



ASAP
(American Solar Action Plan)

PV-Wind Monthly Slideshow

January 2022

ASAP

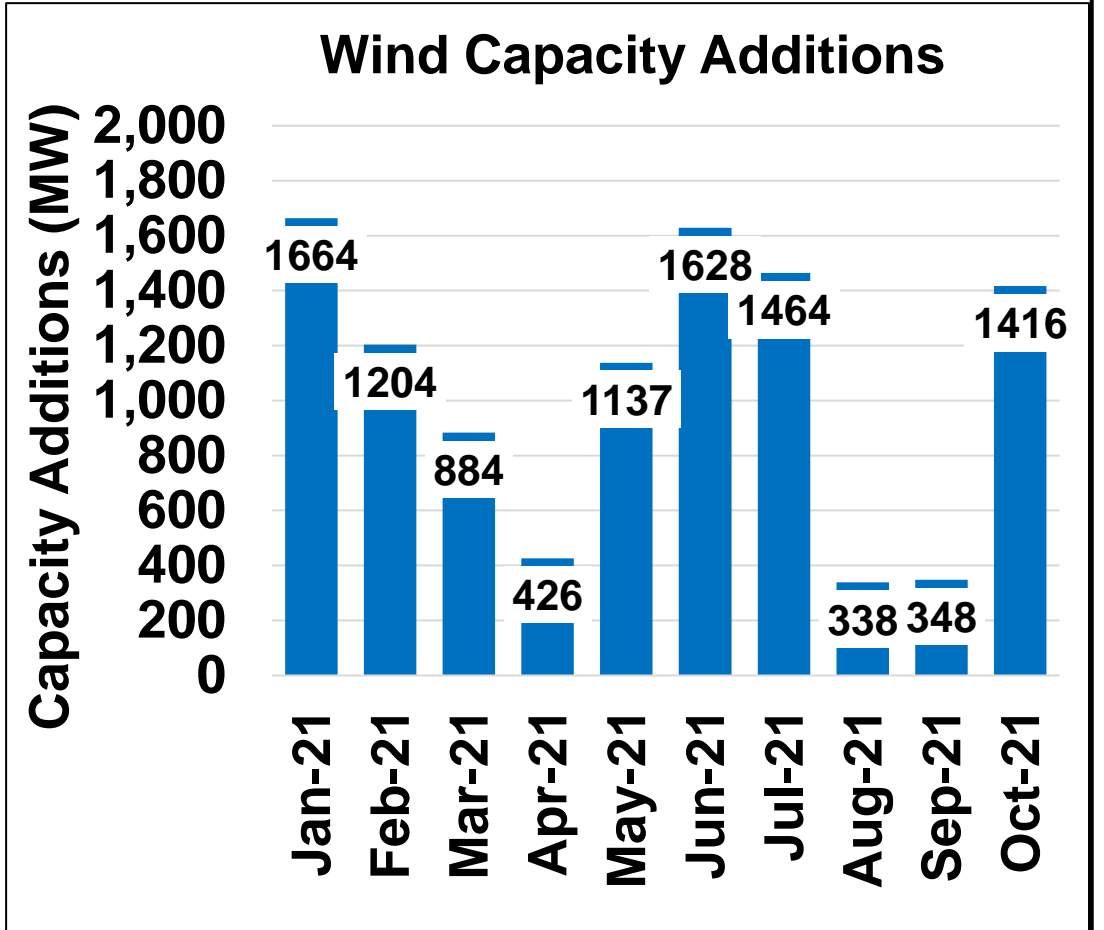
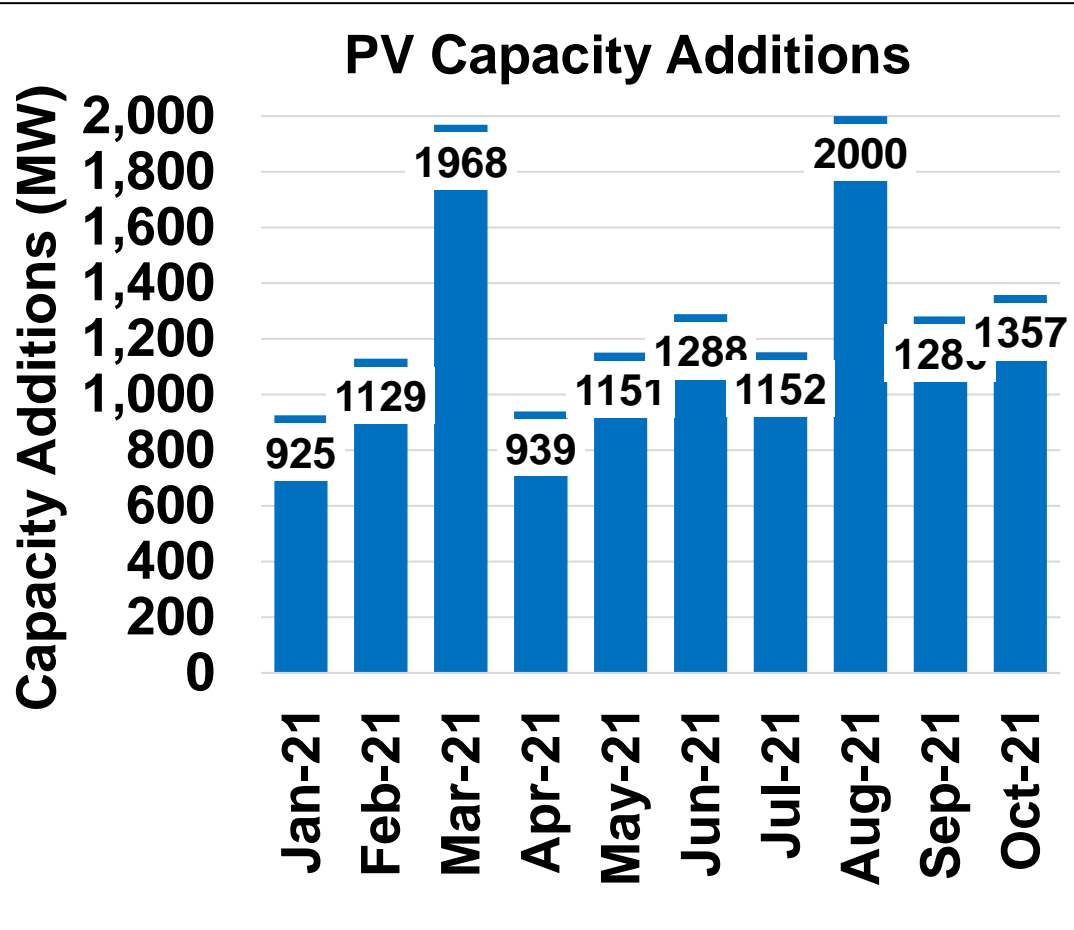
Website: www.solarplan.org

Contact: james.mason@solarplan.org

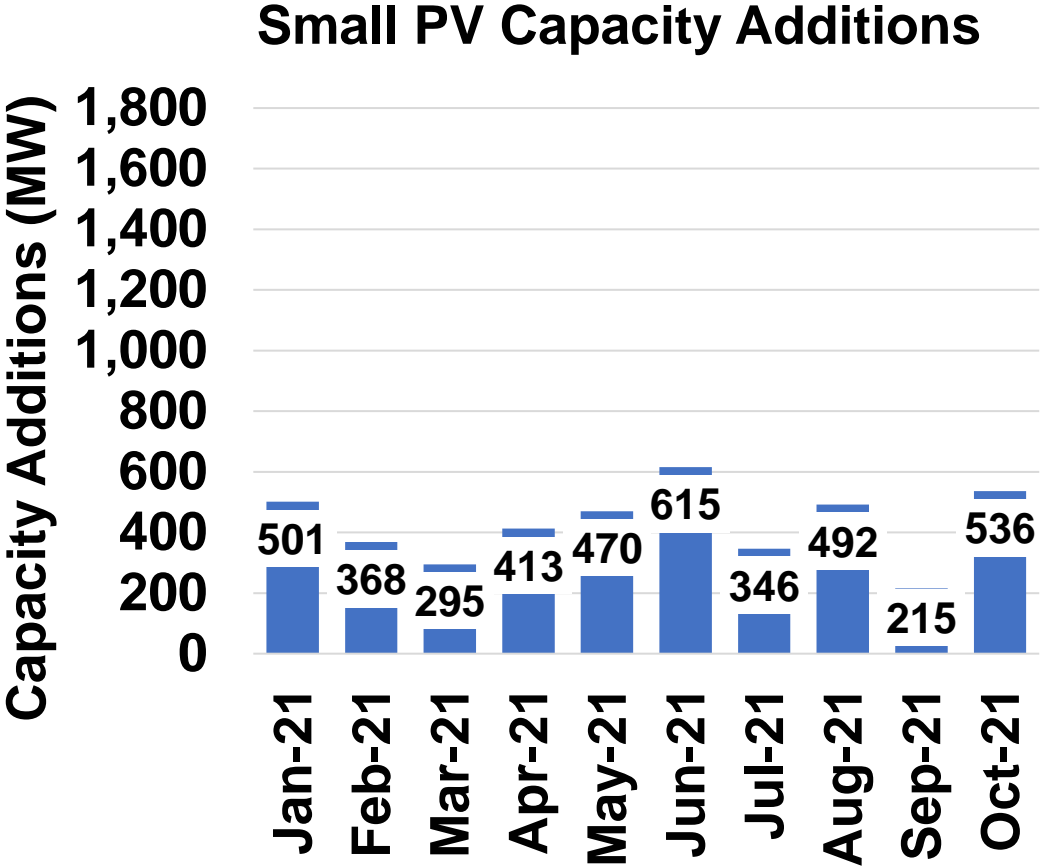
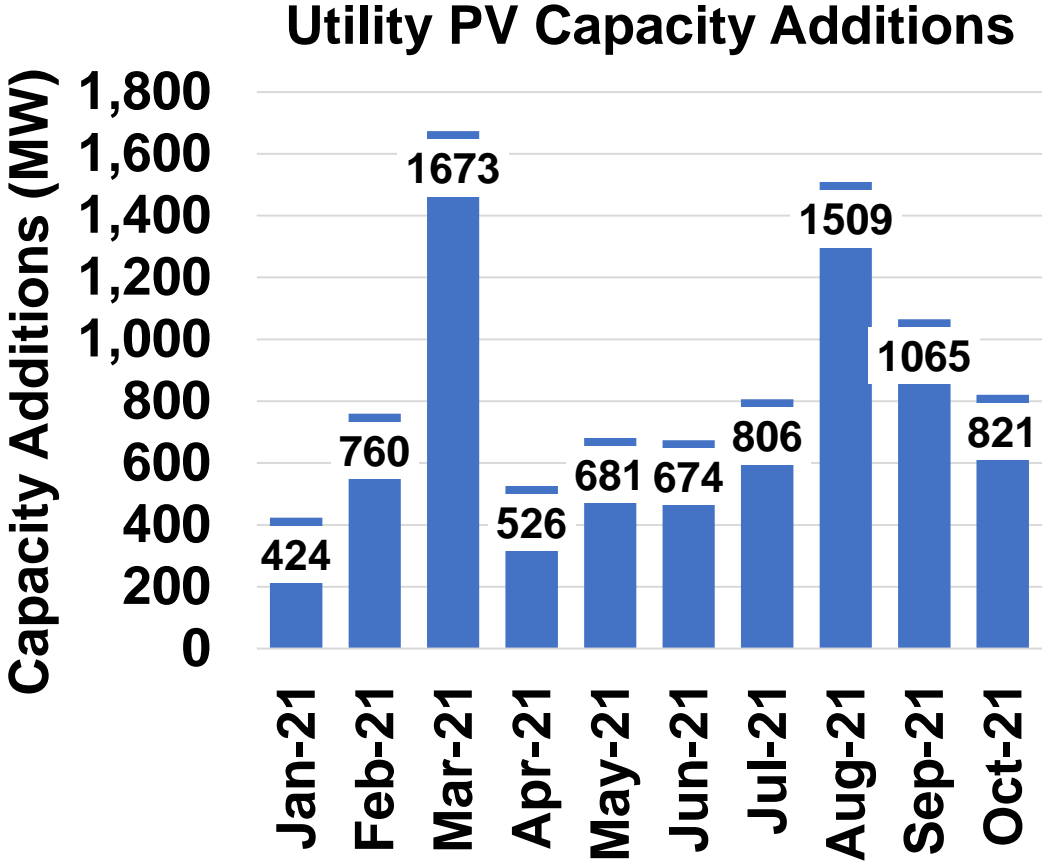


U.S. PV and Wind Capacities

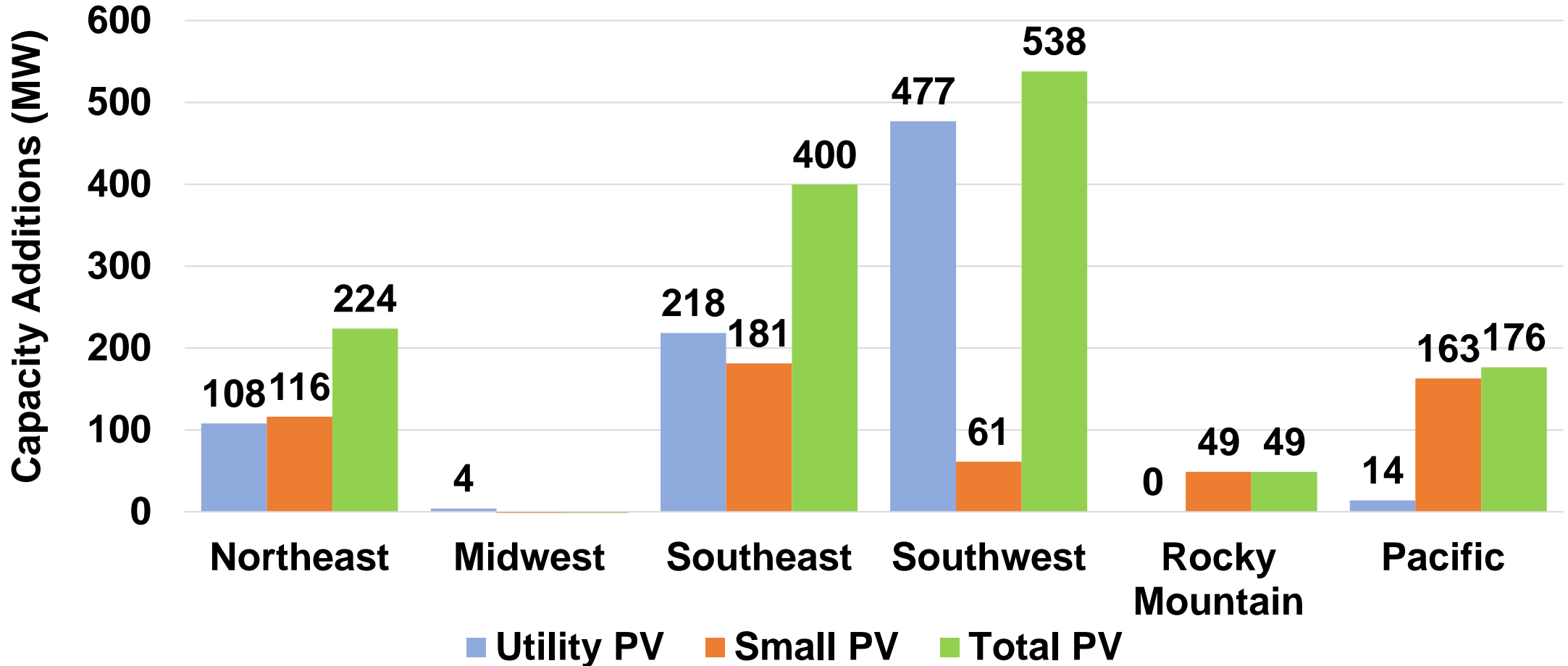
U.S. PV and Wind Monthly Capacity Additions 2021



