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Price Prediction

Electricity Prices and CO2 Emissions Dashboard

Electricity Sales Dashboard



CO2 Emissions Dashboard





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Price Prediction

Year

☐ Select all

☐ 2014

☐ 2015

☐ 2016

☐ 2017

☐ 2018

4bn

Total Customers

114.0...

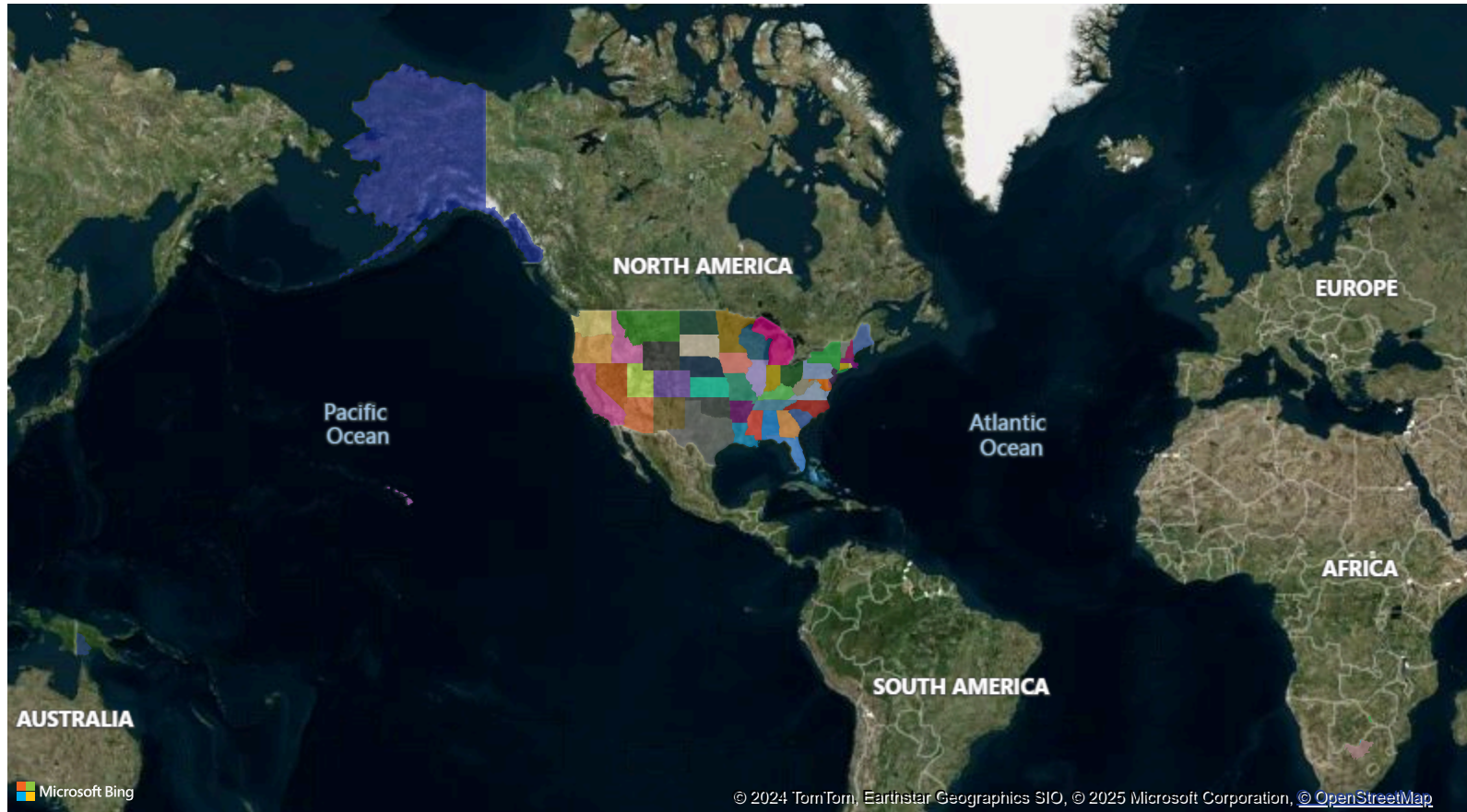
Total Electricity Sales

Electricity prices have increased by 22.55% over the last 9 y...

