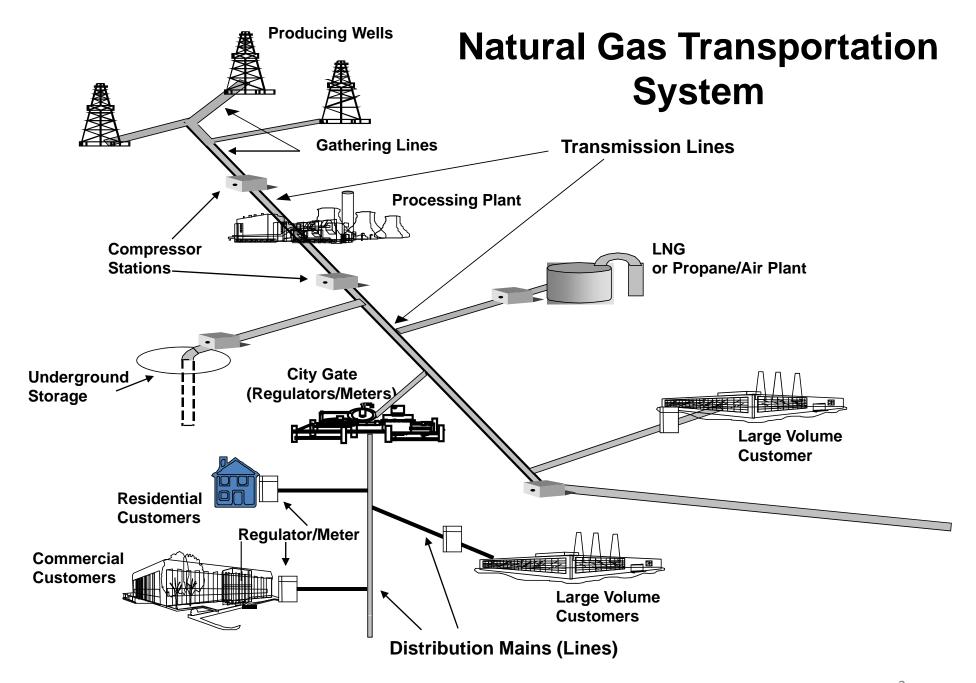


Relationship Between Natural Gas Supply, Transportation and Distribution Companies

Cynthia H. McCarran
Chief, Gas Policy and Supply/Office of Electric, Gas and Water
New York State Department of Public Service
Cynthia_Mccarran@dps.state.ny.us

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Natural Gas Supply

- Deregulated in 1985
- Price information NYMEX benchmark
- Supply is developed by major companies like Exxon Mobil and by much smaller companies
- According to the US Natural Gas Supply Association, there are almost 8,000 companies producing natural gas in the US
- Trading of natural gas is done at liquid points or hubs such as the Henry Hub in Louisiana
- The difference between the price of gas at a liquid or trading point and the market price of gas at a LDC citygate is called the "basis differential"



Natural Gas Interstate Transportation

- Regulated by FERC under the Natural Gas Act, which was enacted in 1938 to regulate the interstate pipeline transportation and sales of natural gas
 - Section 3 provides for the exportation or importation of natural gas
 - Section 4 provides for pipeline companies to file for rate increases
 - Section 5 provides for complaints to be filed on pipeline companies' rates or practices



FERC Rate Cases

Section 4

- Pipeline company files a rate increase request
- After a 5 month suspension period the rate increase goes into effect, subject to refund
- No statutory period in which FERC must act can take years to resolve



FERC Rate Cases (Cont'd)

- Section 5
 - Complaint can be filed by a party if it feels a pipeline company is over-earning
 - Any decrease found to be warranted is only prospective from the time of the FERC determination
 - No statutory period creates an incentive for the pipeline company to extend the process



FERC Rate Cases (Cont'd)

