



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Air Quality

Final 2017 Pennsylvania Greenhouse Gas Emission Inventory

Climate Change Advisory Committee

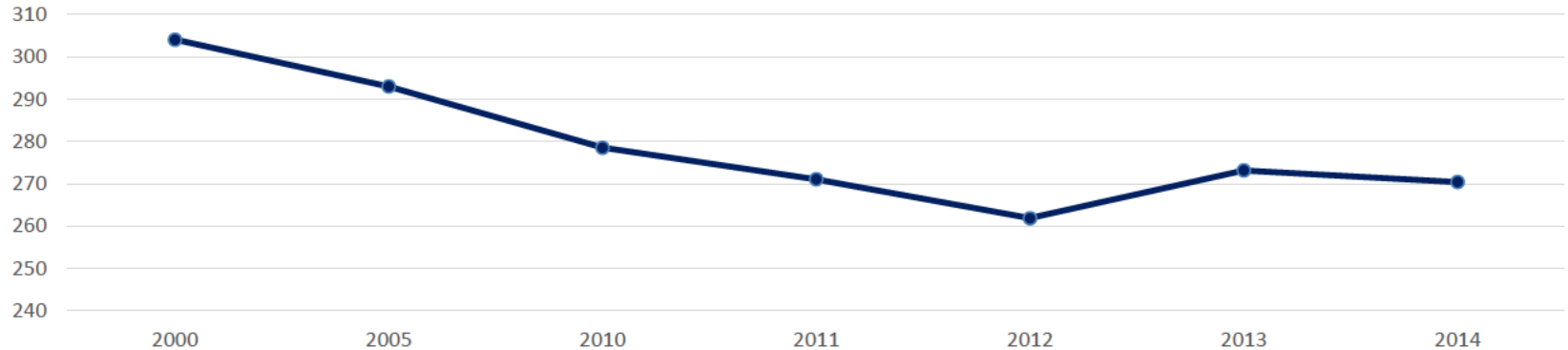
April 24th, 2018

GHG Emission Inventory

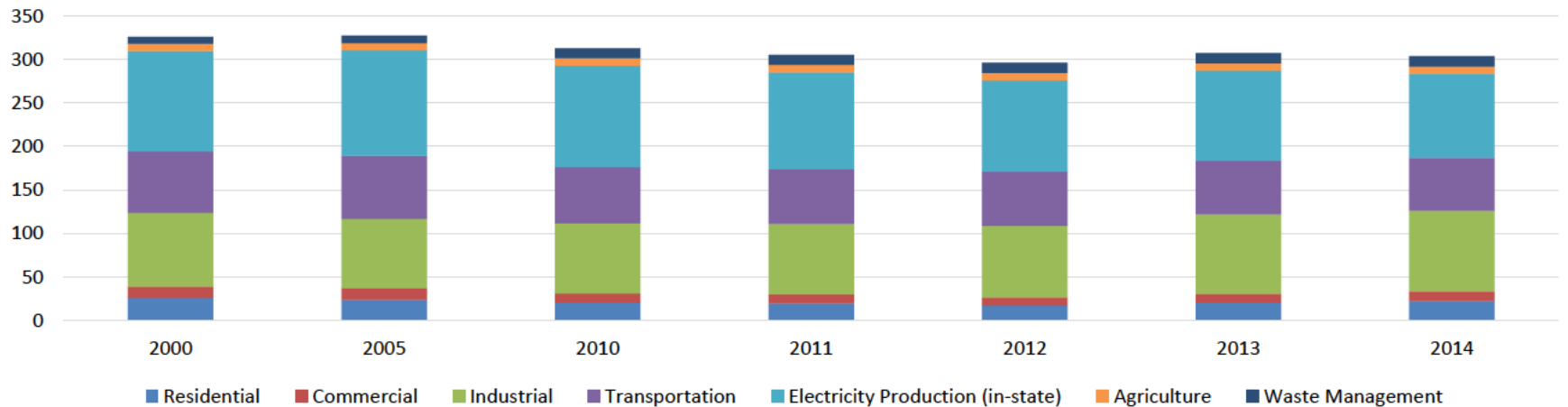
- State Inventory Tool:
 - Made available on April 13, 2017.
 - Updated all 11 modules with data through 2014.
- Draft was presented at August CCAC Meeting.

