

# **Natural Gas Interconnection of CHP Technologies**

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# NiSource Gas Distribution (NGD)

## COLUMBIA GAS OF MASSACHUSETTS

- Largest Gas Only LDC in Massachusetts
- ~300,000 Customers
- ~4,800 Miles of Pipe

## COLUMBIA GAS OF OHIO

- Largest LDC in Ohio
- ~1.4 Million Customers
- ~20,000 Miles of Pipe

## COLUMBIA GAS OF PENNSYLVANIA

- Third Largest LDC in Pennsylvania
- ~400,000+ Customers
- ~7,400 Miles of Pipe

## NIPSCO GAS

- Largest LDC in Indiana
- ~800,000 Customers
- ~17,000 Miles of Pipe

## COLUMBIA GAS OF MARYLAND

- Complementary to PA Operations
- ~33,000 Customers
- ~750 Miles of Pipe

## COLUMBIA GAS OF KENTUCKY

- Second Largest Gas-Only LDC in Kentucky
- 140,000 Customers
- ~2,600 Miles of Pipe

## COLUMBIA GAS OF VIRGINIA

- Third Largest LDC in Virginia
- ~250,000 Customers
- ~5,000 Miles of Pipe

**Growing our customer base and business**

# Basic CHP Project Information Needed – Natural Gas

- Project site location
- Project natural gas load; cubic feet per hour & per year (or million BTU per hour & year)
- What is the nature of the gas load operations (i.e., continuous, intermittent)
- Required natural gas delivery pressure
- When is natural gas service desired; month & year

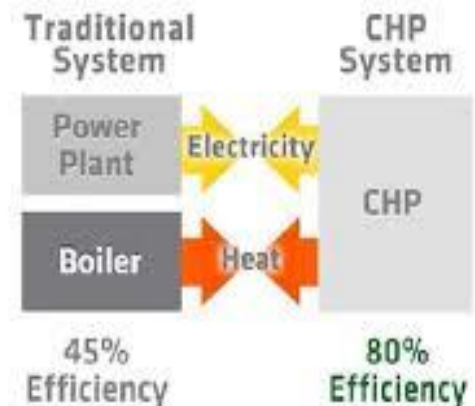


# CHP Project Awareness – The Earlier the Better

- **Involve the Gas Company at the initial evaluation stages**
- **Generally takes several weeks or more to analyze the natural gas systems to provide preliminary project guidance**
- **If project involves significant construction to serve CHP project, the total time line can be between one year upwards of three years**
- **Considerable activities involved in major gas pipeline construction projects**



Combined Heat & Power (CHP)



# Major Gas Facilities Construction Activities

- Design the gas facilities
- Various state, local, and perhaps federal regulatory and permitting requirements
- Bidding of the project
- Acquisition of land easements and right of ways
- Actual construction of the project



# Whom to contact – Natural Gas Deregulation

- **Columbia New Business Team 800-440-6111**
- **Your Columbia Account Manager**
- **Your local Gas Utility Business Liaison**
- **Gas Deregulation & Gas Pricing**



# Summary

# Thank You