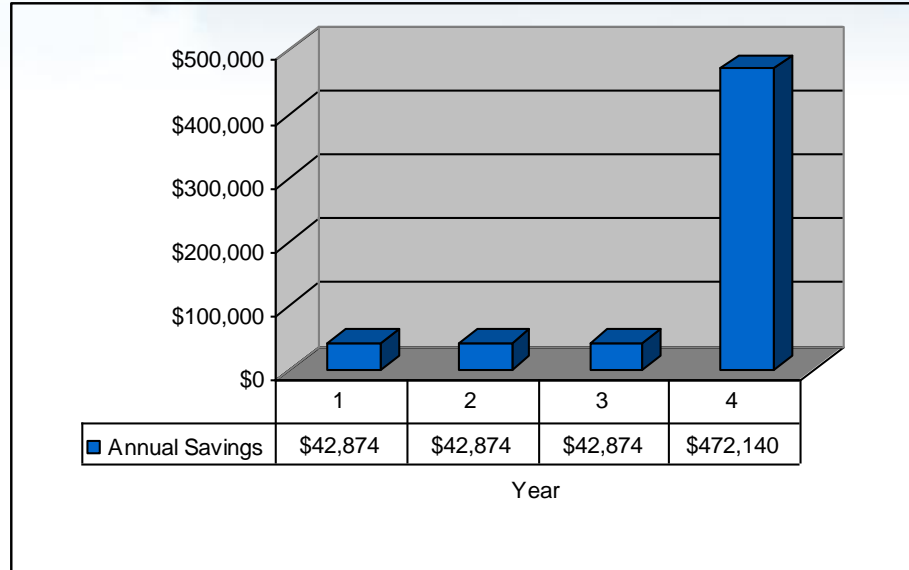
# PGW Leading by Example

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200kW Natural Gas Fired  
Microturbine Demonstration Project  
Installed at PGW's headquarters in North Philadelphia

# Four Seasons Hotel



# Recognizing PGW's Success

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Thank you!

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