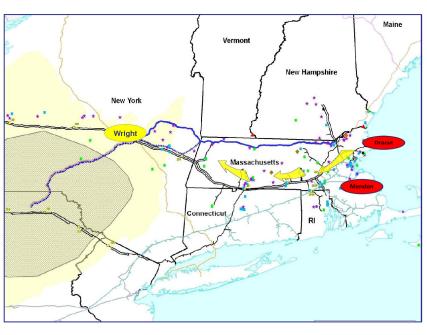


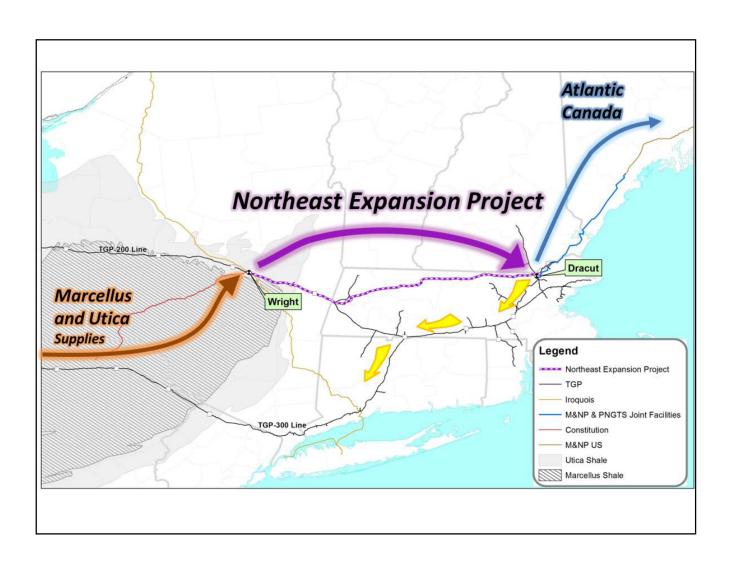


TGP Northeast Expansion – Bullet Line



- 1.2 Bcf/d pipeline
- Wright or upstream to:
- Dracut MA and;
- Backhaul existing markets
- 3rd pipeline into region
 - · Benefits all existing markets
 - · Enhances existing system
 - Development of new markets
- High pressure line
- Expandable
- In service 2017-2018

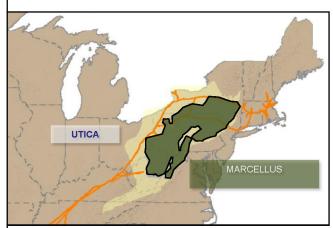
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TGP Advantage: Unmatched Access to Marcellus

TGP Marcellus Access



Marcellus Shale

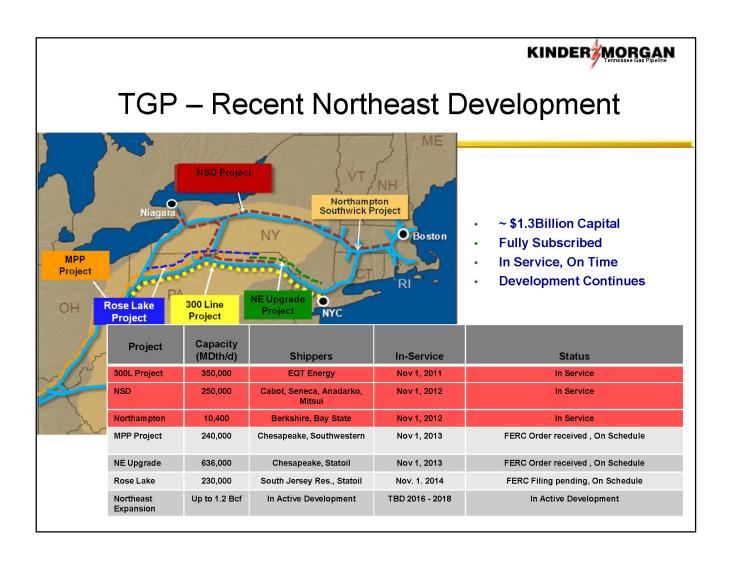
- 8.9 Bcf/d Receipt access
- 38 Producer Interconnections
- 2.3 Bcf/d Avg. Daily Receipts (Aug)
- ~1.0 Bcf/d receipt access added in 2012
 - Indicative of continued growth