GHG Inventory Results

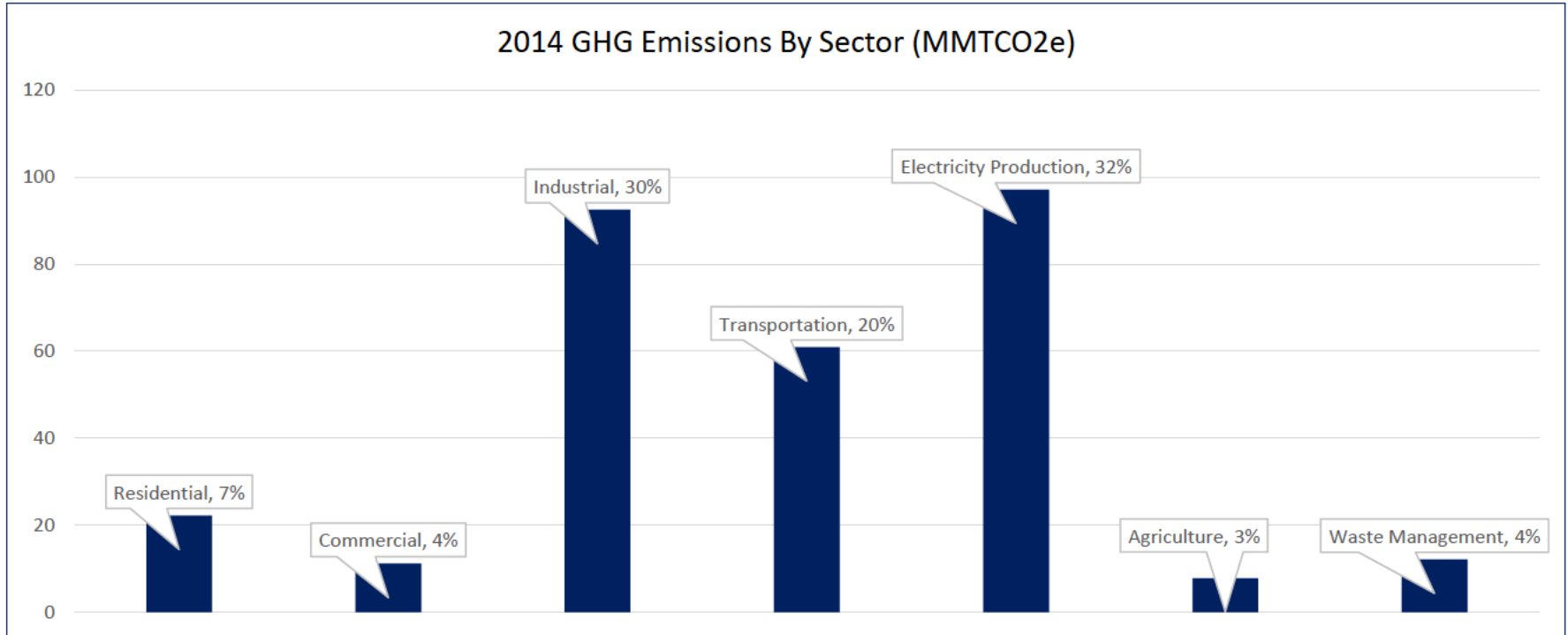
Total Statewide Net Emissions (Prod w/ Sinks)(MMTCO₂e)



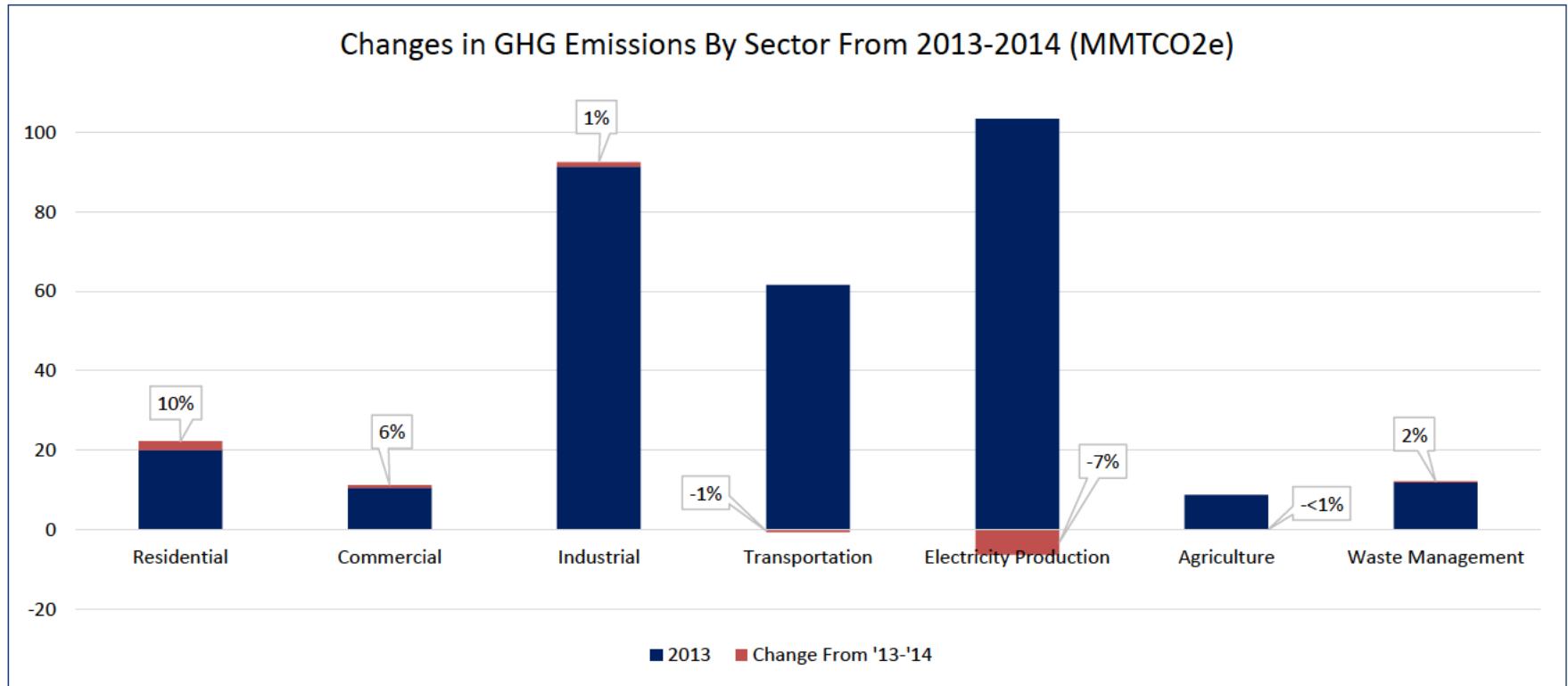
Total Statewide Net Emissions By Sector (MMTCO₂e)



