



SEATTLE CITY COUNCIL
ENERGY AND ENVIRONMENT COMMITTEE*
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Moving Beyond Coal
Toward a Cleaner Energy Future



The Tale of Two Electrical Outlets

Puget Sound Energy's coal power leaves a big footprint in WA.

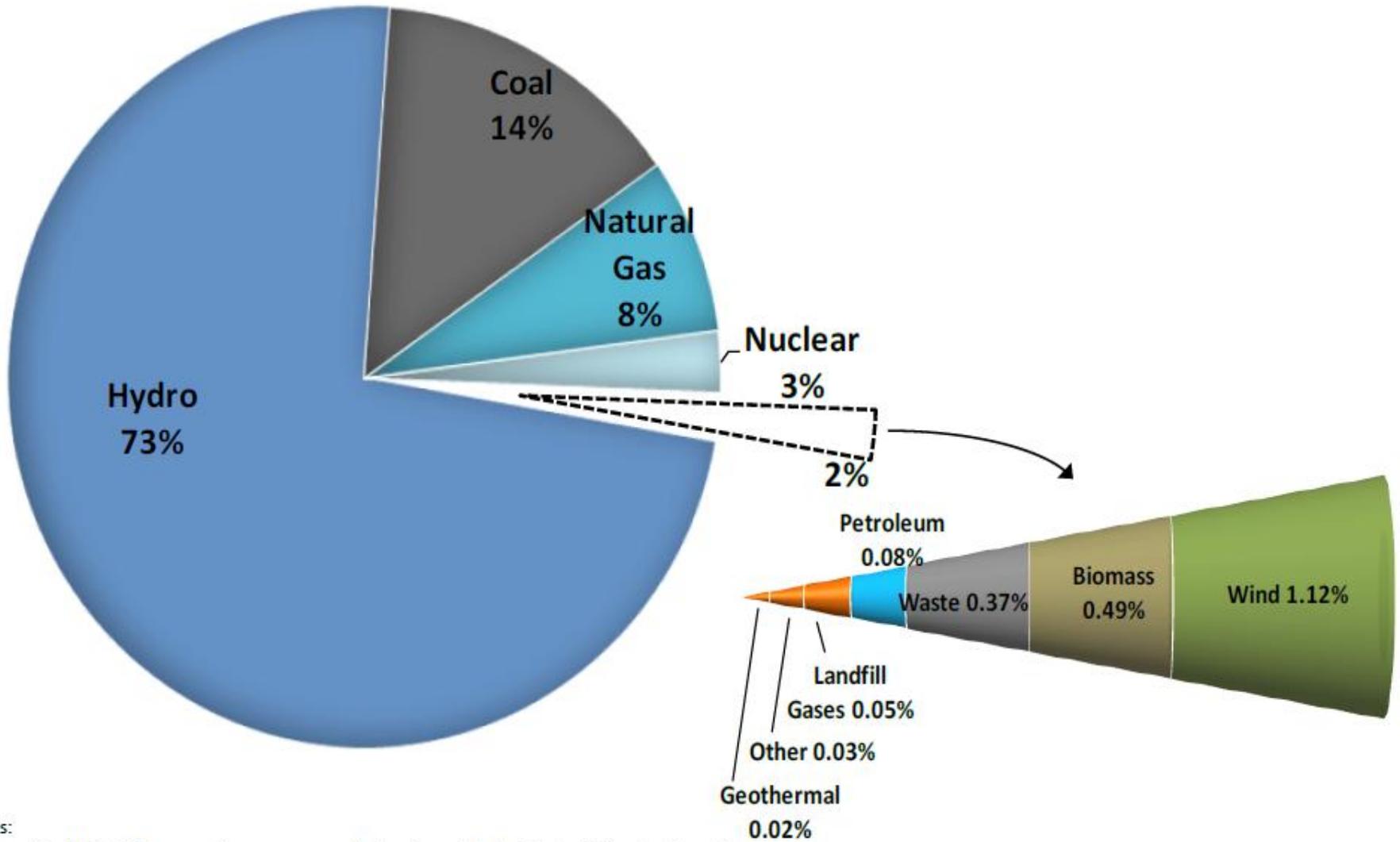
Jennifer Langston on January 4, 2012 at 3:30 pm

