

## PNG – Inspections Relations

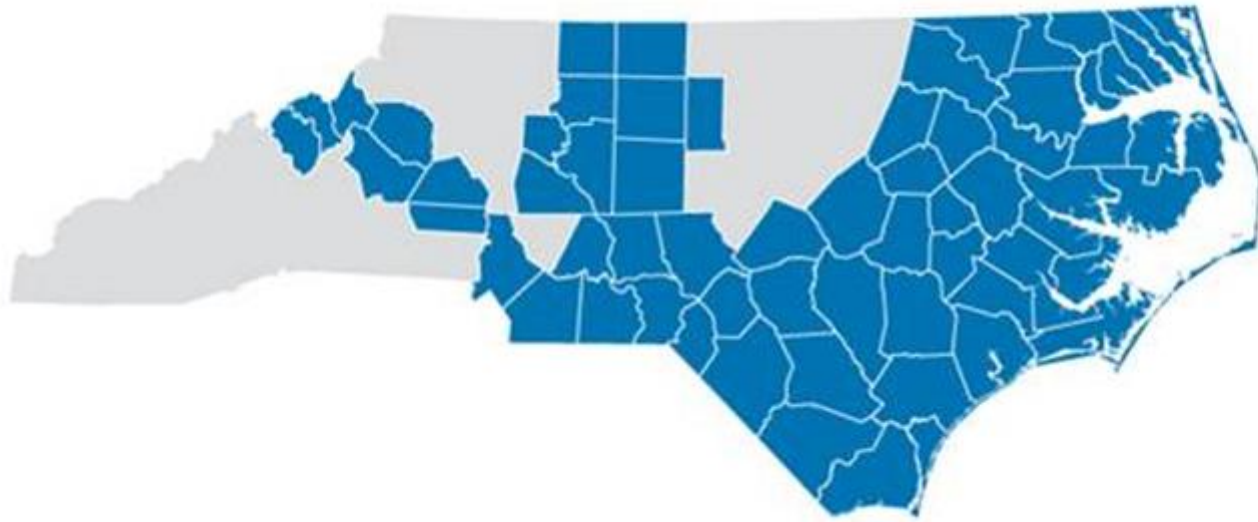


# Agenda

- Introduction and Kick off
- About Piedmont
- Timing-Planning
- Builder Portal
- Townhomes & Multi-Family
- Meter Locations & Clearances
- Rebates
- Request 2023-24 Forecast
- Tech Centers
- Site to Source



# North Carolina Service Territory



# PNG Fayetteville Area – Inspection Relations

## Regional Team



## Sales Team

**Carl Paquet**

PNG Sales Manager

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**Jennifer McNeill**

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**Antonio Richardson**

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## Operations Team

**Jeff Klein**

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**Aaron Murray**

Construction Manager

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**Mike Sealey**

Construction Supervisor

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**Marcia Tillman-Bookhart**

Supervisor Gas Field Operations

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**Marty Marler**

Supervisor Gas Field Operations

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Office 910-321-2939

# PNG Fayetteville Area - Inspections Relations

## Cumberland County PNG Sales Contacts by Market

- **Residential Market**  
Jennifer McNeill
- **Commercial Market**  
Antonio Richardson

# PNG – Inspector Relations

## Project Phases From Developer to Builder



Development Stage

- 1) Design (12 Months Prior to Construction)  
(Contact PNG Sales Representative)
- 2) Design/Pre-Construction (9-12 months prior to Construction)  
(Agreement Signed)
- 3) Encroachments & Permitting  
(6-8 months prior to Construction)

Builder Stage

- 4) Gas Main Construction Scheduled  
(8-12 Weeks from Need & Other Undergrounds Installed)
- 5) Gas Underground Service Line Construction to Home  
(6-8 Weeks from Need & Min. of 1 Week to Closing)
- 6) Meter Sets  
(Allow 2-3 Days for Scheduling)

# PNG – Inspector Relations

## Design (12 Months Prior to Construction)

### Development Stage

- Need all necessary plans to complete our design 12 months in advance to Construction.
- Approved Site Plan –
  - Please provide a georeferenced AutoCAD file [State Plane NAD 1983 (US Feet)] with the following layers: • Proposed lot lines • Proposed street centerlines and street names • Proposed rights-of-way • Proposed street edge (optional) • Proposed and existing sewer and water utilities
- Phasing & Lots identified.
- Underground Utility Plans provided to PNG.
- Elevations (Townhomes & Other Multi-Family) provided to PNG.
- Proposed Meter Locations (Townhomes) designated.
- Minimum Gas Equipment to be installed provided to PNG
- Average square footage of homes.
- Any design changes need to be immediately communicated.
- **Primary Contact is PNG Sales Representative**



# PNG – Inspector Relations

Design/Pre-Construction (9-12 months prior to Construction)

## Development Stage

- PNG completes & approves design.
- Costs, if any, are determined.
- Agreements are prepared for customer signature.
- Easement prepared, if required.
- Underground utilities discussed.
- Any design changes need to be immediately communicated.
- **Primary Contact PNG Sales Representative & PNG Distribution Project Specialist (DPS)**





# PNG – Inspector Relations

## Gas Underground Main Construction (6-8 months prior to Construction) Developer/Builder Stage

### Agreements

- Signed Agreement Required before scheduling.
- **Provide Project Contact Information to PNG**
- Signed Easement received, if required.
- Encroachments and other permits are requested.
- Need Dates confirmed/updated.
- Other underground utilities installed before our facilities.
- Locates
- Clear path along street.
- Curb and gutter installed or identified.
- **Primary Contact transitioning from PNG to Contract Partner**
- **Contract Partner contact information to be provided by PNG Sales Rep**
- **Construction Issues/Concerns contact PNG DPS.**