Results By Sector

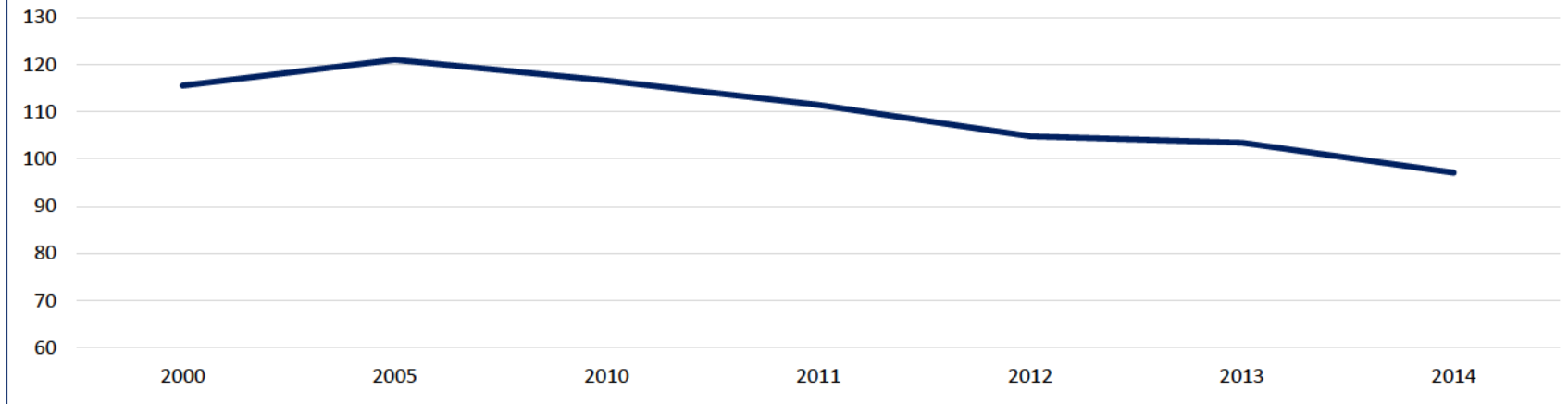


Results By Sector

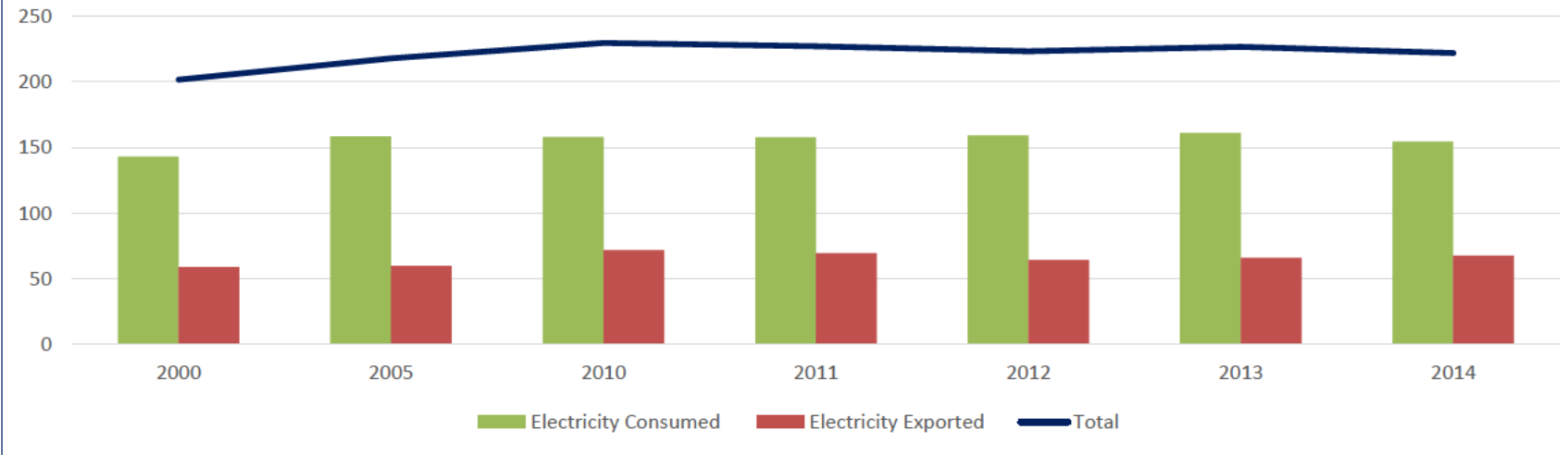


Electricity Production