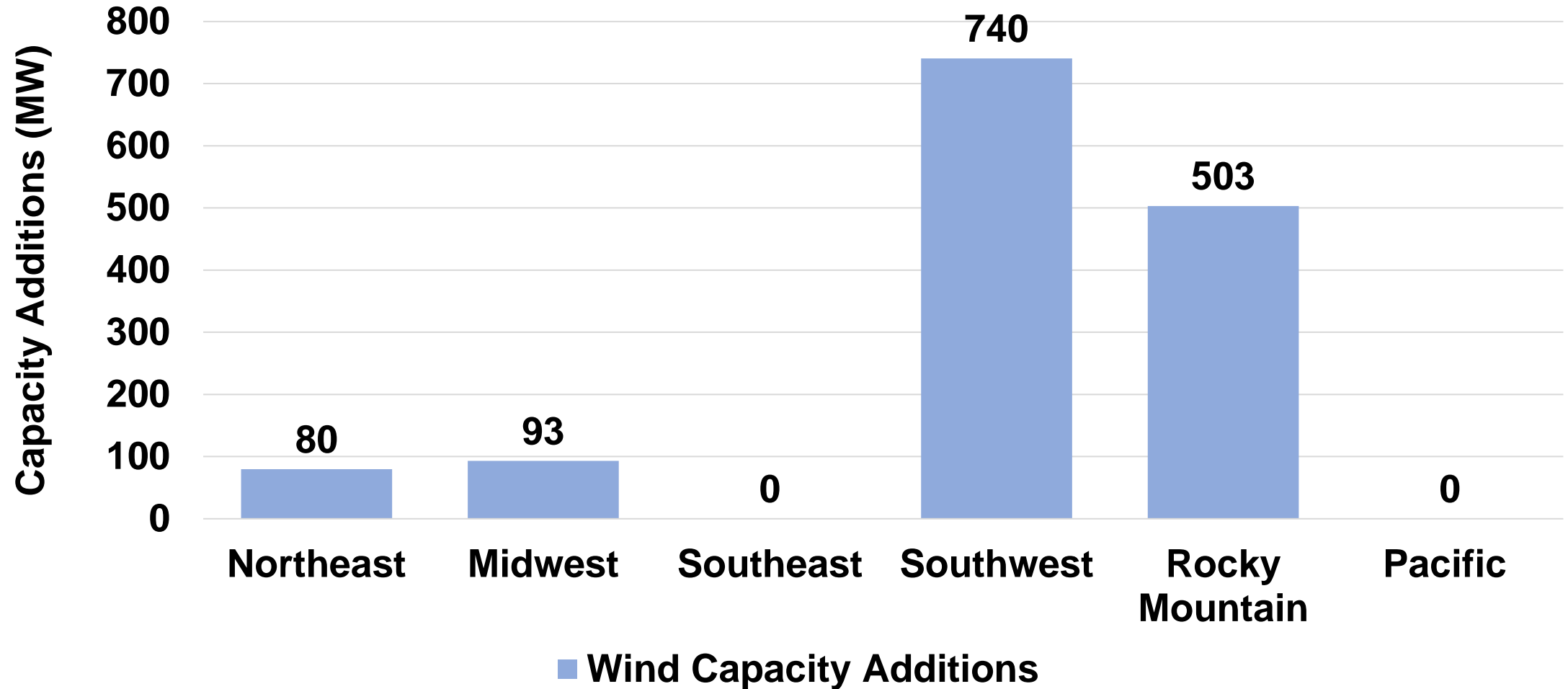
Monthly Utility and Small PV Capacity Additions 2021



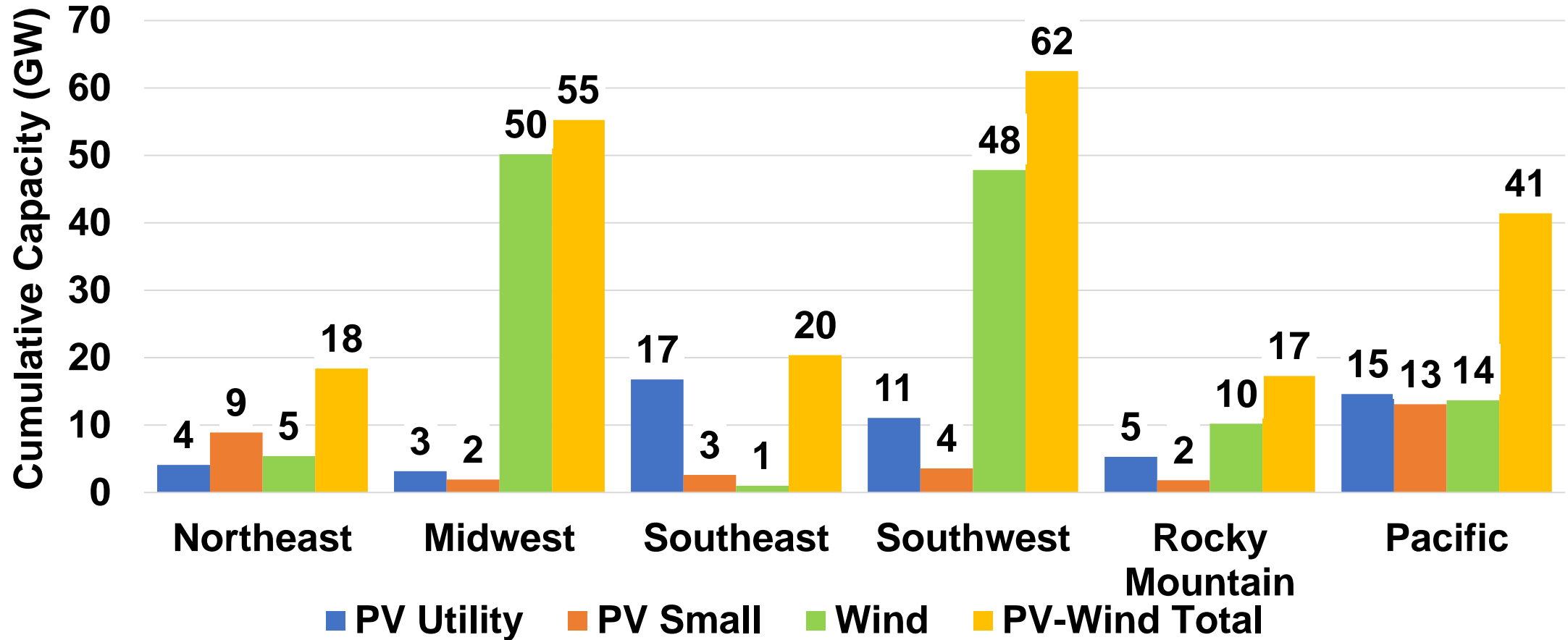
Regional PV Capacity Additions October 2021



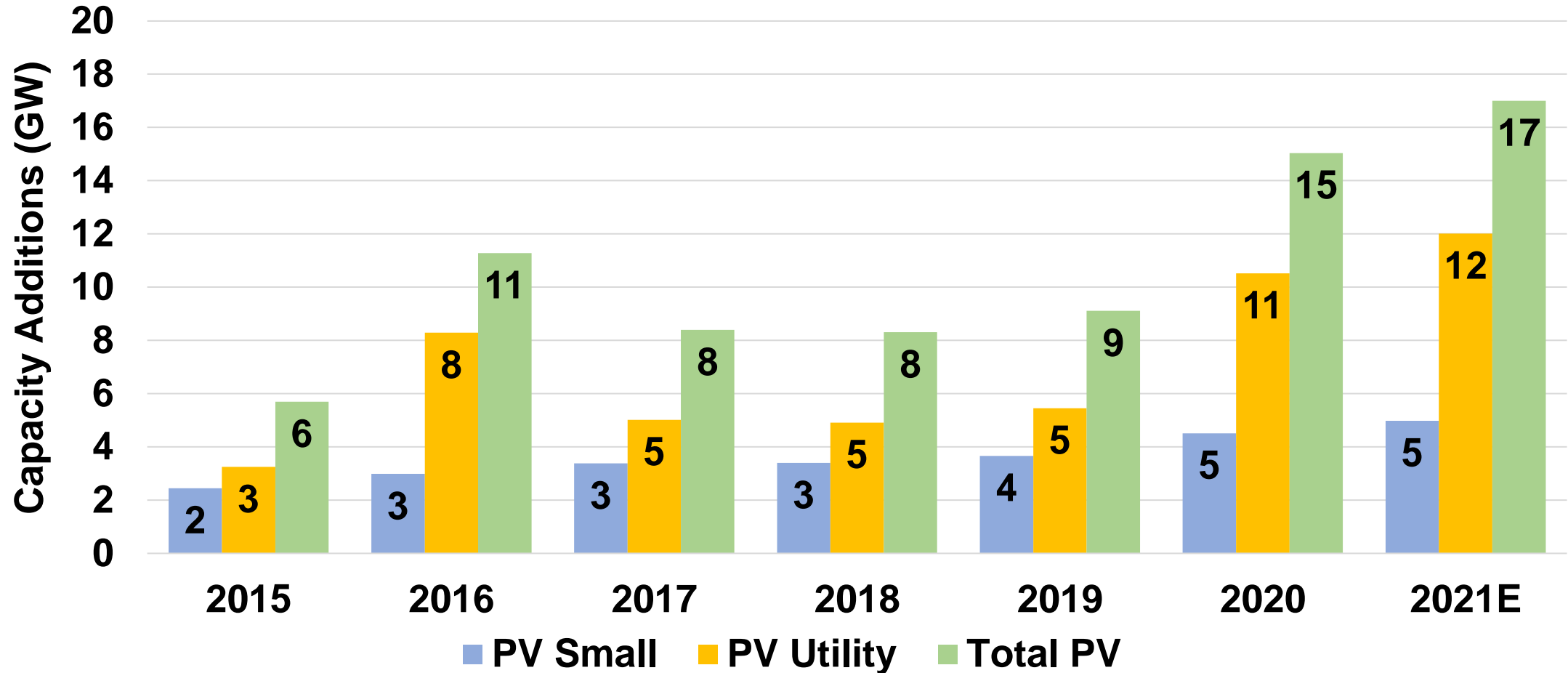
Regional Wind – Capacity Additions October 2021



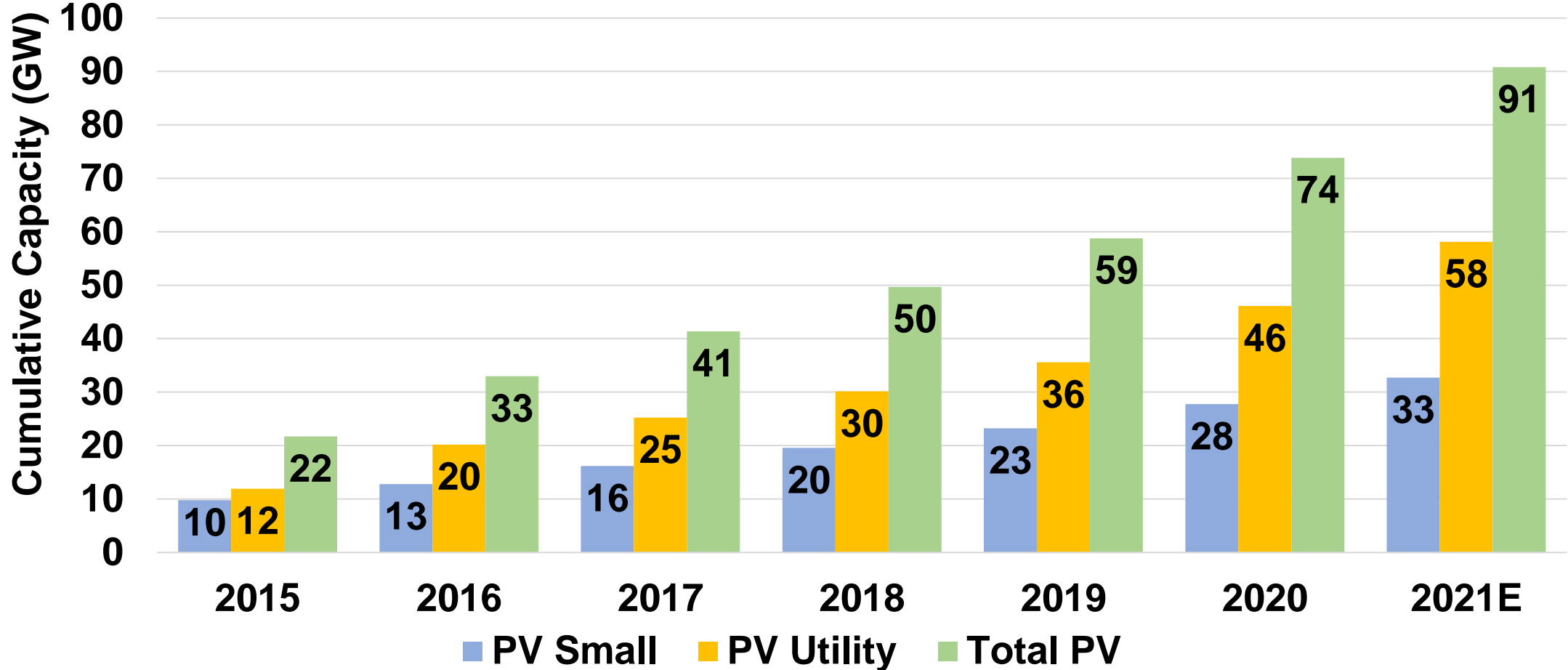
PV and Wind Cumulative Capacity by Region through October 2021