Electricity Price Trend

Total Revenue and Total Electricity Sales by Location and State Name

State Name Alabama Alaska Arizona Arkansas California Colorado Connect... Delaware District ... East Nor...



9.65

Avg Price for Earliest Ye...

11.83

Avg Price for Latest Year

10.12

Average Electricity Price

12.49M

Total Revenue



Electricity Sales Dashboard

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Year

☐ Select all

☐ 2014

☐ 2015

☐ 2016

State ID

☐ Select all

☐ AK

☐ AL

☐ AR

☐ AZ

☐ CA

☐ CO

Sector ...

☐ Select all

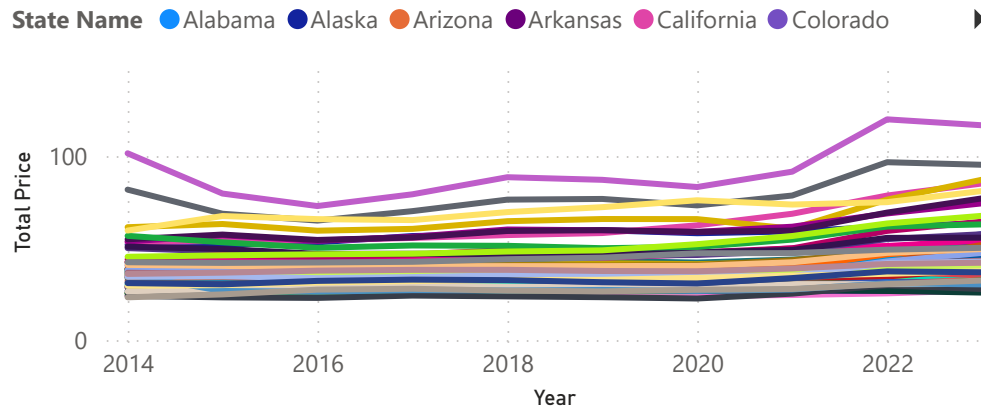
☐ COM

☐ IND

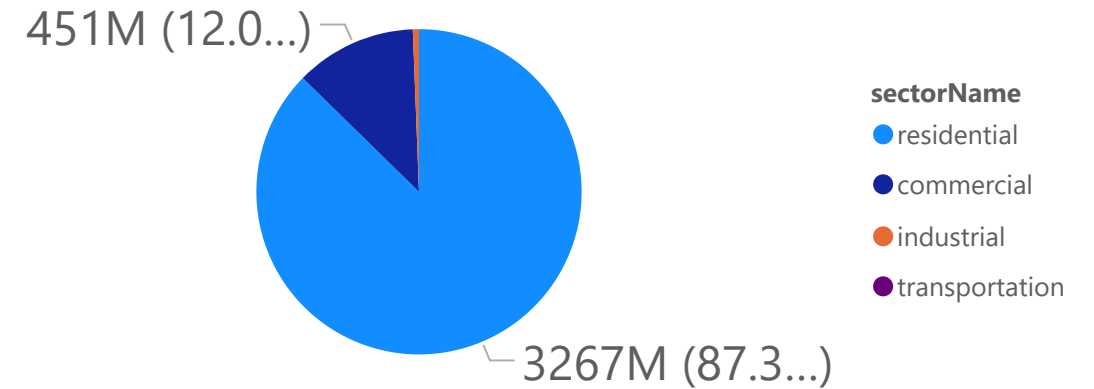
☐ RES

☐ TRA

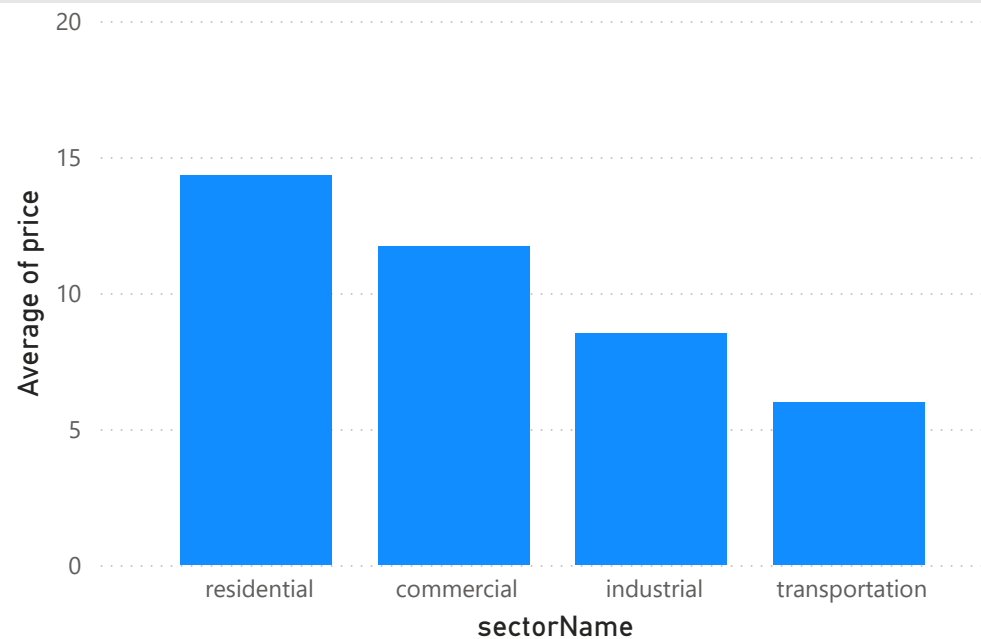
Total Price by Year and State Name



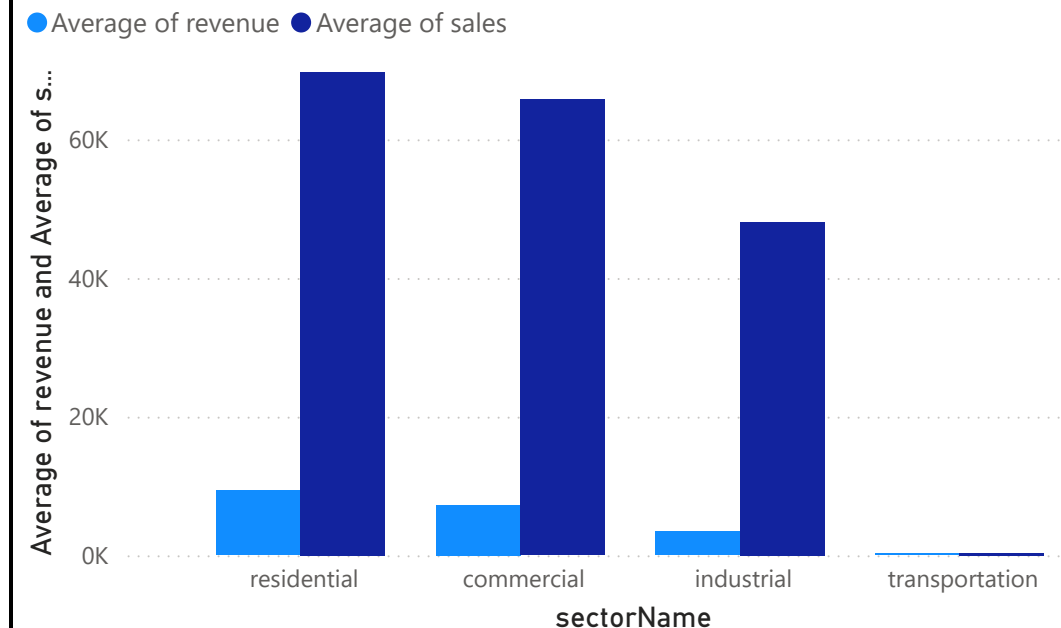
Total Customers Per Sector



Average of price by sectorName



Average of revenue and sales by Sector Name





Electricity Sales Dashboard

Electricity Price Trends

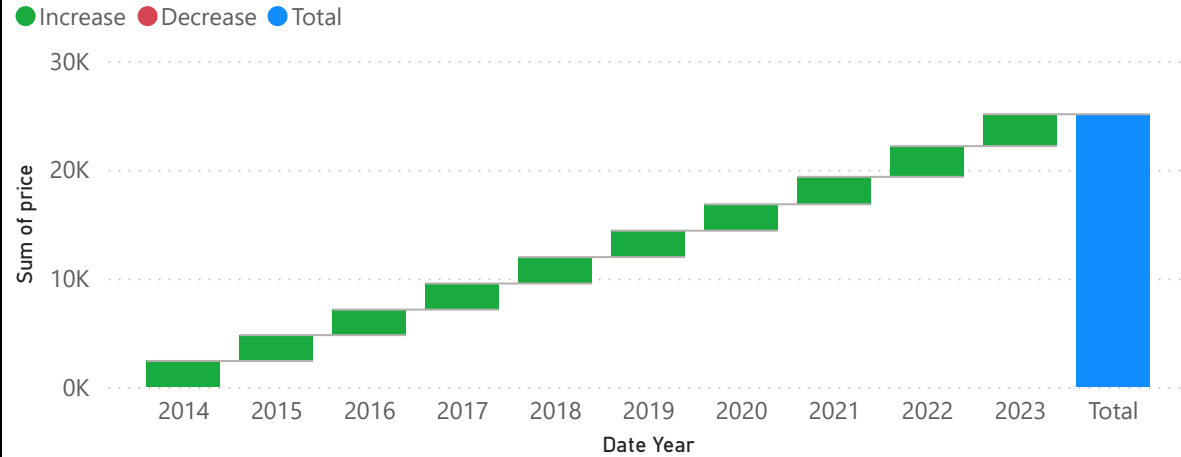
Electricity Price Trends Over Time

