

**DOCKETED**

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California Energy Commission

# Transportation Energy Demand Forecast

## 2019 IEPR Workshop on Transportation Energy Demand Forecast

Aniss Bahreinian

July 22, 2019

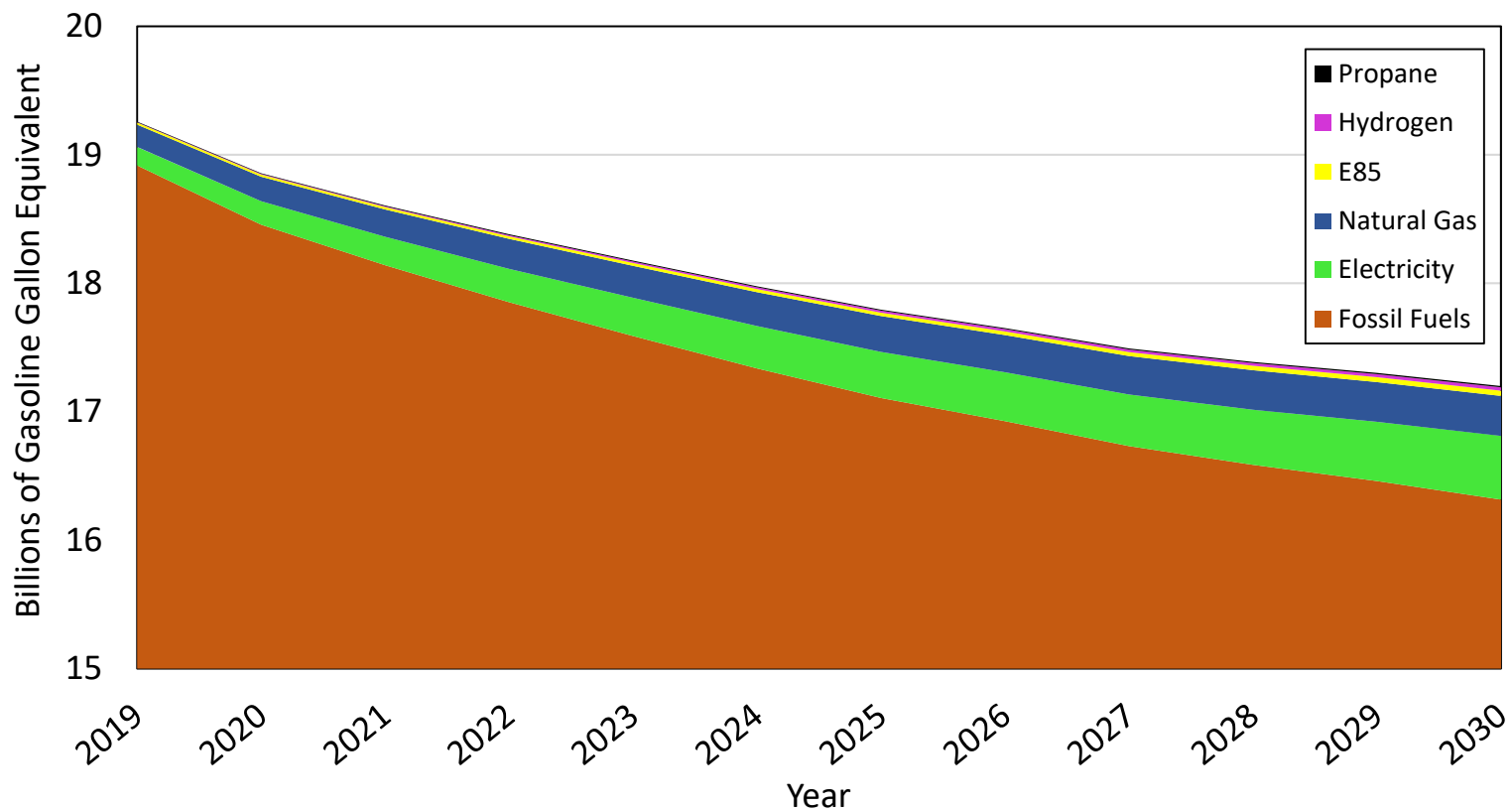
Transportation Energy Forecasting Unit

Demand Analysis Office

Energy Assessments Division

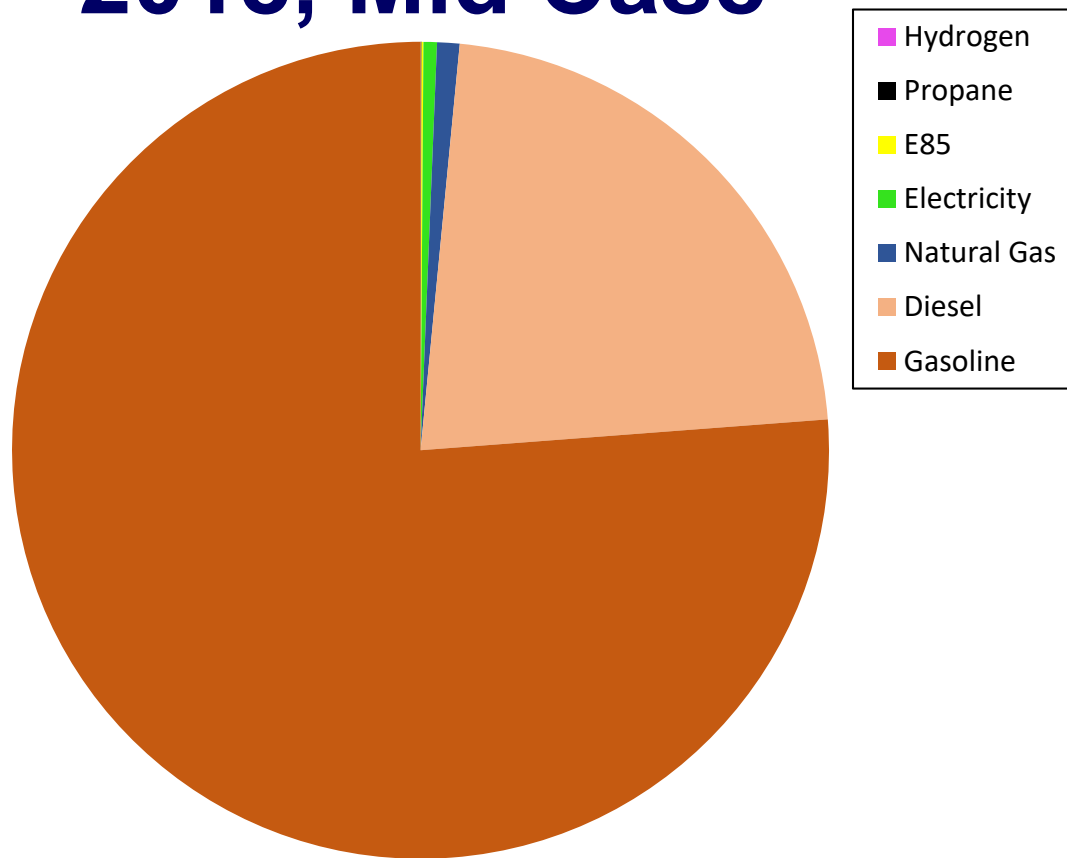