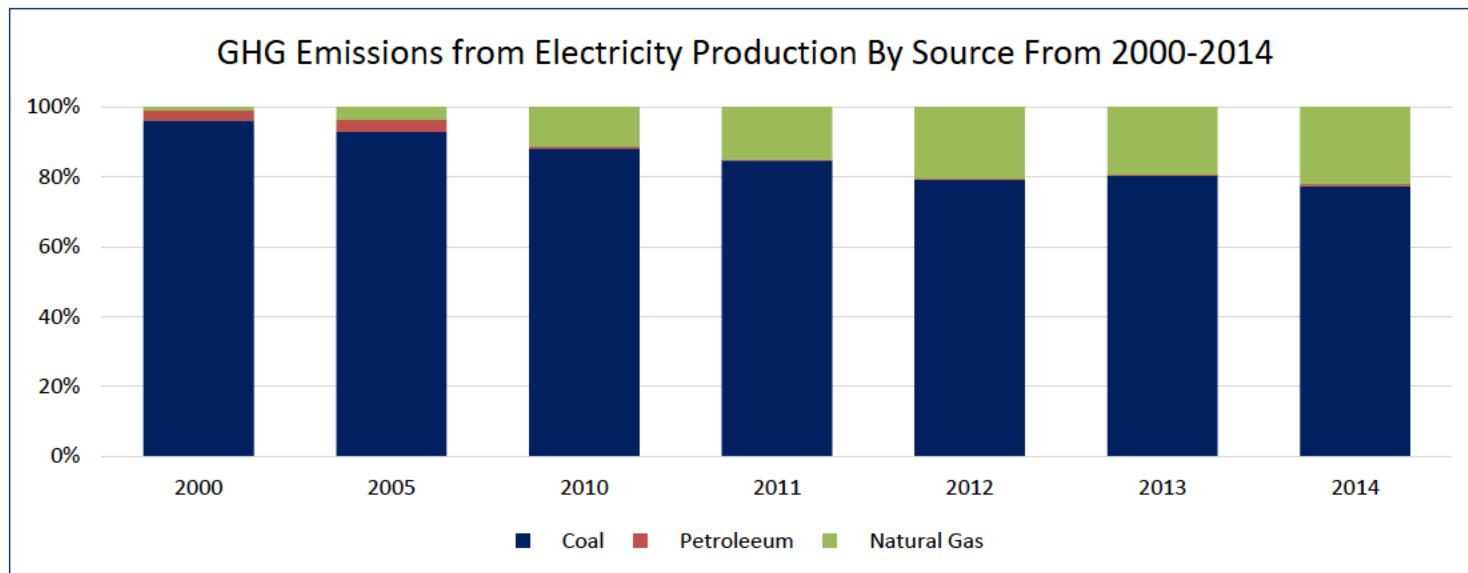
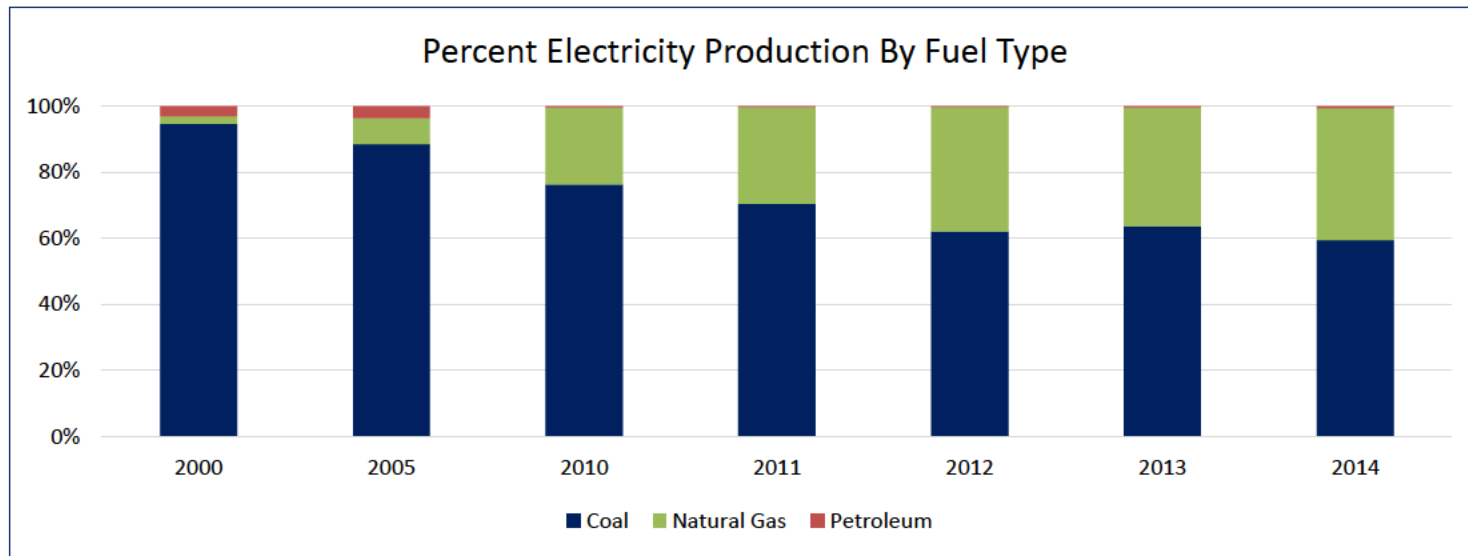
GHG Emissions from Electricity Production (MMTCO₂e)