- Issues in FERC rate cases are similar to the issues the states address in LDC rate cases
 - Cost allocation and rate design straight fixed variable (SFV)
 - Return on equity
 - Cost of service depreciation, operations and maintenance expense, allocation to/from affiliates
- In the past, pipeline rate cases had been the major portion of the Federal intervention work
- Multi-year stay-outs have dramatically decreased rate cases being filed



Interstate Pipeline Expansion Proceedings

- Application filed
- Need and rate review paper proceedings
- Environmental review including routing issues; public opposition can add years of delay
- Issuance of Certificate
- Pipeline must show need for the project, projects must support themselves without subsidization from existing ratepayers



US Department of Transportation

- The US Department of Transportation has exclusive responsibility for safety regulations of interstate pipeline facilities through its Pipeline and Hazardous Materials Safety Administration
- It delegates safety regulation of intrastate pipeline facilities to states that meet its criteria
- Funding up to 80% of state program costs based on how much funding the state provides and the state's performance

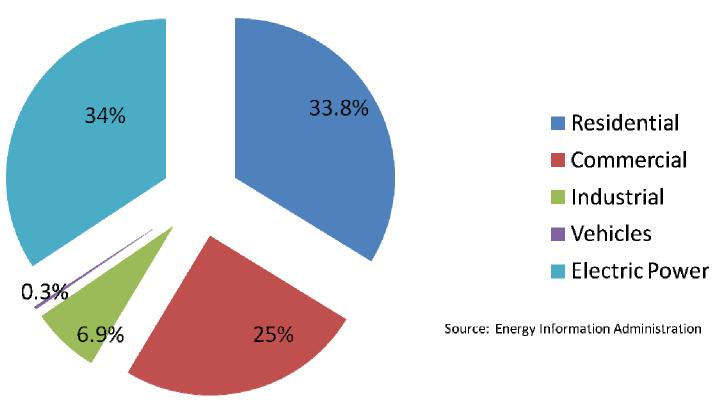


Natural Gas Distribution

 Regulated by the states, including the New York State PSC

New York State Natural Gas Consumption by Sector

2008 Consumption



New York State Gas Industry Major Components of Natural Gas Tariffs

- Delivery Charge (set by the Commission)
 - Reflects the costs of moving the gas from the citygate (interconnection with interstate pipeline company) to customer's meter
- Gas Supply Charge
 - Adjusted monthly and reconciled annually
 - Reflects the costs of gas supplies (commodity and capacity) purchased from suppliers or from local producers
 - Commodity price is set by the marketplace; utilities use hedging instruments to moderate price volatility
 - Includes the price for interstate pipeline capacity which is established under tariffs approved by FERC

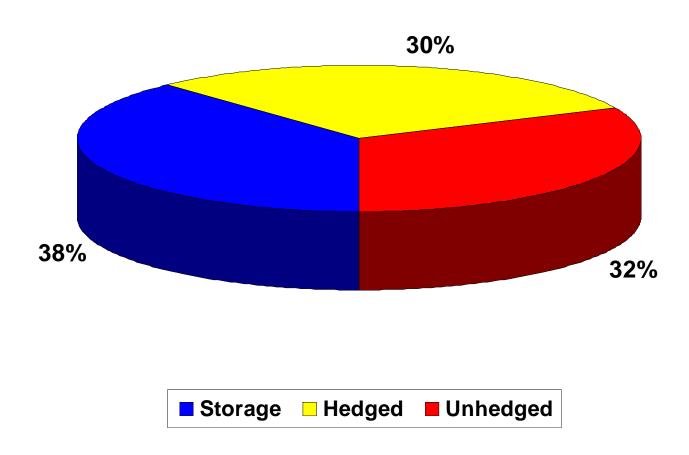
New York State Gas Industry Major Components of Natural Gas Tariffs (Cont'd)

- Other Rate Components
 - Weather Normalization Clause used to normalize revenue stream to utility during colder or warmer weather
 - Standby Service back-up commodity supply service provided to transportation customers as needed
 - Revenue Decoupling Mechanism used to guarantee revenue stream so that utility will be indifferent to customer conservation