# Transportation Energy Demand: Mid Case



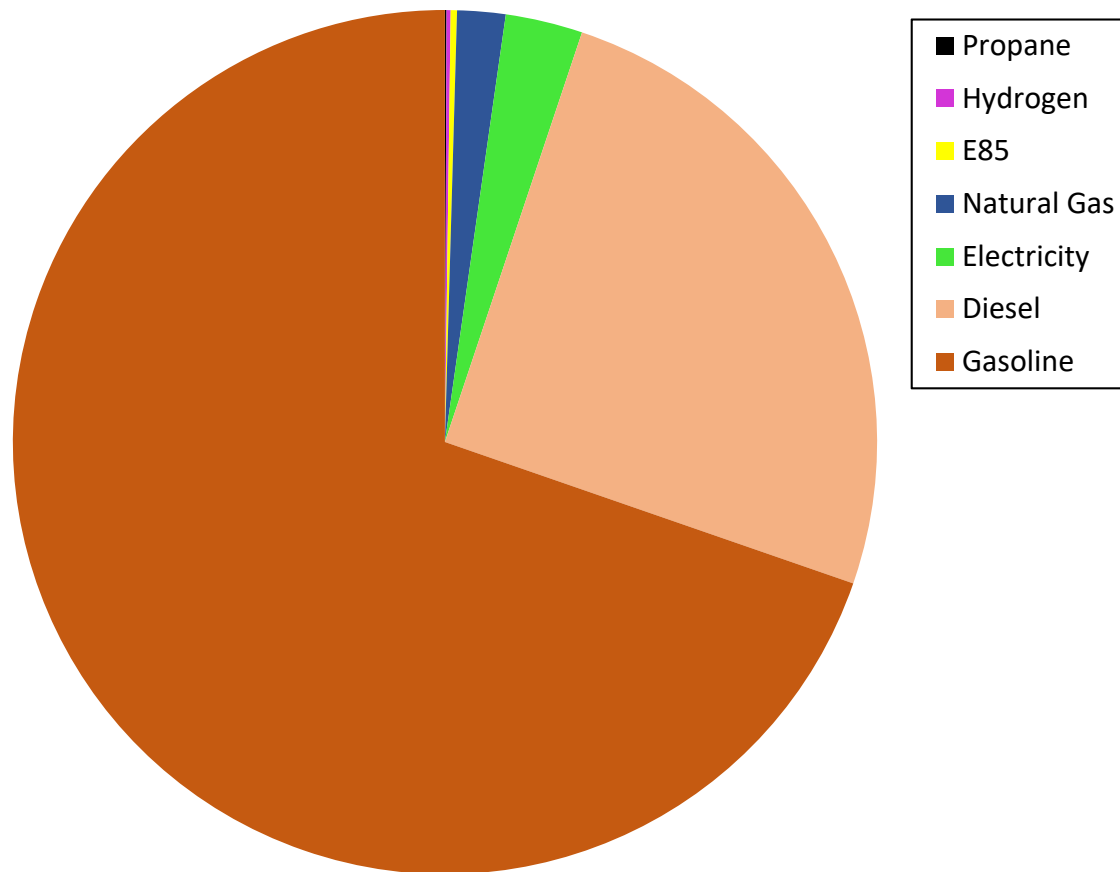


# Transportation Energy Demand, 2018, Mid Case



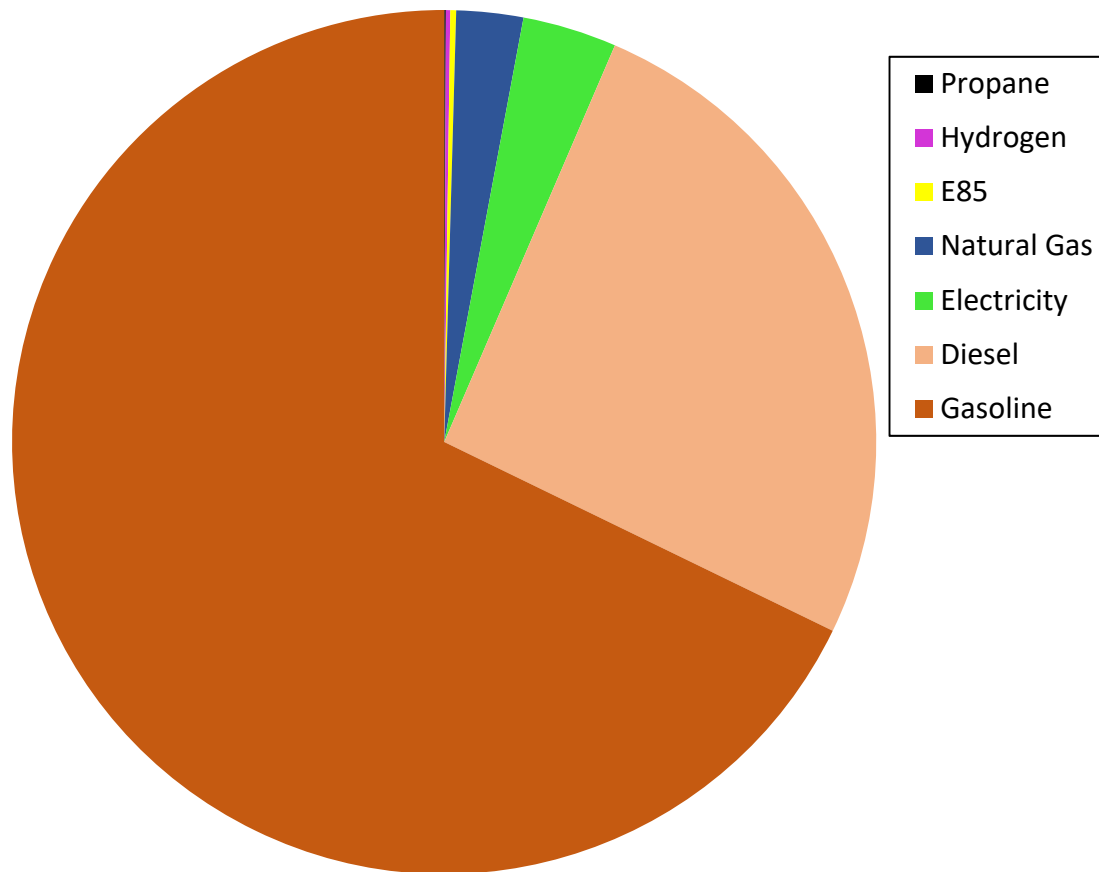


# Transportation Energy Demand, 2030, Mid Case



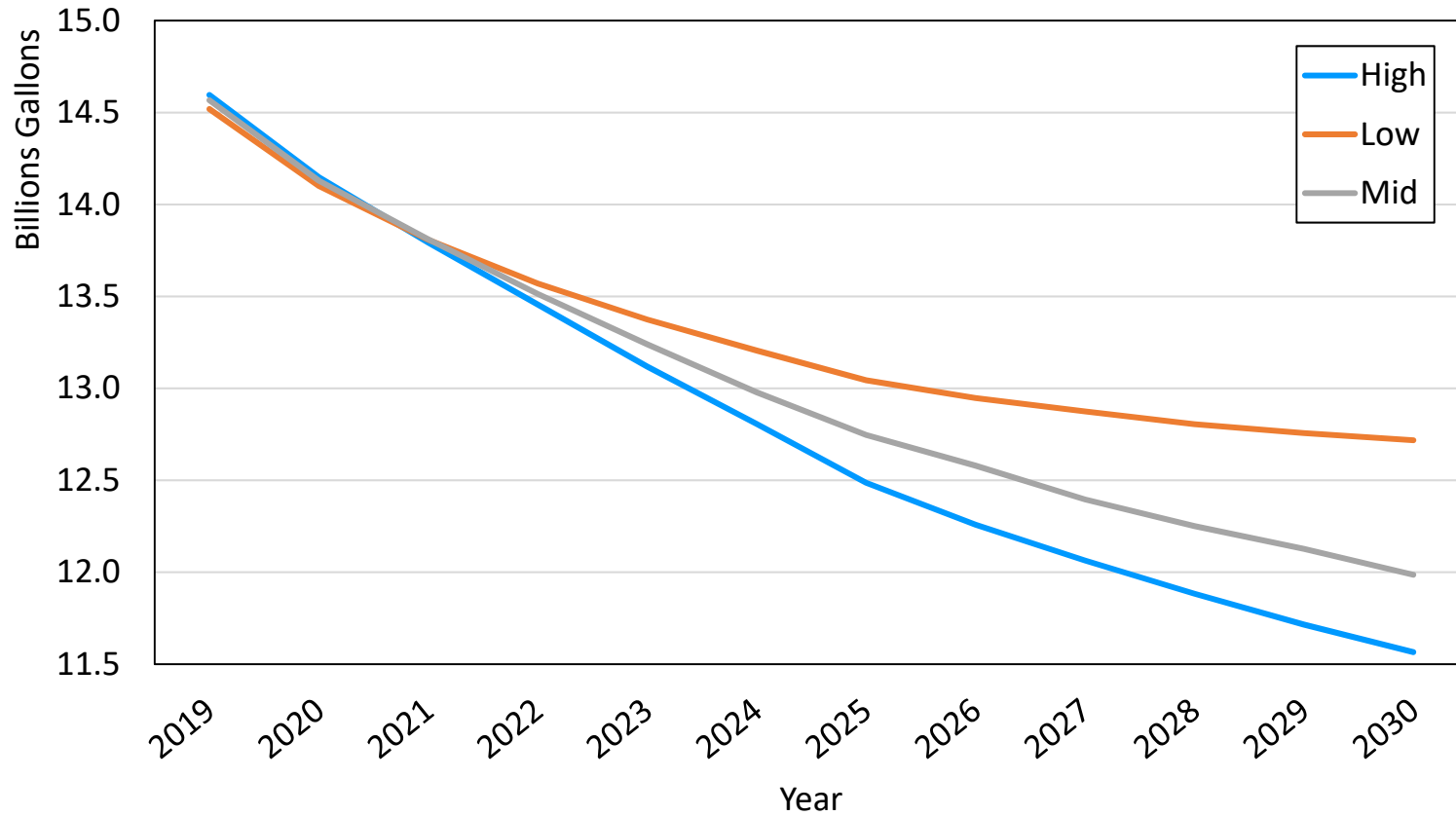


# Transportation Energy Demand, 2030, High Case



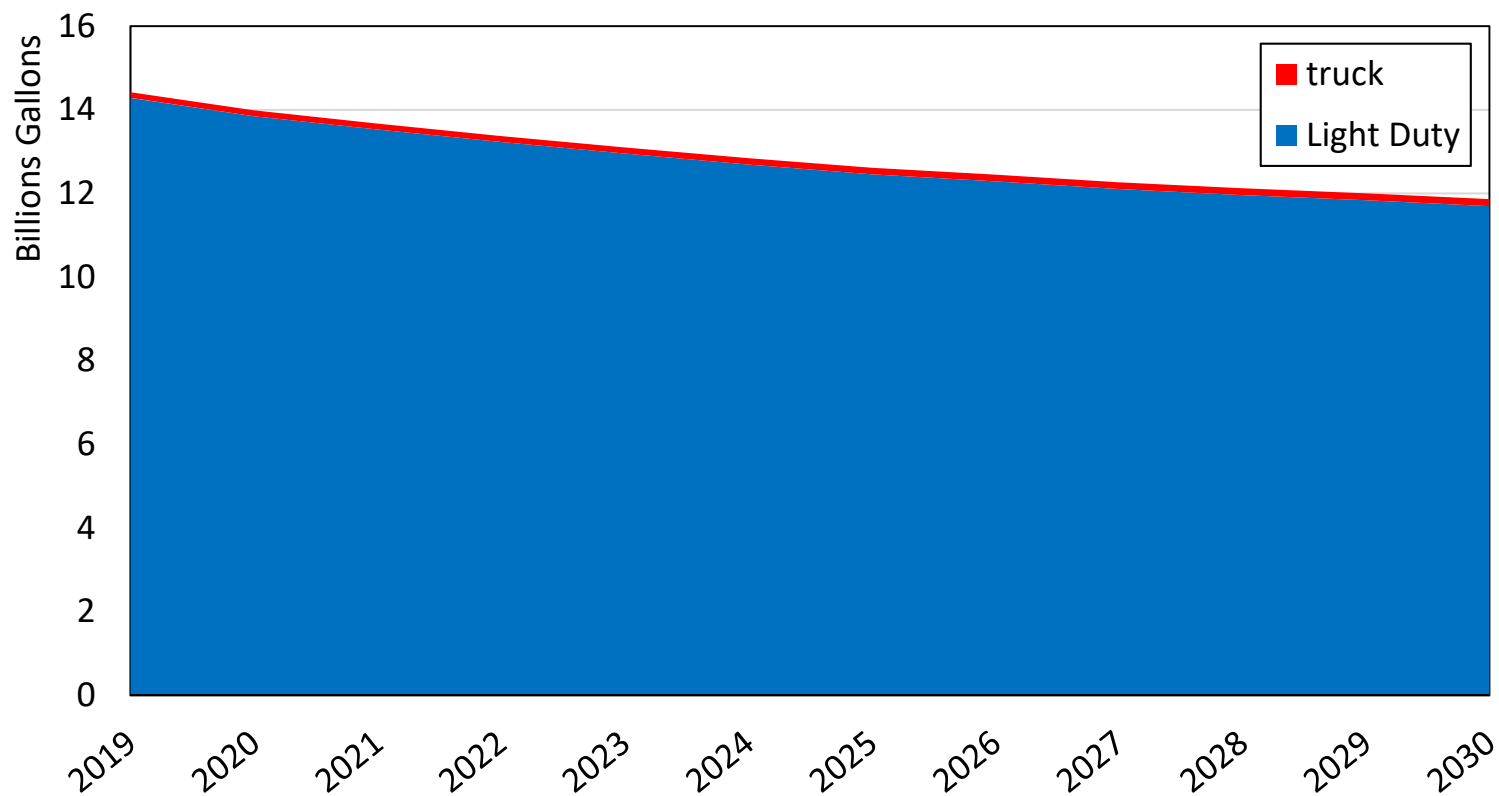


# Gasoline Demand Forecast





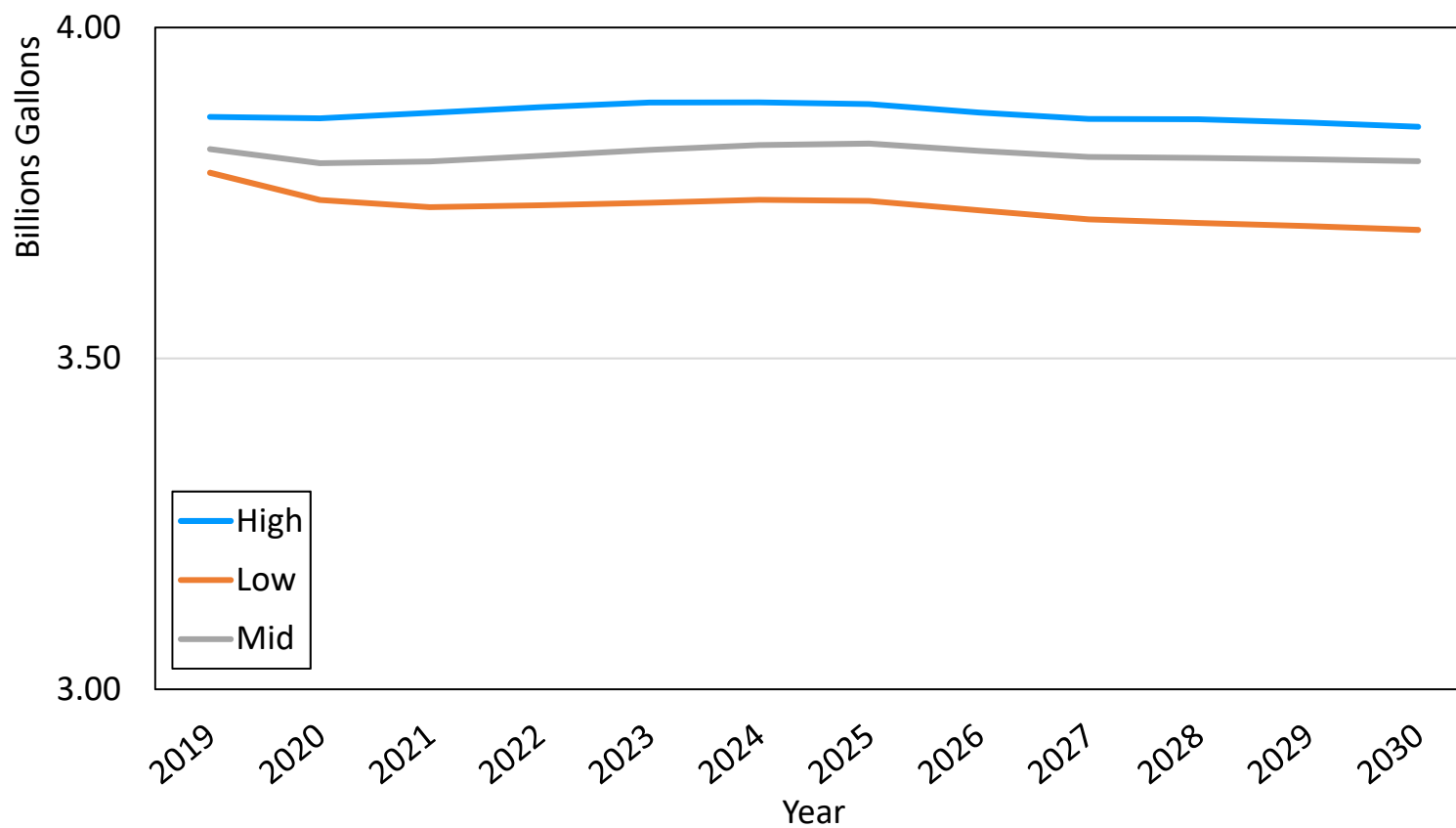
# Transportation Gasoline Demand: Mid case





