What's INGAA?

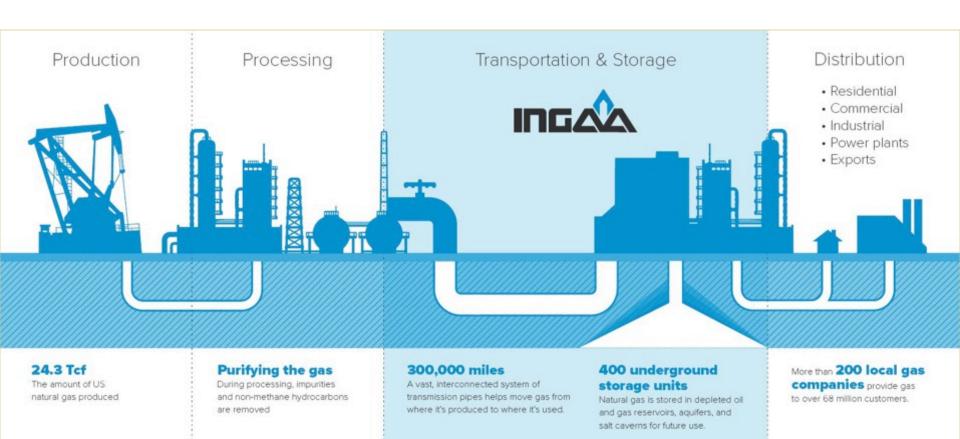


• The Interstate Natural Gas Association of America is a trade organization that advocates regulatory and legislative positions of importance to the interstate natural gas transmission pipeline industry in North America.



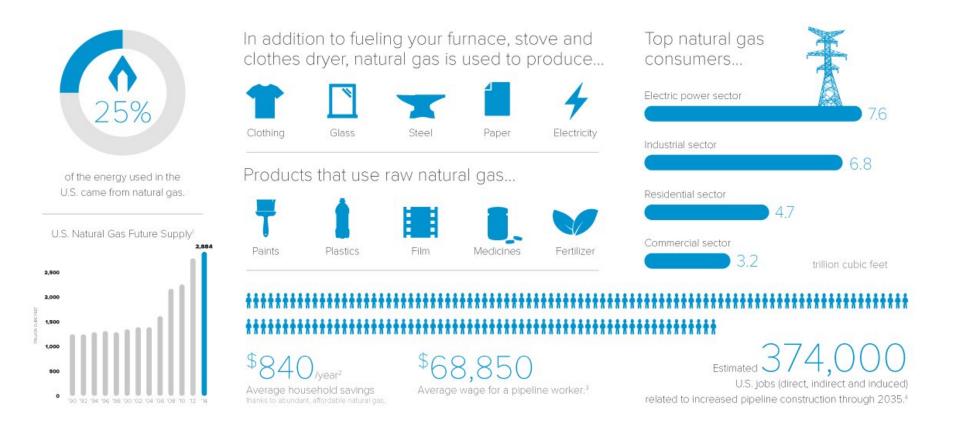
Where Does INGAA Fit Into The Natural Gas Supply Chain?







What Is Natural Gas Used For?



Guiding Principles of Pipeline Safety





- Our goal is zero incidents a perfect record of safety and reliability for the national pipeline system. We will work every day toward this goal.
- We are committed to safety culture as a critical dimension to continuously improve our industry's performance.
- We will be relentless in our pursuit of improving by learning from the past and anticipating the future.
- We are committed to applying integrity management principles on a system-wide basis.
- We will engage our stakeholders from the local community to the
 national level so they understand and
 can participate in reducing risk.





- Deliver natural gas
 - Safely
 - Cleanly
 - Reliably
 - Affordably
- Understanding future energy markets is critical to achieving these goals



Changing Electric Capacity Profile

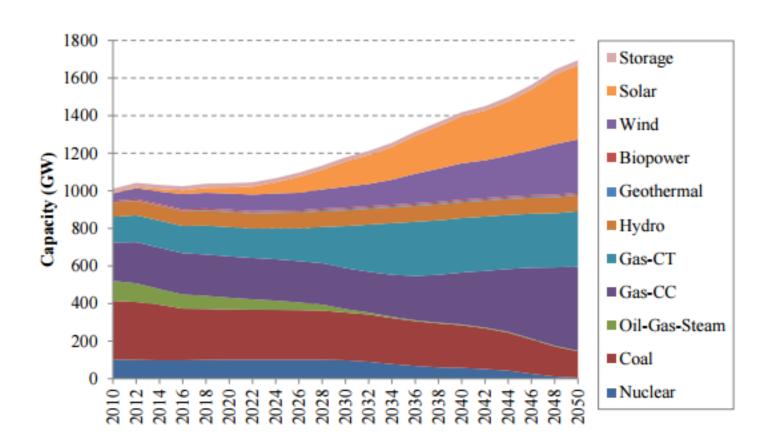


Figure 1. Installed capacity by technology type in the Central Scenario.