Total Electricity Generated, Consumed, and Exported

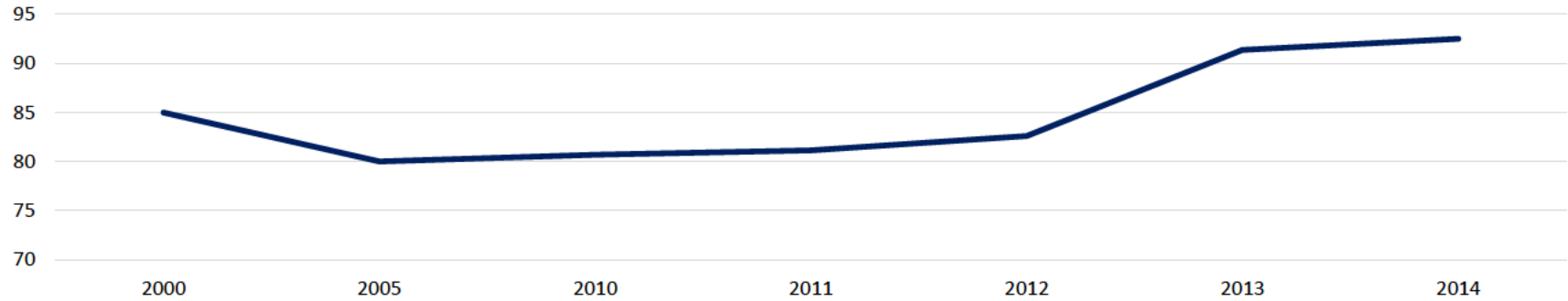


Electricity Production Emissions

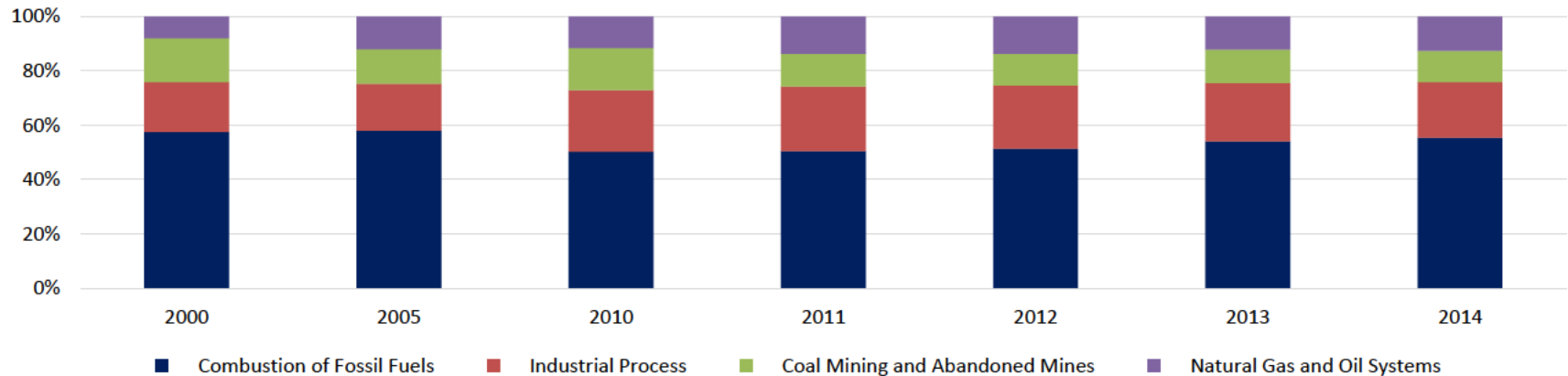


Industrial Sector Emissions

Total GHG Emissions From Industrial Sector (MMTCO₂e)