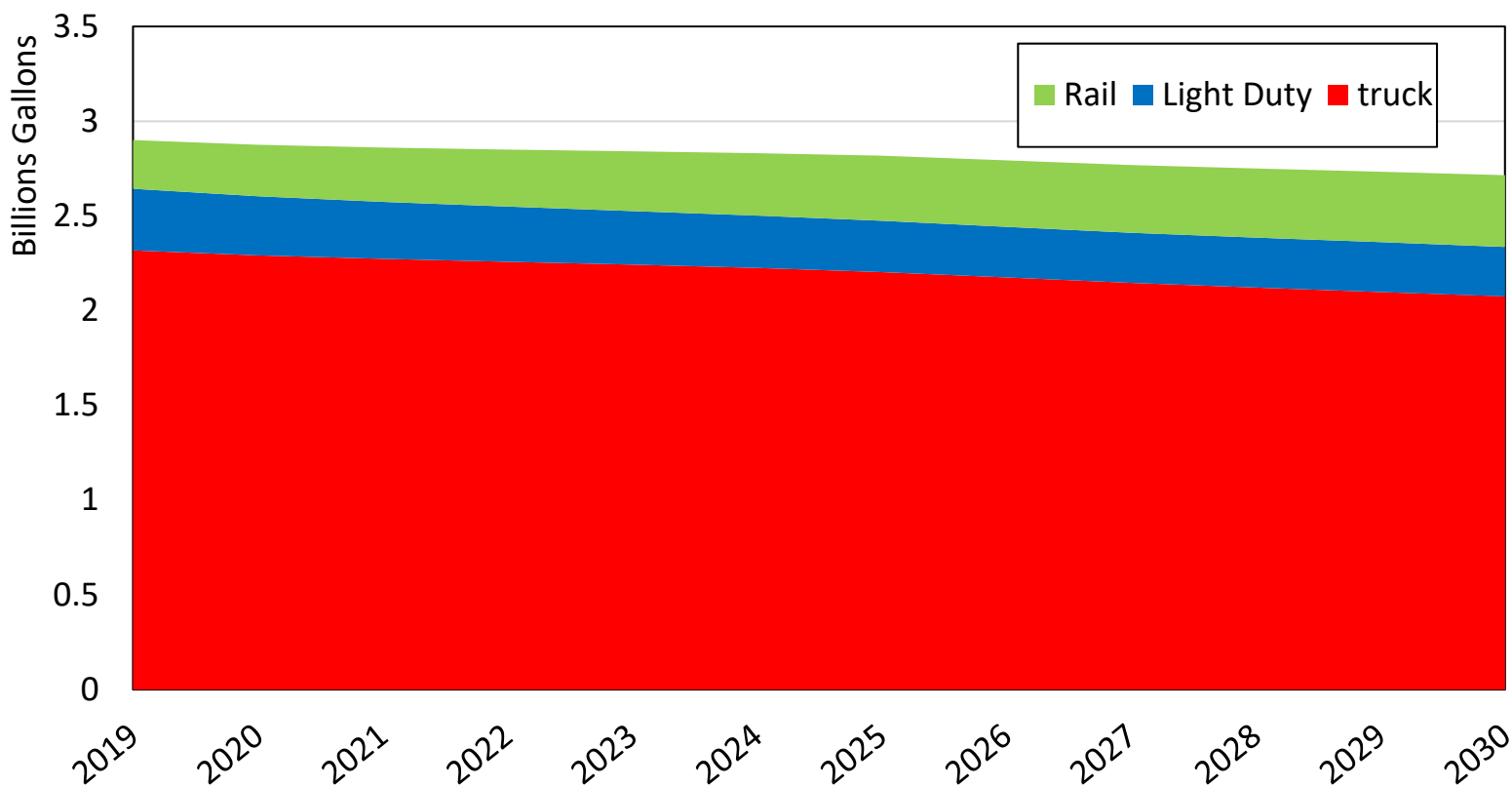


# Diesel Demand Forecast



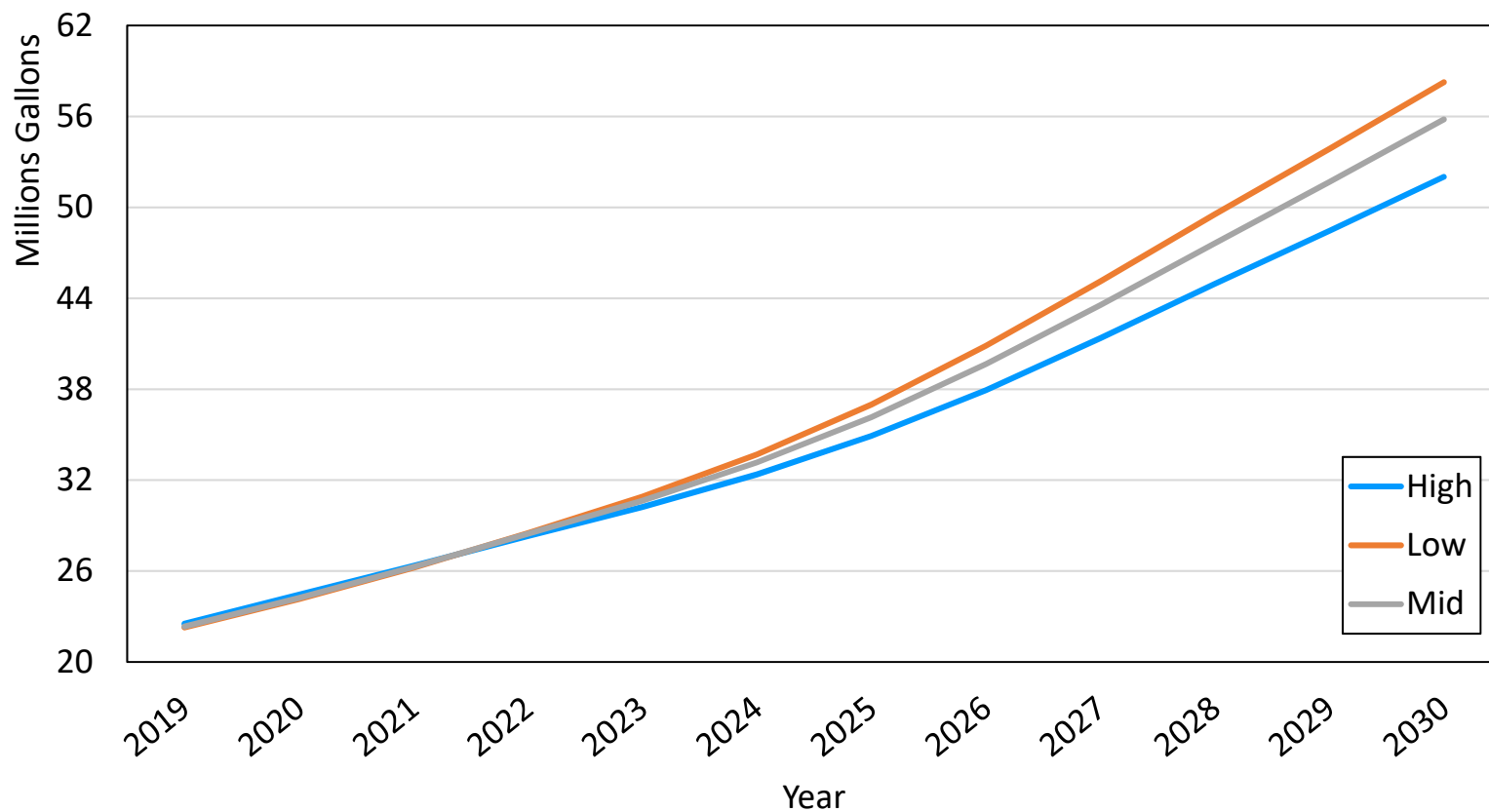


## Transportation Diesel Demand: Mid case



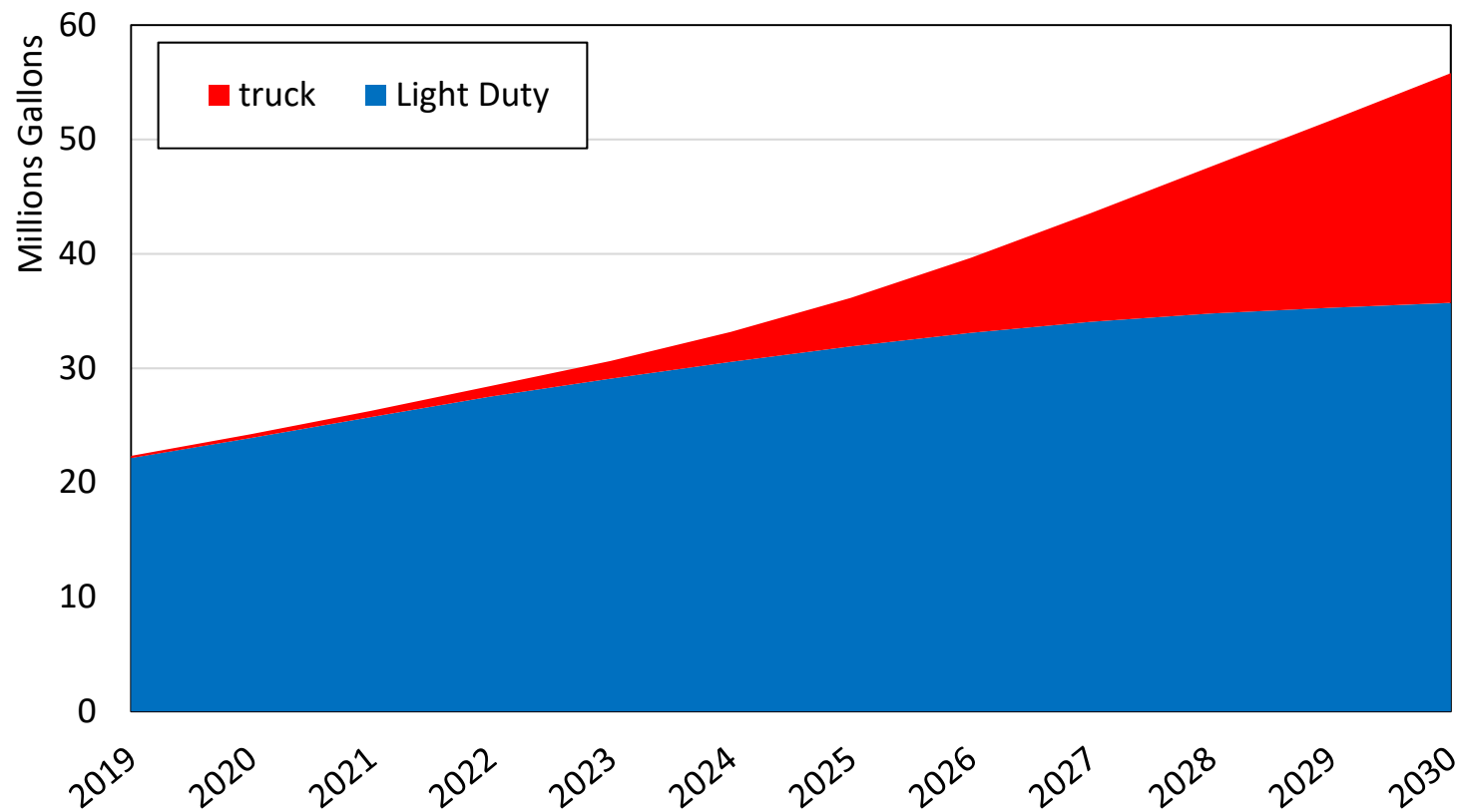