PV Annual Capacity Additions 2021 Forecast

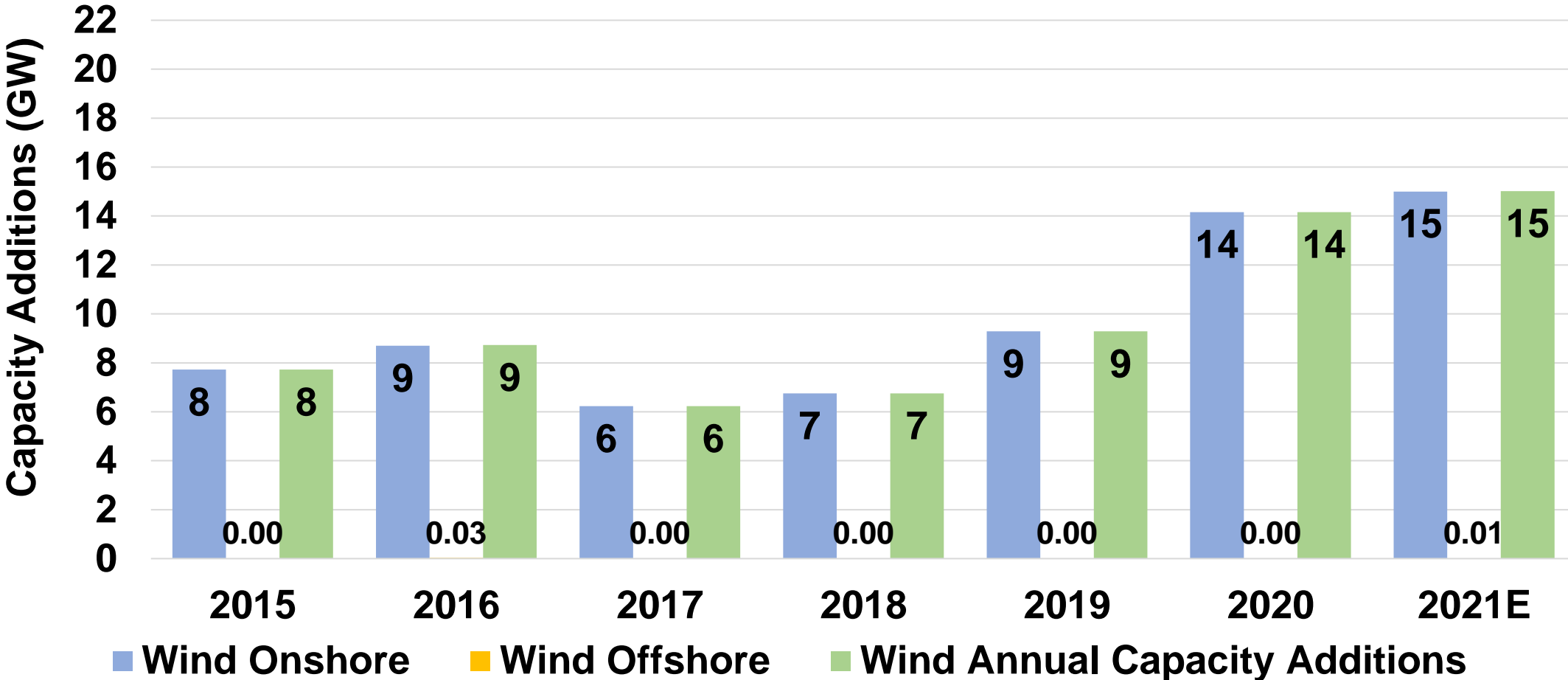


PV Annual Cumulative Capacity 2021 Forecast

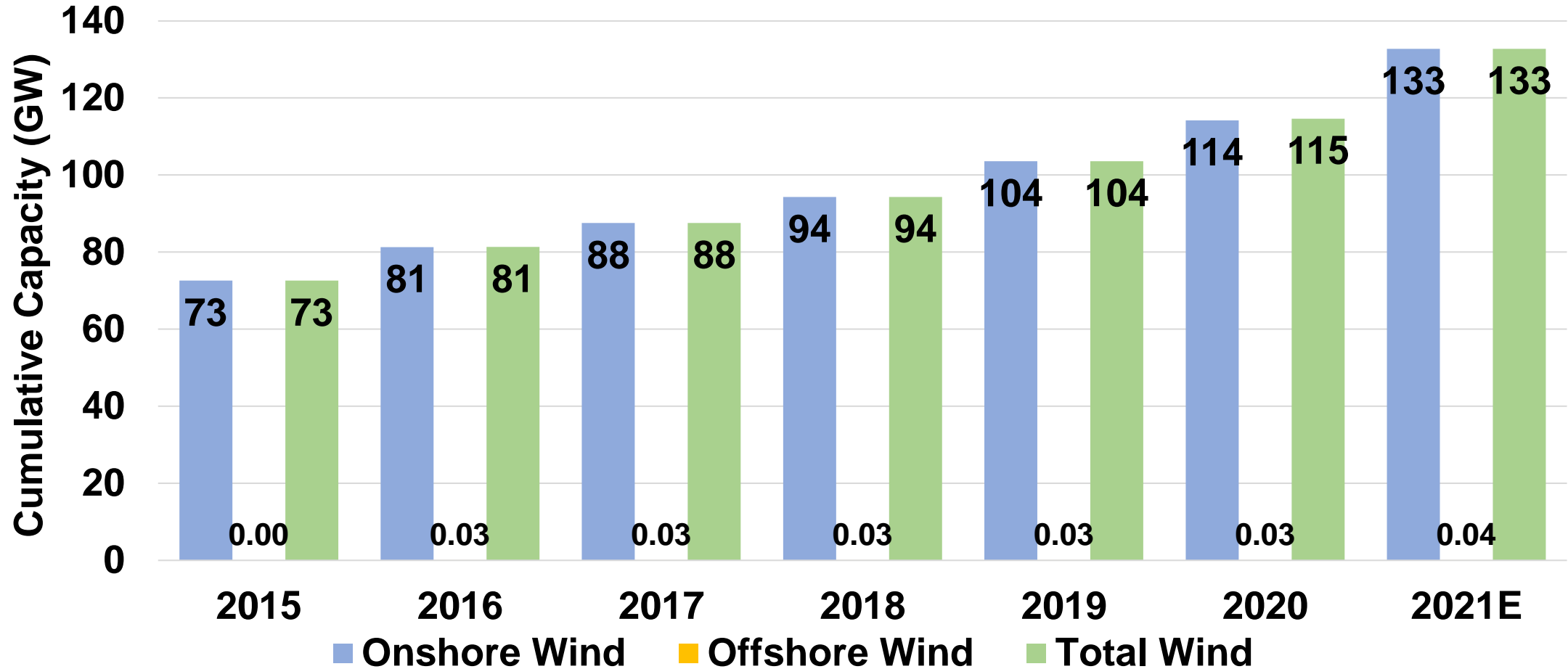


12/31/2021 Note: PV Small is less than 1.0 MW; PV Utility is 1.0 MW and greater

Wind Annual Capacity Additions 2021 Forecast



Wind Annual Cumulative Capacity 2021 Forecast

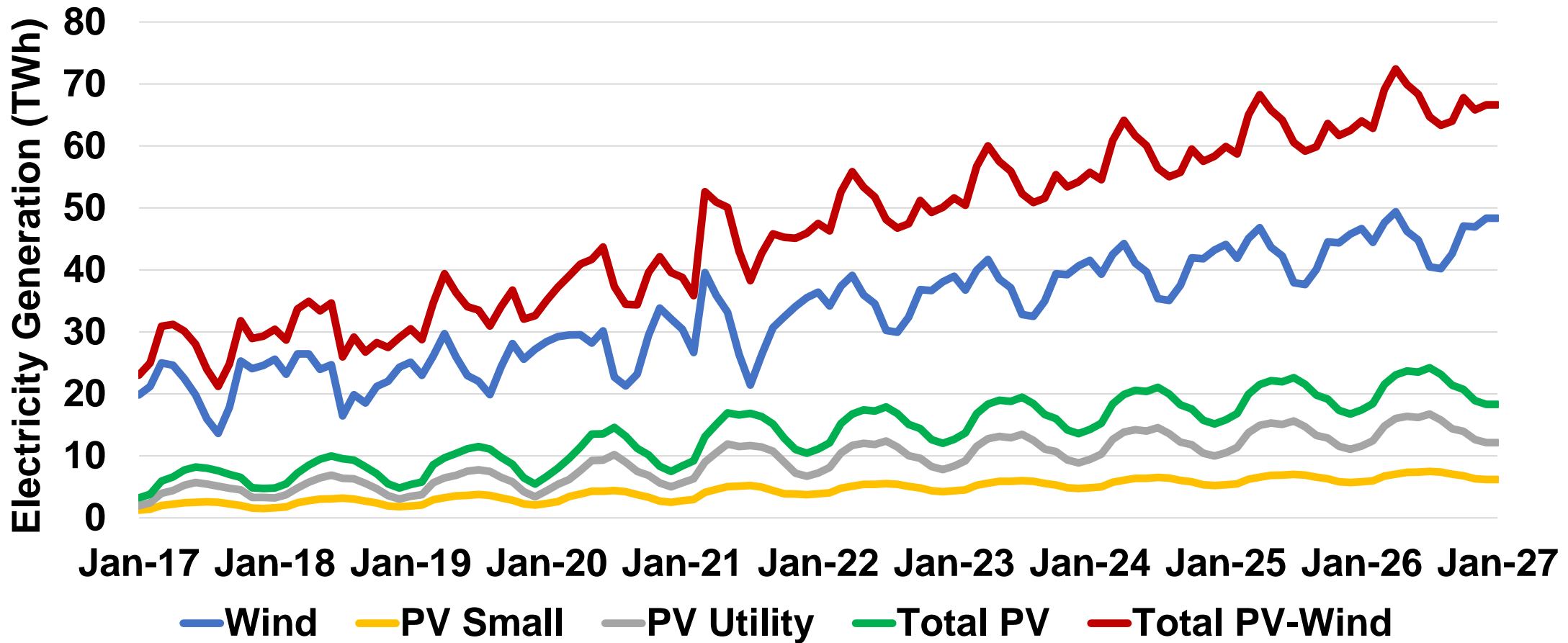




U.S. PV and Wind Electricity Generation

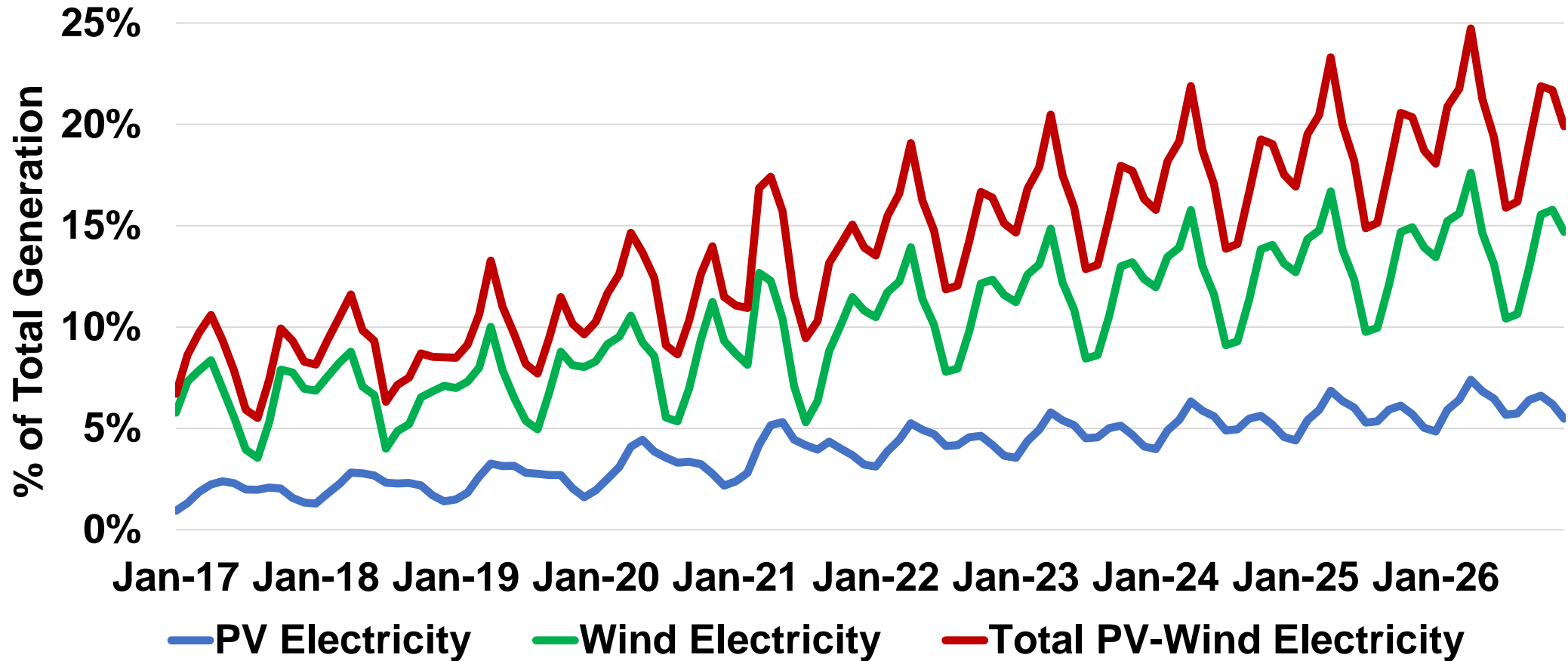
U.S. PV & Wind Monthly Electricity Generation (2017-2026)