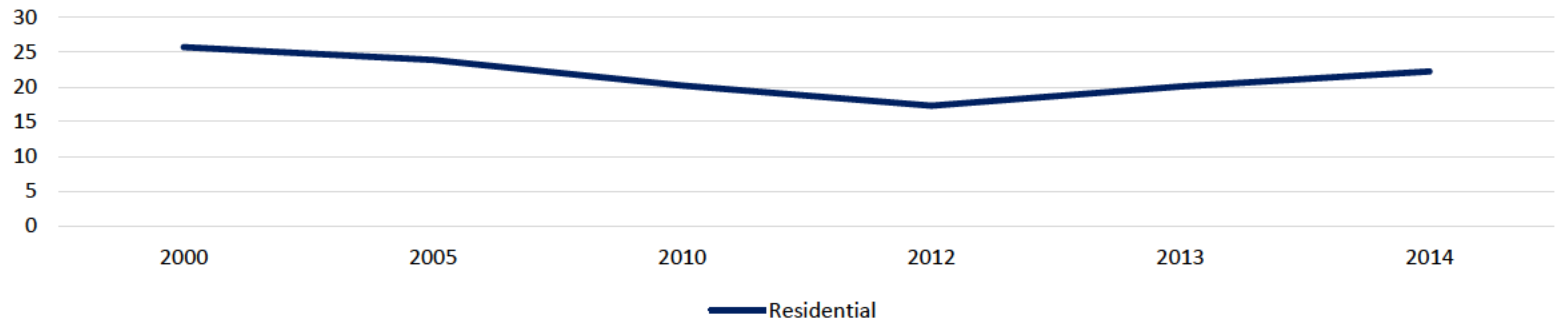


Industrial GHG Emissions By Type

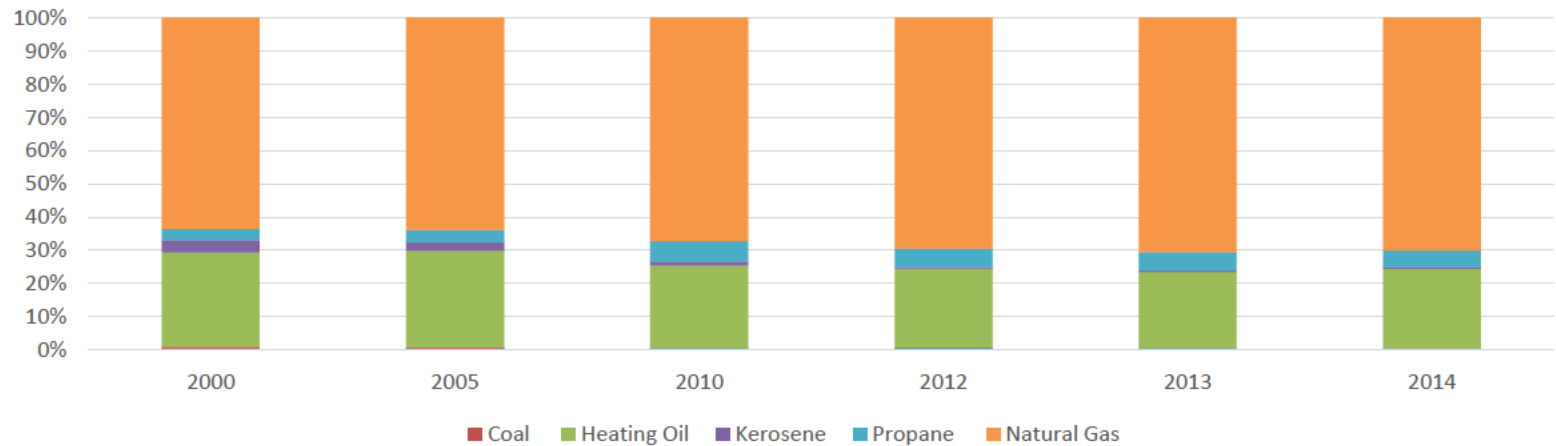


Residential Sector