# E85 Demand Forecast



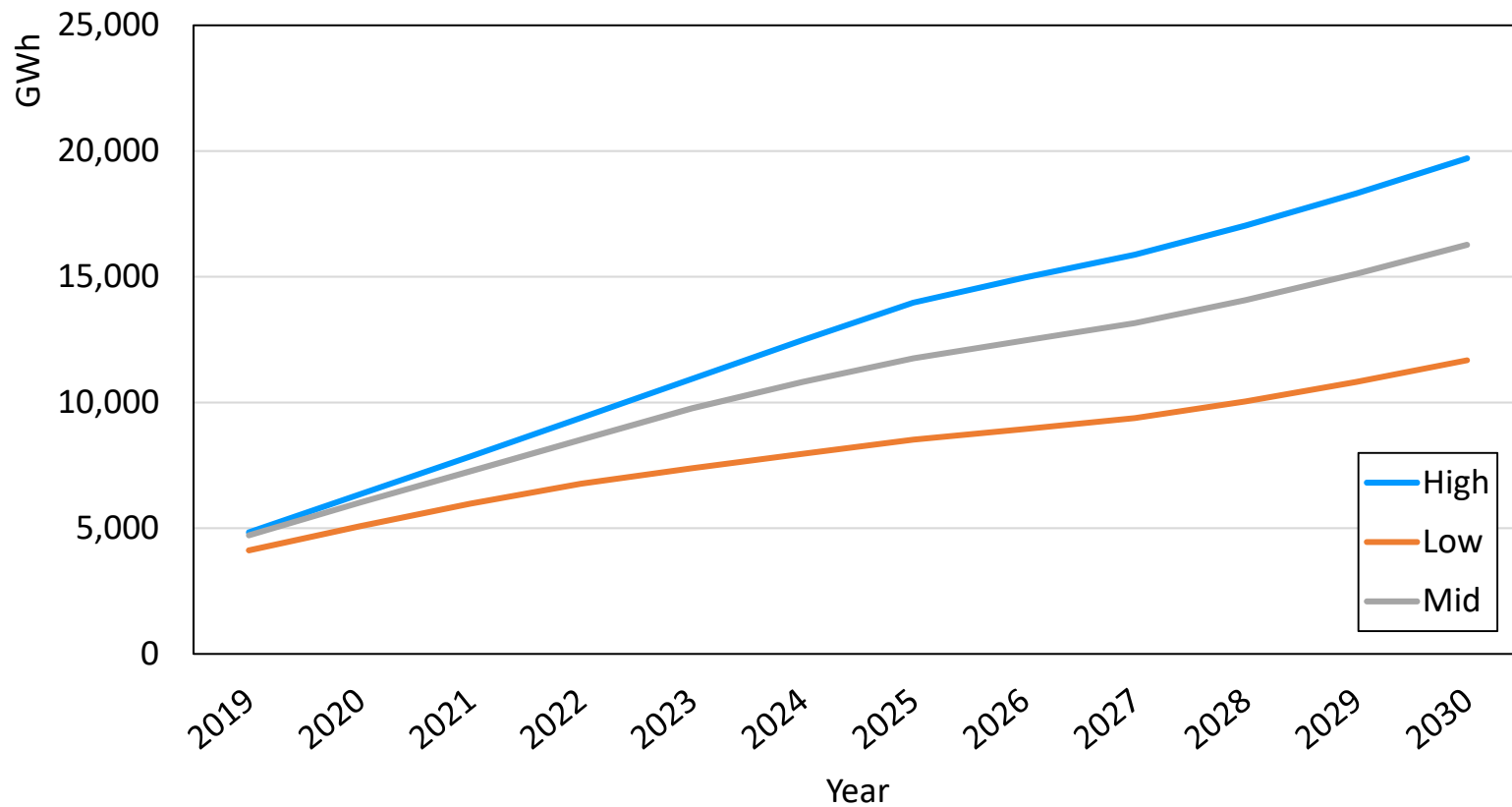


## Transportation E85 Demand: Mid case



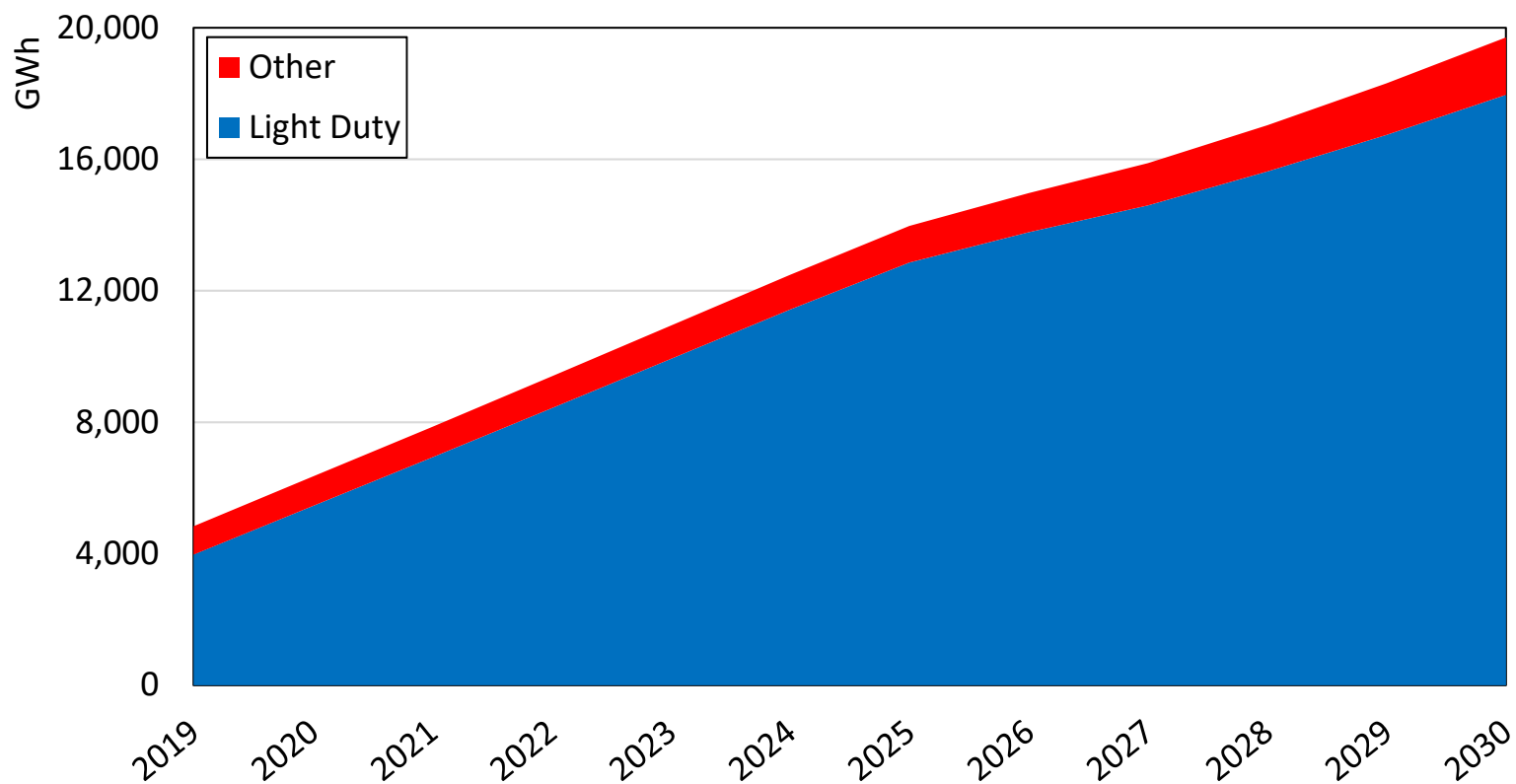


# Transportation Electricity Demand Forecast



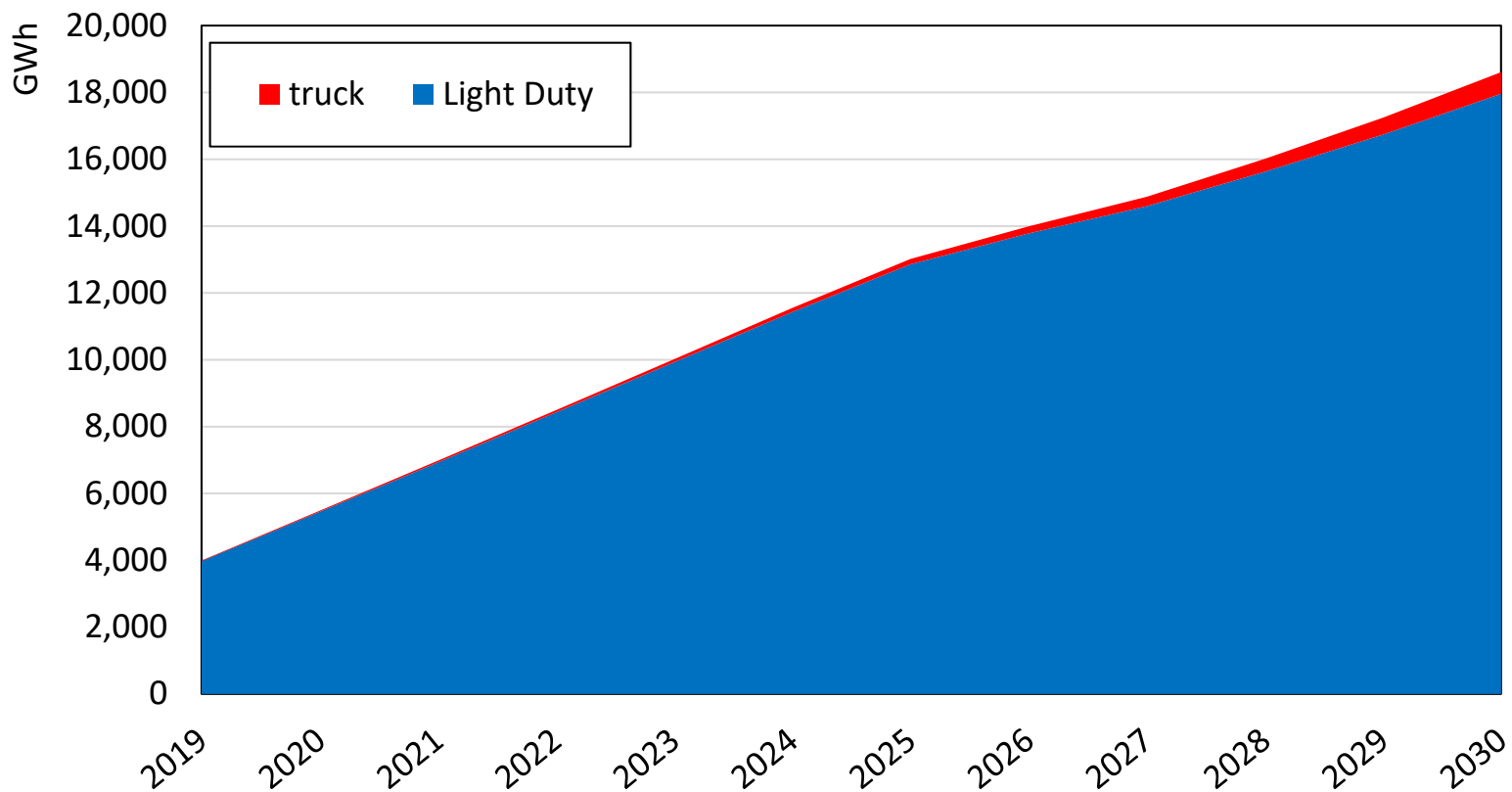