Actual through October 2021; Forecast through Dec. 2026



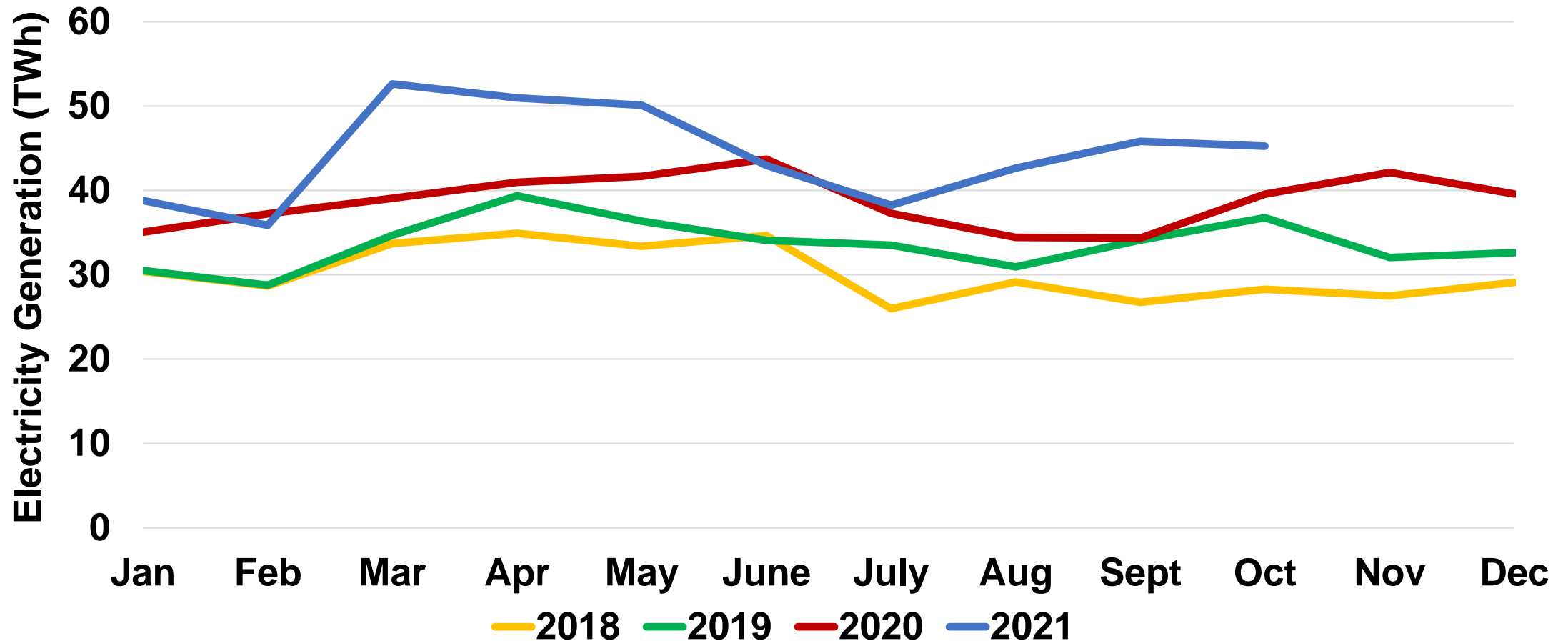
Note: PV Small is less than 1.0 MW; PV Utility is 1.0 MW and greater

U.S. PV & Wind Electricity as % of Total Generation Actual through October 2021; Forecast through Dec. 2026

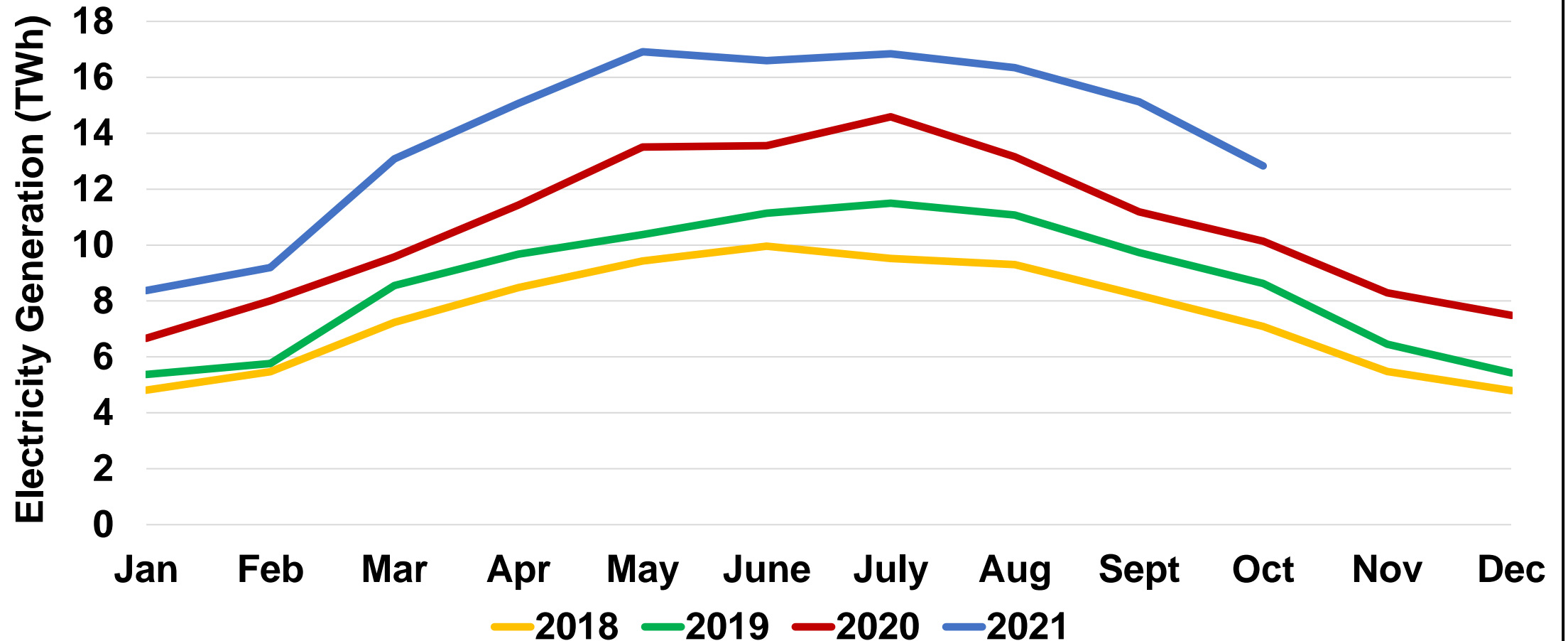


Note: Fossil fuel electricity generation was 60% of total 2020 electricity generation.

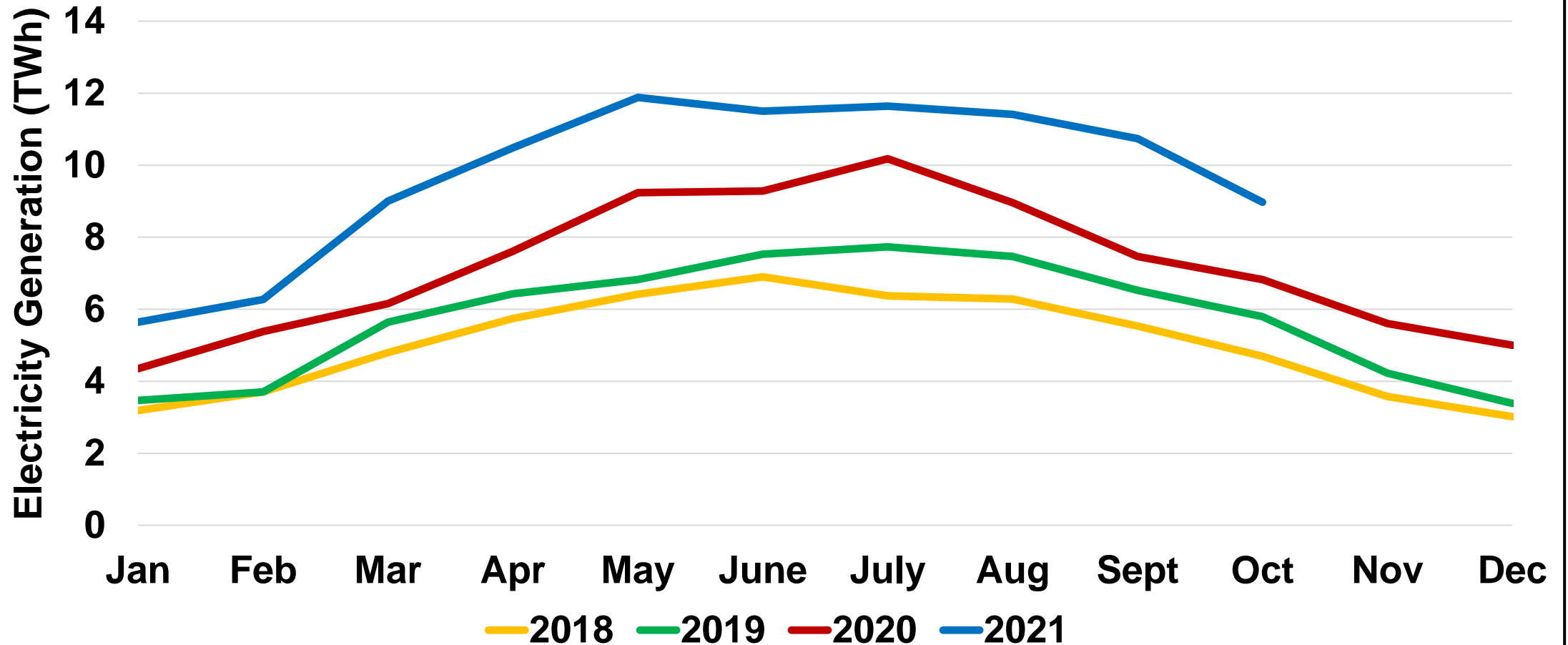
Combined PV and Wind Electricity Generation Year-on-Year (through October 2021)



PV Electricity Generation Year-on-Year (through October 2021)

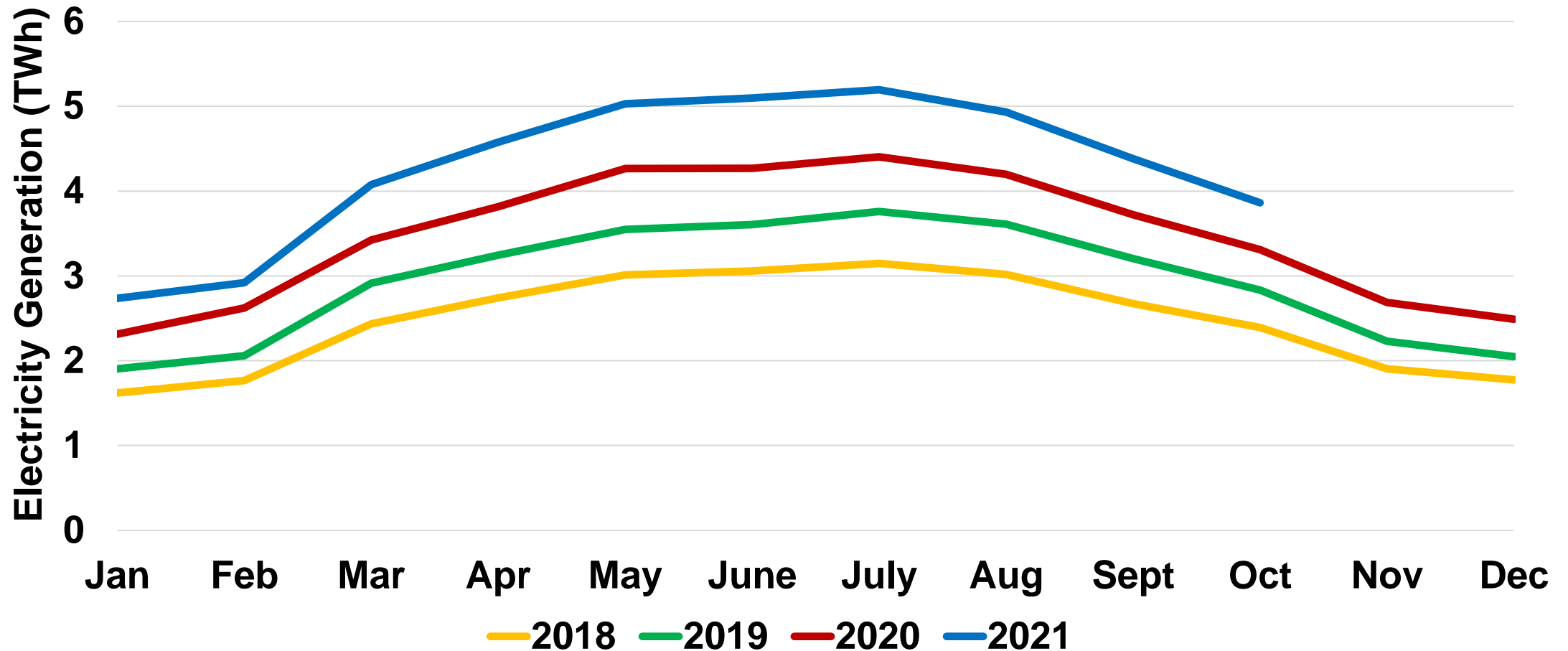


Utility PV Electricity Generation Year-on-Year (through October 2021)