Policy Statement Concerning Gas Purchasing Practices

- Purpose: to provide diversity in acquisitions and to defuse price spikes and valleys for gas supplies
- Compliance:
 - LDCs need to develop an acquisition strategy to include a mix of purchase options with a view toward fostering supply reliability and price stability
 - Reducing Gas Price Volatility
 - Setting prices for future deliveries to protect against significant price fluctuations (hedging)
 - Storage inventories to provide a natural hedge
 - A portion of flowing gas is hedged either through a physical hedge or a financial hedge

Typical Winter Supply Portfolio



Open Access/Retail Markets

- All gas customers in New York State have the ability to purchase their gas supply from the utility or from the supplier of their choice, known as ESCOs
- Instituted in late 1996
- The latest data (January 2010) indicates that about 17% of natural gas customers have migrated to ESCOs, or about 44% of total volumes



Gas Transportation Operating Procedures

- New York LDCs are required to file Gas
 Transportation Operation Procedures which
 govern interactions between them and energy
 service companies (ESCOs) providing gas
 supply to LDC customers
 - Changes must be filed 30 days before they become effective
 - Parties can comment during that period

Balancing Market

- Balancing is a service which follows actual natural gas load and meets its fluctuations to ensure pipeline pressures and reliability are maintained
- Balancing for smaller customers is done by the utility
- Larger customers and electric generators can purchase balancing services from the LDC or from another entity such as a ESCO or pipeline
- LDCs use swing services from pipelines with storage facilities to balance, or they use LNG/LPG (liquefied petroleum gas or propane) facilities

New York State Gas Industry Major Customer Groups

- Sales Customers
 - Purchase both delivery and gas supply service from the local distribution company (LDC)
 - Generally residential and small commercial customers
- Transportation Customers
 - Purchase delivery service from the LDC
 - Purchase gas supply from a third party and have it delivered to the citygate for re-delivery by the LDC to the customer
 - Large commercial and industrial customers have taken transportation service since 1985
 - Smaller commercial and residential loads can be aggregated by gas marketers into groups large enough to purchase transportation service, since 1996

New York State Gas Industry Types of Gas Service

- Gas Supply and Delivery Service Provided by Utilities:
 - Firm customer's full requirements provided at all times; residential, commercial and industrial
 - Interruptible Discounted rates where service can be halted based on the need of the utility to use the supply for firm customers' needs
 - Temperature Controlled Gas supply is automatically interrupted based on ambient temperatures generally 15°F or 20°F

What is Unbundled in the Natural Gas Business

- Services Competitively Available Now:
 - Commodity
 - Capacity upstream
 - Balancing
 - Billing
- Potential Competitive Services
 - Metering
 - Information Services (Smart Grid)

Transmission Siting in New York

- New York State Siting Law (Article VII)
 - Only intrastate
 - Requires that an applicant apply for a Certificate of Environmental Compatibility and Public Need before constructing a facility
- Applies to pipelines extending at least 1,000 feet and operated at 125 psig or more
- Pipelines located wholly underground in a city or within the right of way of a highway or street, or replacing an existing transmission facility and less than one mile long are subject to the State Environmental Quality Review Act

Natural Gas Safety Performance Measures

- Ensure safety in a changing environment
 - Address risks
 - Measure performance
 - Motivate LDCs to maintain and improve performance
- Specific measures:
 - Damage prevention
 - Leak management
 - Emergency response times
 - Infrastructure enhancement (replacement of leakprone pipe)

Rate Case Performance Measures

- As LDCs file rate cases, DPS staff recommends they achieve specific targets
- Negative rate adjustments if targets not met
- Targets set based on LDC's past history and trends
- Staff submits testimony in rate cases, and may negotiate a settlement
- Multi-year rate plans may require improvement over time
- Targets continue if LDC does not file a rate case



Safety Field Personnel Responsibilities

- Construction inspections
- Incident investigations
- Safety complaint investigations
- Damage prevention program
- Record and field audits
- Transmission facilities design and specification review
- Code revisions and waivers