

Massachusetts & Regional Energy Update

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Rate Increases

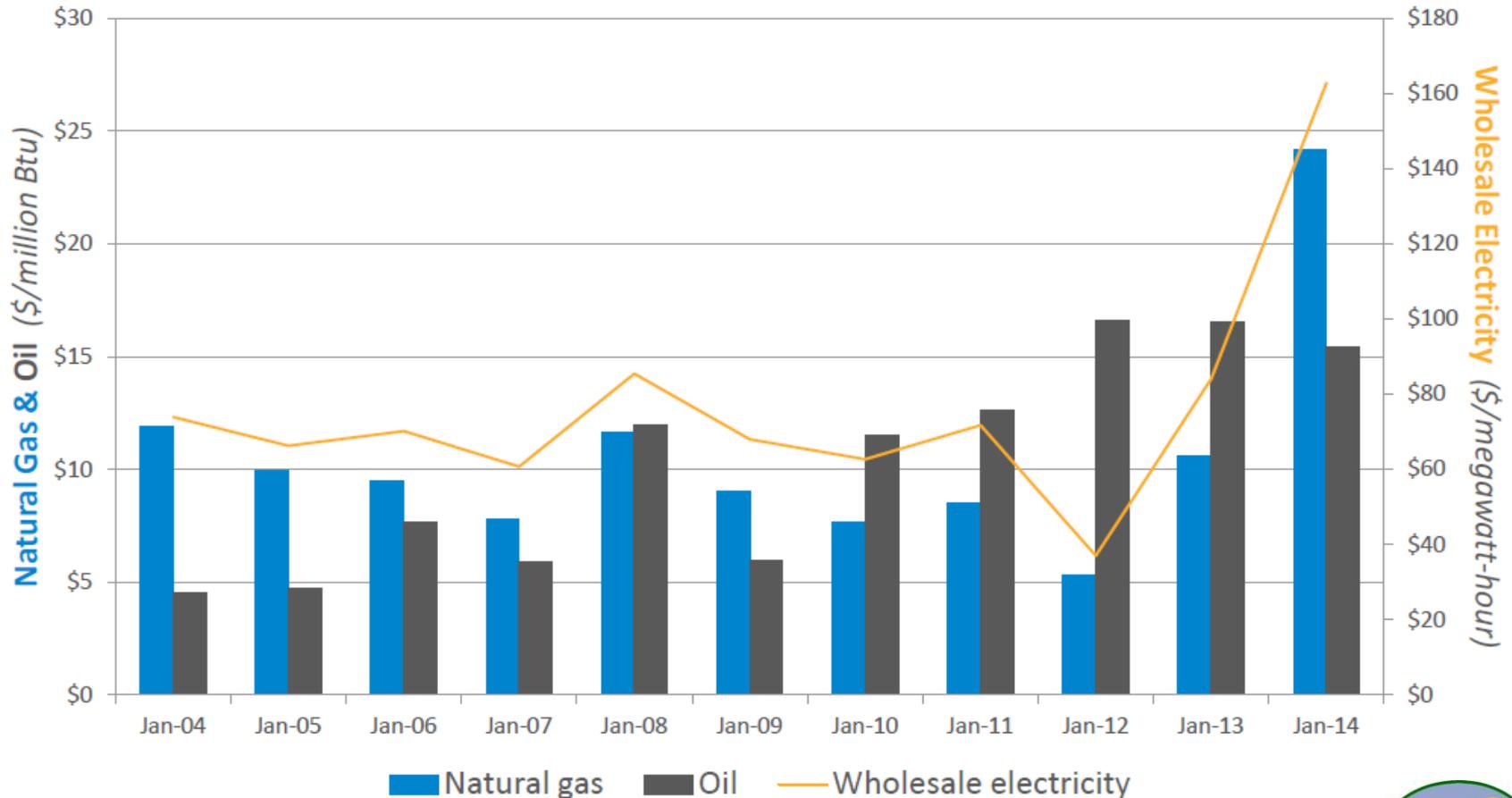
		Bill Impact of Current Rate Increase	Bill Impact of Current Rate Increase	Basic Service Rate Current Increase	Basic Service Rate Winter Increase
National Grid	Res.	\$53	49%	96%	61%
	Med/Lrg C&I	\$19,201	75%	118%	77%
NSTAR	Res.	\$29	29%	60%	60%
	Lrg C&I	\$54,228	68%	96%	79%
WMECO	Res.	\$31	30%	59%	72%
	Med/Lrg C&I	\$32,157	76%	98%	95%
Unitil	Res.	\$34	24%	66%	52%
	Med C&I	\$894	36%	88%	62%

Approximate - Averages where more than one class or zone is applicable.