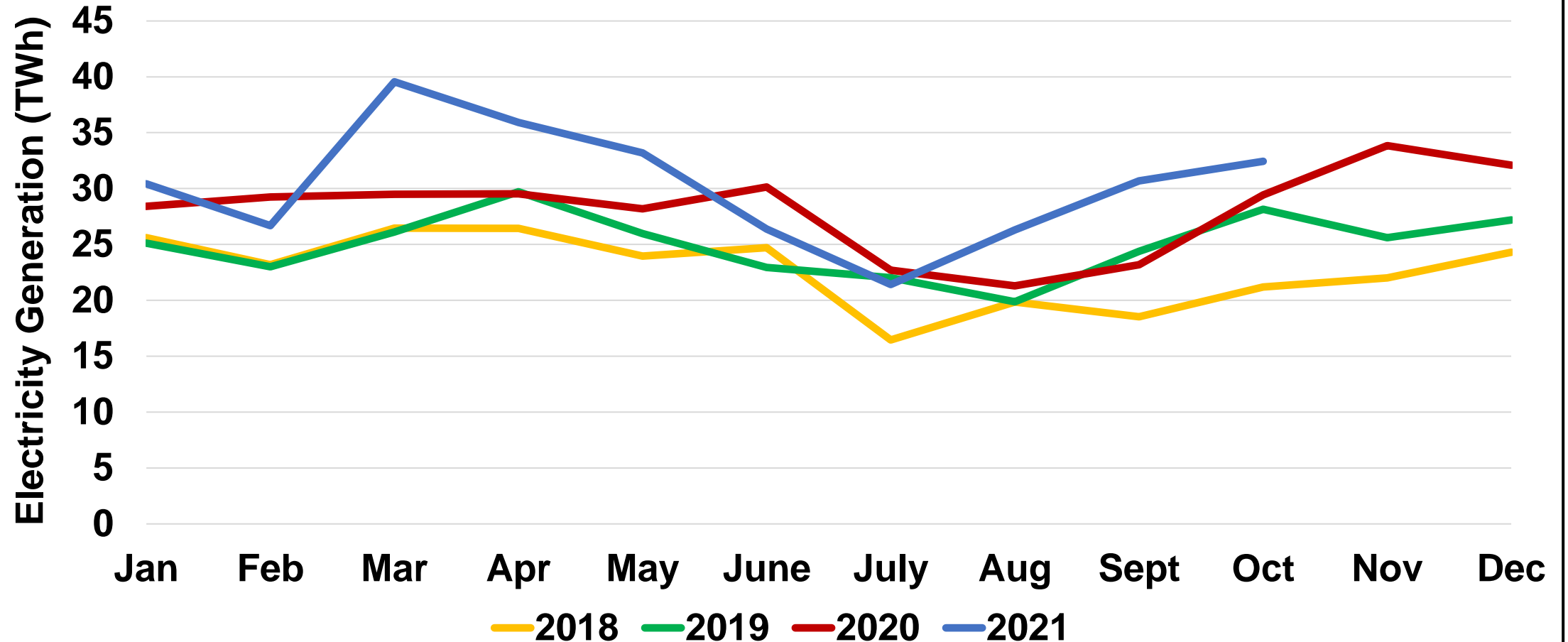


Note: PV Utility is greater than 1.0 MW

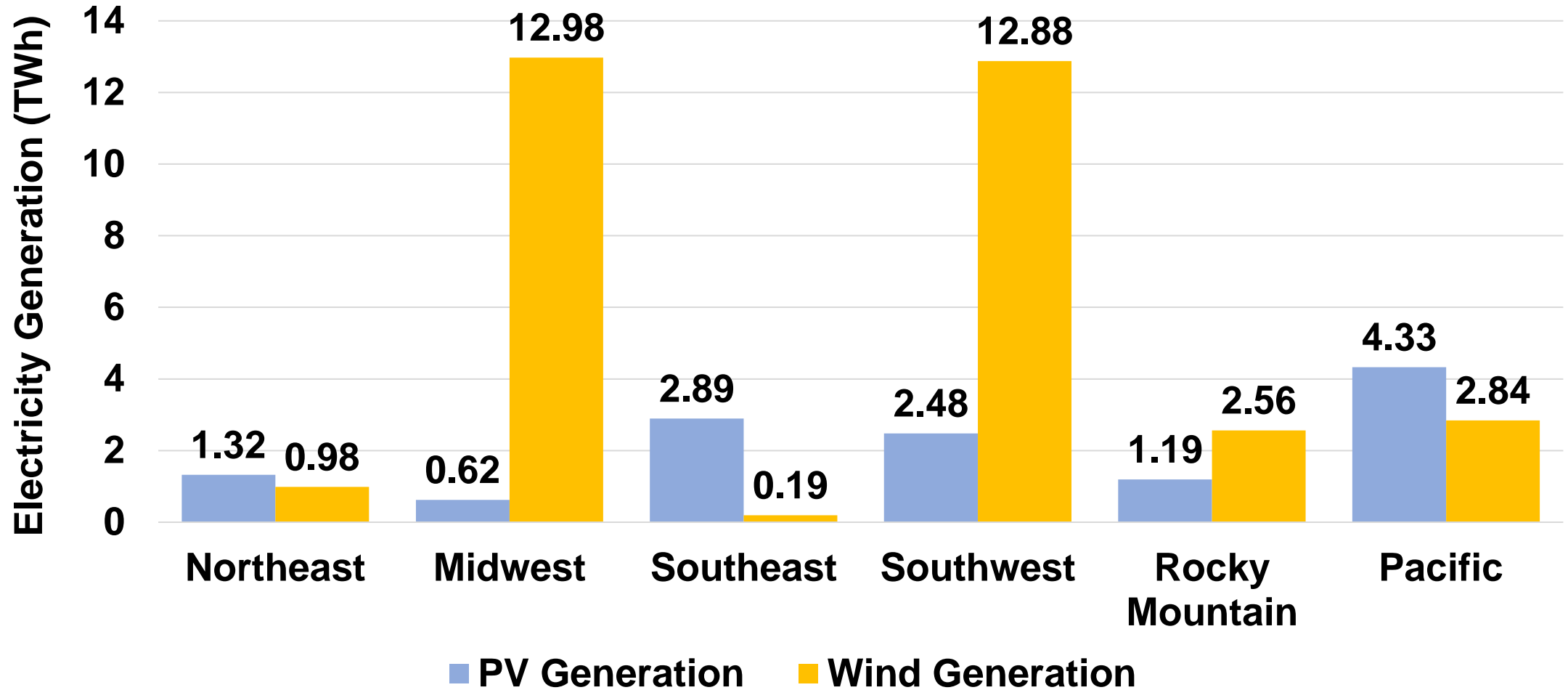
Small PV Electricity Generation Year-on-Year (through October 2021)



Wind Electricity Generation Year-on-Year (through October 2021)



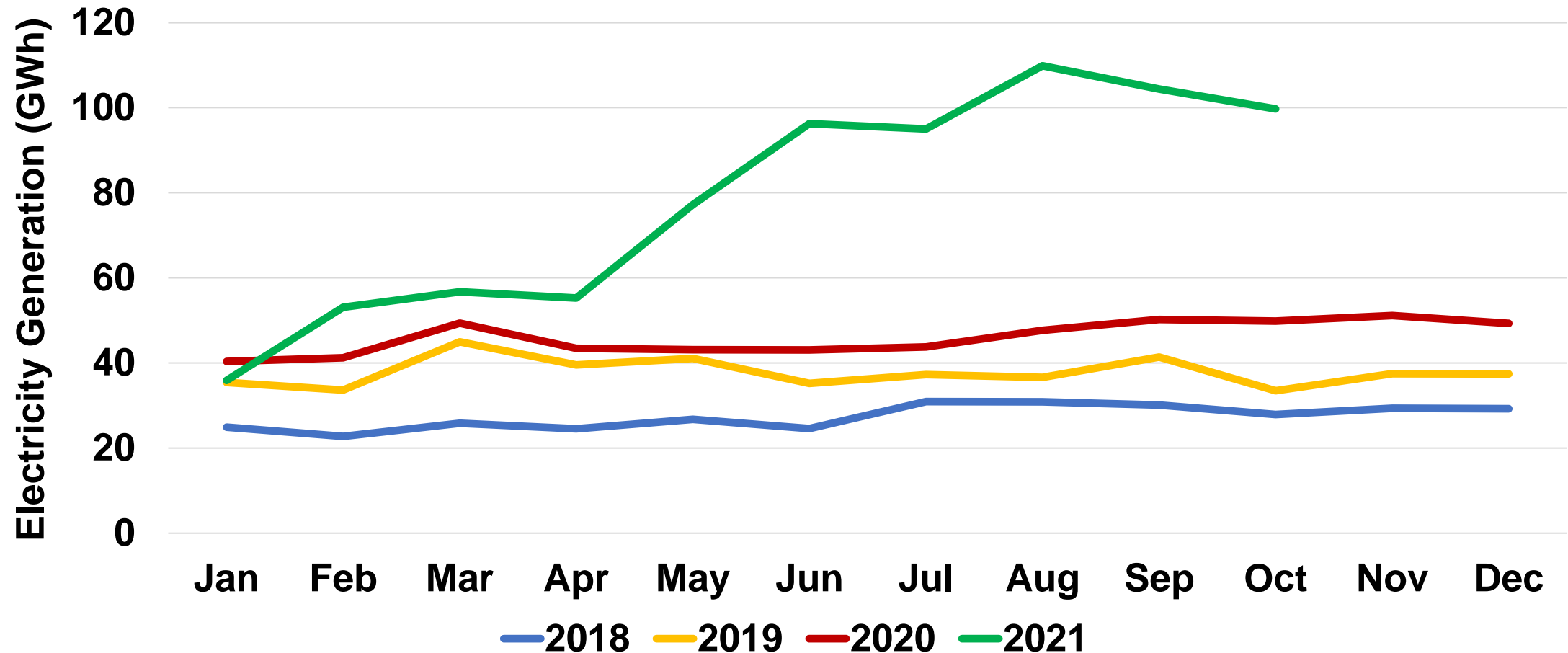
Regional PV & Wind Electricity Generation October 2021



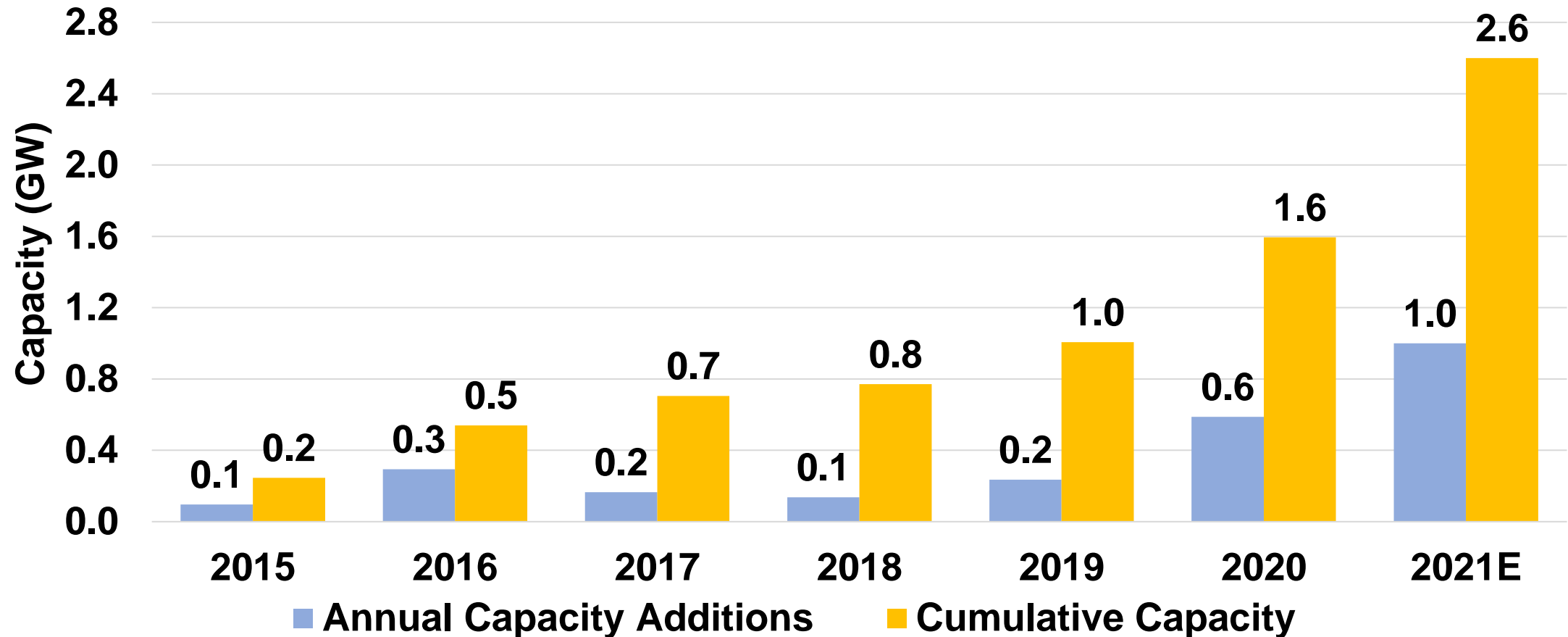


U.S. Battery Storage

Battery Electricity Generation Year-on-Year (through October 2021)



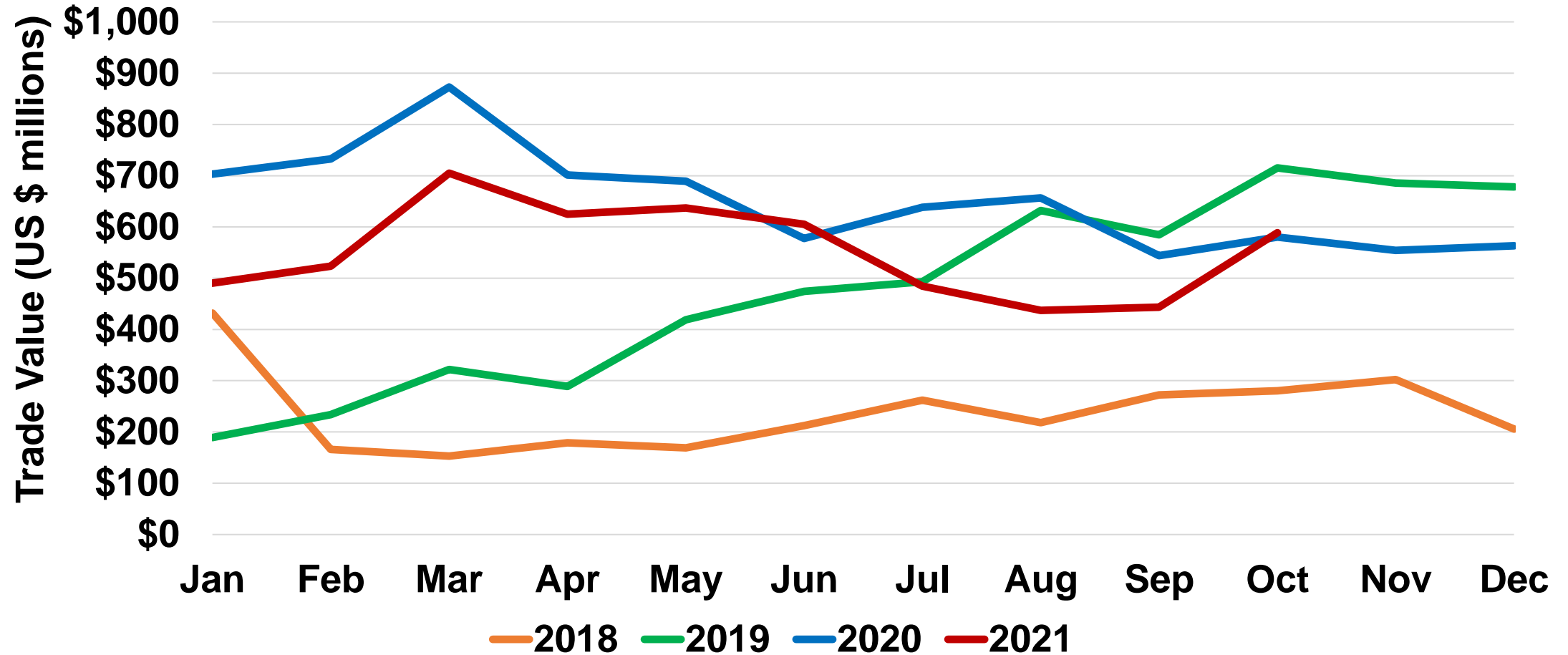
Battery Storage Cumulative Capacity and Annual Capacity Additions 2021 Forecast