CO2 Emission Dashboard

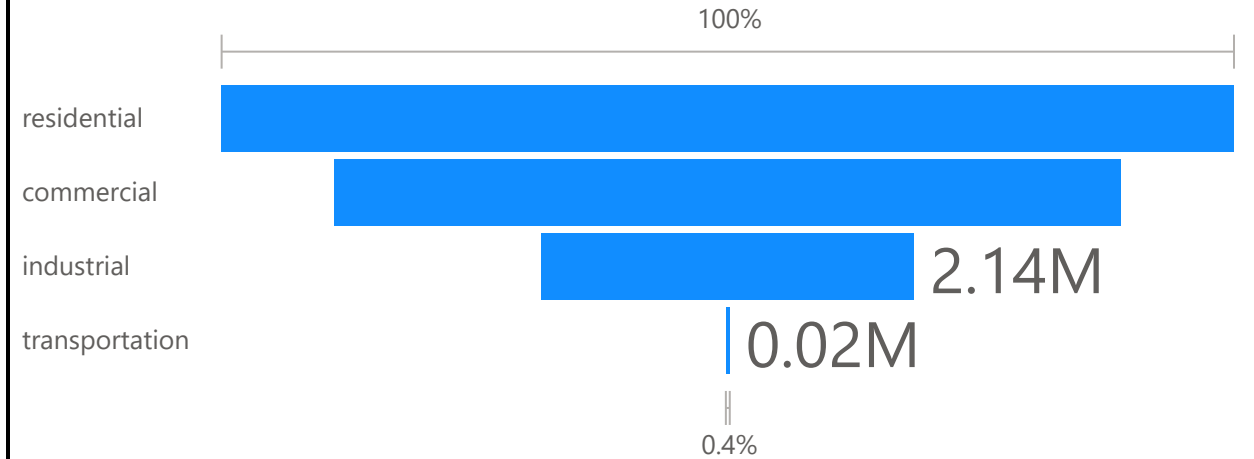
Prices Vs Emissions

Price Prediction

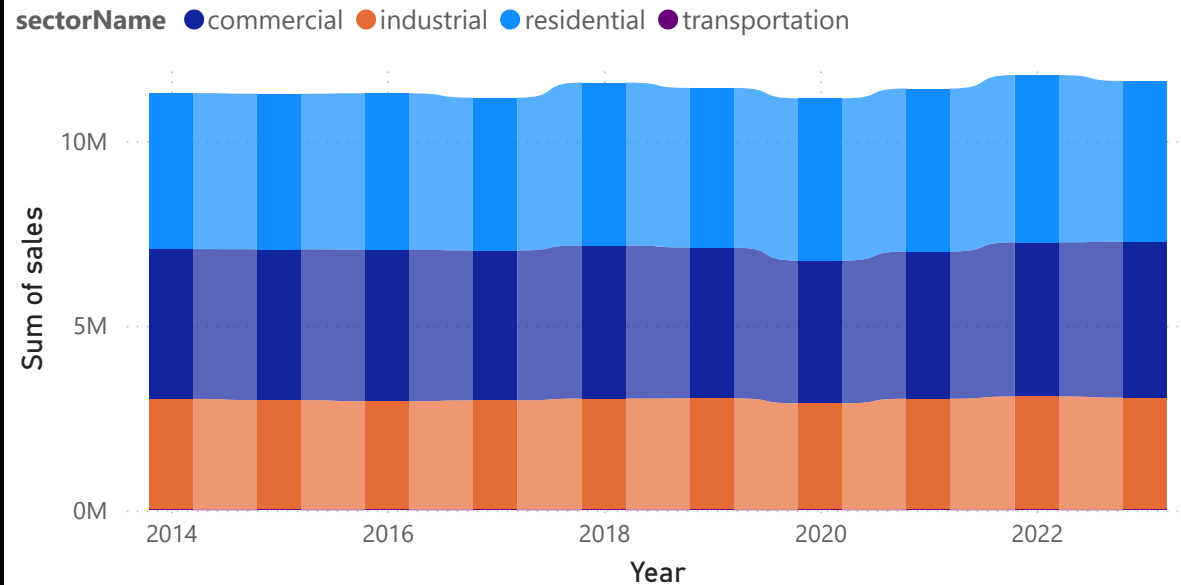
Yearly Change in Total Price



Distribution of Total Revenue by Sector



Sum of sales by Year and sectorName



Self - Analysis

Key influencers Top segments



What influences price to ?

When...

...the average of price decreases by

sectorName is transportation

5.52

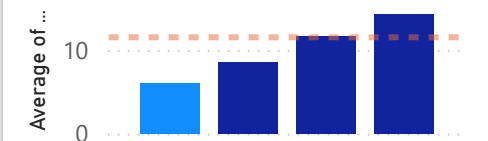
State Name is Idaho

4.03

