

DRAFT 2018 Pennsylvania Greenhouse Gas Emission Inventory

Climate Change Advisory Committee December 4, 2018

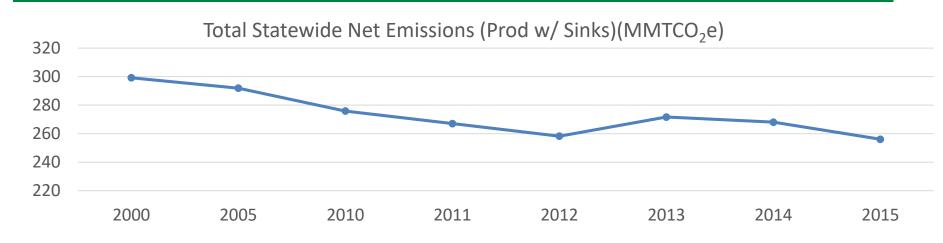
GHG Emission Inventory

State Inventory Tool:

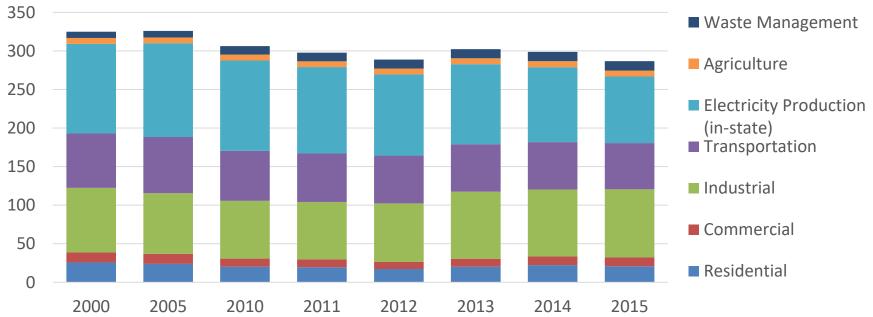
- Made available on April 13, 2017.
- Updated all 11 modules with data through 2015.



