



# Climate and GHG Reduction Efforts

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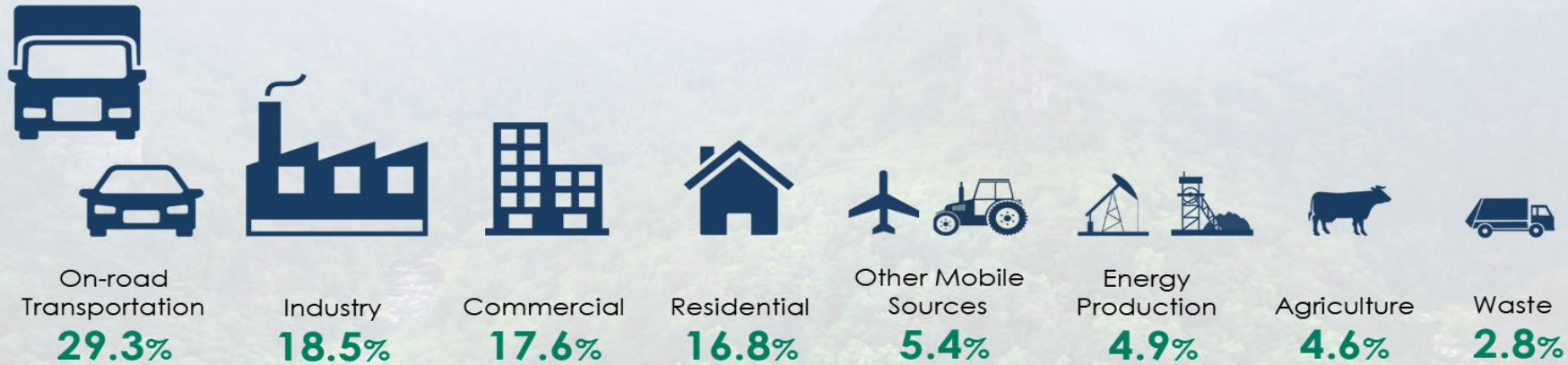
# Current and Future DEQ Efforts

- CO2 Budget Trading Rule – implemented through the Regional Greenhouse Gas Initiative (RGGI)
- Clean Cars Rule – implemented under Section 177 of CAA beginning in Model Year 2025
- Statewide Greenhouse Gas Emissions Inventory – for planning and tracking purposes
- Renewable Permit By Rule (PBR) Program – streamlined permitting process for small & medium renewable projects
- Statewide EV fast charging network funded by VW mitigation trust
- Climate Pollution Reduction Grant (CPRG) – DEQ designated lead agency for statewide climate action plans

# 2005-2018

## Virginia Greenhouse Gas (GHG) Inventory

### Gross GHG Emissions by Economic Sector in 2018



#### 2018 Gross GHG Emissions

140.7 million metric tons of CO<sub>2</sub>e

CO<sub>2</sub> emissions from power sector:

21.6%

of total gross emissions

CO<sub>2</sub> emissions removed by forests & other lands:

51.8

million metric tons of CO<sub>2</sub>e

#### 2005 - 2018 Change in Gross GHG Emissions

- ▼ 37.8% — Other Mobile Sources
- ▼ 31.4% — Residential
- ▼ 23.9% — Industry
- ▼ 21.8% — Commercial
- ▲ 0.7% — Transportation
- ▲ 4.3% — Energy Production

#### Statewide Net GHG Reductions (2005-2018)

▼ 18.2%

# Local Assistance for Climate Action Plans

- Assistance to local governments will be part of the Virginia CPRG planning process
- For GHG inventory and local climate action plan development or update
- Will be available for all counties and independent cities
- Will focus first on low-income and underserved communities
- Will strive for consistency
- Assistance details and mechanism still to be determined