# PNG Underground Contract Partner

**Southeast North Carolina  
PNG Contract Partner**

**SEC Construction**

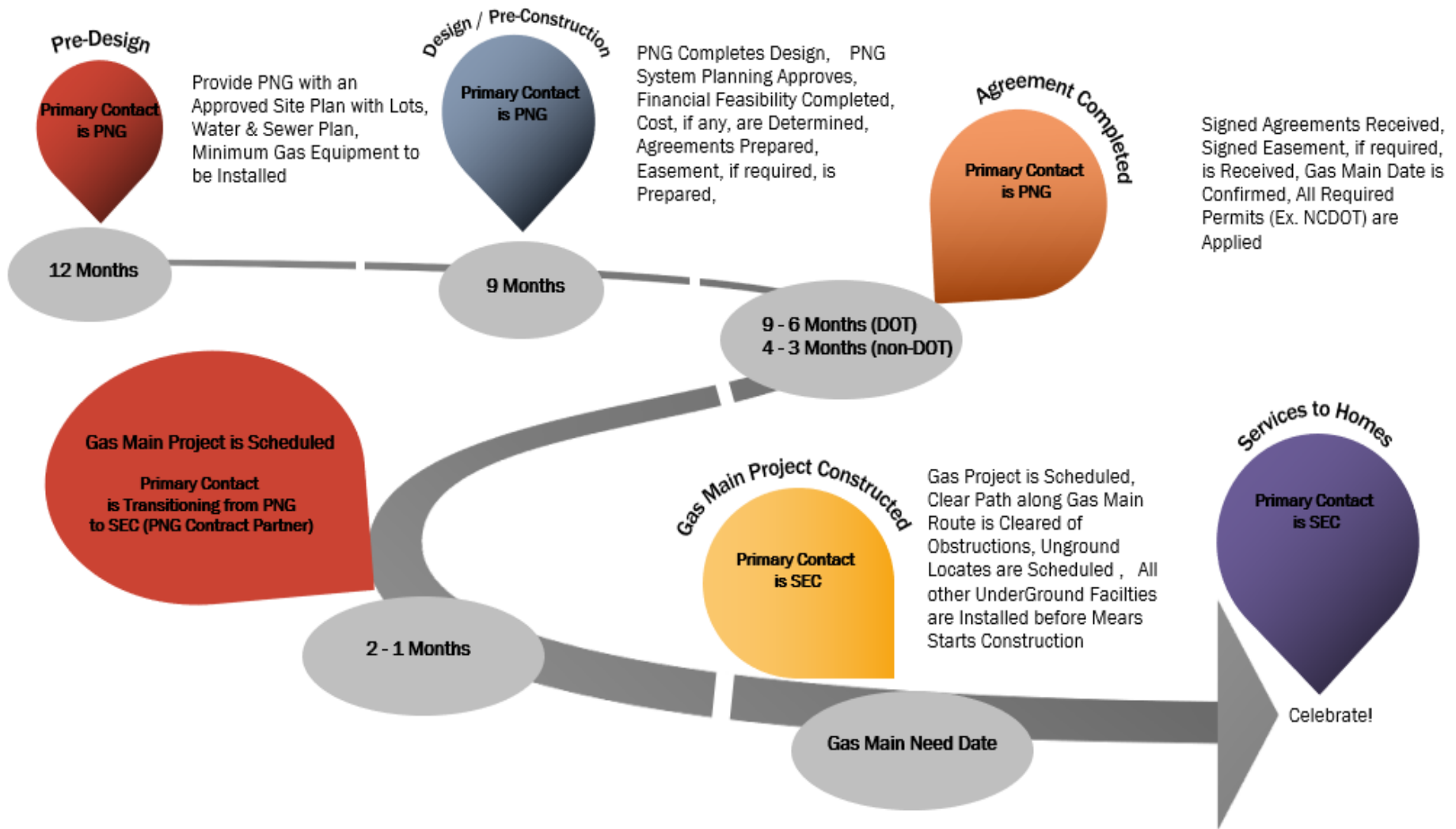
# PNG – Inspector Relations

## Gas Underground Service Line Construction Builder Stage

- Enter online order 6-8 weeks prior to Need Date.  
**Enter order at Foundation Stage**  
(If Any Issues, Contact PNG Sales Representative)
- Receive Order Confirmation
- Provide Site Contact Information on your Order
- **Site at 6" to Final Grade**
- Clear path from street to home (meter location) required
- Meter/Regulator must have a three-foot clearance from other utilities, windows & doors, crawl space vents, condensing units, electrical outlets.
- Ten-foot clearance from any in-take air vents.
- **Primary Contact for the Service Installation is the PNG Contract Partner.**



# Gas Main Installation Timeline

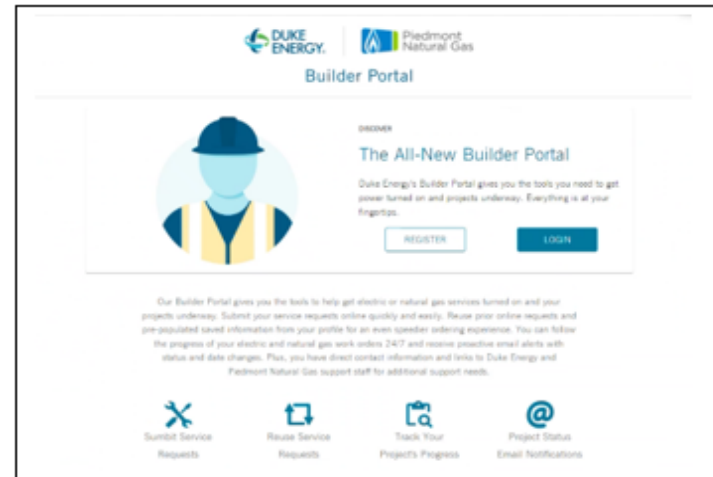


# PNG – Inspector Relations

## Coming Soon! Duke Energy & Piedmont Natural Gas Builder Portal

### What is the New Duke/NGBU Builder Portal?

Duke Energy's Builder Portal gives builders the tools they need to get electric and/or gas services turned on and their projects underway by submitting service requests online quickly and easily. We have partnered with the existing Duke Energy website to create a place where builders can request both electric and gas service.