## Transportation Electricity Demand: High case



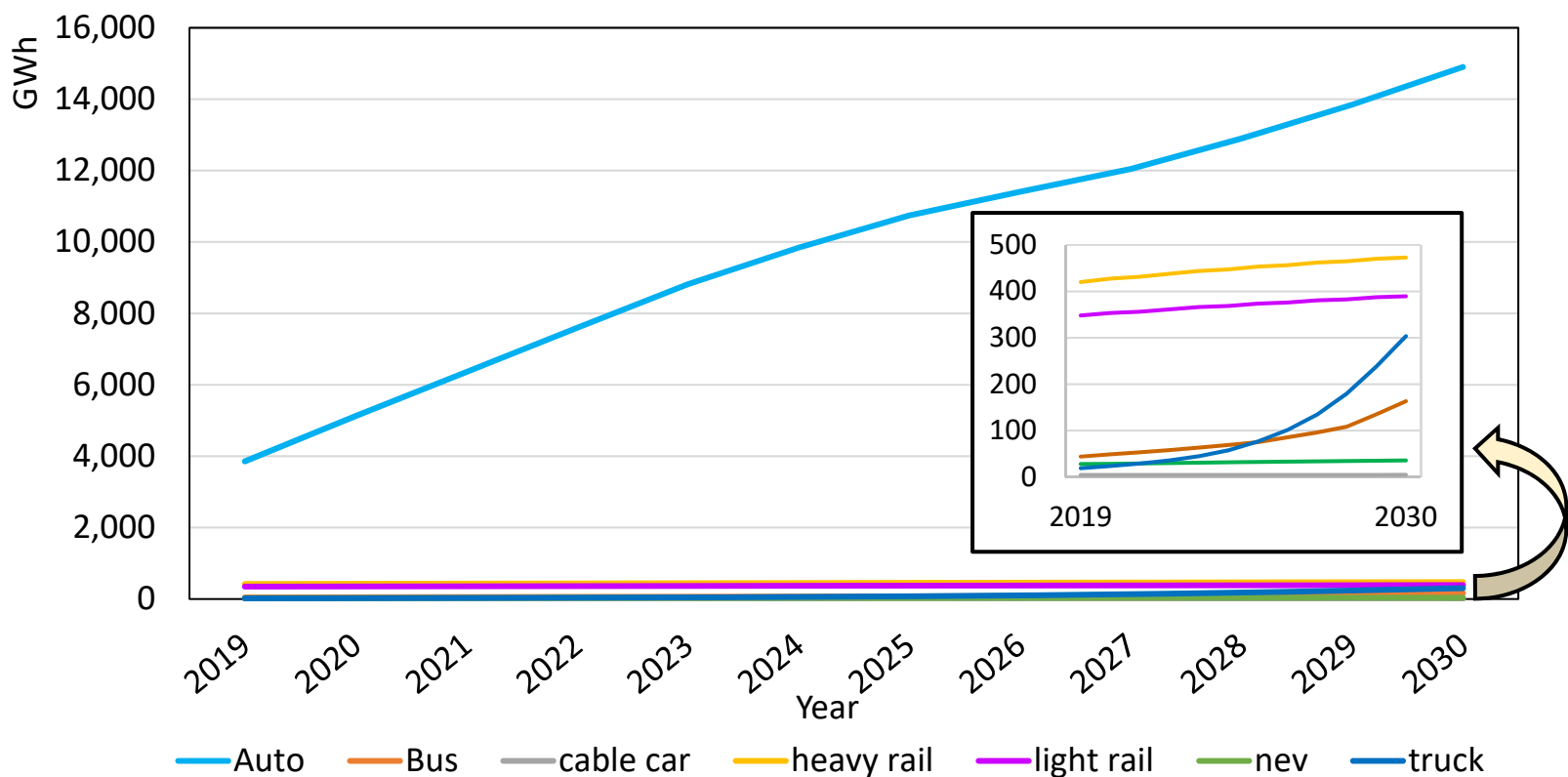


# Transportation Electricity Demand: High case





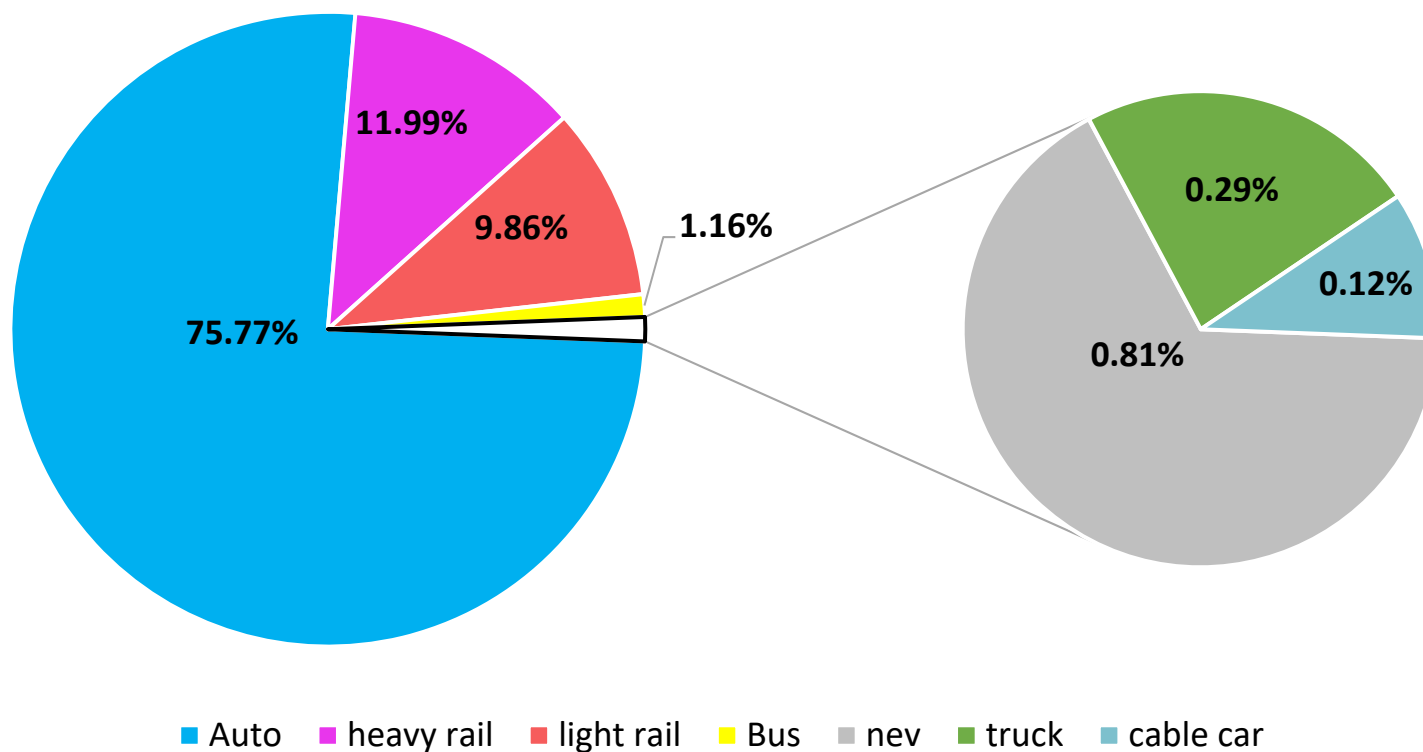
# Transportation Electricity Demand Forecast, Mid Case