Gas-CT is gas-fired combustion turbine and Gas-CC is gas-fired combined cycle.

Potential for Larger Swings in Natural Gas Usage



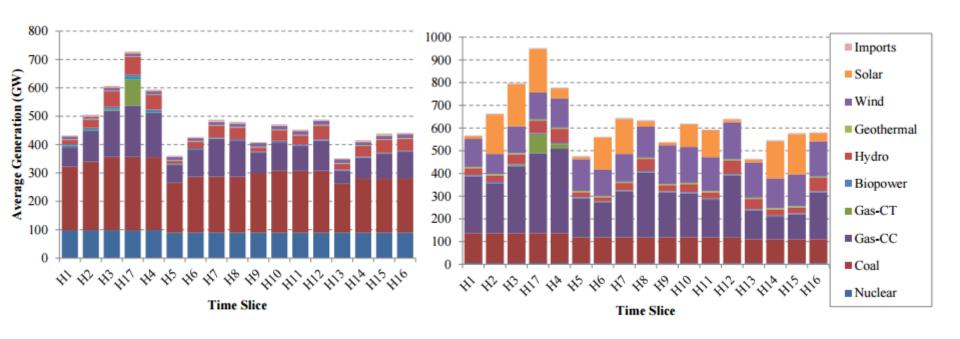


Figure 19. Generation by time-slice in 2010 in the Central 5

Figure 20. Generation by time-slice in 2050 in the Central Scenario

Pipeline Safety Considerations for the Future



- Pipeline Assessments
 - More Pipelines → More Assessments
 - Expansion of IM Programs → More Assessments
 - Changing Usage → Shorter Assessment Windows
 - Changing Usage → Lower Tolerance for Deliverability Reductions
- Underground Gas Storage
 - Expansion of IM Programs → More Assessments
 - Expansion of IM Programs → Injection/Withdrawal Impacts
 - Changing Usage → Shorter Assessment Windows
 - Changing Usage → Lower Tolerance for Deliverability Reductions

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What Should Our Industry Do?

What Does Industry Want? To deliver natural gas safely, cleanly, reliably and affordably.

- Support development and implementation of modern inline/downhole inspection technologies
 - Technologies can reduce deliverability impacts while improving pipeline safety
 - Examples: ILI using EMAT, advanced downhole logging
- Industry dollars should chase these goals
- Regulations should embrace these goals
 - Pipeline MAOP reconfirmation
 - Underground gas storage integrity management
- A perfect record of safety and reliability zero incidents – is more important than ever

Guiding Principles of Pipeline Safety





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Appendix Slides





Changing Generation Profile

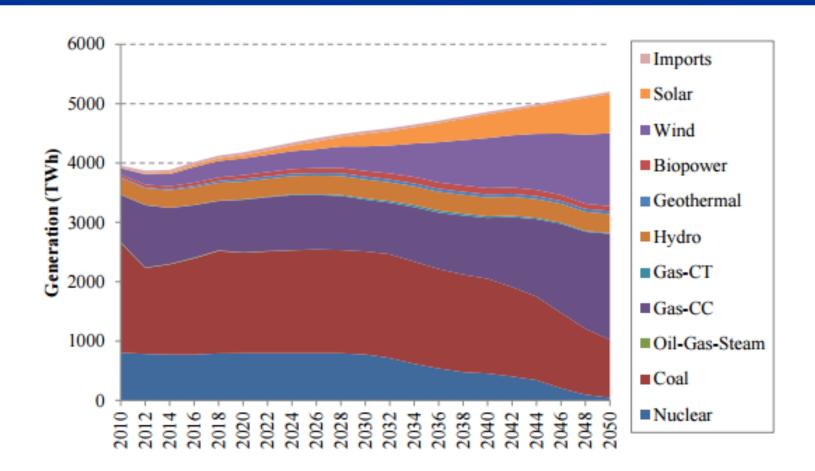


Figure 2. Generation by technology type in the Central Scenario.

Gas-CT is gas-fired combustion turbine and Gas-CC is gas-fired combined cycle.