sectorName is industrial

2.17

← price is more likely to decrease when sectorName is transportation than otherwise (on average).



☐ Only show values that are influencers



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Price Prediction

state-name

All

Year

All

91.51K

Total CO2 Emissions

10.91

CO2 Emissions Late...

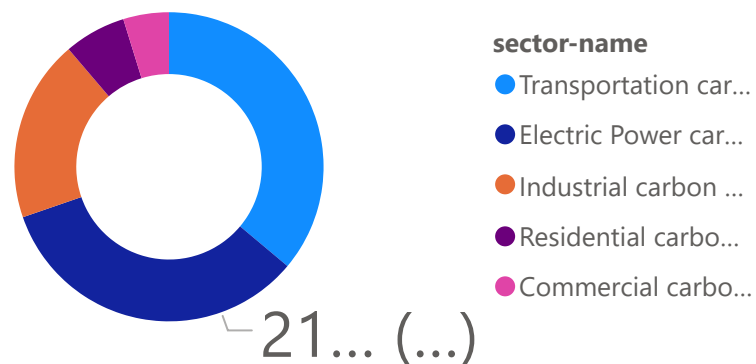
10.84

CO2 Emissions First...

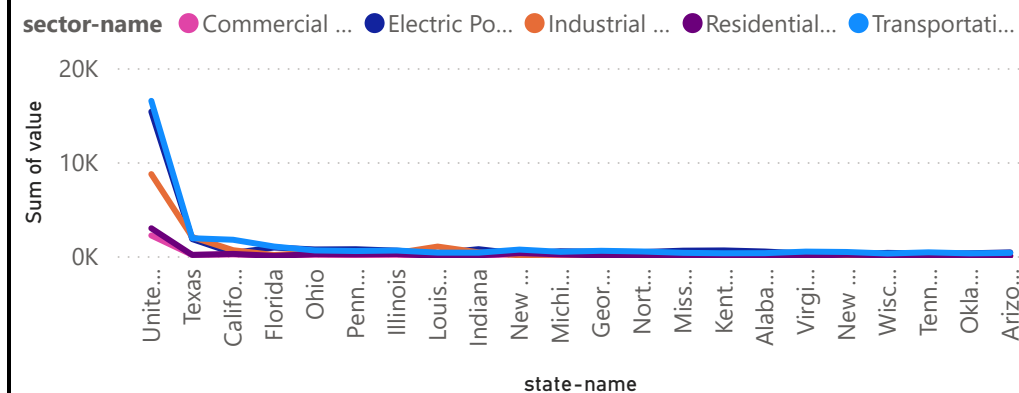
CO2 emissions have increased by 0.60% over the last 8 years.

