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Eastern Idaho Report | February 21, 2022



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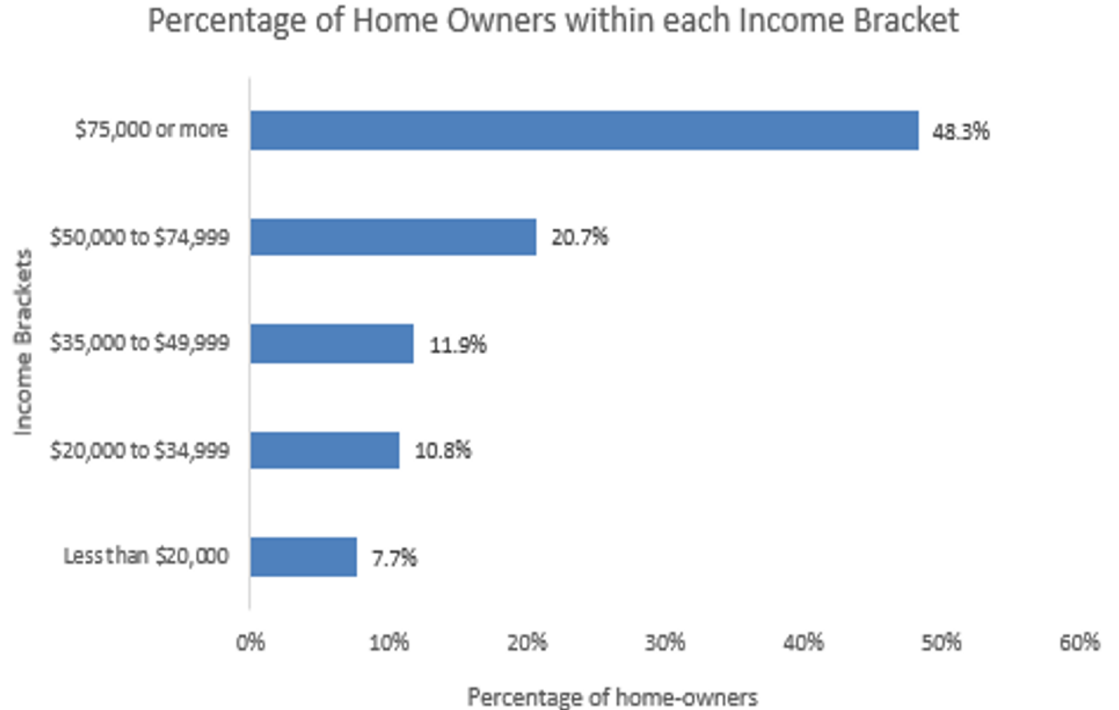
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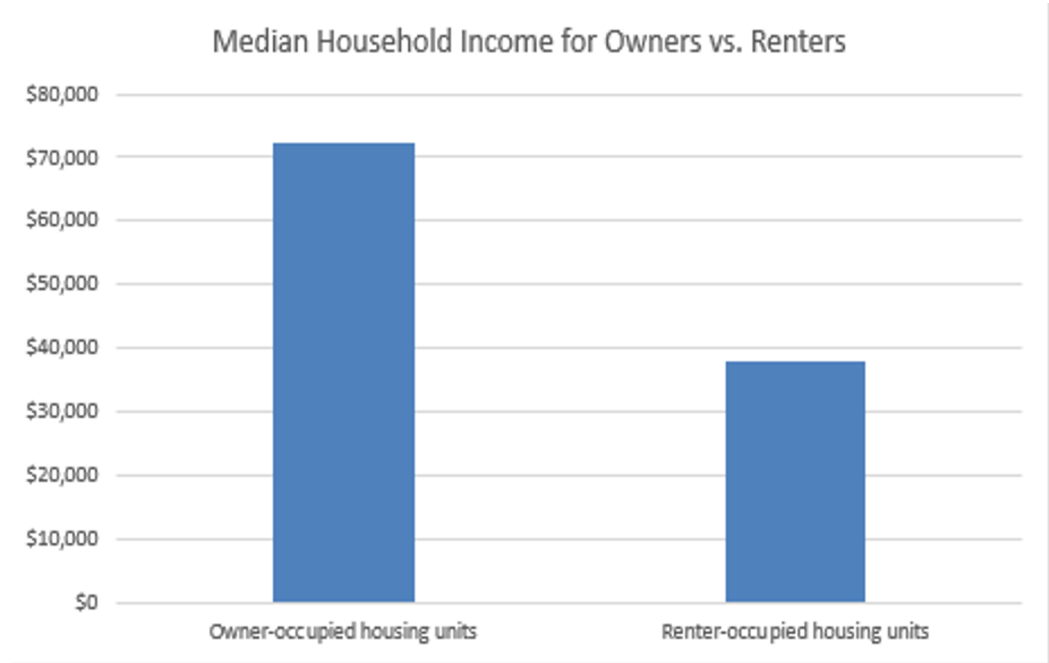
- Percentage of Homeowners within each Income Bracket
- Median Household Income for Homeowners vs. Renters (2019)
- Number of People by How Much They Pay for Housing (2019)
- Housing Costs for Renters in Idaho by City (2022)
- Total Primary Energy Production for Western States in 2019
- Percentage Comparison of Total Annual Energy Production for Western States
- Estimated Annual Energy Production from Three Fuel Sources (2019)
- Annual Energy Production from Fossil Fuels for Western States (2019)
- Annual Energy Production from Renewables for Western States (2019)
- Annual Energy Production from Nuclear Electric Power for Western States
- Estimated Annual Energy Production in Idaho (2019)
- House price index Western states comparison (2021)
- Automatic Cost-Of-Living Adjustments received since 1984
- APPENDIX (BTU Units)
- Student Profiles