### What are the benefits?

The benefit of having a unified place is it allow you to reuse a profile of online requests and provides a pre-population of saved information from your profile now speeding up the ordering experience. As the builder you can follow the progress of both your electric and gas work orders 24/7 and receive proactive email alerts as to key status and date changes for their orders. Plus, you will have direct contact information and links to support staff at Duke Energy and Piedmont Natural Gas at your fingertips for any additional support needs.

### What will I need to do for the change?

- You will need to create a **NEW** profile on the site so we can retain your information for future use and tracking functionalities.
- Even if you currently have a Duke Energy electric service profile, you will need to create a **NEW** profile for requesting gas service.
- Each person (in your business) will have to **have their OWN profile**, but everyone will have visibility to search their requests by Service Location, Work Order Number or Site contact email.

### Who do I contact if I have questions?

For questions about upcoming release of Builder Portal, please reach out to your current sales representative.

# Meter/Regulator Clearances

## Regulator relief vent clearances from building features

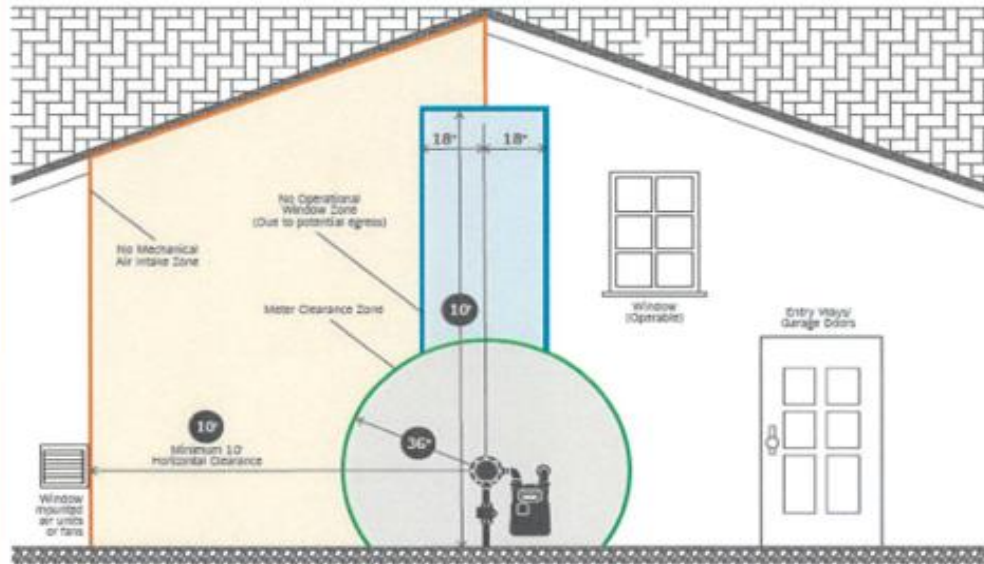
### Meter Clearance Zone. No openings or ignition sources allowed. (Including but not limited to ...)

- Air conditioners
- Attic vent fans
- Bathroom vent fans
- BBQ grills
- Communications box
- Crawl space vents
- Dryer exhausts
- Electric disconnects
- Electric meters
- Electric wall switches
- Electrical outlets
- Entrance/exit doors
- Fireplace cleanouts
- Garage doors
- Heat pumps
- Power disconnect boxes
- Soffit vent openings
- Windows (operable)
- Furnace & Water Heater direct vents/ intakes

### No Operational Window Zone. No Operational Windows allowed. (Due to potential egress)

### No Mechanical Air Intake Zone. No fan assisted air intakes allowed. (Including but not limited to ...)

- Mechanical (fan-assisted) air intake
- Window mounted Fans
- Window Mounted air units



Note 1: Clearances of 3 feet can be reduced to 18 inches for certified electrical devices or equipment designed for NEC Class 1 division 2 locations.

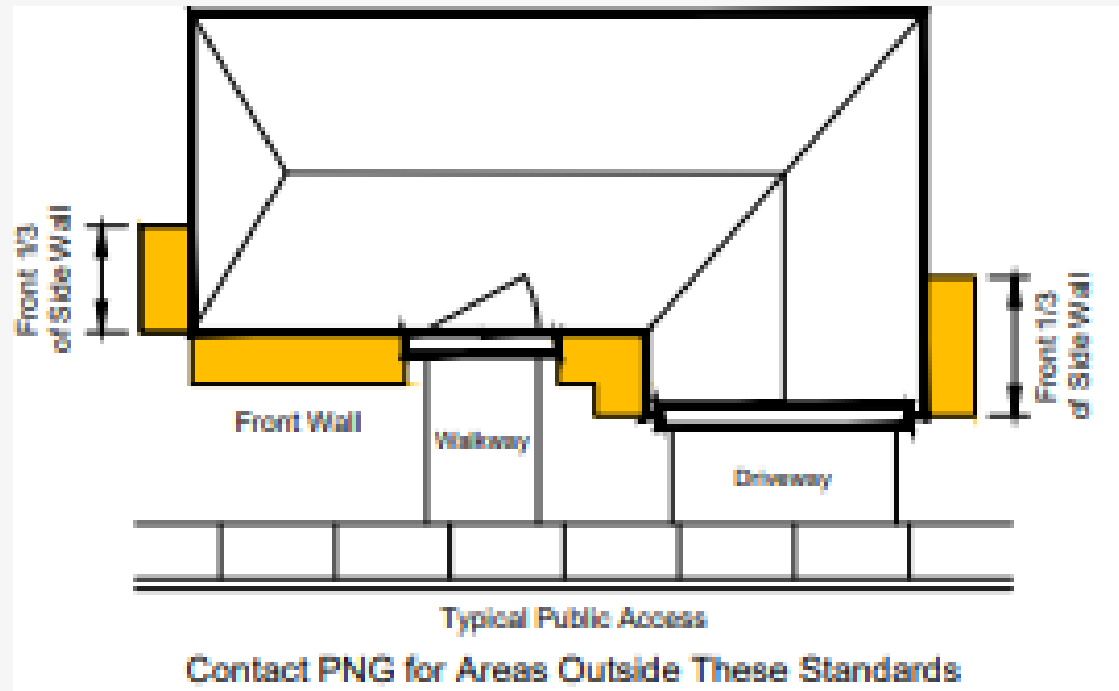
Note 2: Clearance requirements apply to any service line with a "pop it relief."

