



Measure 1.3.b: Supplemental Report - Maintain non-electric fossil fuel consumption associated with industrial buildings and processes at or below the 2010 three year average level of 163.7 trillion Btu (British thermal unit)



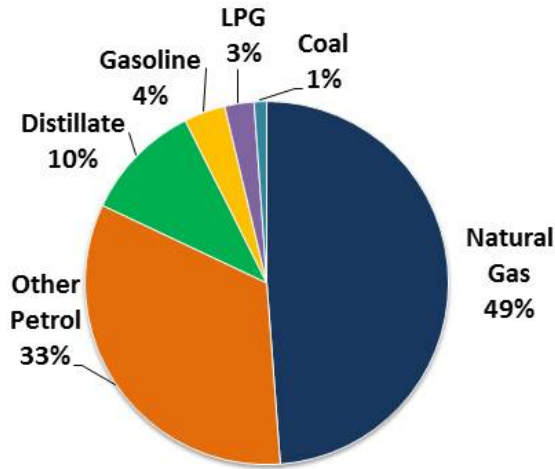
3.1.2.b Maintain Industrial fossil fuel consumption at 2010 levels of 163.7 trillion BTU



Department of Commerce
Innovation is in our nature.



Background: Industrial Efficiency is More Diverse than Res./Comm.



Industry uses a wide array of fuel types

- Natural Gas is predominant
- Variety of Petroleum Sources also used

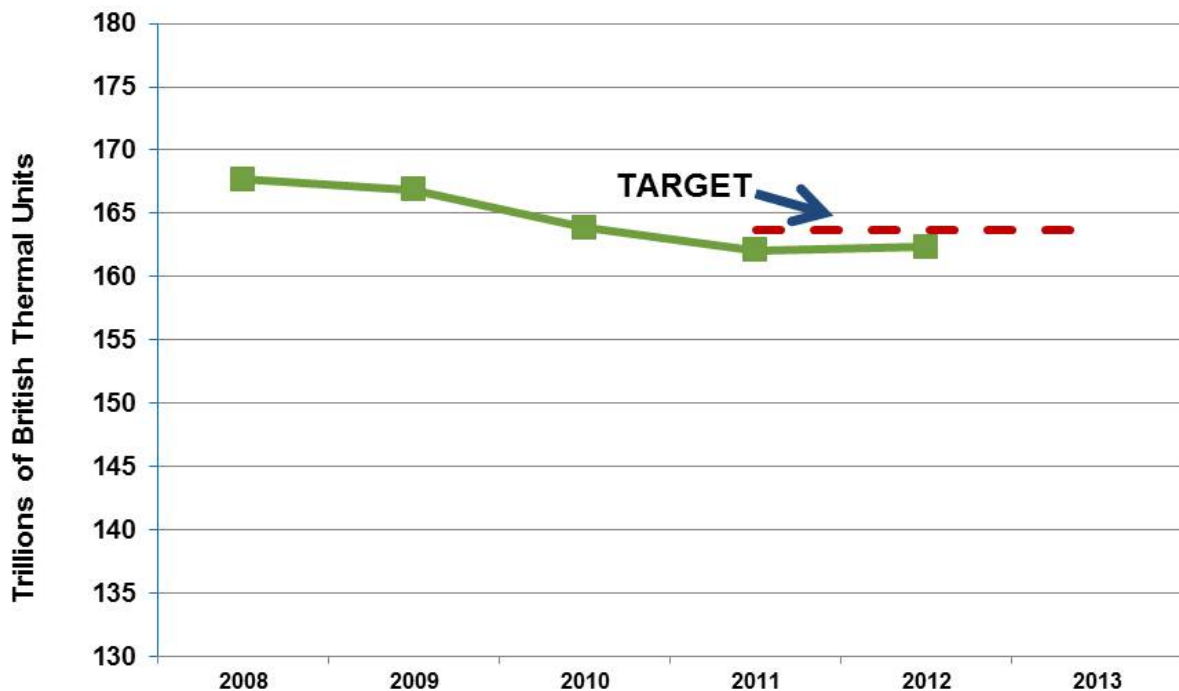
Fuel prices are a significant determinant of amount and type of fuel use

Industrial structure is also a major determinant of energy usage (e.g. aluminum industry)

Some industrial sectors are models for efficiency investments e.g. food processing.

21

Current State: We are on Track to Achieve our 2020 Goal (for now)



22

Problem/Opportunity

Challenges

- Industrial natural gas use is most influenced by the economic activity of specific industries. Gas use will go up if these industries grow.
- Utilities only serve a portion of the industrial gas load. Industry directly purchases gas. Utility intervention can not impact these end users
- Adding combined heat and power to industrial facilities may increase local gas use and GHG, but reduce GHG at the regional level.
- We don't know this market as well as we should

Opportunities

- Strategic energy management (continuous improvement) programs are growing rapidly
- Smart manufacturing – meters, sensors, software and switches – with specific application to energy conservation

23

Action Plan

Task	Task Lead	Partners	Expected Outcome	Status	Due Date
Reduce Industrial Energy Use	Commerce –	WSU- Energy, Industry	Support WSU budget request for \$1 million industrial efficiency program	Unlikely to be Funded	June '15
Continue Governor's Industrial Energy Awards	Commerce/W SU-Energy	BPA, Industry	Industry Efficiency Awards create greater awareness of efficiency opportunities	On Track	Jan. '16

24

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