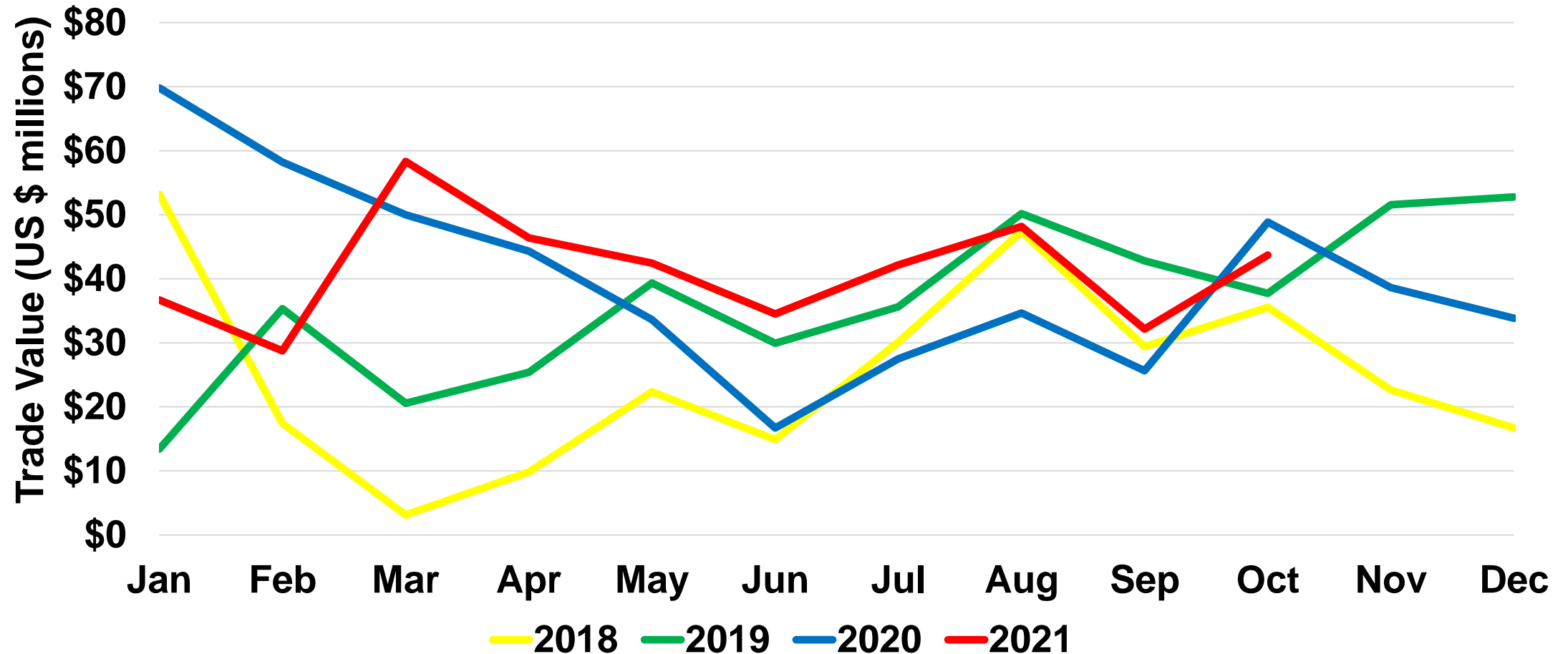


U.S. PV Trade (Cells and Modules)

U.S. Year-on-Year PV Panel Imports (through October 2021)



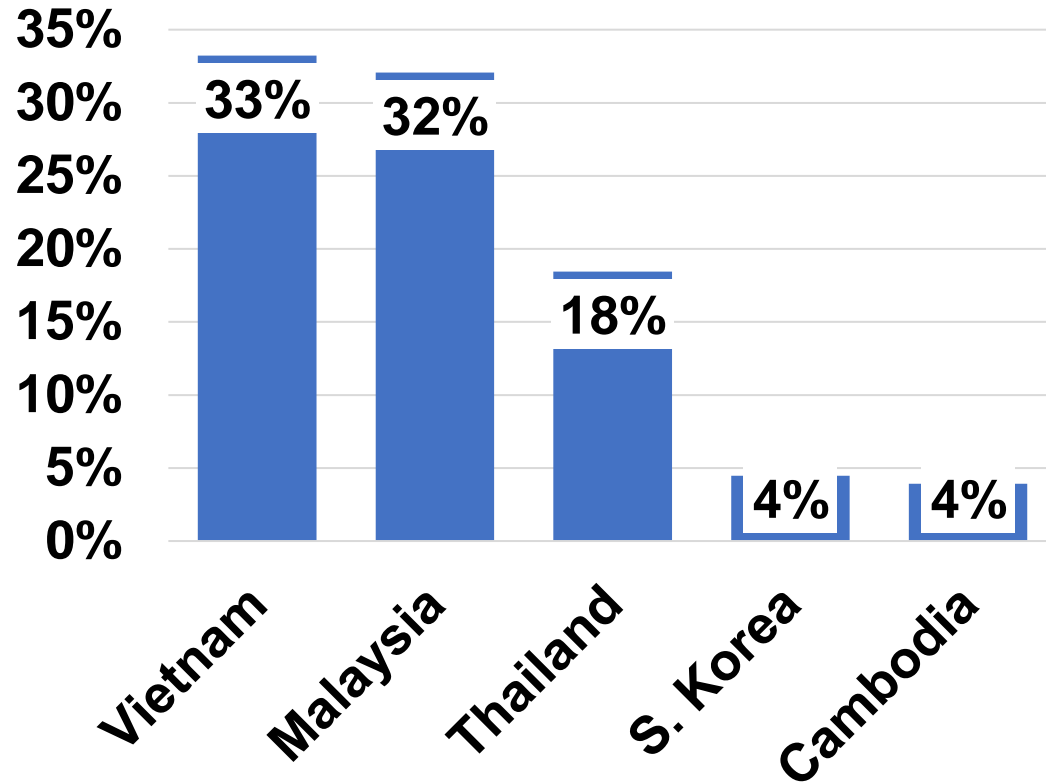
U.S. Year-on-Year PV Cell Imports (through October 2021)



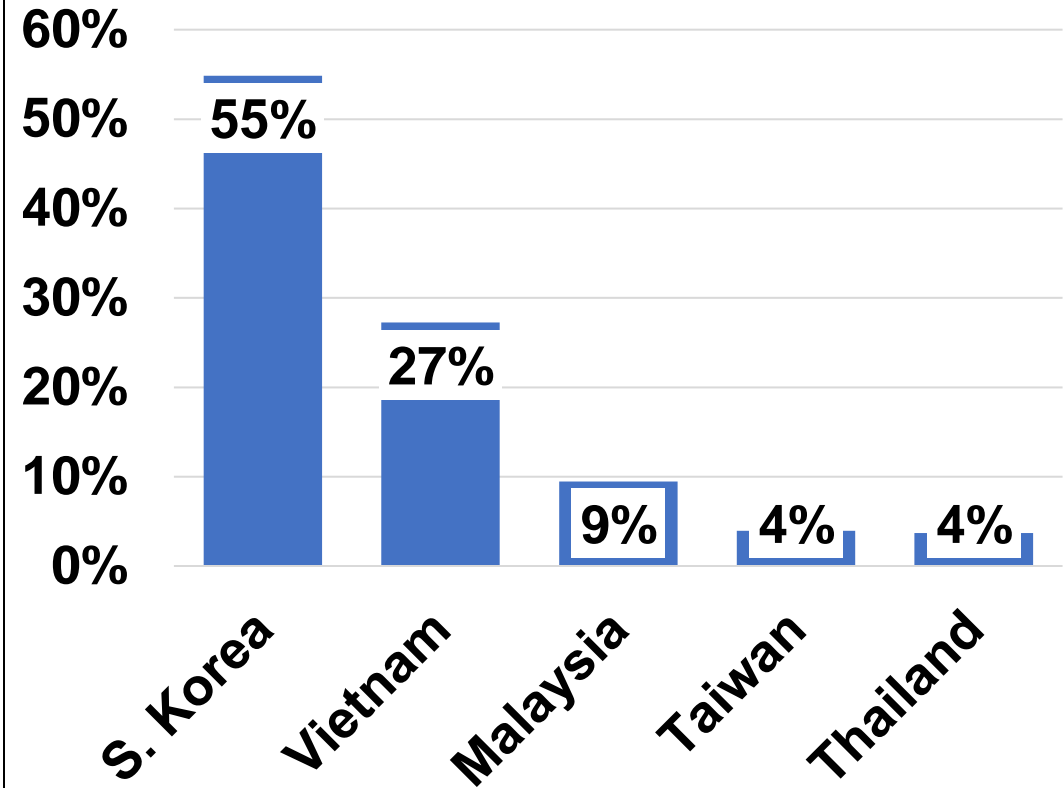
Monthly U.S. PV Panel and Cell Imports by Country October 2021