Marcellus Receipts by Pipeline

Pipeline	% of Total	YTD 2012 (MDth/d)
TGP	43%	2,360
Transco	18%	982
Stagecoach	8%	413
TETCO	7%	401
Dominion	6%	352
Columbia Gas	6%	333
Equitrans	4%	224
National Fuel	3%	168
Millennium	2%	129
National Fuel Prod	2%	109
TOTAL	100%	5,470

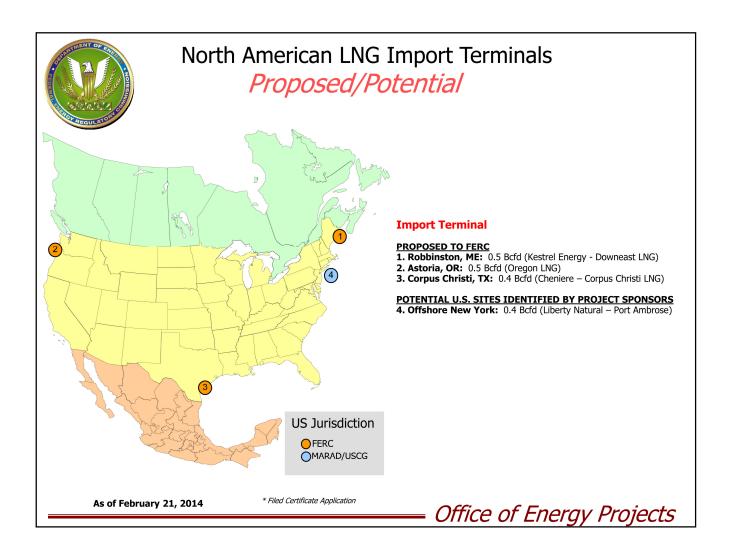
Source: Bentek

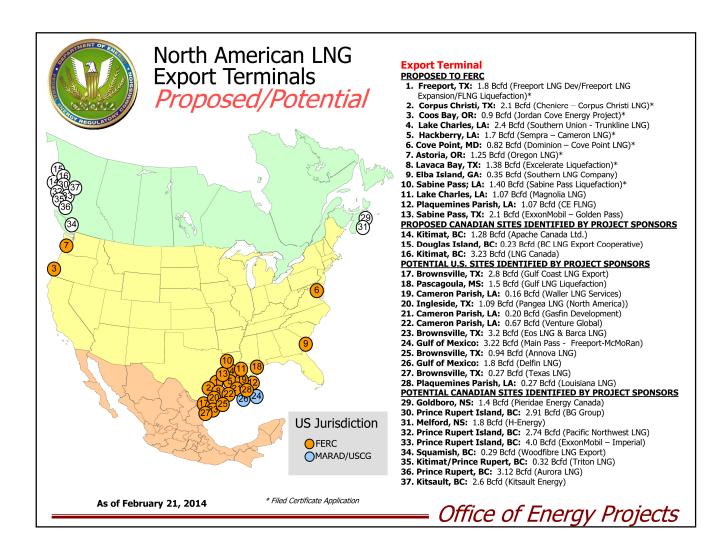
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Who Is This For?

- Power generation
 - Residential and business customers have firm contracts.
 - Power industry buys on the spot market.
- Export?





The Claim (Why We Need The Pipeline)

- Natural Gas Is:
 - Clean
 - Cheap
 - Reliable

CLEAN? Compared To What?

CO₂ Output (pounds/MWh)

Avg. Natural Gas Plant in MA: 1,210

Avg. for all sources in MA for 2012: 910

MA State Goals For Carbon Emissions

- 25% reduction by 2020
- 80% reduction by 2050

Clean?

- Climate change
 - Methane more powerful GHG than carbon dioxide
 - Gas leaks (which also increase explosion risk)
 - Enough to negate the benefits of switching to natural gas vehicles
 - Increased reliance on fossil fuels
- Habitat destruction

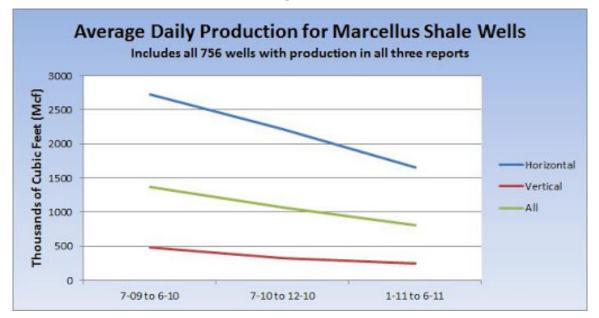
Cheap? Compared To What?