CO2 Emissions Trend

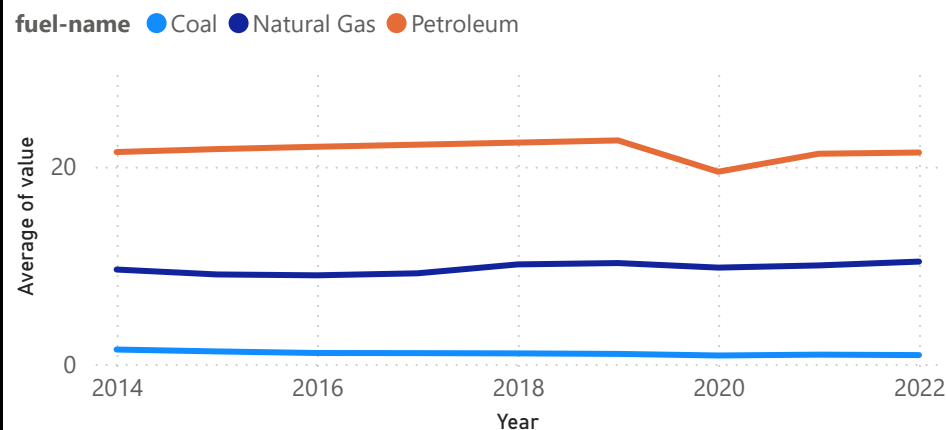
Average of value by sector-name



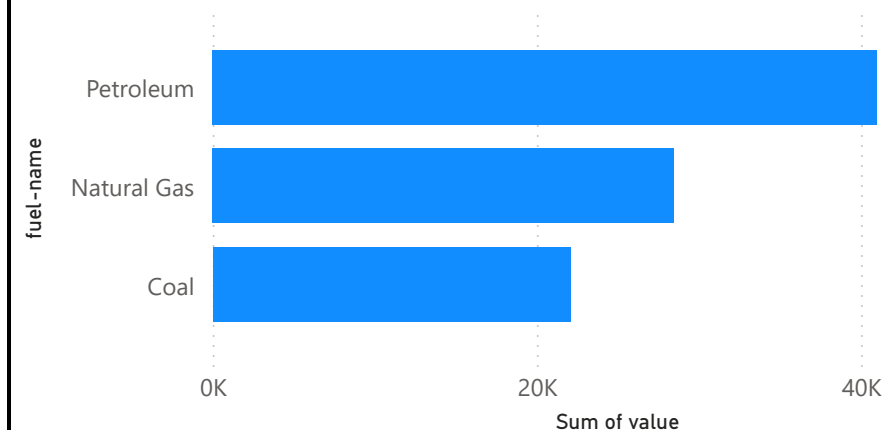
Sum of value by state-name and sector-name



Average of value by Year and fuel-name



Sum of value by fuel-name





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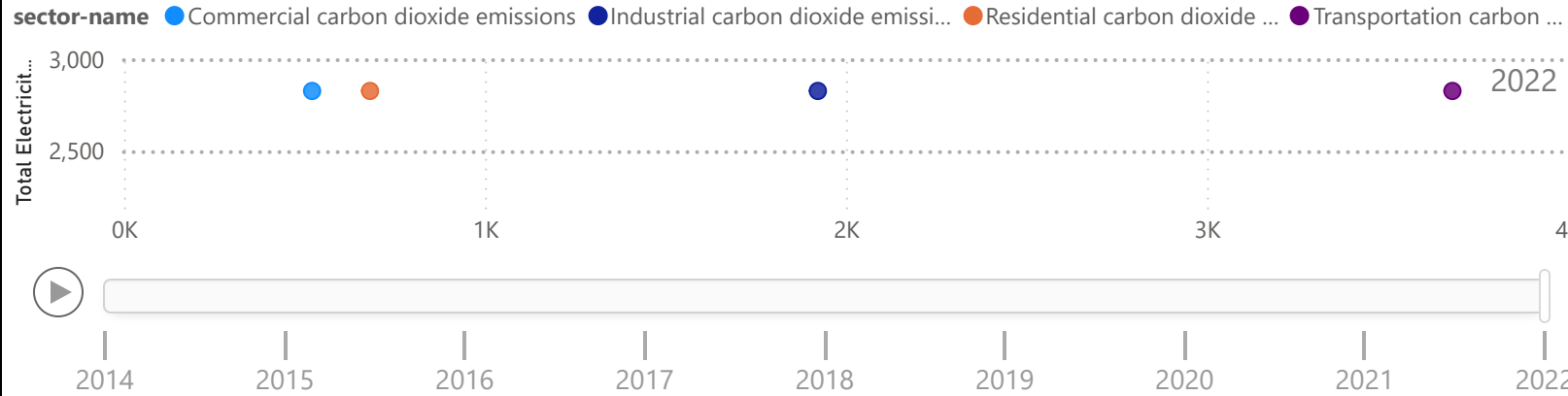
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CO2 Emission Vs Electricity Price