Note 3: In the event an alternative method is used, an operable window is still not allowed in the "No Operational Window Zone."

# Preferred Gas Meter Locations (Single Family Homes)

Locate gas meter on the front wall, or within the front 1/3 of the side wall observing corner clearance requirements detailed below:

Meter Set Area must have clearances free of any landscaping and other structures that restrict access to the meter set assembly (3 feet in front and 2 feet on both sides of the meter set assembly).

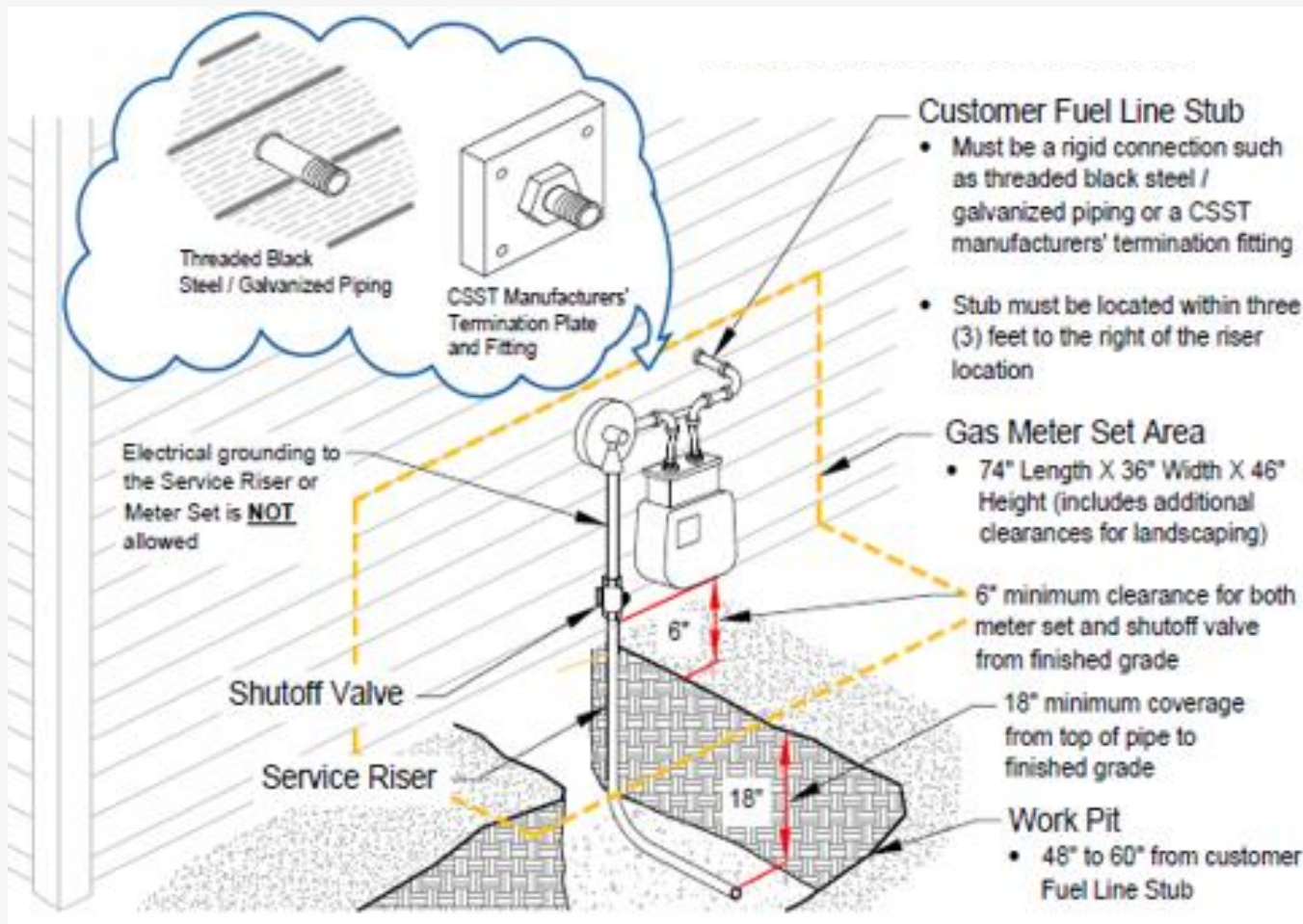


## Builder / Owner / Developer Requirements

- Piedmont Natural Gas (PNG) reserves the right to designate gas meter locations so that they comply with PNG standards.
- If you are unable to meet these meter location requirements, contact PNG for further assistance.
- When feasible, final grade of the service line route should be in place before the service line can be installed.
- The clearances in these diagrams also apply to features on adjacent buildings where the gas meter is located.