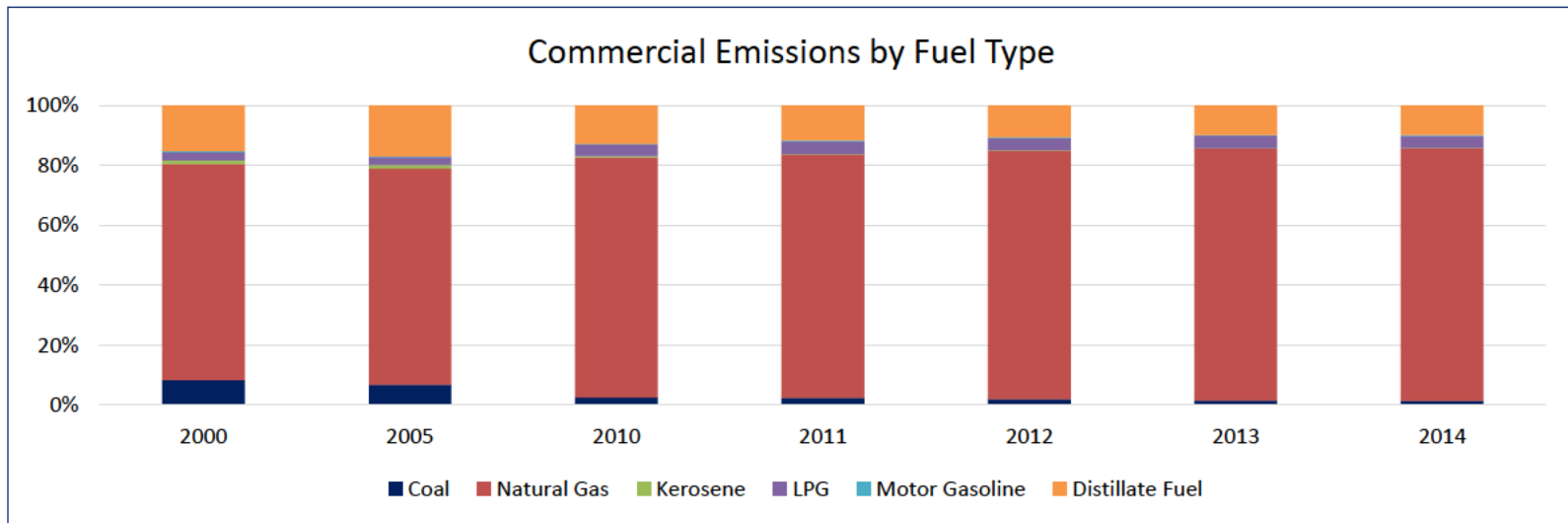
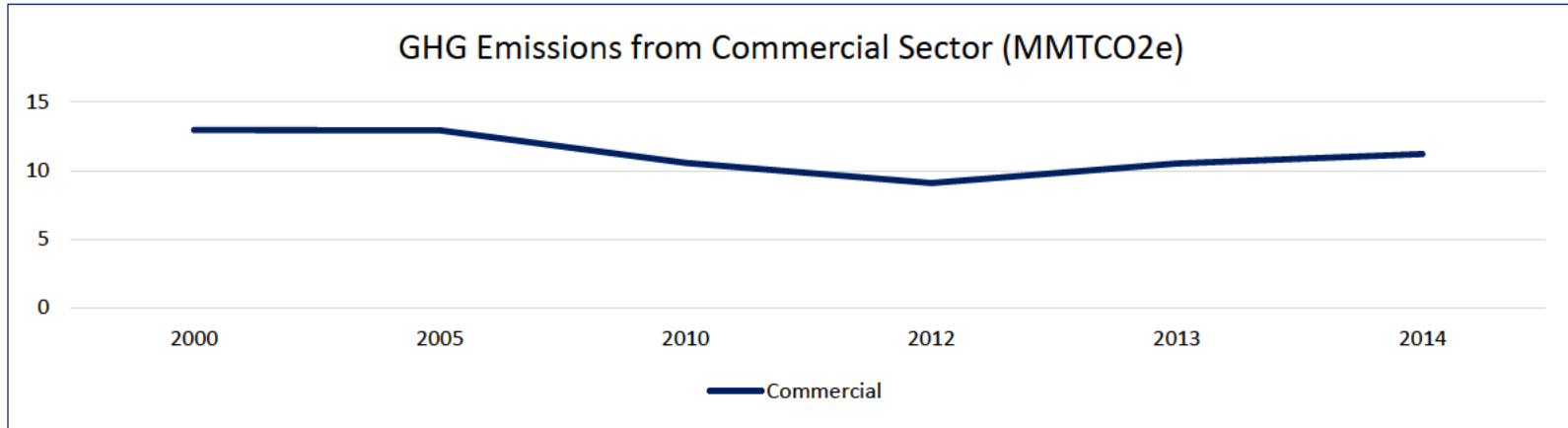
GHG Emissions from Residential Sector (MMTCO₂e)