- Almost half of the homeowners in Idaho have a household income of over \$75,000
- Nearly double the number of homeowners have a household income between \$50,000 and \$74,999, when compared to those in lower income brackets



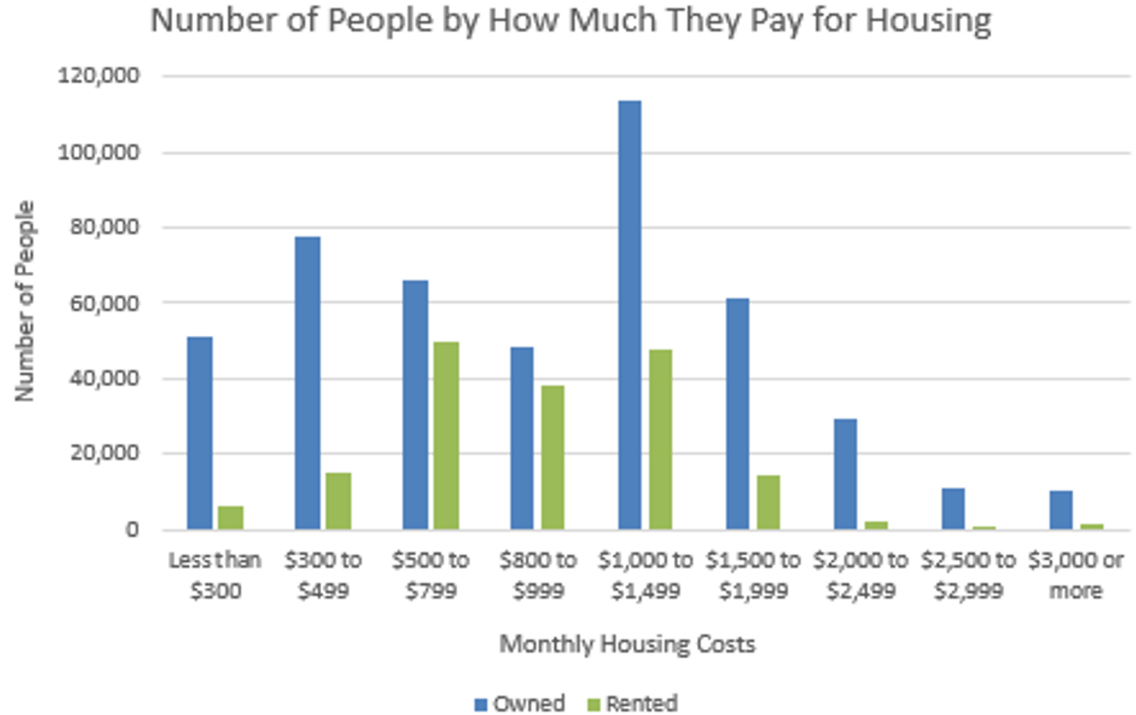
Source: <https://data.census.gov/cedsci/table?q=housing%20costs&g=0400000US16&tid=ACSST1Y2019.S2503>

The median household income for homeowners in Idaho is 89% higher than those who rent



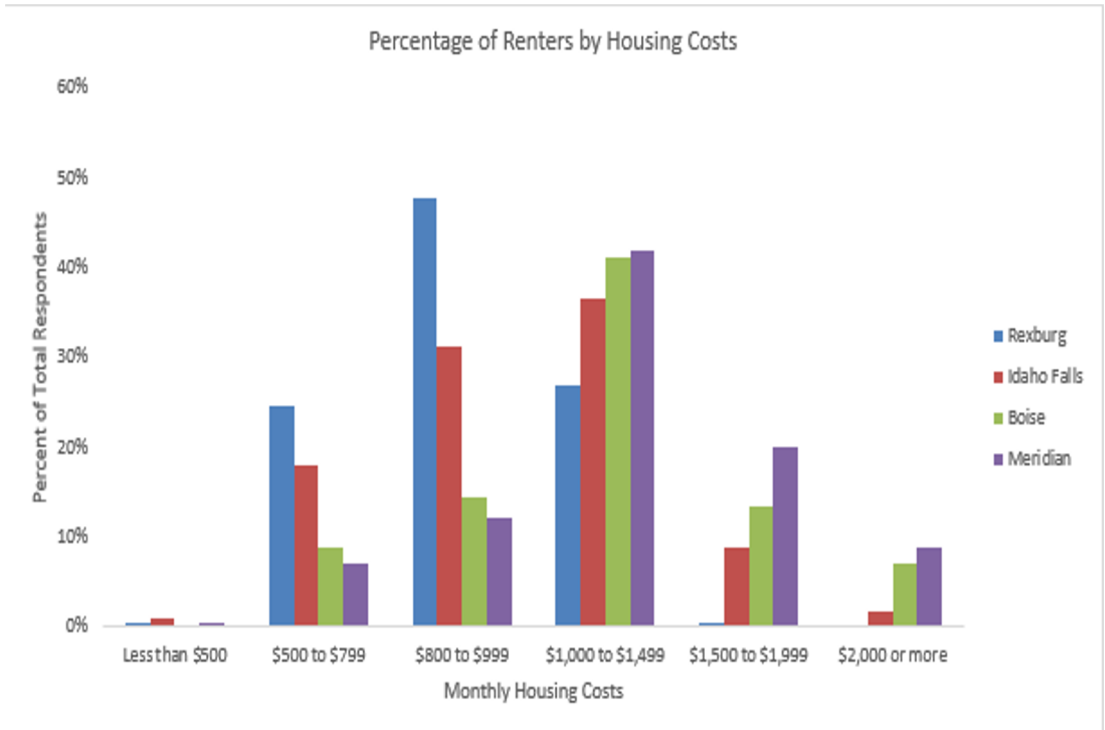
Source: <https://data.census.gov/cedsci/table?q=housing%20costs&g=0400000US16&tid=ACSST1Y2019.S2503>