Contact Piedmont Natural Gas Sales Department (1-877-279-3636) or visit [piedmontng.com](http://piedmontng.com) for more information.

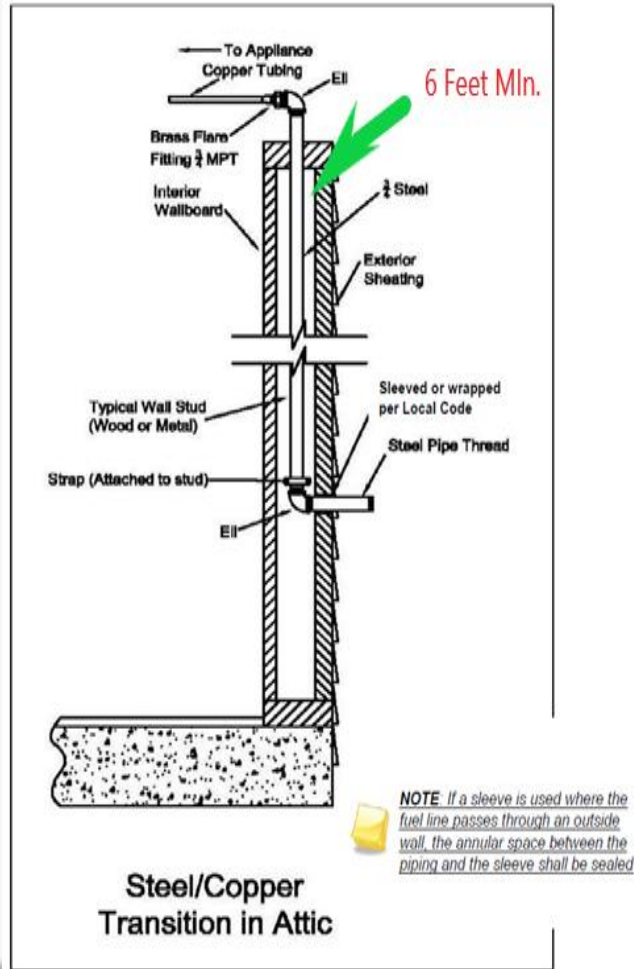
# Gas Meter Sets & Piping



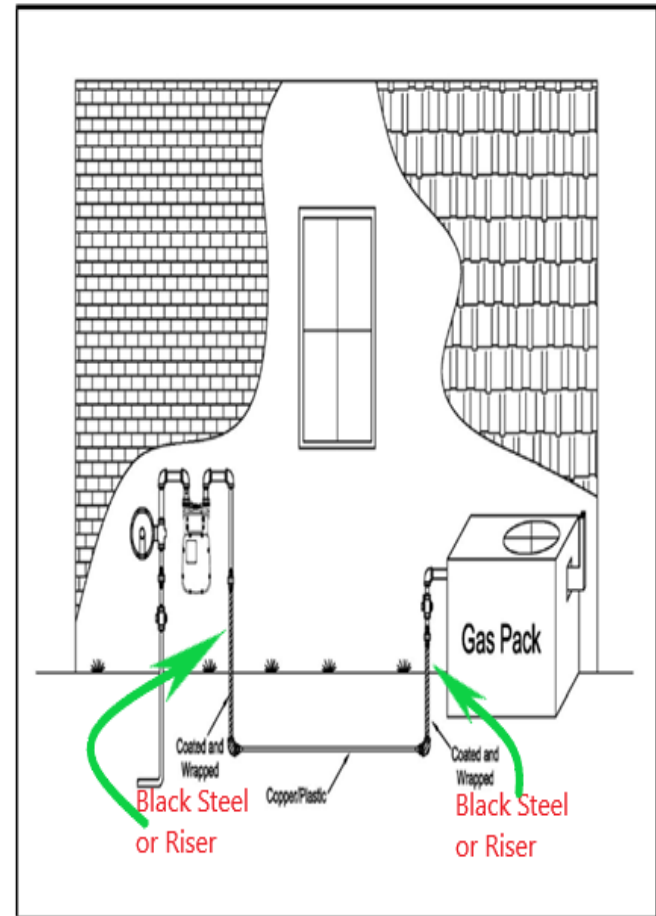


# Gas Meter Sets & Piping

Appendix C: Customer Owned Piping Transition in Attic to Steel



Appendix D: Below Ground Customer Owned Piping Transition (Copper/Plastic)



# Meter Set Clearance Issues Examples



- Vent over gas service riser
- Condensing Unit clearance to riser not met.