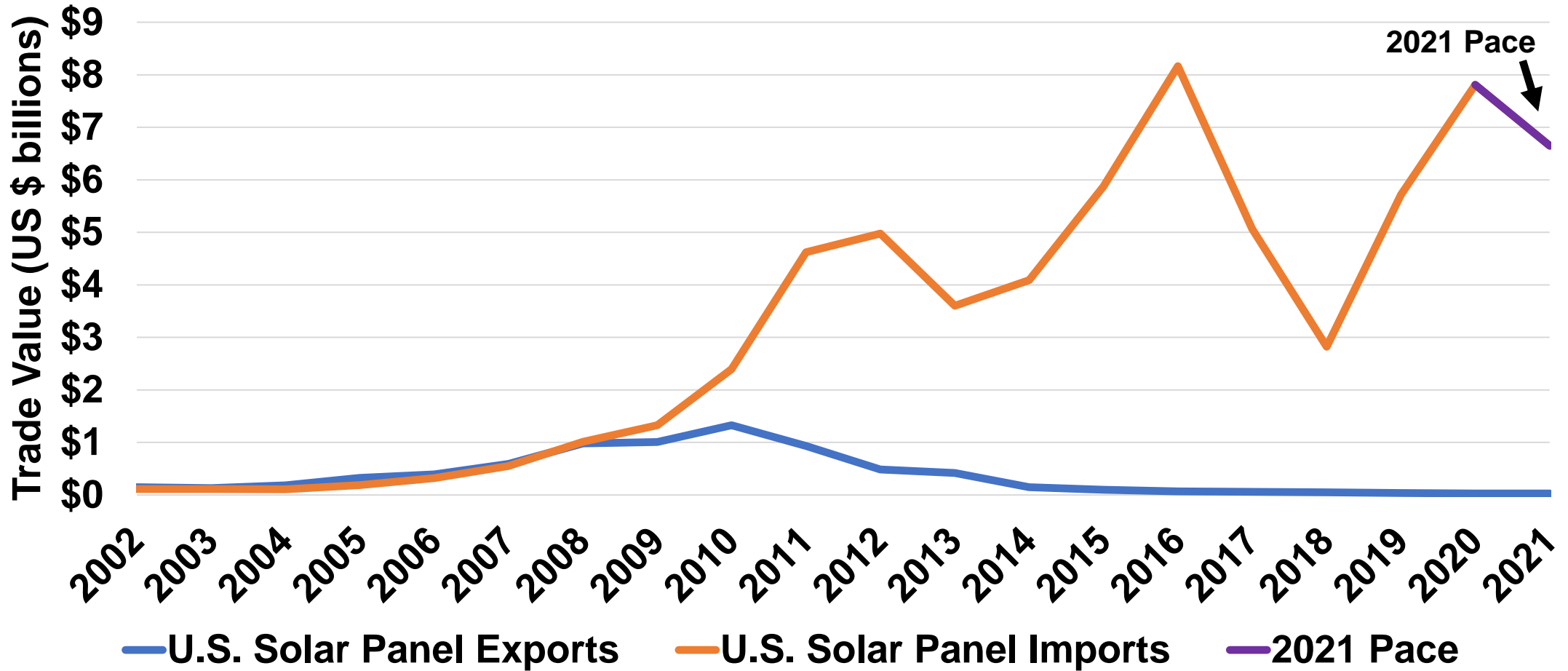
U.S. PV Panel Imports by Country



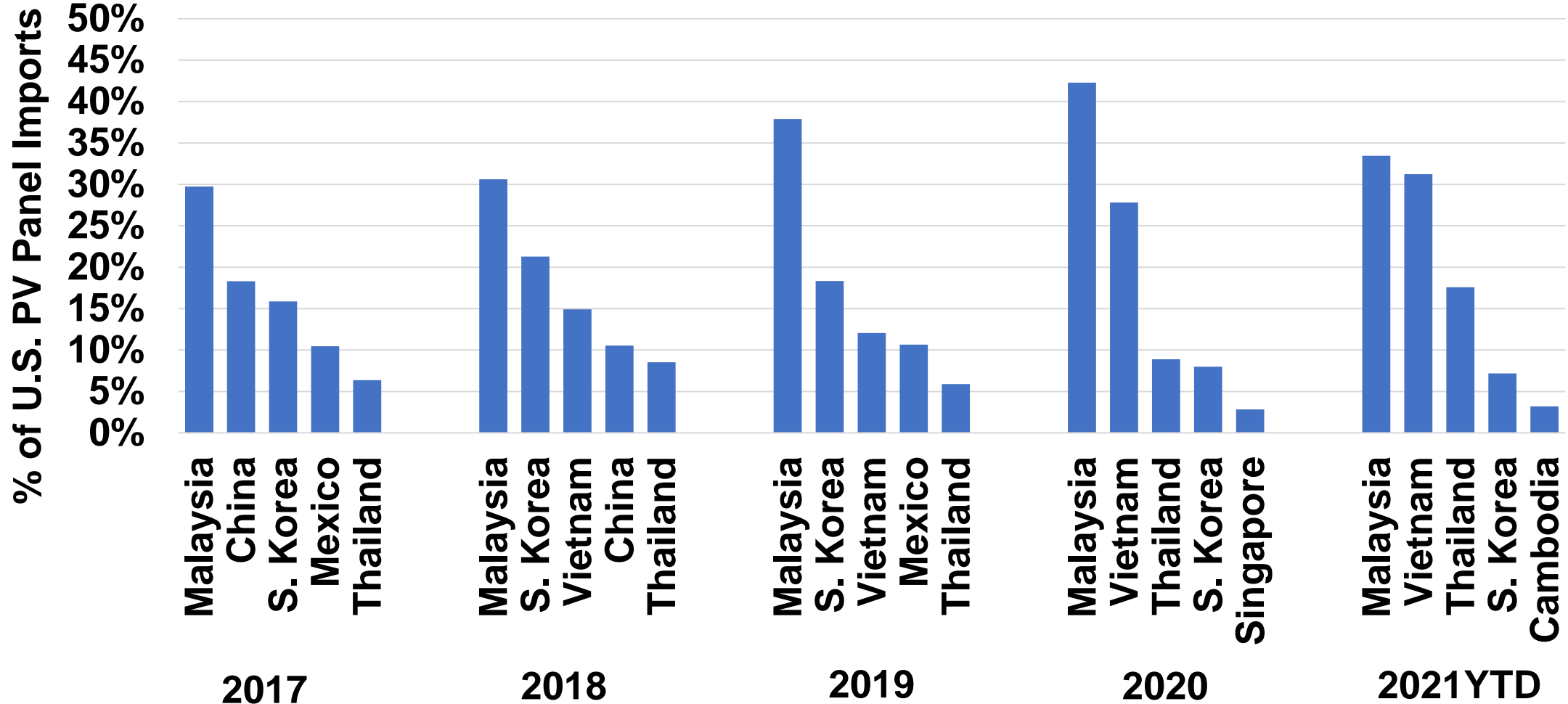
U.S. PV Cell Imports by Country



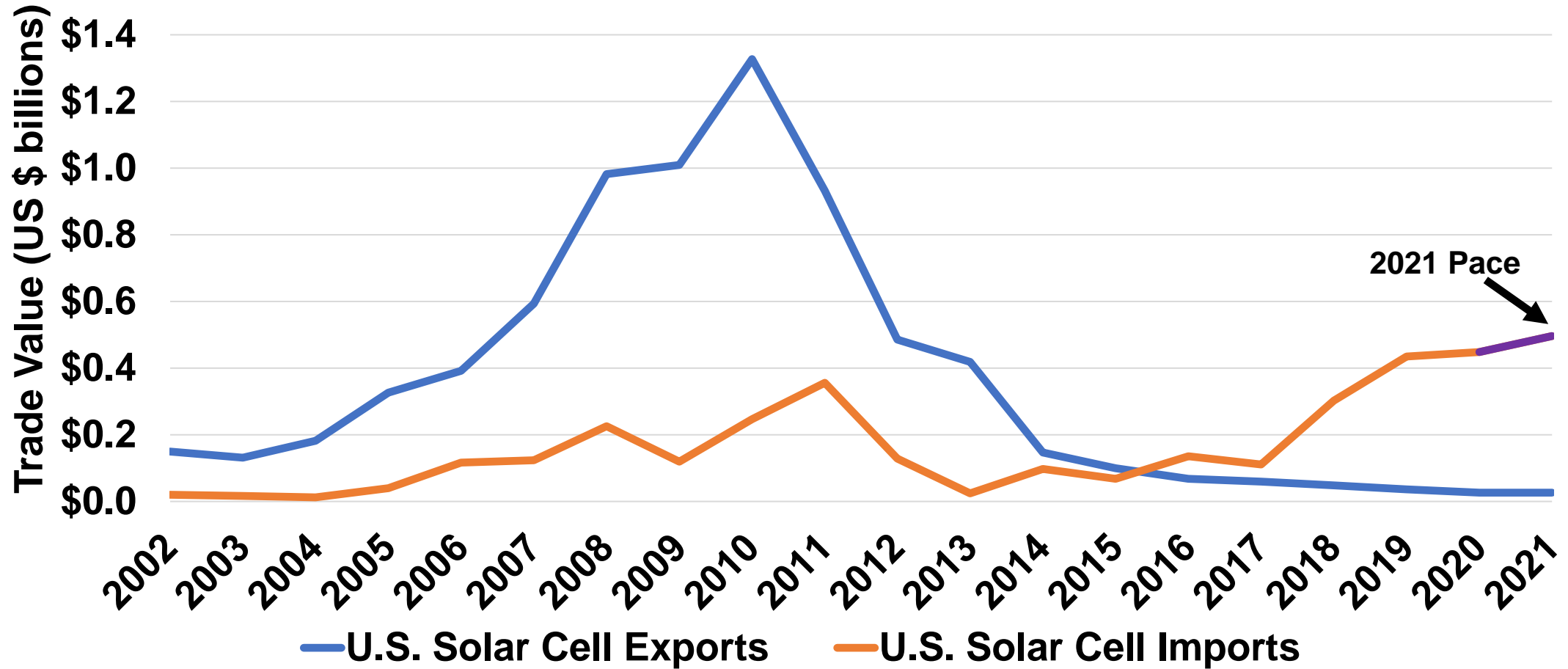
U.S. Annual PV Panel Trade through October 2021



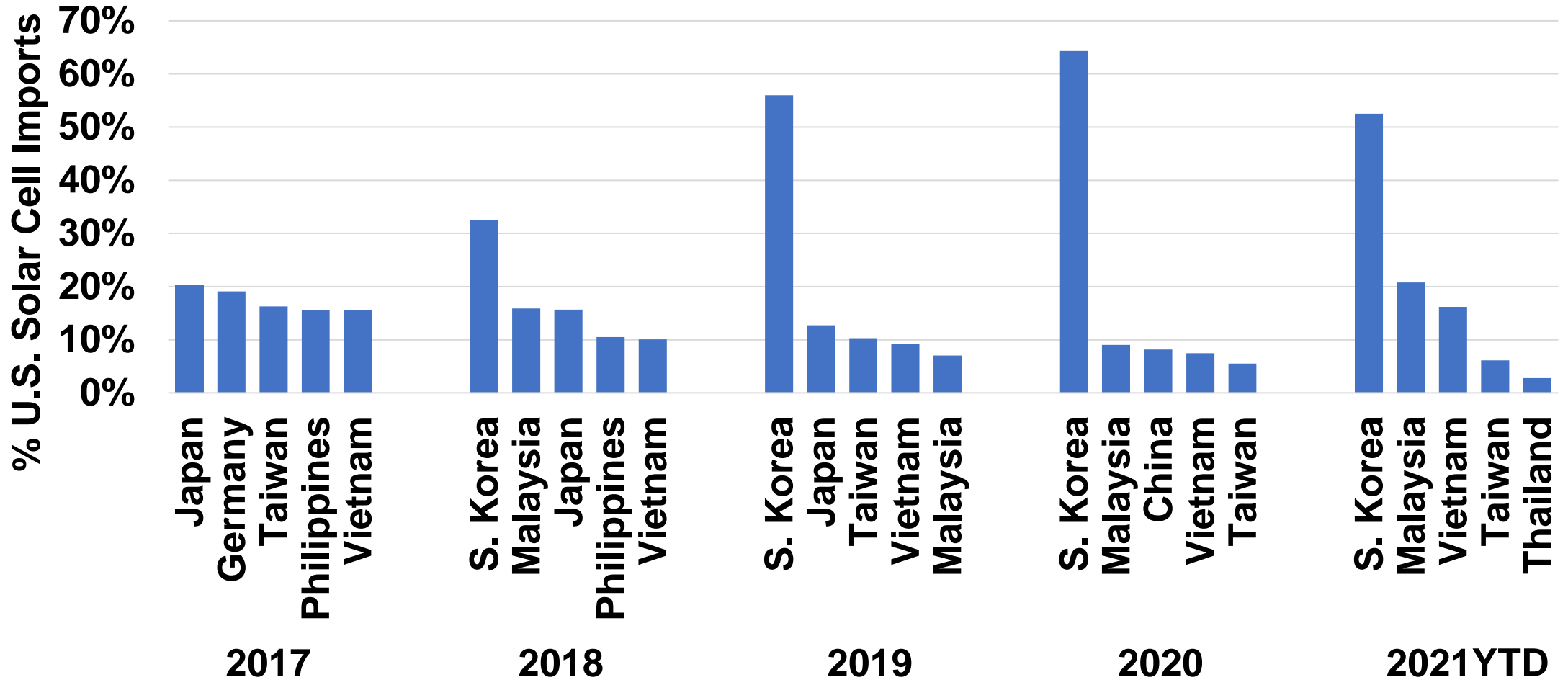
Annual U.S. PV Panel Imports Rank Order of Countries through October 2021



Annual U.S. PV Cell Trade through October 2021



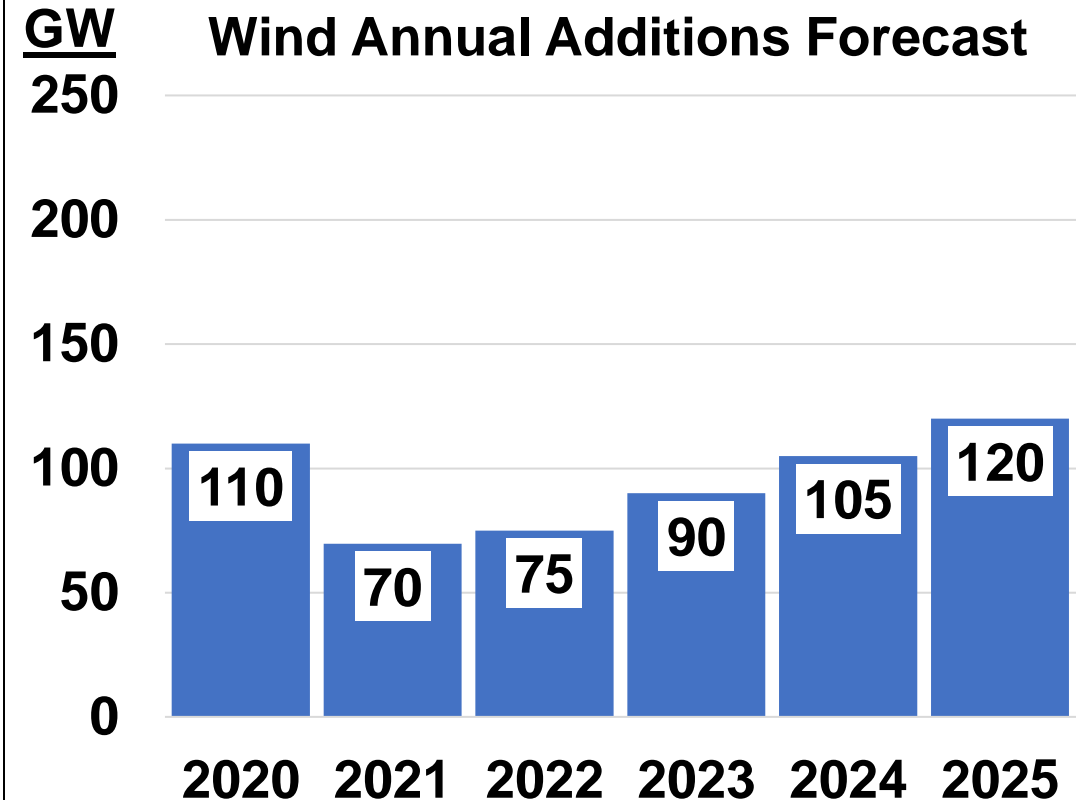
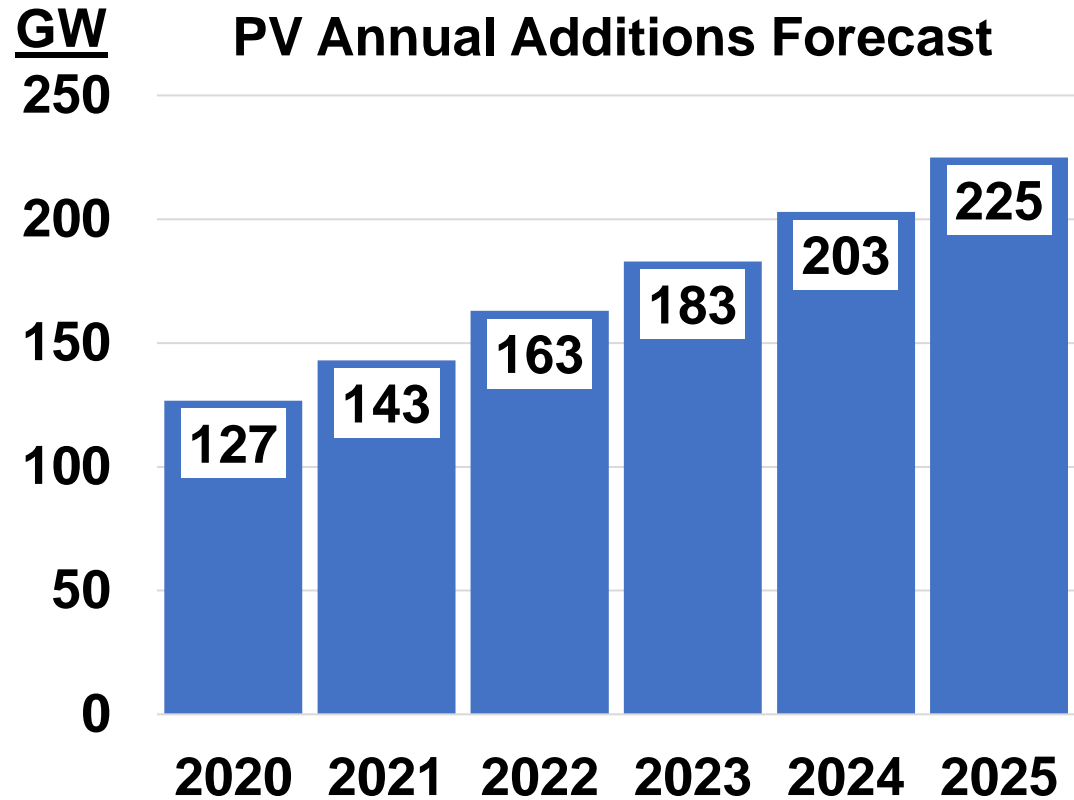
U.S. PV Cell Imports Rank Order of Countries through October 2021