GHG Inventory Results

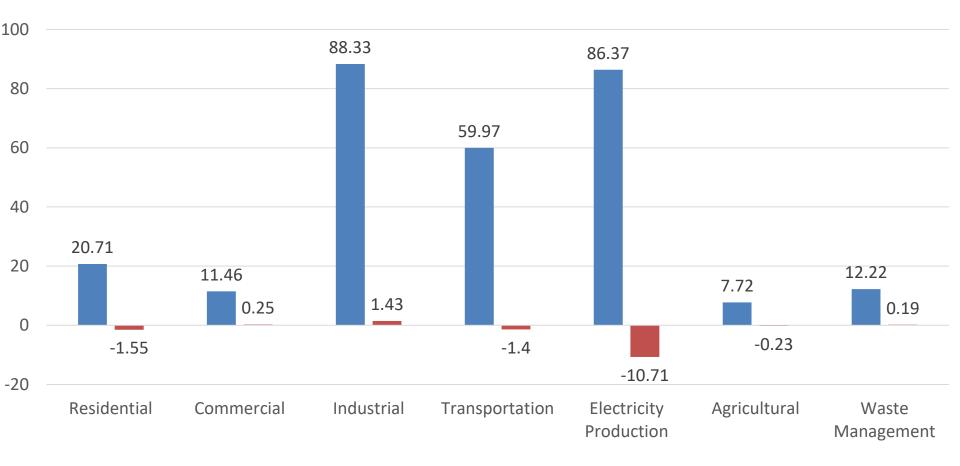


GHG Emissions (MMTCO₂e) by Sector



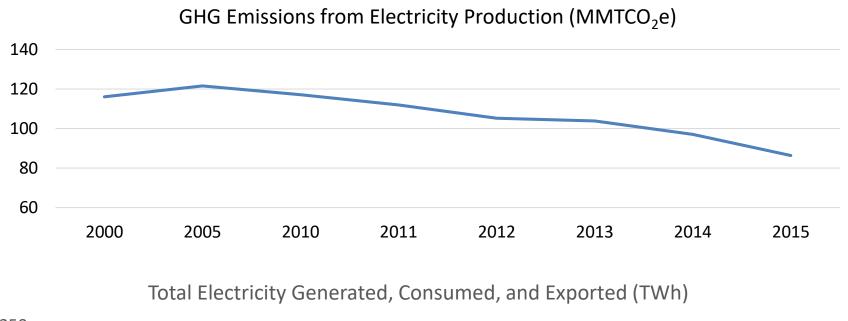
Results By Sector

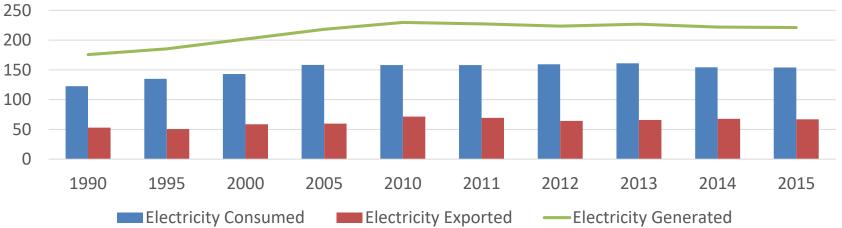
2015 GHG Emissions By Sector (MMTCO₂e)