- Most homeowners in Idaho pay between \$1,000 to \$1,499 per month in housing costs (mortgage, utilities, etc.)
- The two most populous ranges for monthly housing costs for renters are \$500 to \$799 and \$1,000 to \$1,499
- Homeowners are more likely to pay higher housing costs than renters



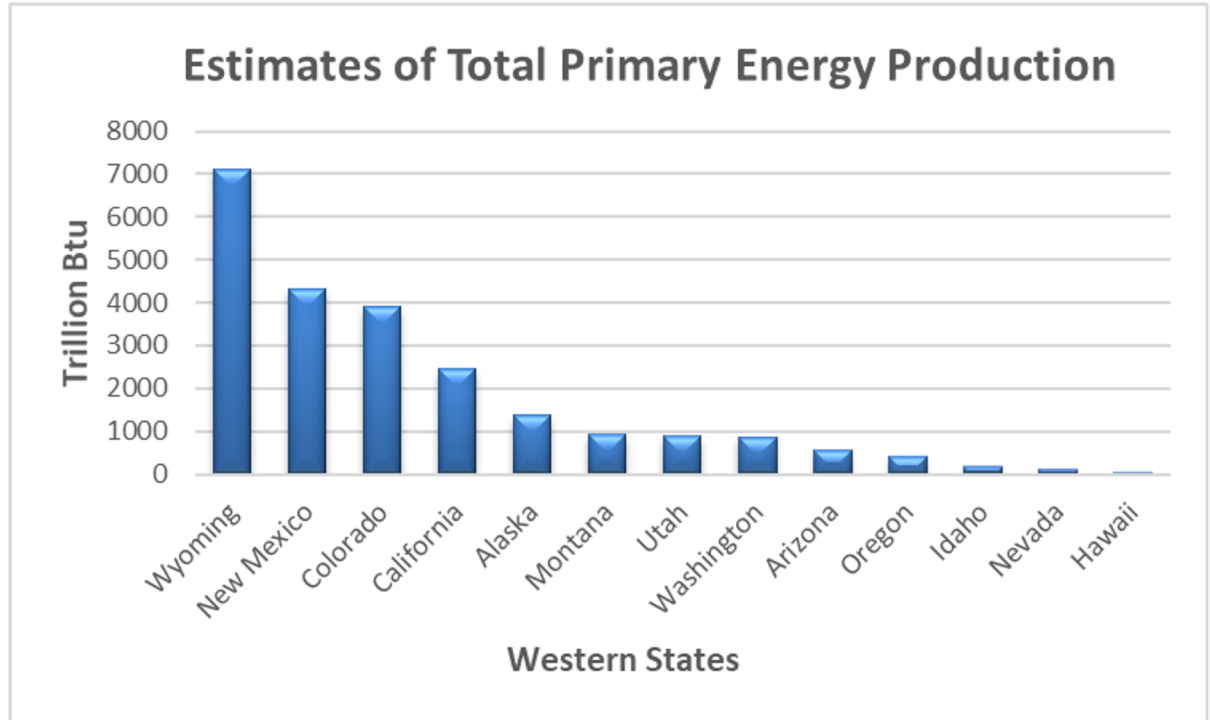
Source: <https://data.census.gov/cedsci/table?q=housing%20costs&g=0400000US16&tid=ACSST1Y2019.S2503>

- Rexburg and Idaho Falls seem to have a higher proportion of renters paying between \$500 and \$999
- Boise and Meridian have higher percentages for those paying between \$1,000 to \$1,999
- Meridian appears to be more expensive in terms of housing costs as residents report as 29.9% report paying over \$1,500



Source: Survey conducted by the RBDC using Facebook groups based in Rexburg, Idaho Falls, Boise, and Meridian