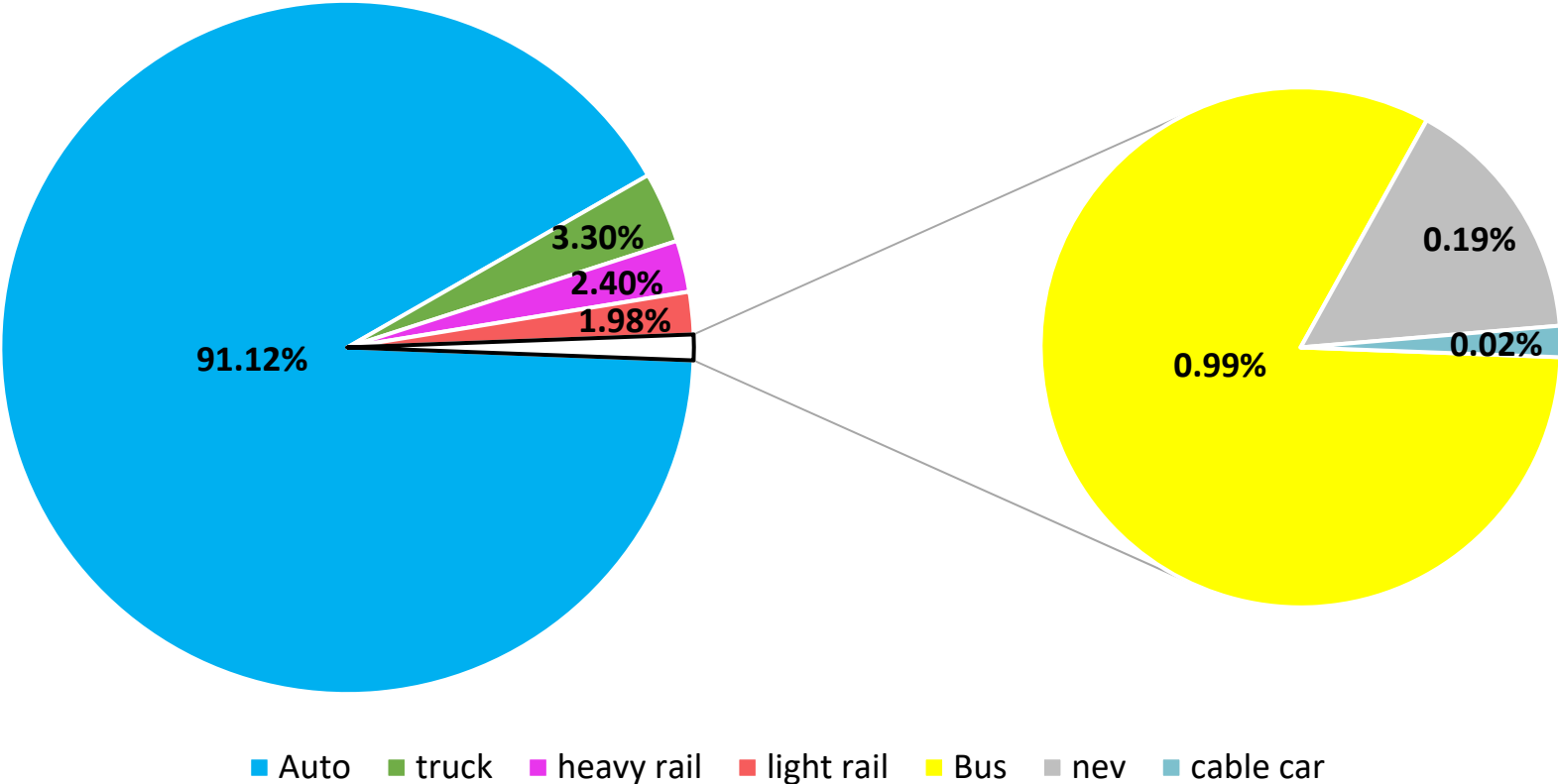


# Transportation Electricity (GWh) Consumption: 2018, High Case





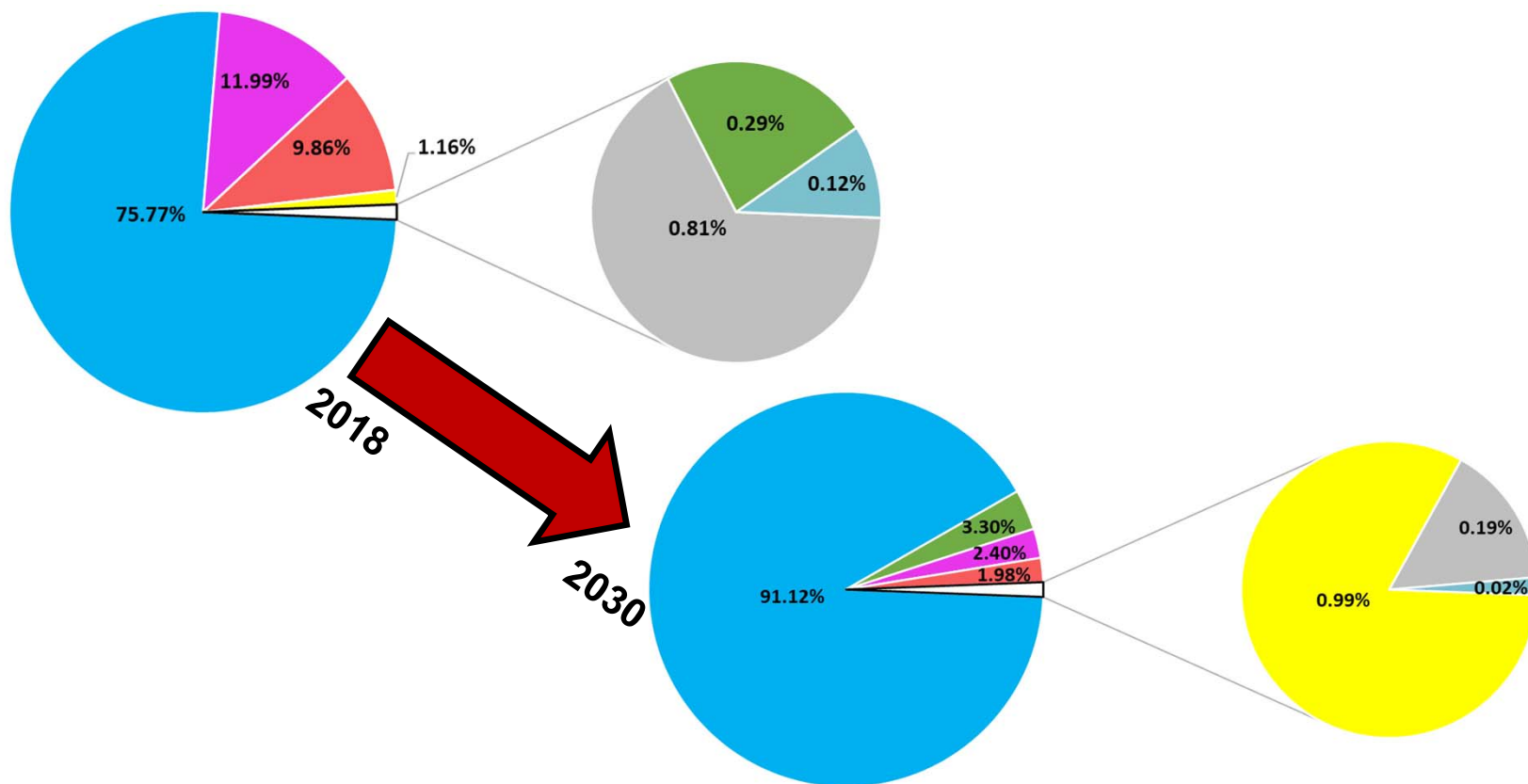
# Transportation Electricity (GWh) Consumption: 2030, High Case