# Gas House Piping Issues

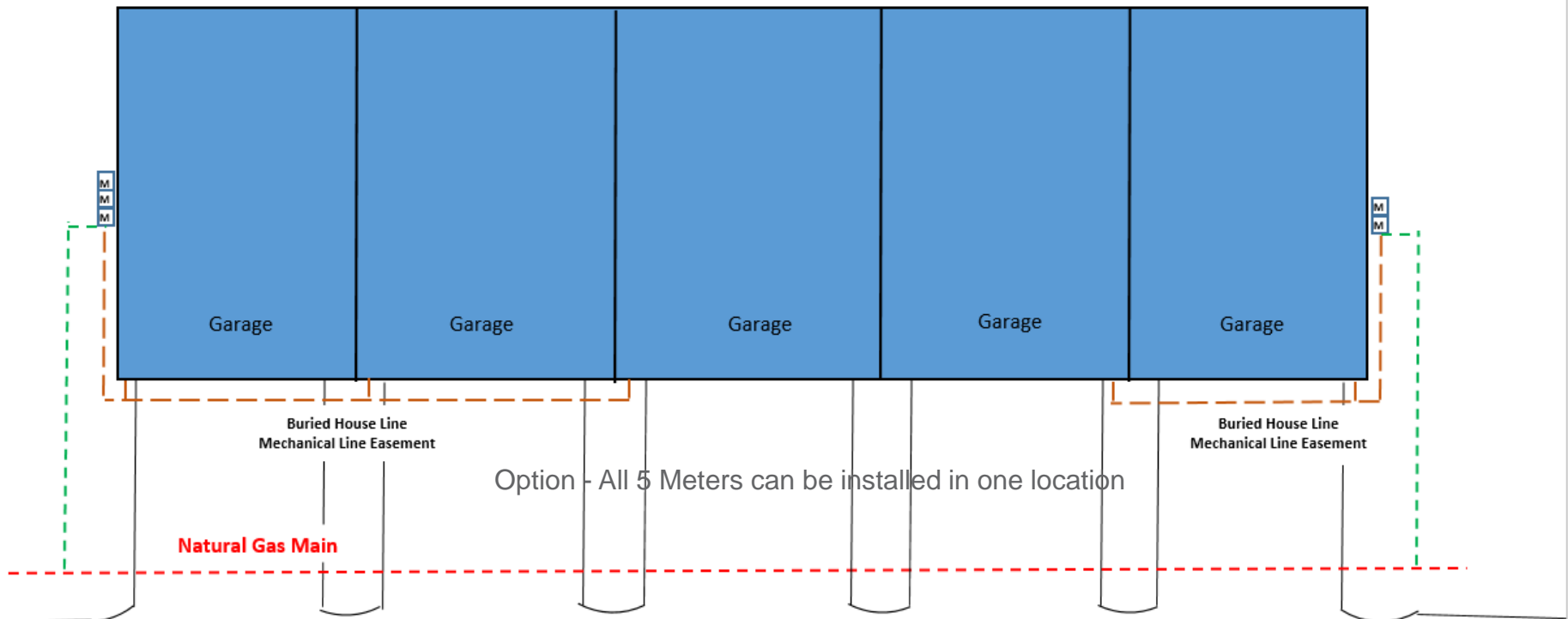


- Flex piping can not be used for meter set tie-in
- Gas house piping stub out should be approx. 2½ to the right of the riser.

# Townhomes

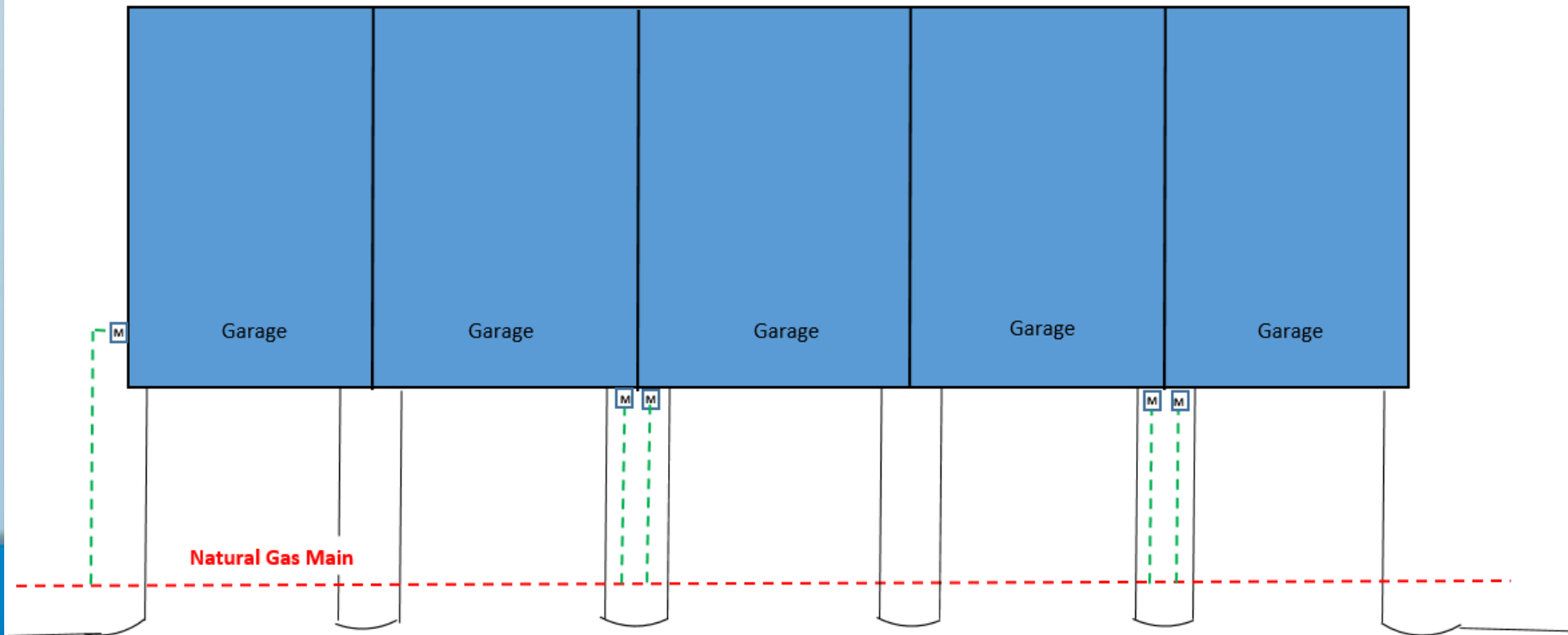
Townhouse (5 Unit with Manifold)