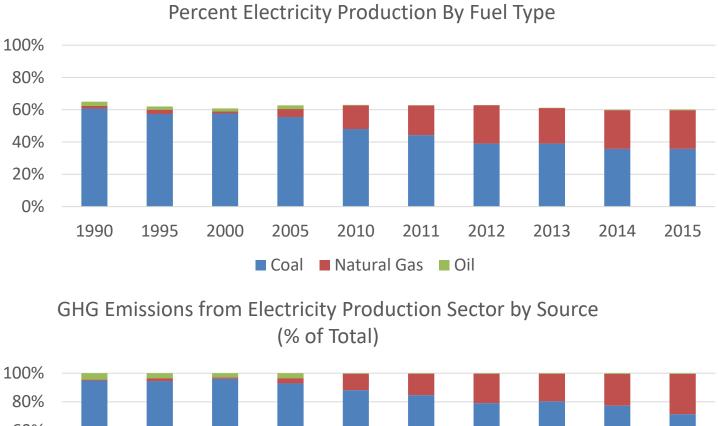
■ 2015 ■ Change from 2014

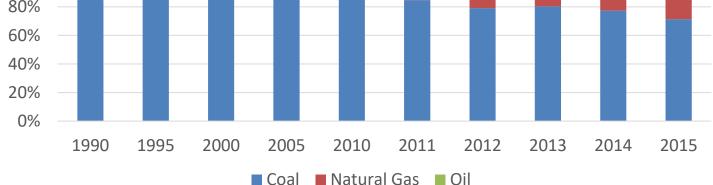
Electricity Production





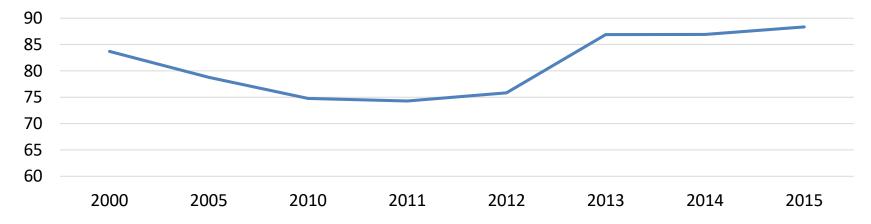
Electricity Production Emissions



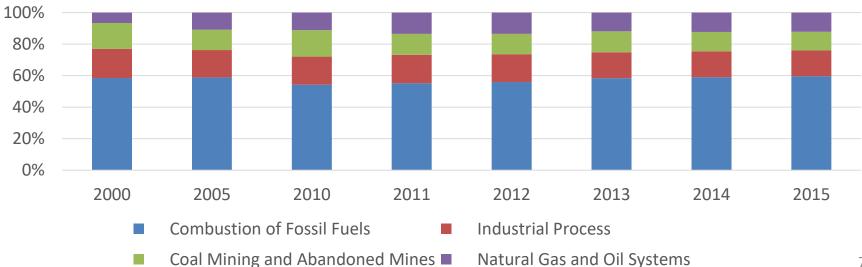


Industrial Sector Emissions

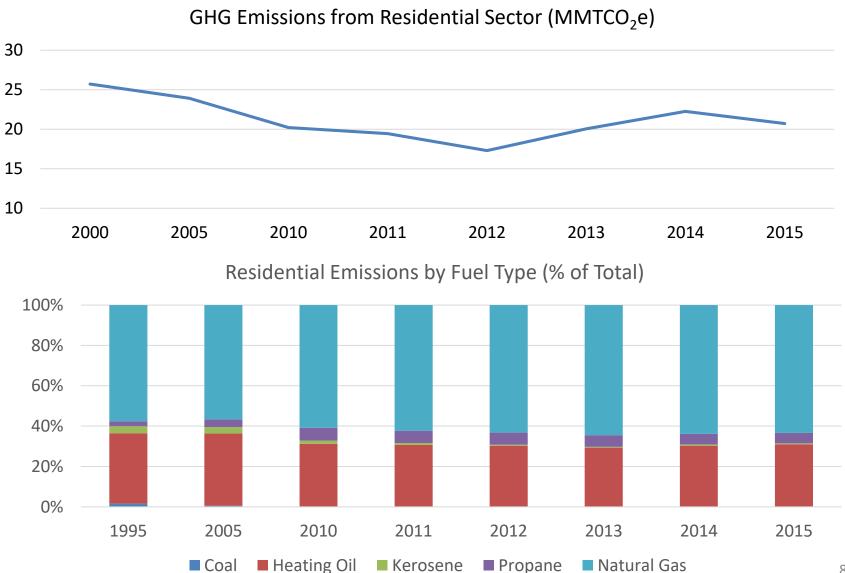
GHG Emissions from Industrial Sector (MMTCO₂e)



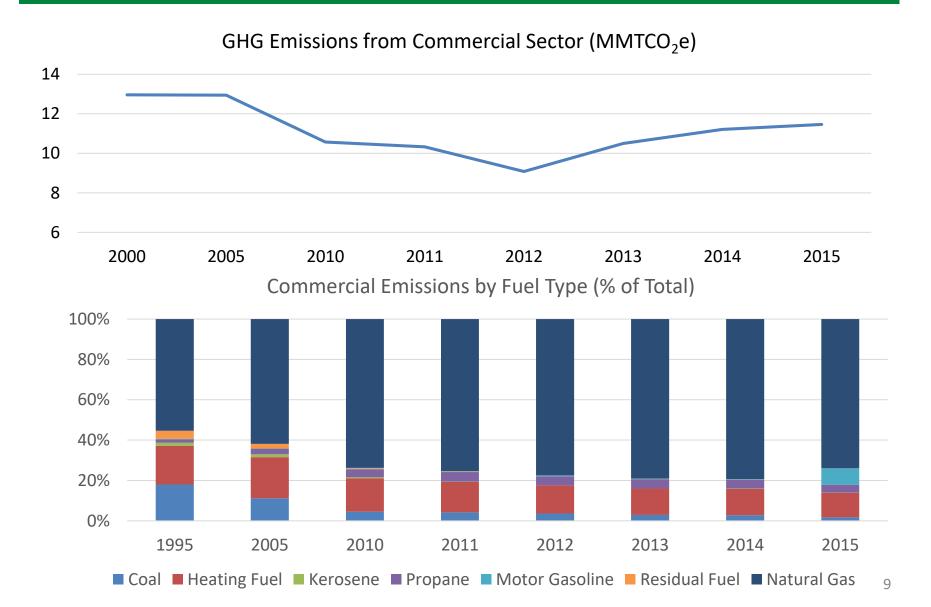
GHG Emissions from Industrial Sector by Source (% of Total)