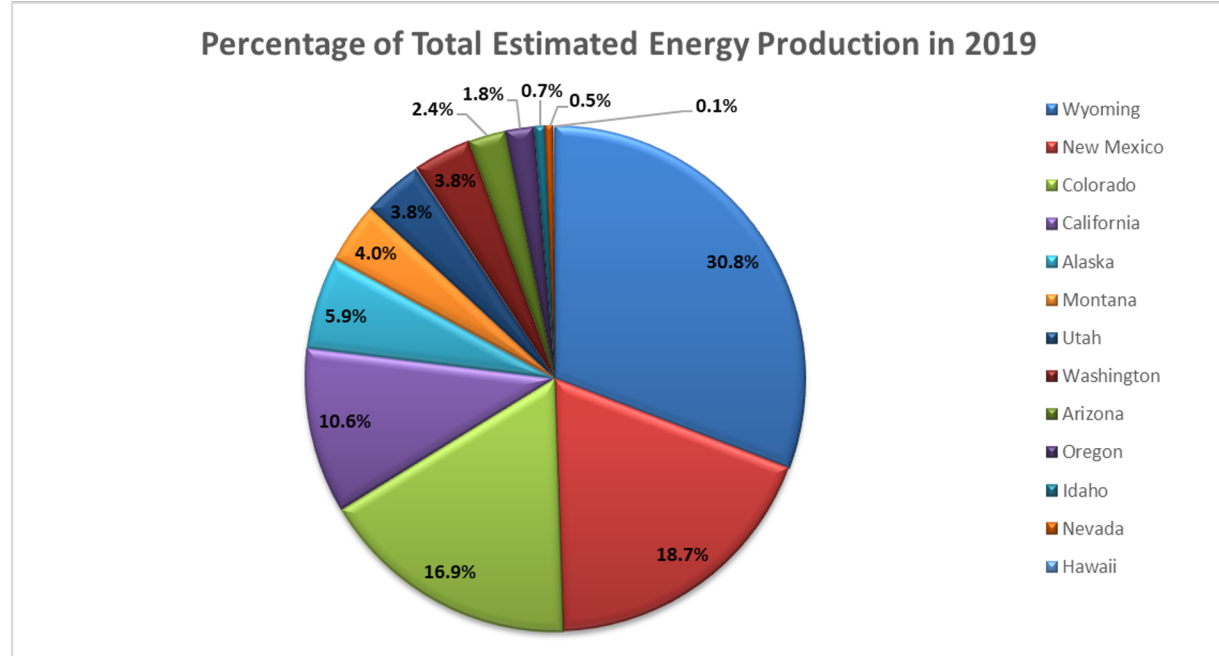
- Wyoming has the highest energy production out of all the Western States, 7,117.5 trillion Btu.
- Idaho, Nevada, and Hawaii produce the least at 170.3, 114.8 and 25.3 trillion Btus respectively.
- Btu means British Thermal Unit. It is a standard measurement used to measure the amount of heat contained in energy sources.



Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

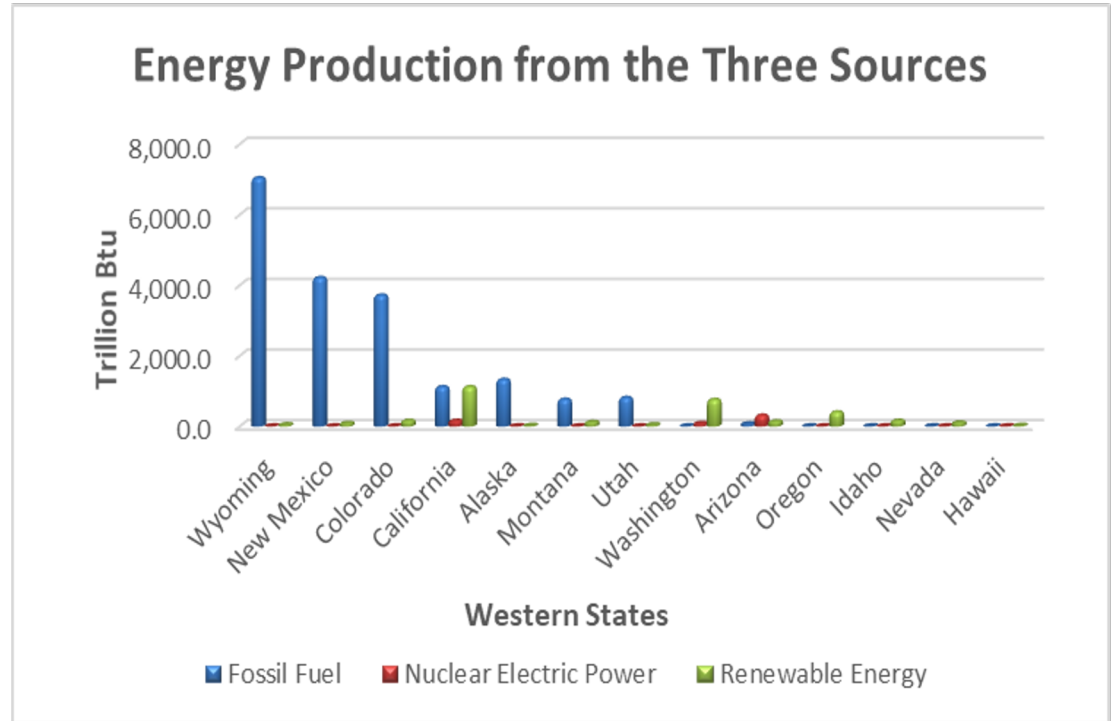
<https://www.eia.gov/energyexplained/units-and-calculators/british-thermal-units.php>

- Wyoming produces 30.8% of energy, the highest out of all western states.
- Idaho produces 0.7% of total energy production.
- While, Nevada and Hawaii produce a combined 0.6% of total energy production.