- What is the current fuel cost of:
 - Solar? Wind? Hydro?
- Last year, 50% of the state's new energy was either solar or wind.

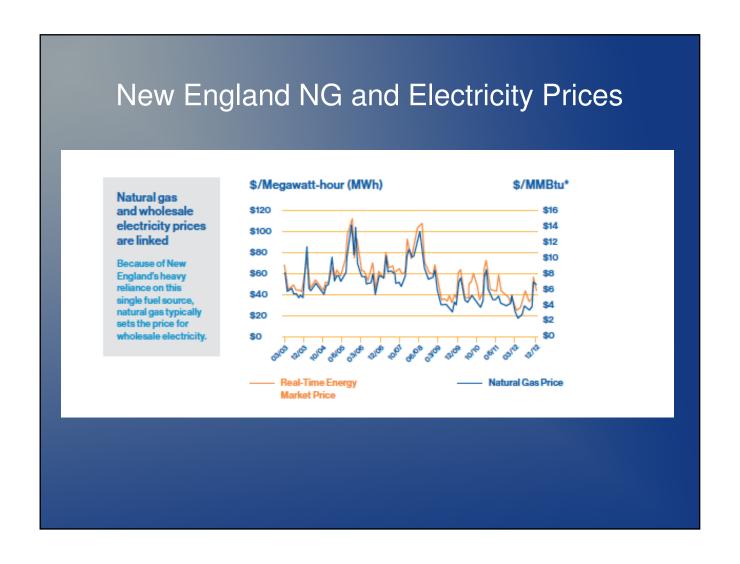
What Will The Price Be In The Future?

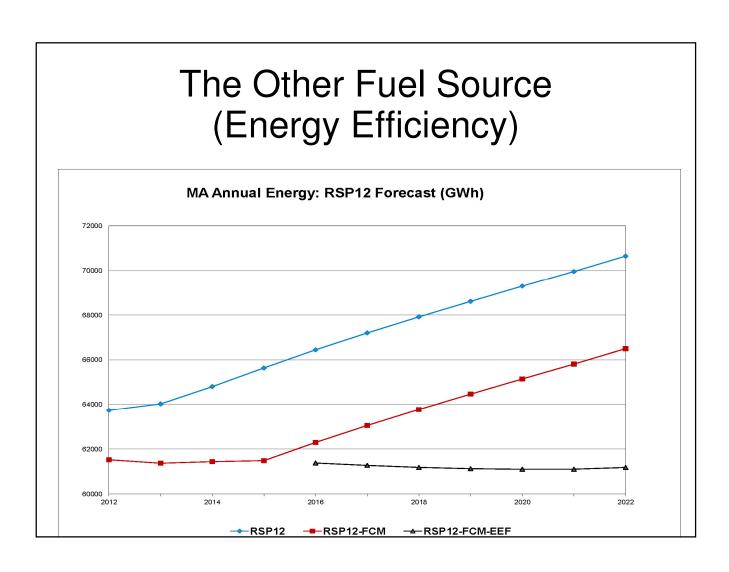
- We are overdependent.
- Overseas prices are much higher than ours.
- Supplies may dry up.
- What happens when we further increase our dependence on NG?

Reliable? Compared To What?



- A five-year-old well has produced ½ of the gas it will produce in its lifetime.
- When will solar, wind, hydro run out?





We Don't Need It

- Fix the leaks
- Encourage further gains in renewable energy
- Encourage further gains in energy efficiency

Shortfall?

ISO New England: 700MW shortfall without Vermont Yankee and without oil and coal.

Additional solar last year = 237MW Over 3-years until pipeline, 237 X 3 = 711MW With 10% per year growth = 785MW

Pipeline is twice the capacity of what New England States Committee on Electricity asked for.

Jobs?

Kinder Morgan: 3,000 jobs, mostly during peak construction.

But spending that much money on energy efficiency would create even more jobs, and they would be permanent, full-time jobs in Massachusetts.

Natural Gas

- Not Clean
- Not Cheap
- Not Reliable
- Not Needed

We Can Do Better.

We already are doing better.