State Name

☐ Select all

☐ Alabama

☐ Alaska

☐ Arizona

☐ Arkansas

☐ California

☐ Colorado

☐ Connecticut

Year

☐ Select all

☐ 2014

☐ 2015

☐ 2016

☐ 2017

☐ 2018

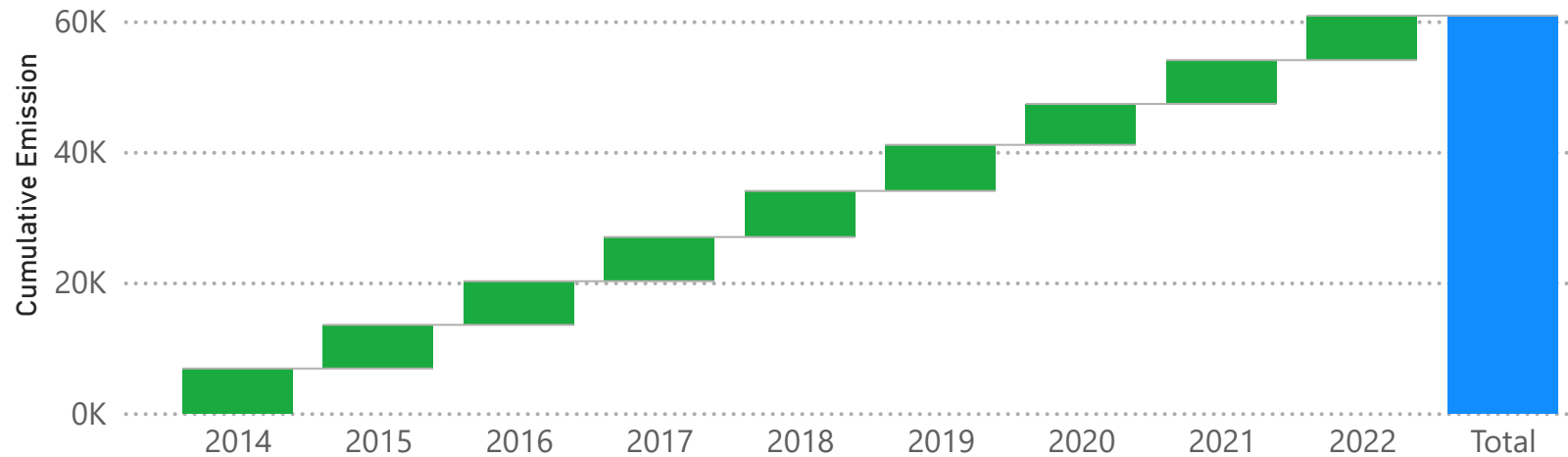
☐ 2019

☐ 2020

State Name	Total CO2 Emission Value	Total Electricity Price
Alabama	519.09	307.00
Alaska	295.95	572.65
Arizona	416.53	384.94
Arkansas	292.35	382.00
California	2,735.84	626.30
Colorado	490.96	407.61
Connecticut	249.03	664.07
Delaware	97.33	313.78
District of Columbia	24.55	440.59
Total	60,846.90	20,554.97

Cumulative CO2 Emission by Year

Increase Decrease Total





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75.55

Forecast Accuracy (%)

Cumulative Actual Price and Cumulative Predicted Price by Year

● Cumulative Actual Price ● Cumulative Predicted Price