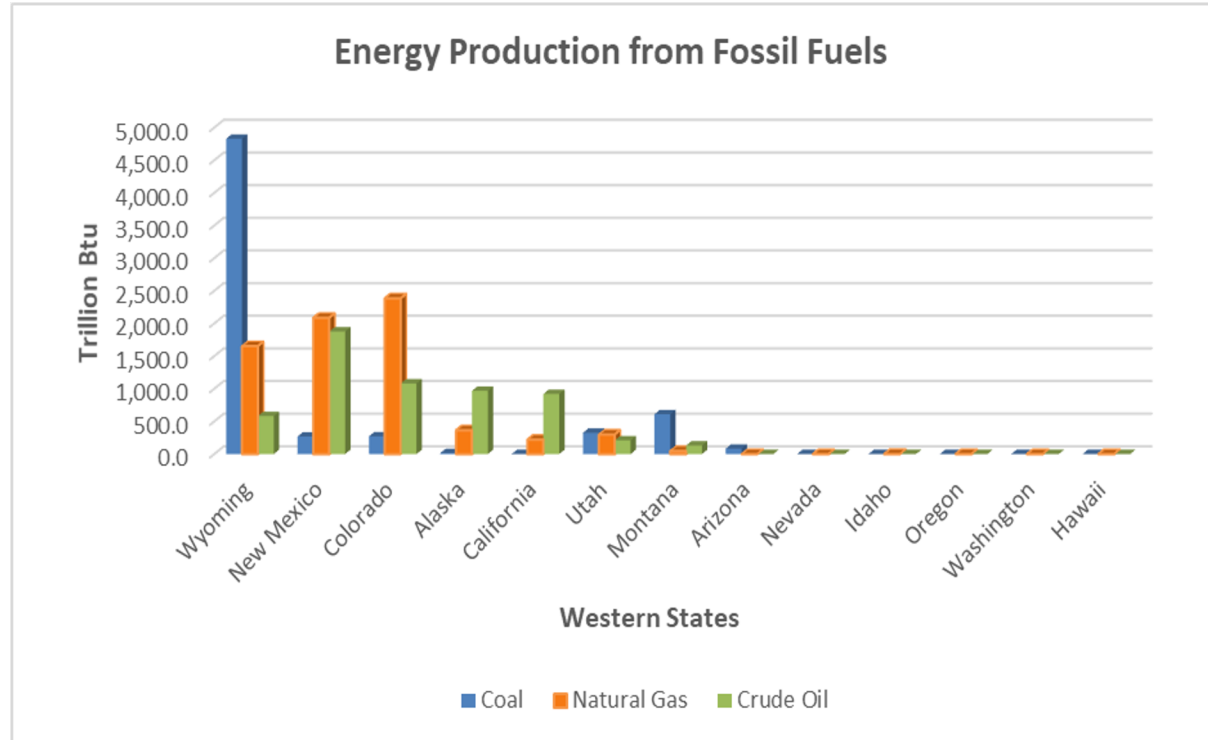
Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

- Idaho produces most of its energy from Renewable sources, approximately 169 trillion Btu.
- Seven of the thirteen western states produce most of their energy from fossil fuels. Wyoming produces the highest at 7,064 trillion Btu.
- California has a healthy production balance, with production from fossil fuel and nuclear energy being almost equal.
- Washington and Hawaii do not produce energy from fossil fuels.