Residential Emissions by Fuel Type

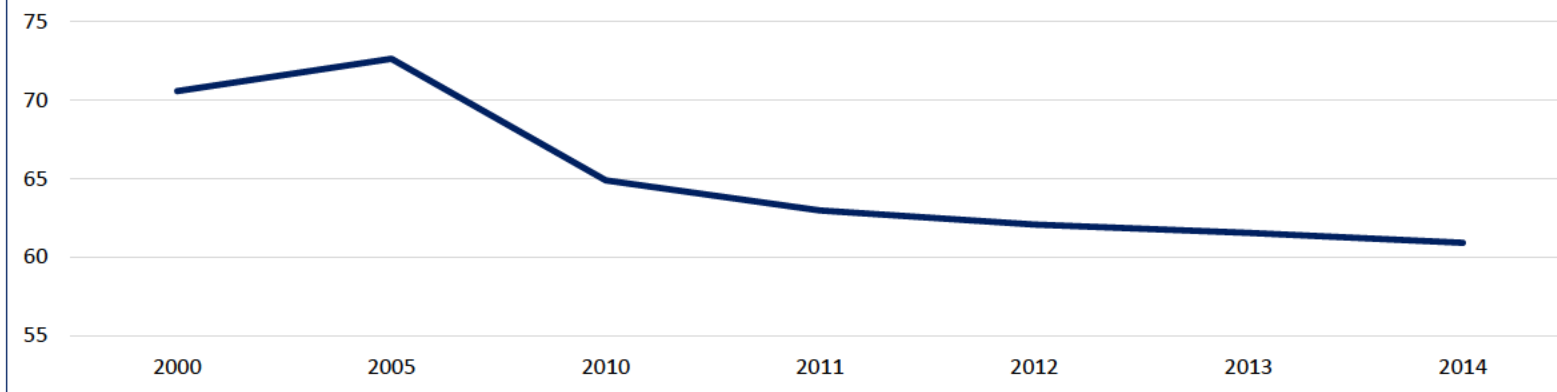


Commercial Sector

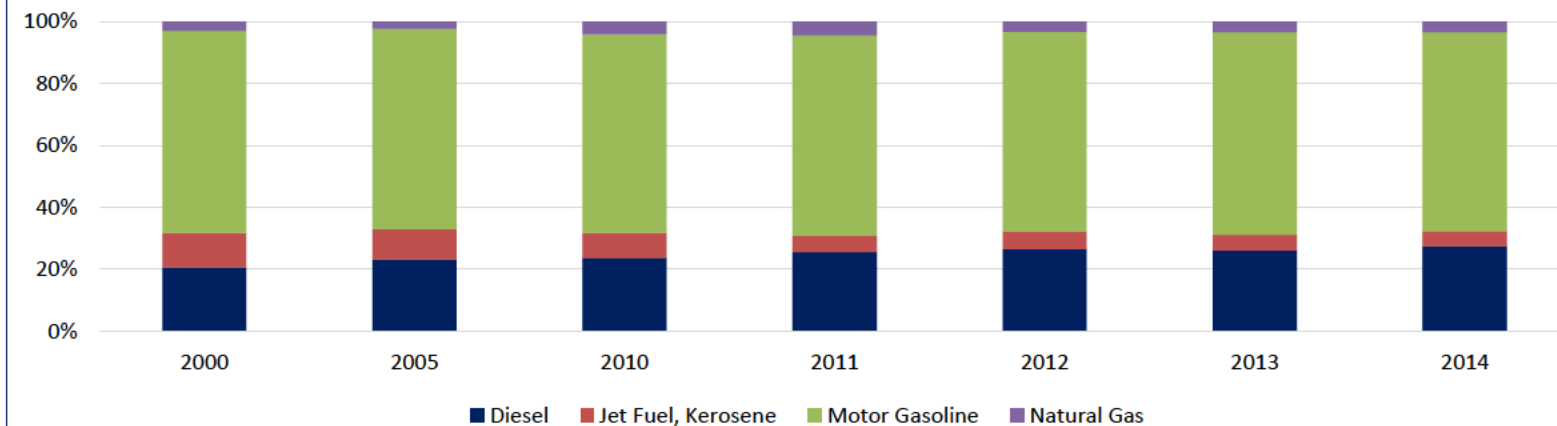


Transportation Sector

GHG Emissions From Transportation Sector (MMTCO₂e)



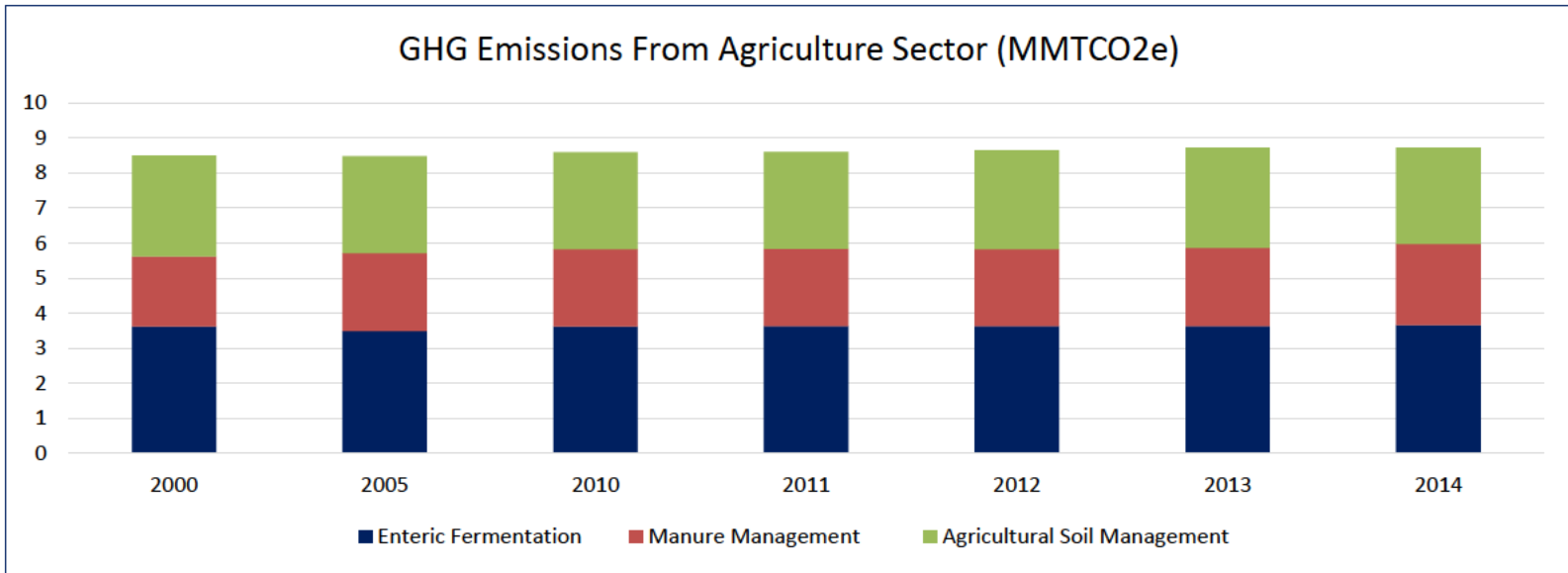
GHG Emissions From Transportation By Fuel Type



Waste Management Sector



Agriculture Sector



Emission Inventory

- The 2017 GHG Inventory shows a continued trend of overall decreased emissions from 2000.
- Despite an increase from 2012-2013, emissions have ticked downward again from 2013-2014.
- The biggest decreases came from the Electricity Generation sector, with a decrease of 6.35 MMTCO₂e and the Transportation sector with a decrease of 0.63.
- This decrease primarily counteracted increases from the Residential (2.18 MMTCO₂e), Commercial (0.68), Industrial (1.13), and Waste Management (0.29) sectors.
- The 2018 GHG Inventory is currently being drafted based on the recently released 2015 inventory numbers from the EPA's State Inventory Tool.



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Thank You

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