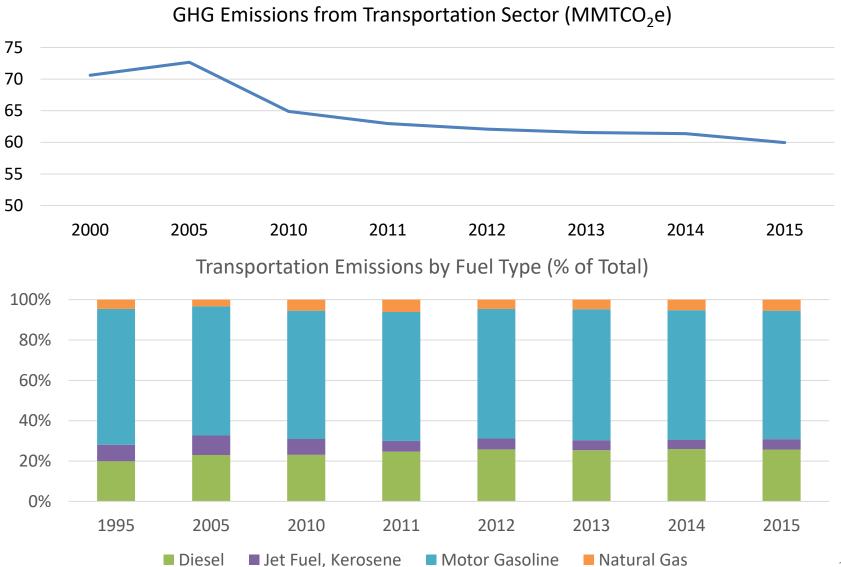
Residential Sector



Commercial Sector



Transportation Sector



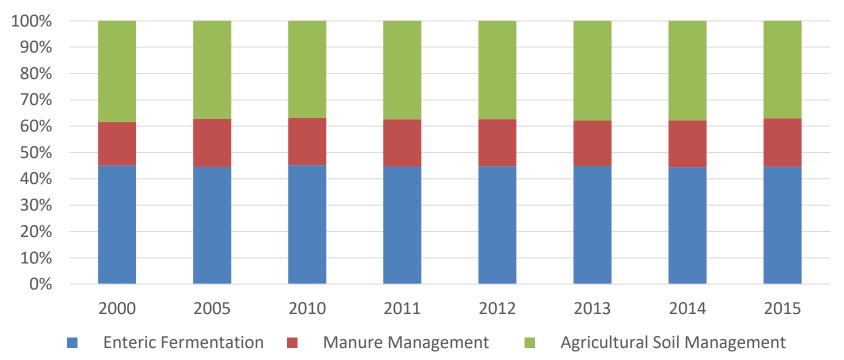
Waste Management Sector

Solid Waste Wastewater -Total

GHG Emissions from Waste Management Sector (MMTCO₂e)



Agriculture Sector



GHG Emissions from Agricultural Sector by Source (% of Total)



Emission Inventory

- The 2018 GHG Inventory (2015 data) shows a continued trend of overall decreased emissions from 2000.
- Net emissions continue to tick downward.
- The biggest decreases since 2014 came from the Electricity Generation sector, with a decrease of 10.71 MMTCO₂e and the Residential sector with a decrease of 1.55 MMTCO₂e.
- This decrease counteracted increases from the Commercial (0.25 MMTCO₂e), Industrial (1.43 MMTCO₂e), and Waste Management (0.19 MMTCO₂e) sectors.





Thank You

Lindsay A. Byron, P.G.

Environmental Group Manager Energy Programs Office Department of Environmental Protection <u>Ibyron@pa.gov</u> Phone: 717.783.8411