- www.mass.gov/eea/winterenergyresources - A guide to mitigating price impacts this winter



Winter Gas and Electricity prices surge



Patrick Administration Initiatives

- **Solar**

- Met original goal four years early: 250 MW by 2017
- New: 1600 MW by 2020
- Installations in 350 of 351 MA cities & towns
- 4th in new capacity installed nationally (SEIA 2013)
- 687 MW installed



- **Wind**

- 103 MW installed

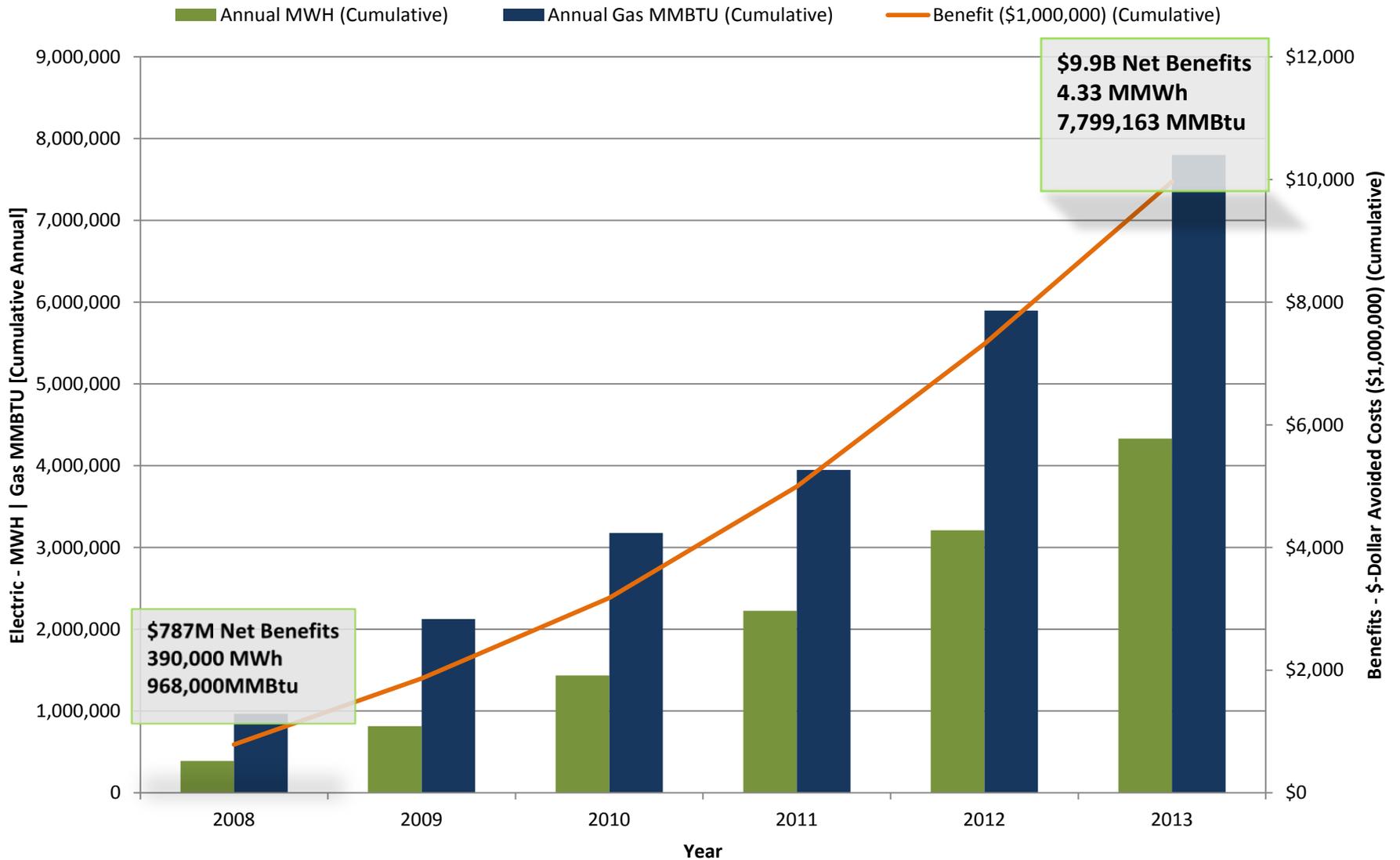


- **Energy Efficiency**

- Ranked #1 by ACEEE (2011-2013) for our energy efficiency programs and policies
- Accelerated Energy Program investing in energy improvements in 700 state sites, to save \$43M annually
- High performance buildings (ZNEB, LEED, stretch code)
- Statewide energy efficiency programs are offered to all customer segments under Mass Save[®] brand



Growth in Energy Efficiency Savings and Benefits Under Patrick Administration



NESCOE Update

- New England Governors signed 6-state energy statement in December, 2013
- NESCOE states met with FERC in October on possible regional solutions to gas constraint problem
- Currently participating in drafting an RFP for a coordinated no- and low-emissions procurement with RI and CT
- Active in conversations with the NESCOE states in addressing the unique challenges of the region



Low Demand Study

- As discussed before New England energy infrastructure has become increasingly stressed due increased demand, leading to near-term supply deficiency and cost increases during winter months.
- DOER has commissioned a study to evaluate a range of solutions to enhance system reliability, economics and GHG reductions.
- DOER has retained Synapse to evaluate solutions under various supply and demand scenarios to meet system reliability needs, cost and environmental considerations.
- Synapse/DOER is soliciting stakeholder input and feedback.



Current Gas Pipeline Projects

- Algonquin AIM Project, 342 MMCF/d from New York into New England (target in-service date 11/2016)
- Tennessee CT Expansion, 72 MMCF/d from New York into New England (target in-service date 11/2016)
- KM Northeast Energy Direct, 0.8-2.2 BCF/d from New York into New England
- Atlantic Bridge (Algonquin and M&N), 100-950 MMCF/d from New York into New England
- Access Northeast, .4-1 BCF/d



Conclusion

- Potential coordinated procurement for no- and low-emission resources
- Clean Energy Bill
- Continued investments in renewables and energy efficiency
- Renewable thermal
- Demand Response
- Gas capacity constraints



Thank you!

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