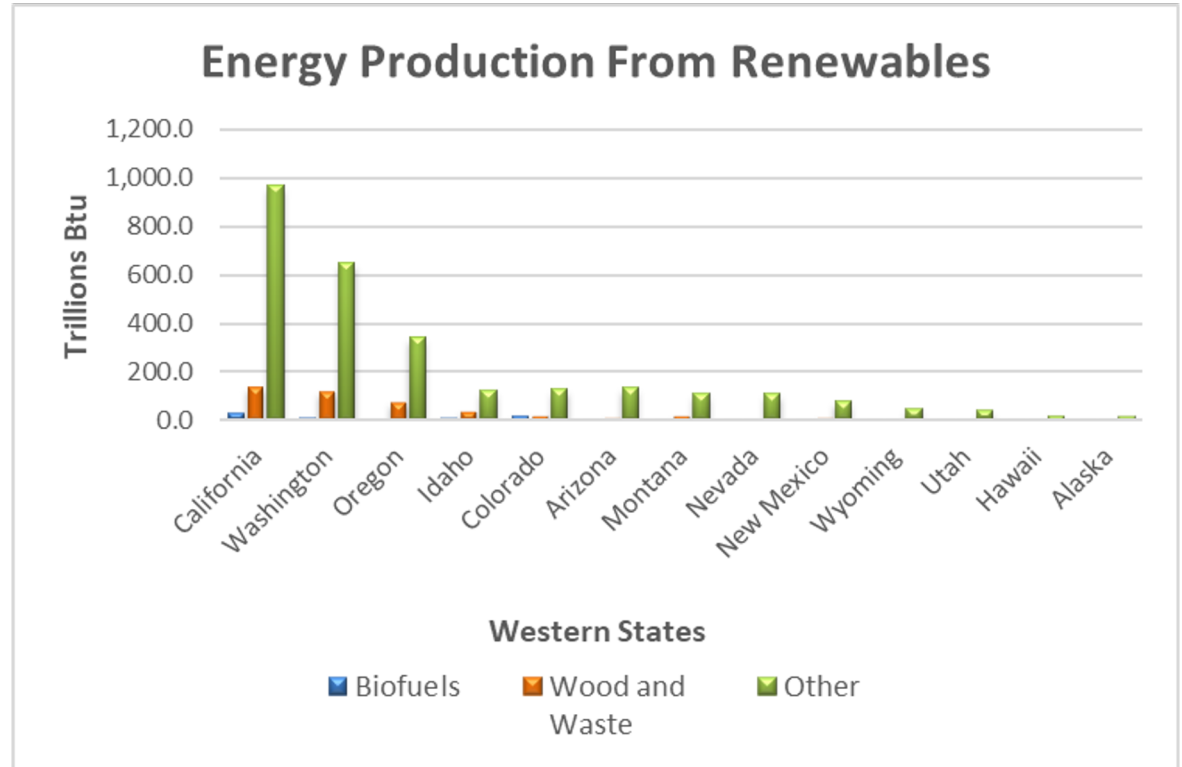
Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

- Wyoming produces most of its energy from coal. It produces 4,828.5 trillion Btu annually which is 75% of the total production from coal for all the western states.
- Colorado produces most of its energy from Natural Gas. It produces 2,385 trillion Btu annually.
- Idaho does not use produce energy from coal. The state produces most of its energy from Natural gas, approximately 1.1 trillion Btu.



Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

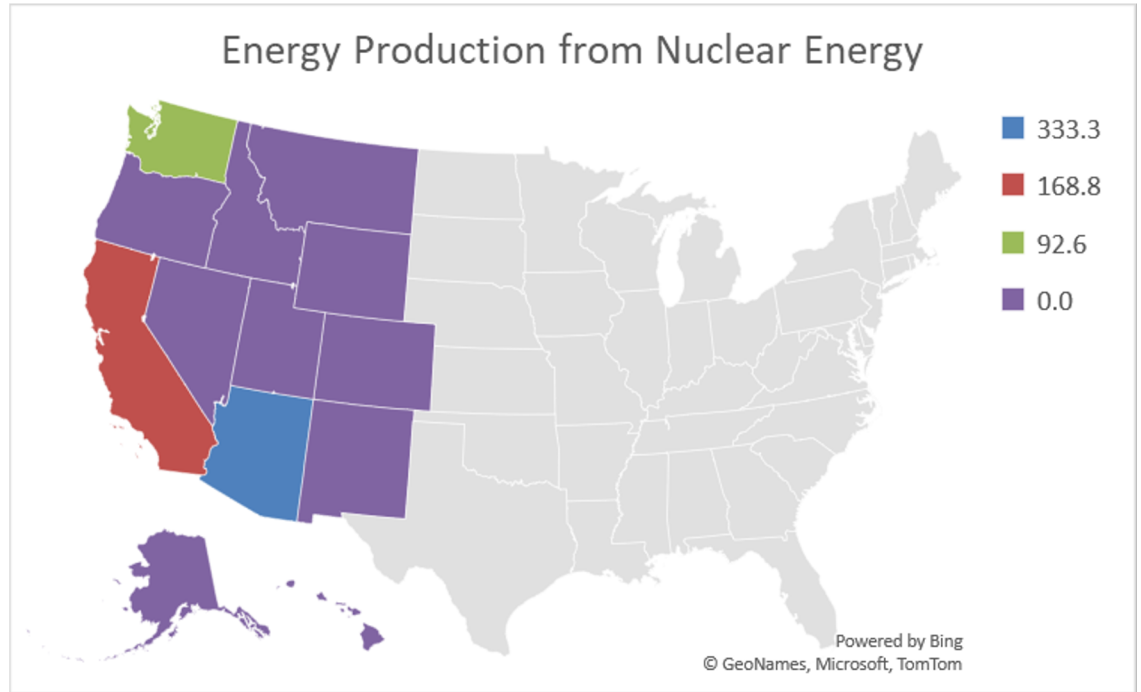
- California is the largest producer of energy from Renewable sources out of all thirteen states.
- Most of the energy production comes from other which includes hydroelectric and geothermal energy (968.9 trillion Btu).
- Idaho is the fourth largest producer of energy from renewables. It produces 122.6 trillion Btu.



Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

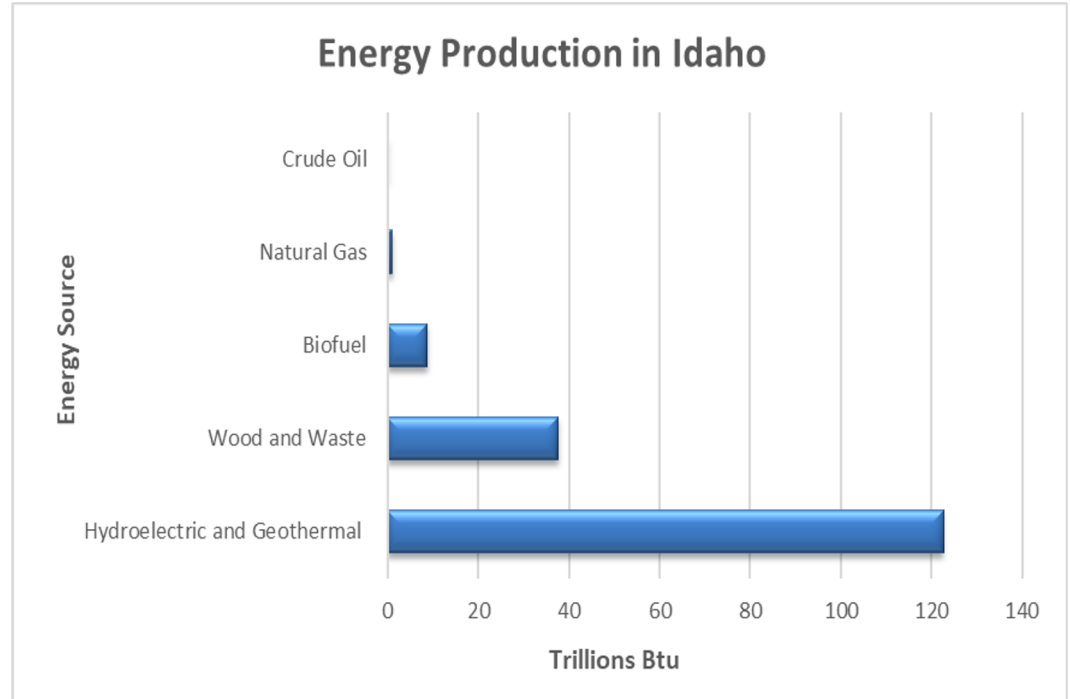


- Arizona, California and Washington are the only western states that produce energy from Nuclear Electric Power.
- Arizona produces the most, approximately 56% of total produced by all three states.
- Energy production is measured in Btu.



Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

- Idaho produces most of its energy from Renewable sources.
- 122.6 trillion Btu is produced from Hydroelectric and Geothermal, which represents 72% of energy production.
- 37.7 trillion Btu is produced from Wood and Waste, representing 22% of energy production.
- 8.8 trillion Btu is produced from Biofuels, representing 5.2% of energy production.



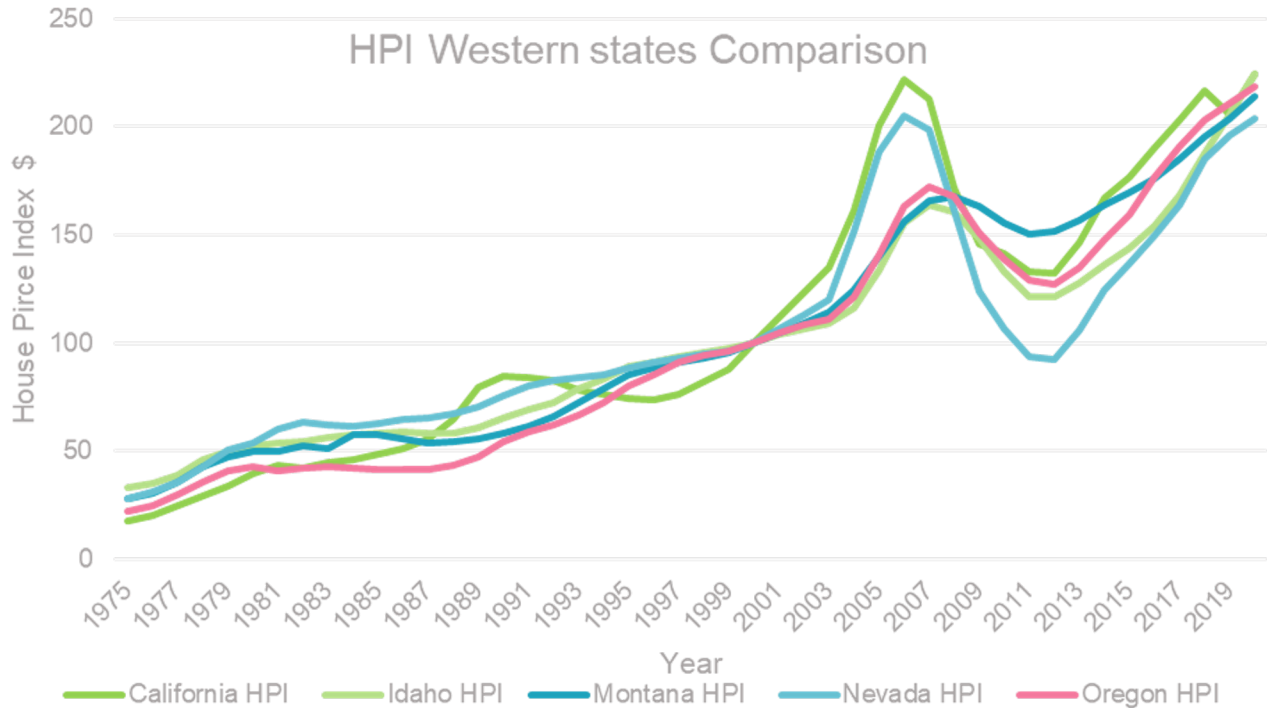
Source: <https://www.eia.gov/state/seds/seds-data-complete.php?sid=US>

- California and Nevada biggest increase was from 2002 to 2006.