This post is part of the research project: [The Dirt on Coal](#)



Washington State Electric Utilities Aggregate Fuel Mix 2011

(megawatt hours) Page 1 of 2

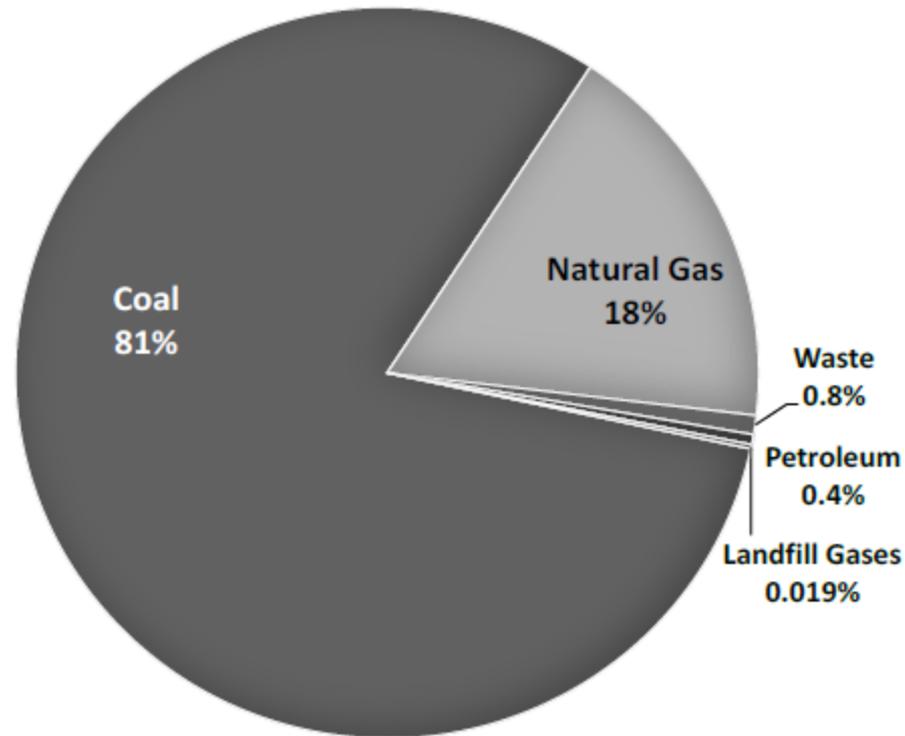


Notes:

- Fuel Mix' is the range of energy sources that make up total retail electricity sales to customers.

2011 Washington State Aggregate Electric Utility CO₂ Emissions by Fuel Type

(emissions resulting from electricity sold to Washington residents)



Fuel Type	Tons of CO ₂
Coal	14,131,168
Natural Gas	3,081,956
Waste	146,863
Petroleum	76,738
Landfill Gases	33,894
Total CO ₂	17,470,620