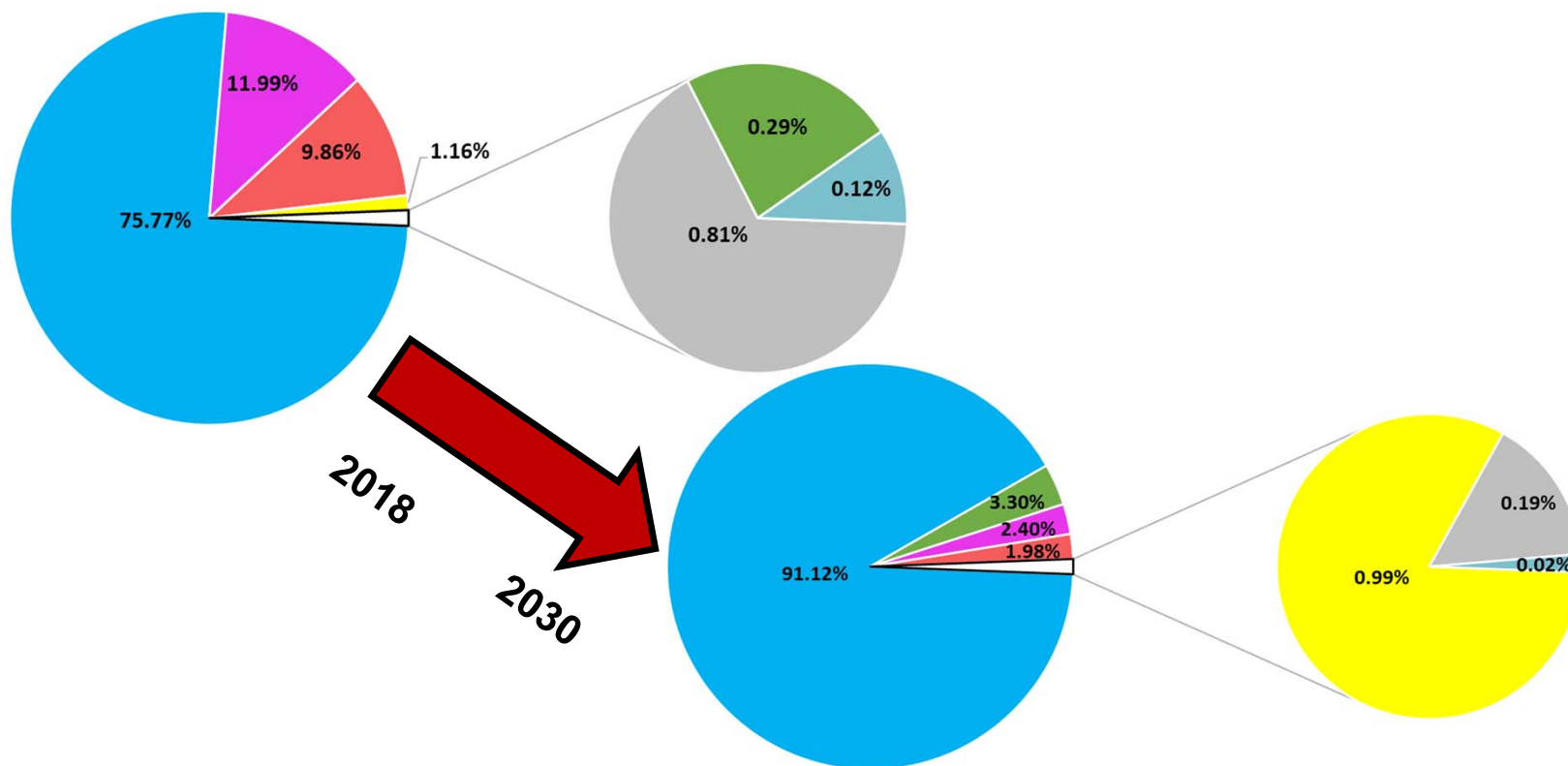
# Comparison of Transportation Electricity