Preferred Natural Gas Service & Meter Locations



# Townhomes

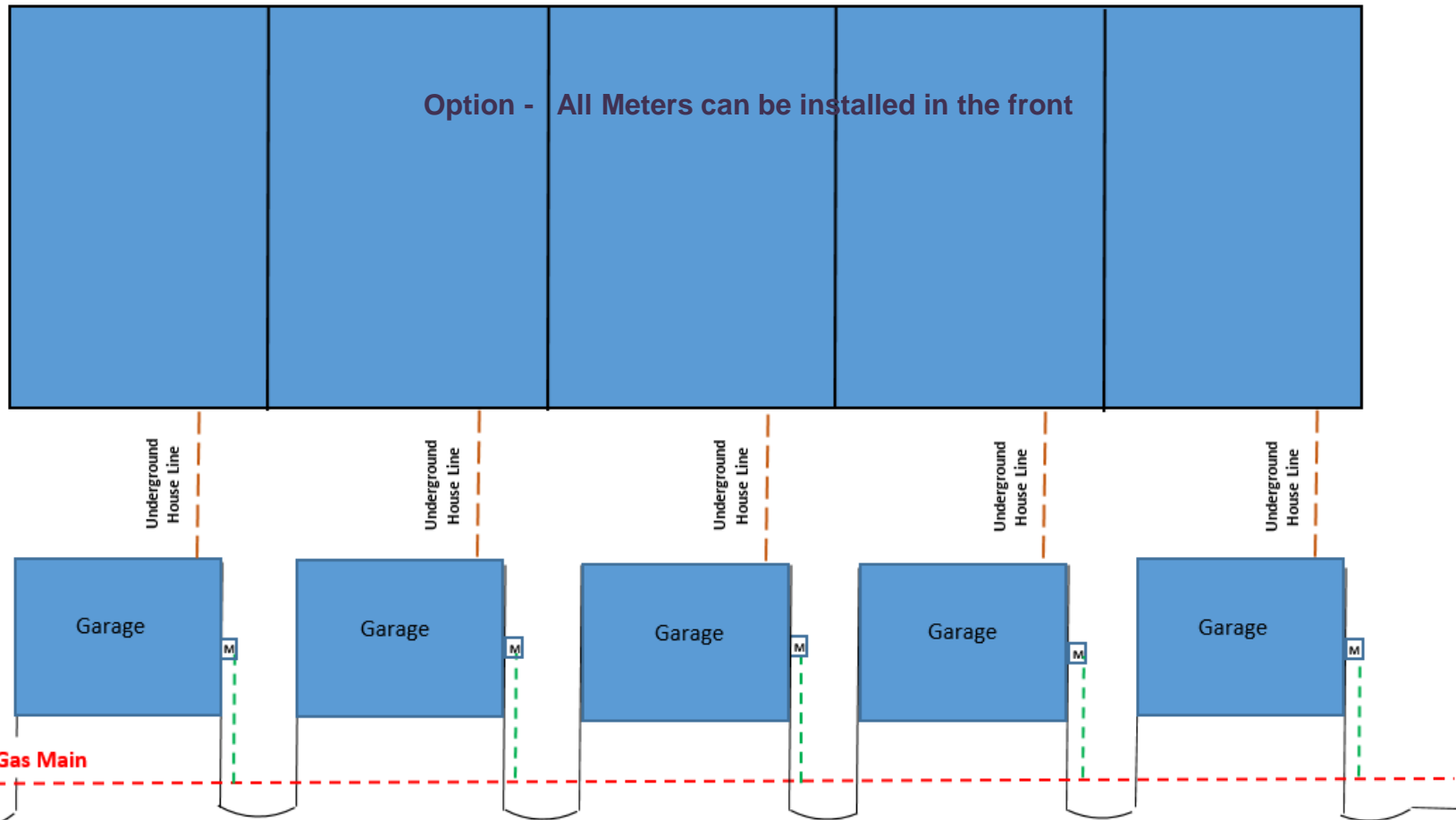
Townhouse with Attached Garage  
Preferred Natural Gas Service & Meter Locations



# Townhomes

Townhouse with Detached Garage

Preferred Natural Gas Service & Meter Locations



# Builder Rebates – North Carolina Only






To find out more information, visit [piedmontng.com/BuilderRebates](http://piedmontng.com/BuilderRebates), call **800.951.9923**, or email us at [save-energy@piedmontng.com](mailto:save-energy@piedmontng.com)

## Save with an efficient build.

We offer several **rebates for single-family residential builders** to help offset the cost of building more energy-efficient homes. Install natural gas furnaces, water heaters and more to take advantage of savings.

### HOW IT WORKS:

-  **Choose** to participate in one of two types of incentives — the whole house (HERO) or equipment incentives.
-  **Complete** the appropriate application for the option chosen and submit with the applicable supporting documentation.
-  **Receive** your incentive payment.

### QUALIFYING UPGRADES AND REBATE AMOUNTS

#### Option #1 - Whole House HERO

 HERO (above energy code)	<b>\$500</b> (HERO Code, requires 90% AFUE furnace installed)
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#### Option #2 - Prescriptive Equipment Incentives

 Natural Gas Furnace	<b>\$225</b> (AFUE 95% or higher)
 Natural Gas Storage Water Heater	<b>\$75</b> (UEF 0.67 or higher)
 Natural Gas Tankless Water Heater	<b>\$200</b> (UEF 0.92 or higher)
 Natural Gas Condensing Storage Water Heater	<b>\$200</b> (UEF 0.80 or higher)
 Smart Thermostat (ENERGY STAR certified)	<b>\$50</b> (95% AFUE furnace required)



# Service Plus Products & Services

## Products

- Tank Water Heaters
- Tankless Water Heaters
- Gas Logs
- Gas Grills
- Gas Lights
- Fuel Lines
- Natural Gas Generators
- Repair Plans