Other Emissions	
SO ₂ (tons)	15,098
NO _x (tons)	20,236
Hg (lbs)	520

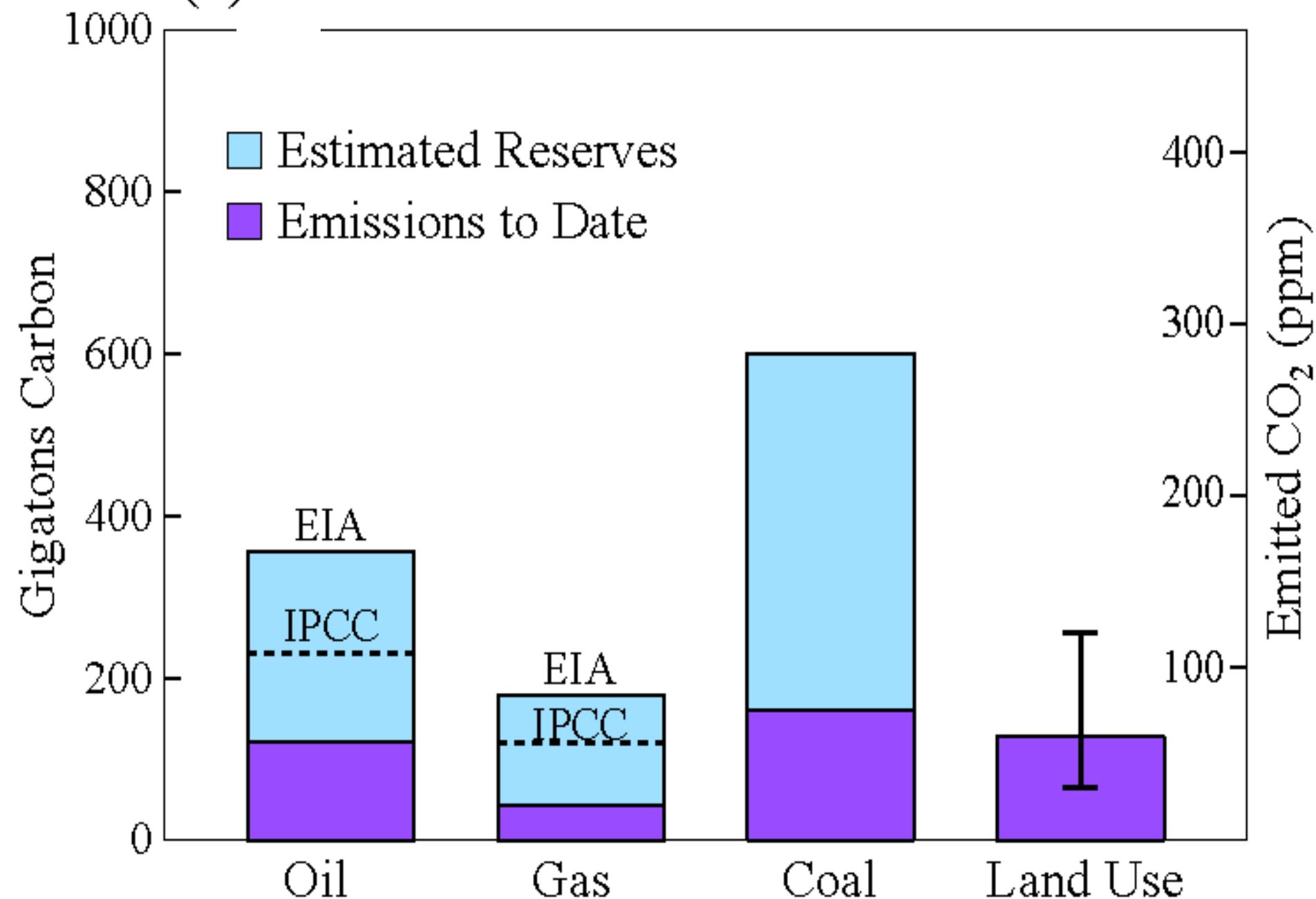
Notes:

- Emissions are allocated by amount and type of fuel purchased by electric utilities serving Washington State customers.
- Figures include BPA direct sales to end-users in the state of Washington.
- Natural Gas includes cogeneration; mostly comprised of the heat energy produced by a plant heat engine or power station that simultaneously generates electricity and steam energy.
- CO₂=carbon dioxide, SO₂=sulfur dioxide, NO_x=nitrogen oxides, Hg=mercury.
- Landfill Gases: electricity produced by a plant that uses waste gases produced by the decomposition of organic materials in landfills.
- Figures are rounded upward.

Megawatt hours of Coal in Washington

Puget Sound Energy	7,236,654
Avista	1,373,184
Pacific Power and Light	<u>1,615,529</u>
Total	10,225,367
Publics Utilities	<u>2,675,269</u>
WA total	12,900,636

(a) Fossil Fuel and Net Land Use Emissions



STATE OF WASHINGTON VIEWS.



Rutter, Photo.

Tacoma, Wash.