■ Auto ■ truck ■ heavy rail ■ light rail ■ Bus ■ nev ■ cable car



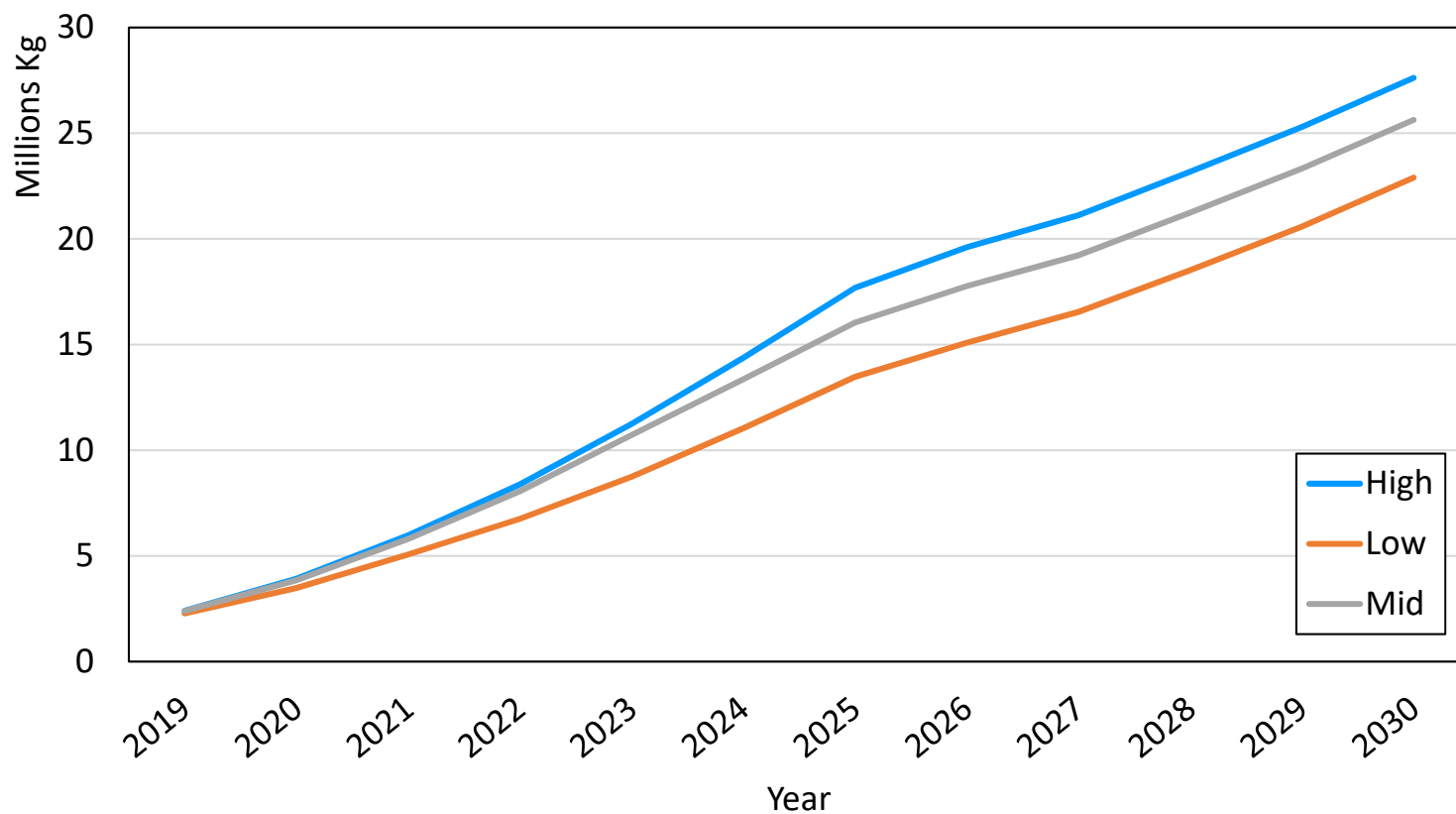


# Transportation Electricity Distribution by Sector



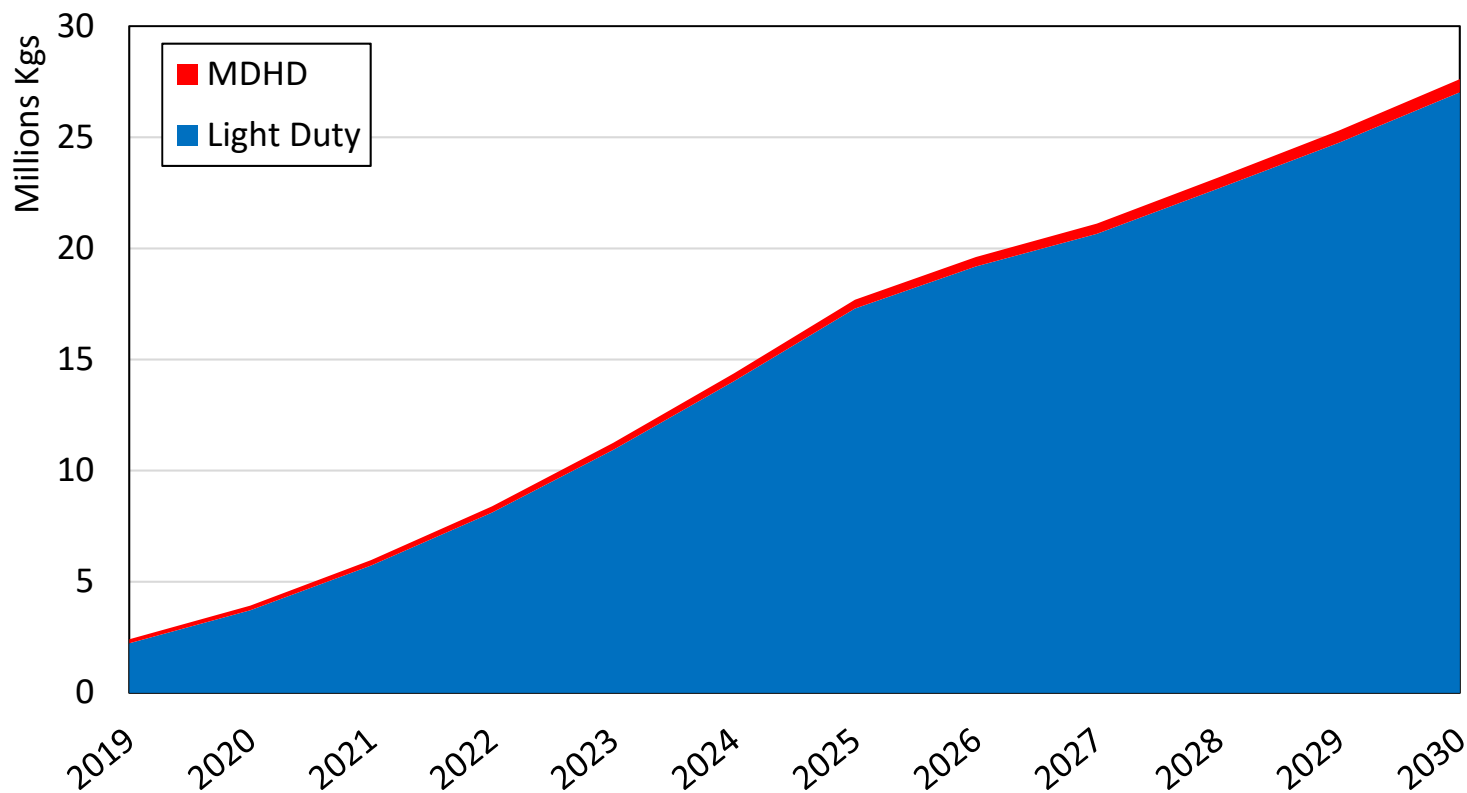


# Hydrogen Demand Forecast



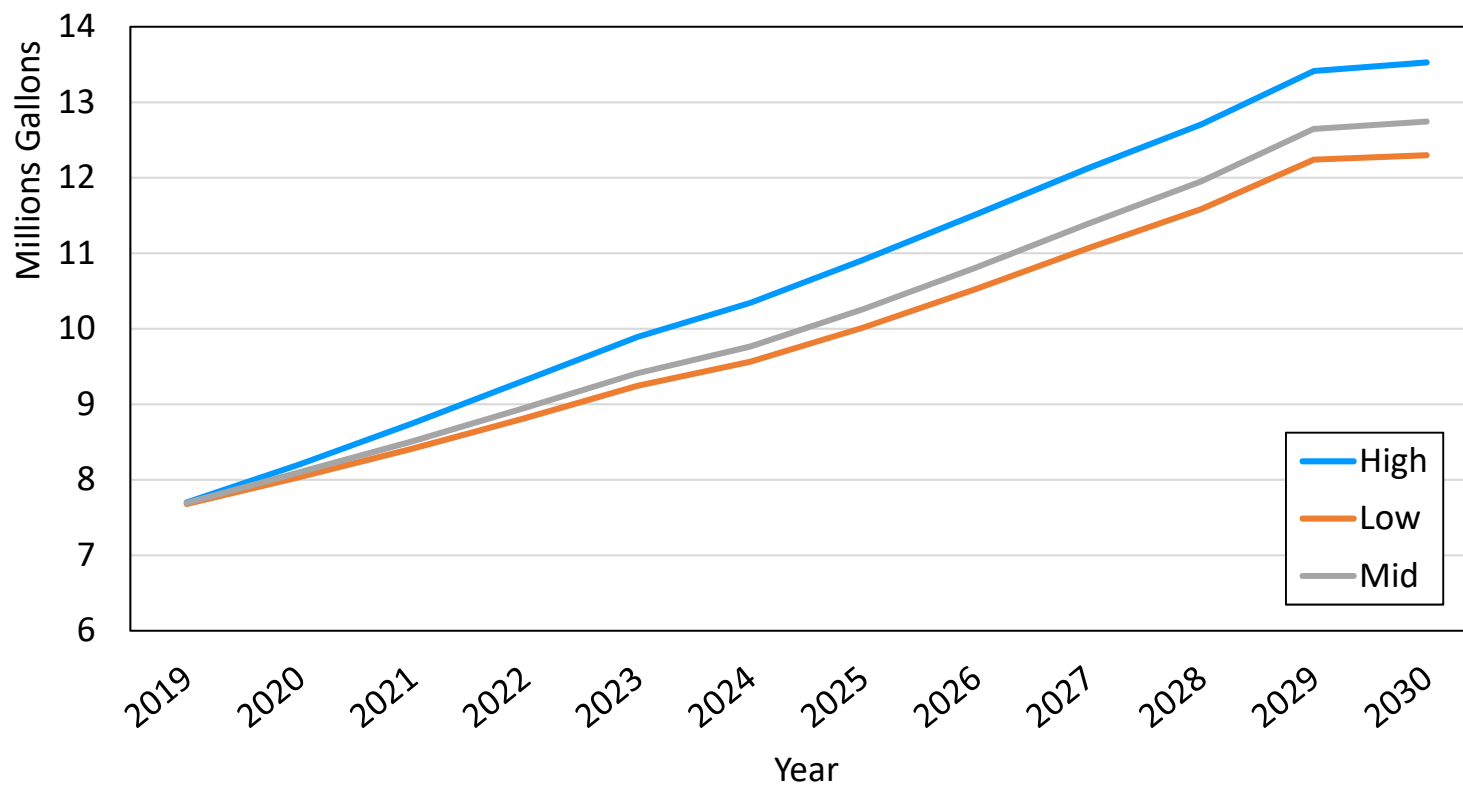


## Transportation Hydrogen Demand: High case



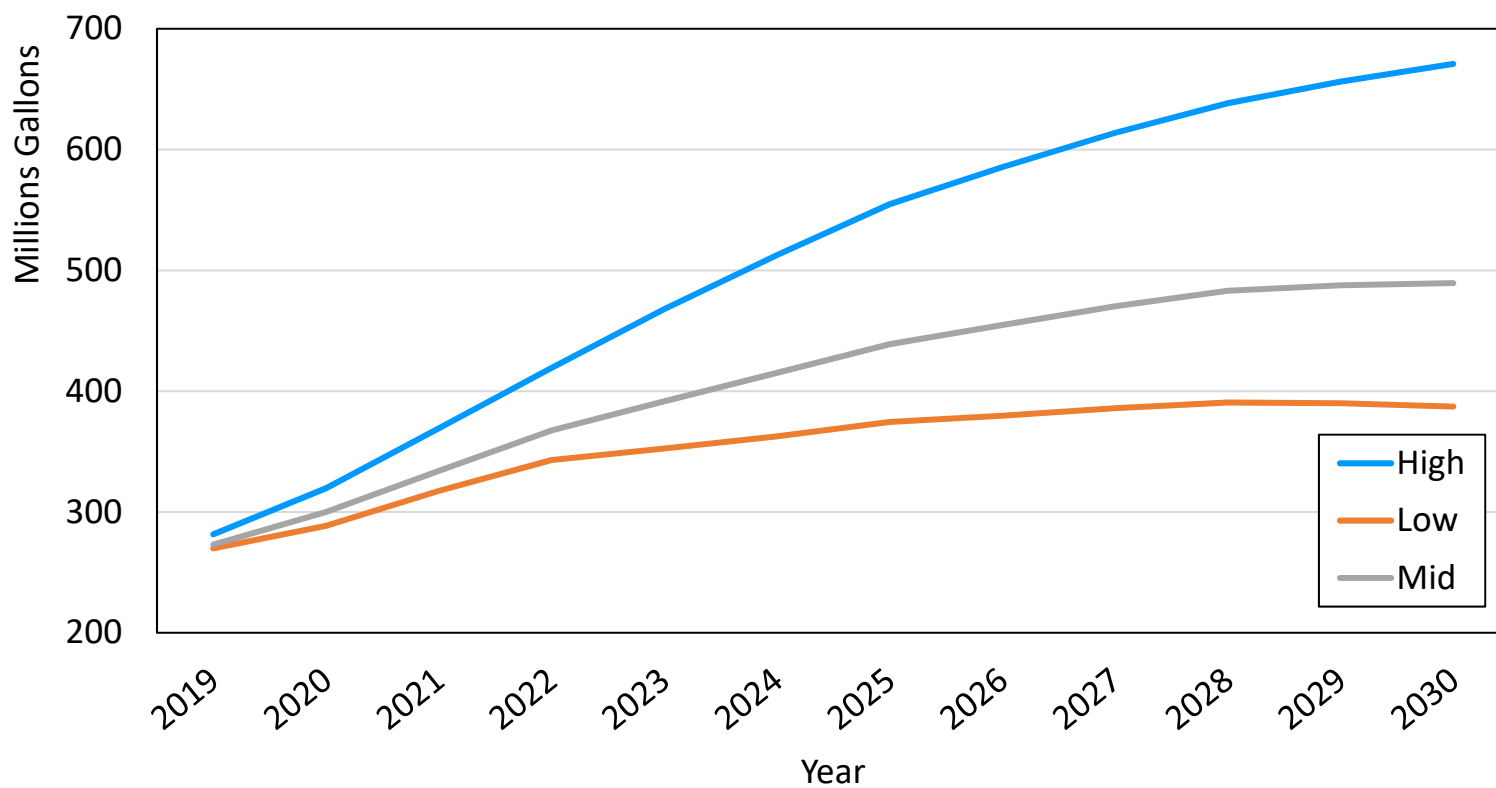


# Propane Demand Forecast





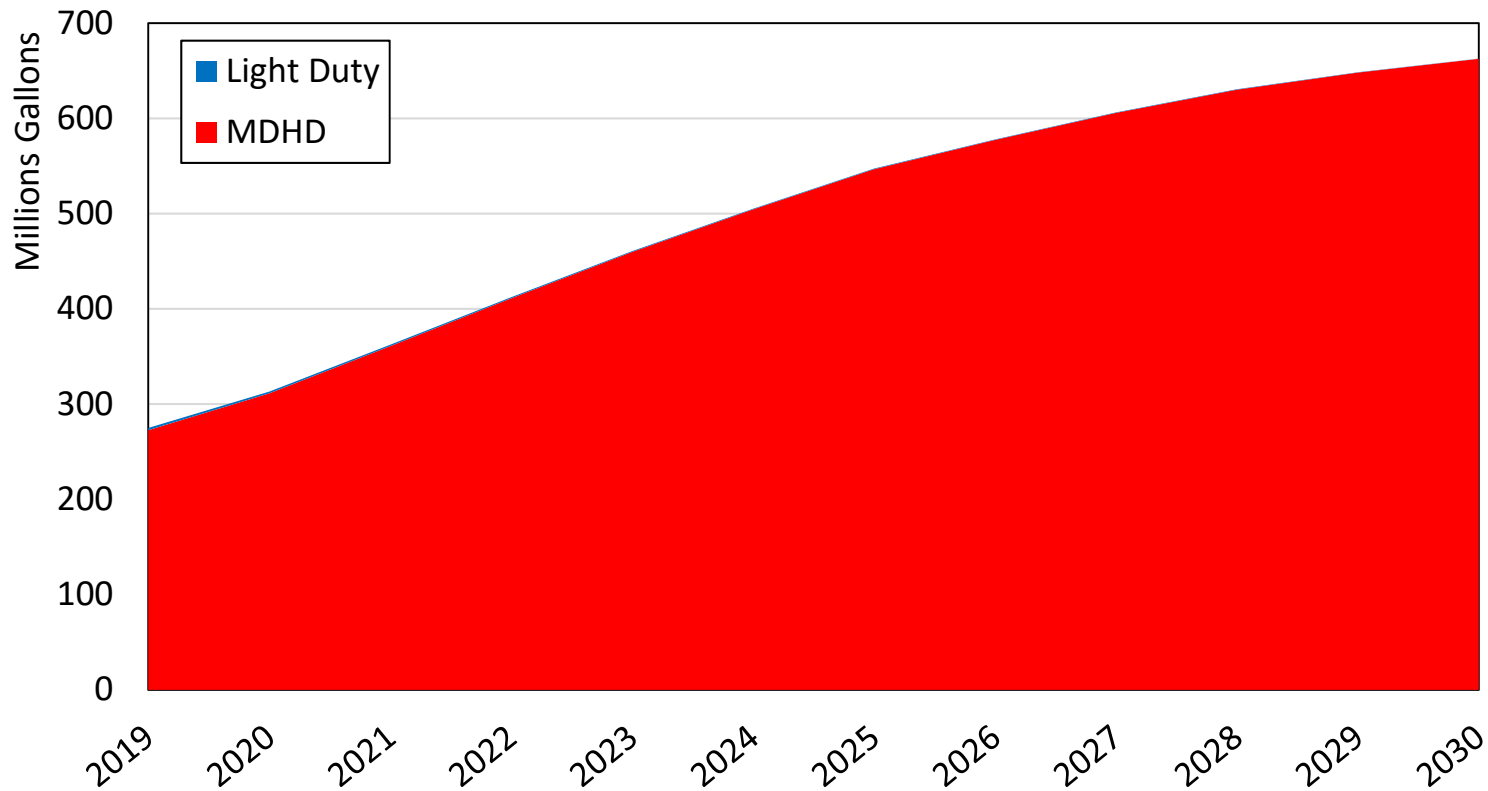
# Natural Gas Demand Forecast







## Transportation Natural Gas Demand: High case





## California Energy Commission

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