## Services

- Gas Appliance Installation and Service
  - Water Heaters (Tank or Tankless)
  - Grills
  - Lights
  - Logs
- Gas Appliance Installation Only
  - Ranges
  - Dryers
  - Generators (Fuel Line Only)
  - Pool Heaters (Fuel Line Only)
- Fuel Lines
  - Residential
  - Commercial
  - Industrial
- System Integrity Surveys



# PNG – Inspector Relations

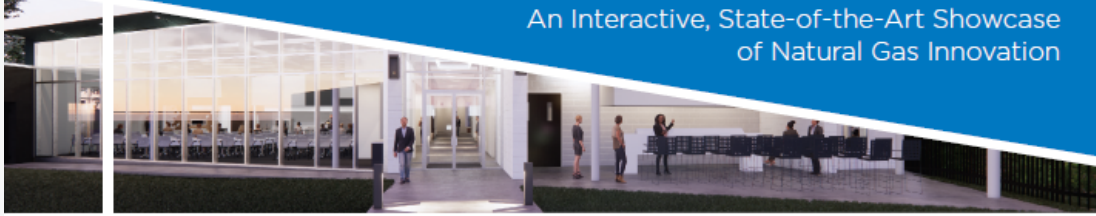
## Meter Sets Builder Stage

- Passed Final Mechanical Inspection required.  
*Cumberland County – Currently passed at CO Stage*
- Gas equipment must be connected.
- Gas equipment regulators must be installed.
- Call 800-752-7504 to schedule meter set.  
*You may also call your Sales Representative*
- Confirm BTU Load & Delivery Pressure
- Typically, 2-4 days before a meter set can be scheduled.  
*Please allow more time around Holidays*



# Piedmont Natural Gas Technology & Design Center

An Interactive, State-of-the-Art Showcase of Natural Gas Innovation



The Piedmont Natural Gas Technology & Design Center in Charlotte, NC, offers a world-class, 'try-before-you-buy-or-build' experience with natural gas innovation, performance and equipment. This modern natural gas commercial kitchen and outdoor living solution showcase is the premier commercial and residential resource for testing and comparing natural gas applications.



## Our Purpose

As the first-of-its-magnitude facility, the Technology & Design Center displays indoor and outdoor natural gas appliances on which businesses may test, train and develop innovative kitchen concepts. The Center features over 16 different natural gas applications and 77 natural gas appliances, representing more than 15 different manufacturers. Here you can see the latest advances in natural gas performance, equipment and appliances within 16,000 square feet of indoor commercial and residential displays and 5,000 square feet of outdoor plaza and pavilion work spaces.



**16**  
applications



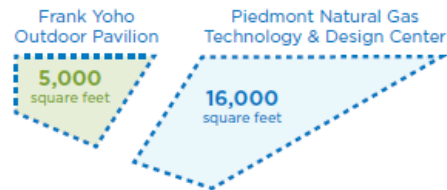
**77**  
appliances



**15+**  
manufacturers

The Technology & Design Center brings a nationally unique, contemporary, environmentally friendly collaboration of innovative and resource-efficient design, materials, equipment, learning and technologies to the Charlotte area. It models the latest in natural gas efficiency, energy consumption and usage in commercial and residential environments.

The Center spotlights a cooperative commitment of a vast network of manufacturer brands that have been invaluable in building this world-class showcase of natural gas applications. In doing so, they have each bolstered their reputation for brand excellence through involvement in the collaboration.



From hospitality to home ownership, the Technology & Design Center aims to be the driving force behind our customers' success, helping you make the most informed, energy-wise purchasing decisions. Save time, energy and money by utilizing one of the most efficient commercial and residential energy sources - natural gas.

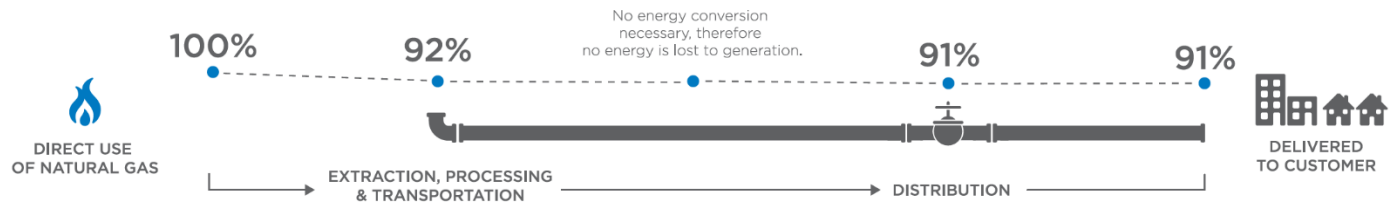


## Piedmont Technology and Design Center

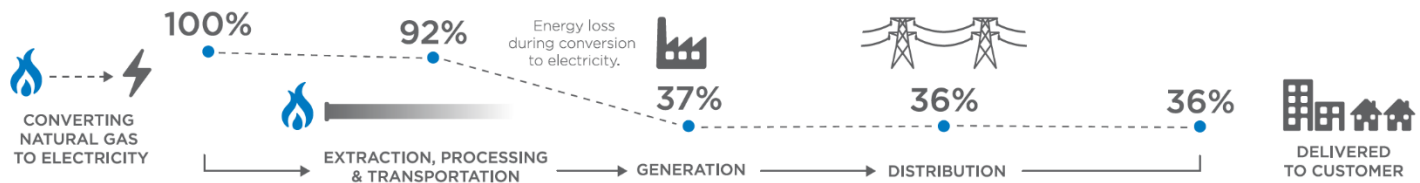
### Charlotte Area



# Site to Source Efficiency Production to Customer



The natural gas delivery system is 91% efficient from production to customer.



**Electric only 36%**

# PNG - Inspector Relations

Thank You