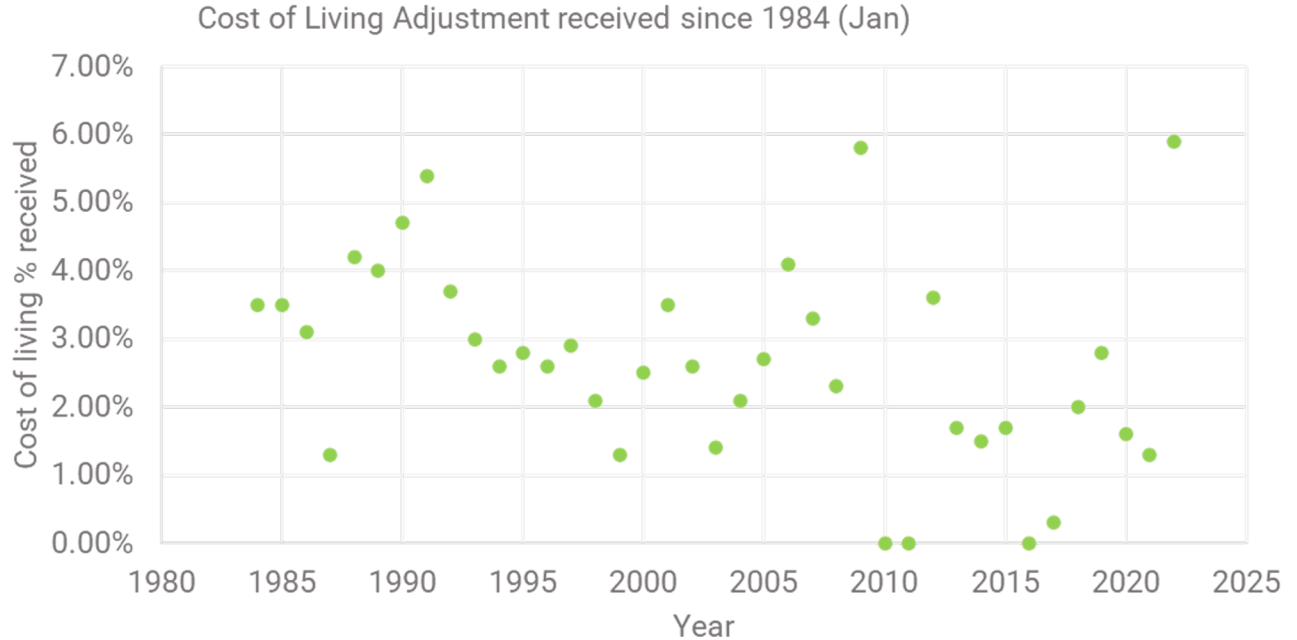
Comparing Western states
California, Idaho, Montana,
Nevada and Oregon HPI. (Not
Seasonally Adjusted (NSA))

- California and Nevada biggest increase was from 2002 to 2006.

- Nevada had a high decrease after the 2008 recession from 2011-2013. Idaho has a similar behavior, and the recovery is very similar as Nevada from 2015 to 2019.



- Social Security and Supplemental Security Income (SSI) benefits for approximately 70 million Americans will increase 5.9 percent in 2022
- Since 1982, COLAs have been effective with benefits payable for December (received by beneficiaries in January)



- Btu means British thermal unit. Btu is a standard unit of measurement that measures the amount of heat contained in energy sources.
- Btu is therefore, “the quantity of heat required to raise the temperature of one pound of liquid water by 1 degree fahrenheit at the temperature that water is at its greatest density, which is about 39 degrees fahrenheit”¹.
- One British thermal unit (Btu) is approximately equal to the energy released by burning a match.

Sample Btu conversion factors	
Energy Source/fuel	Physical units and Btu
Electricity	1 kilowatthour = 3,412 Btu
Natural gas	1 cubic foot = 1,037 Btu
	1 therm = 100,000 Btu
Motor gasoline	1 gallon = 120,286 Btu
Diesel fuel	1 gallon = 137,381 Btu
Heating oil	1 gallon = 138,500 Btu
Propane	1 gallon = 91,452 Btu
Wood	1 cord = 20,000,000 Btu

¹*Units and Calculators Explained*. Homepage - U.S. Energy Information Administration (EIA). (2021, May 13). Retrieved February 4, 2022, from <https://www.eia.gov/>



Student Profiles

Caden Motiuk

<https://www.linkedin.com/in/cadenmotiuk/>

Tamara Morris-Lawton

www.linkedin.com/in/tamara-morris-lawton-a03322b3

Belsabetd Herrera

<https://www.linkedin.com/in/belsa-herrera-40538753/>

Ivan Miranda

ivanmiranda98@gmail.com

Melvyn Sosa Correa

msosacorrea@gmail.com