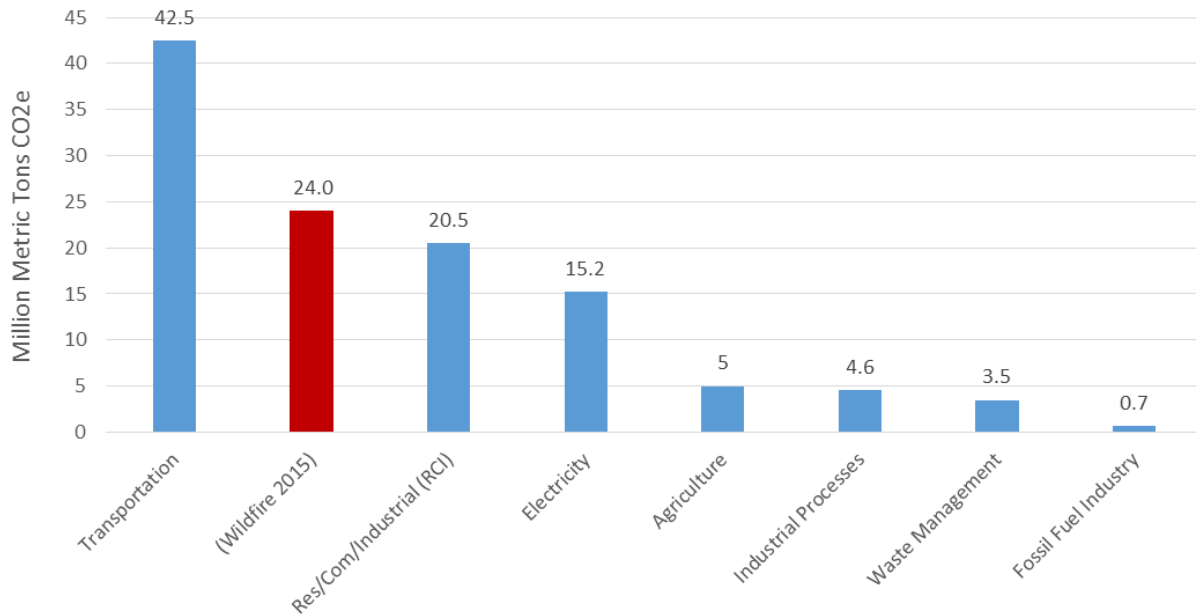


Washington's Greenhouse Gas Emissions

Comparison of 2012 Human Caused Emissions with 2015 Wildfire Emissions

Total Human Caused Emissions in 2012: 92.0 Million Metric Tons CO₂e*

2015 Washington Wildfire Emissions: 24.0 Million Metric Tons CO₂e



* 2012 Emissions data is most recent available. Wildfire data is presented for comparison. It is not included in the 92 Million Metric Tons CO₂e calculation

Sources: Fire Emissions: DNR via US Forest Service Fuel & Fire Tools (V. 2.0.960) and Consume 4.2;

WA GHG Emissions: Washington State Greenhouse Gas Inventory Report, Dept of Ecology

<http://www.ecy.wa.gov/climatechange/docs/2012GHGtable.pdf>. Accessed 12-12-2015

2015 Washington Wildfire Data

- An estimated 1,089,968 acres burned across the state in 2015. This was the largest area burned in Washington's recorded history.
- An estimated 24,063,869 million metric tons of CO₂e were emitted (CO₂ and methane).
 - This would represent 26% of Washington's 2012 human generated carbon emissions.
- CO₂e emissions from the 2015 Wildfire season represent the second largest category of Washington's emissions after transportation.
- CO₂e emissions from the 2015 wildfire season equal the CO₂ emissions from 5.1 million passenger vehicles annually.

Washington's Greenhouse Gas Emissions Inventory

Source: [1990-2012 Washington State Total Annual Greenhouse Gas \(GHG\) Emissions](#)

- **Transportation:** Onroad gasoline; onroad diesel; marine vessels; jet fuel and aviation gasoline; rail; natural gas, LPG
- **Residential/Commercial/Industrial (RCI):** Coal; natural gas; oil; wood (CH₄ and N₂O)
- **Electricity, Net Consumption-based:** Coal; natural gas; petroleum; biomass and waste (CH₄ and N₂O)
- **Agriculture:** Enteric fermentation, manure management, agriculture soils
- **Industrial Processes:** Cement manufacture (CO₂); aluminum production (CO₂, PFC); limestone and dolomite use (CO₂); soda ash; ODS substitutes (HFC, PFC, SF₆); semiconductor manufacturing (HFC, PFC, SF₆), electric power T&D (SF₆)
- **Waste Management:** Solid waste management; wastewater management
- **Fossil Fuel Industry:** Natural gas industry (CH₄), coal mining (CH₄), oil industry (CH₄)