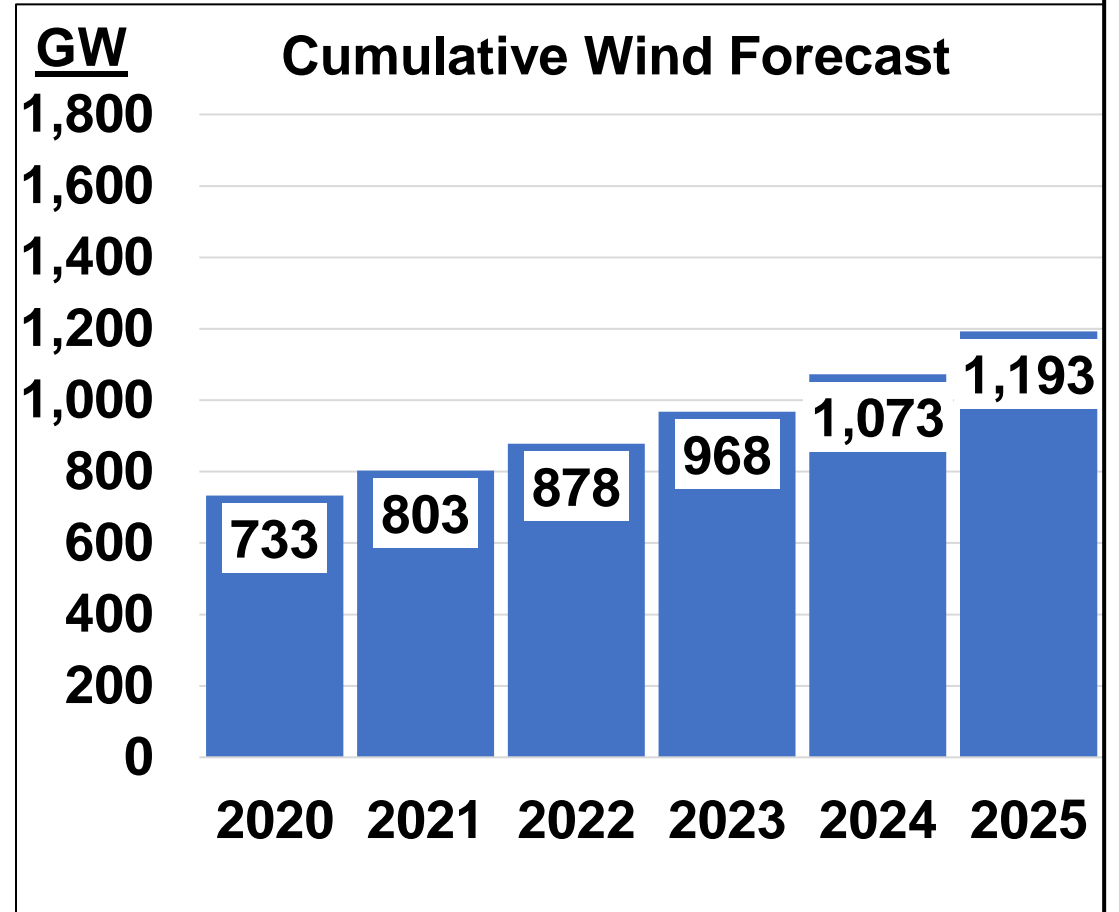
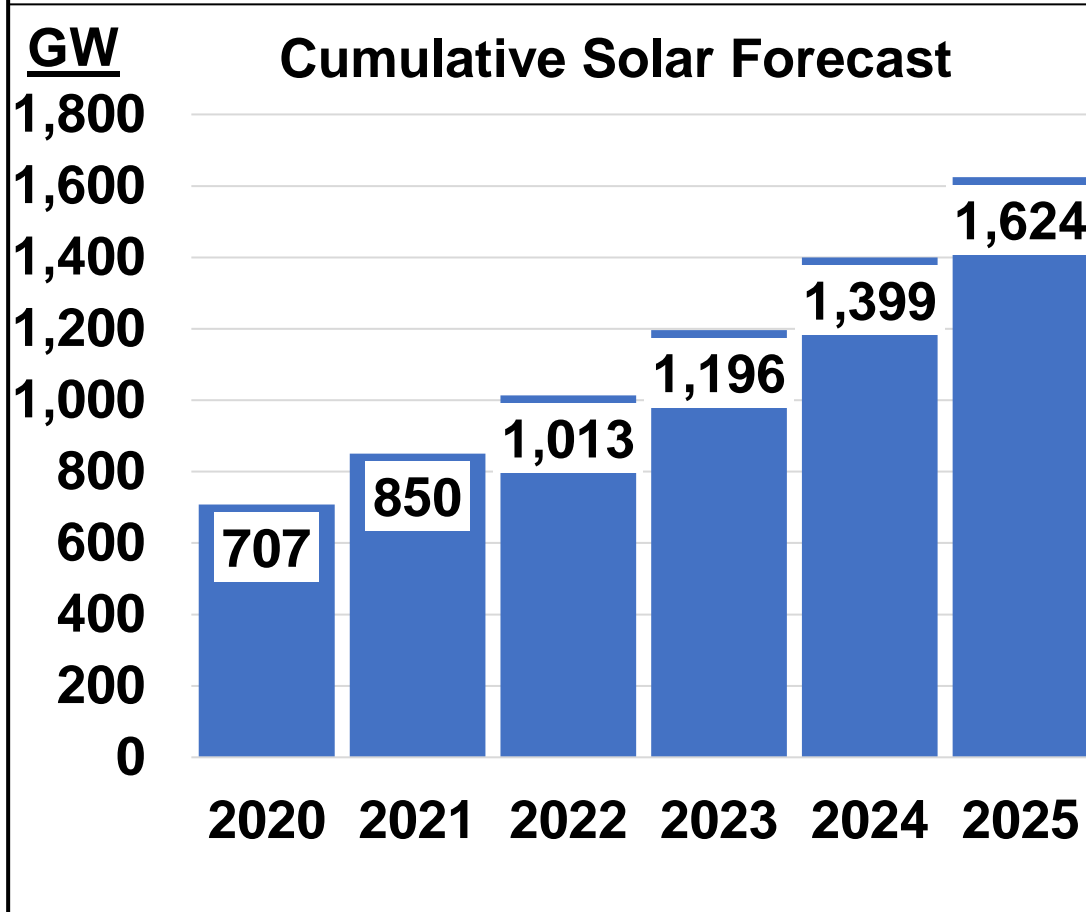


World PV and Wind

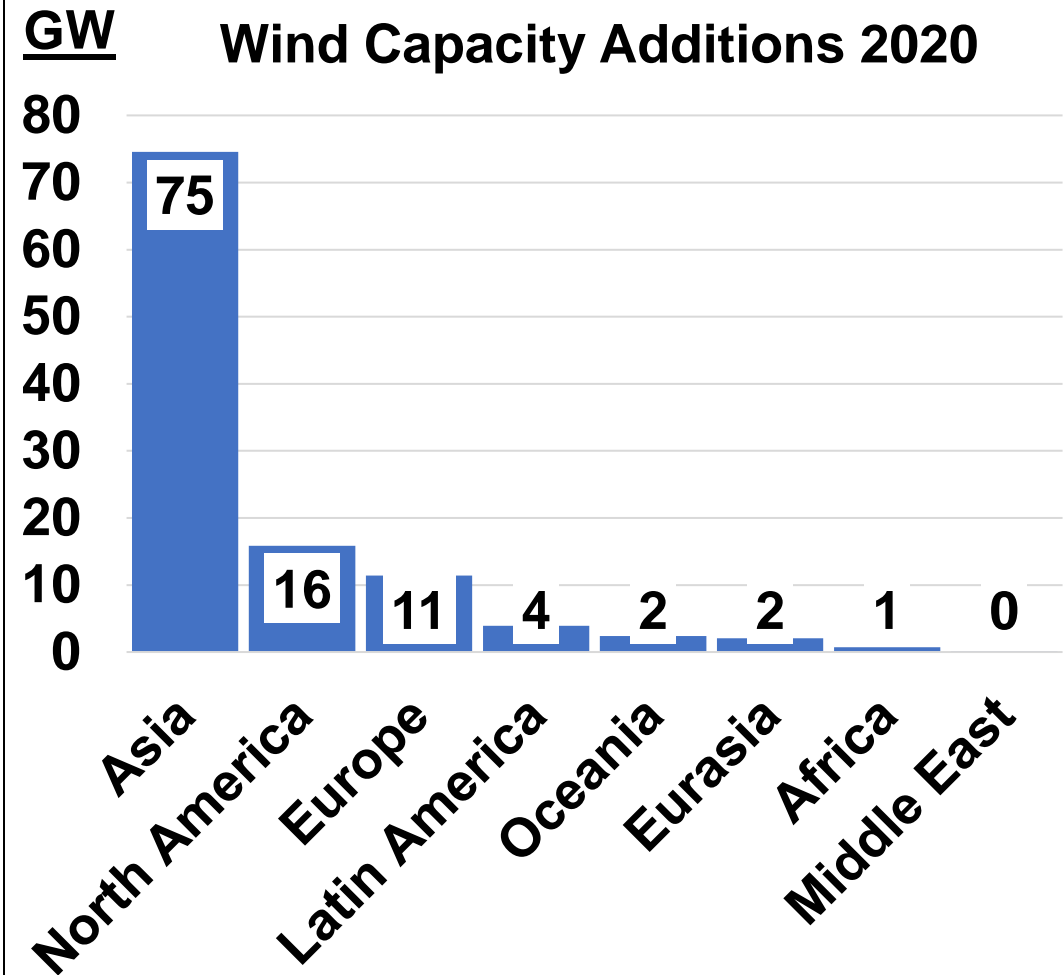
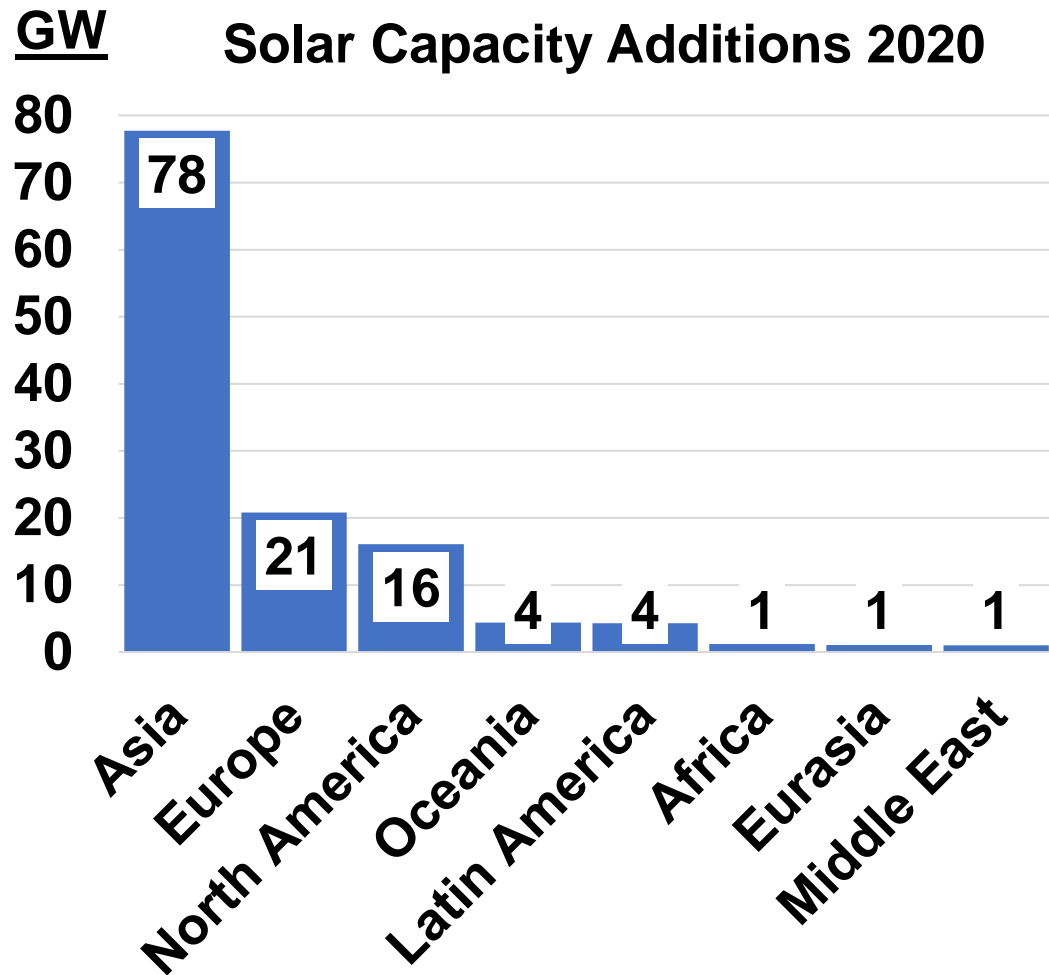
World PV and Wind Annual Capacity Additions Forecast 2020-2025



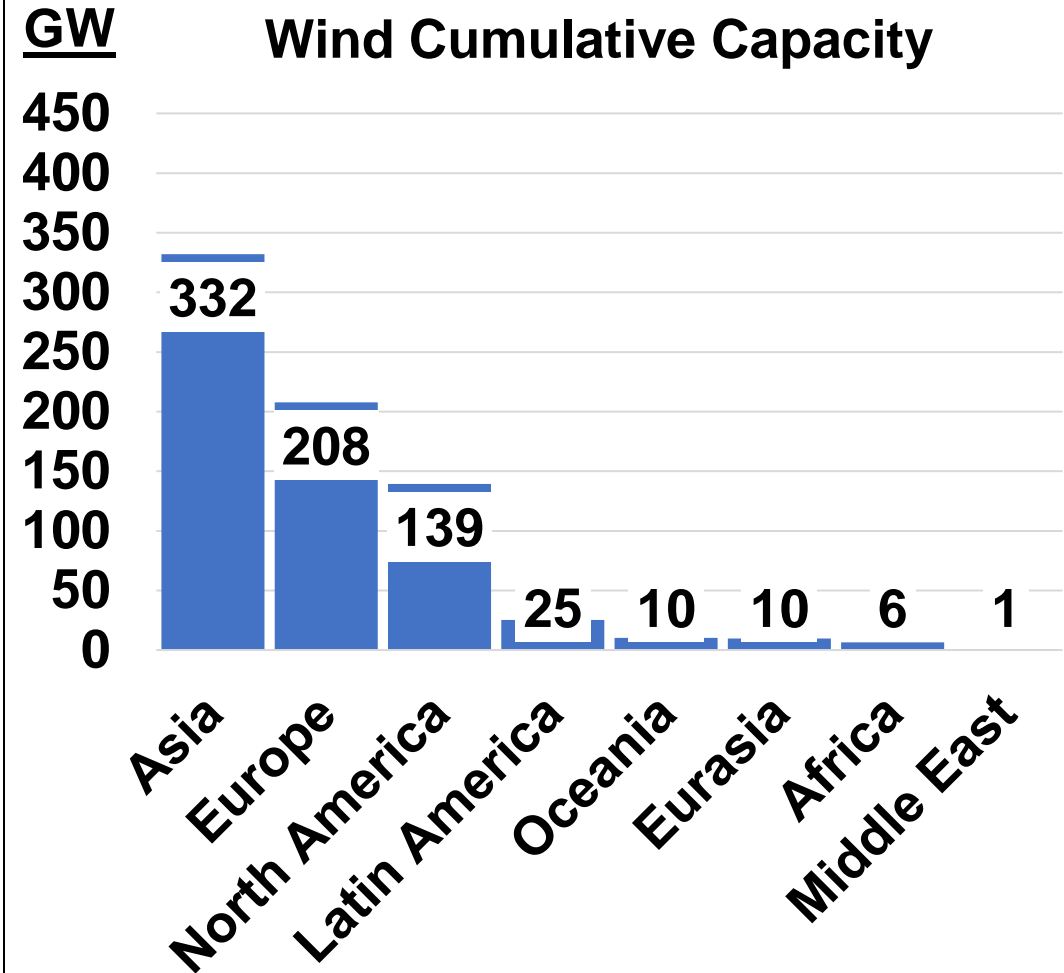
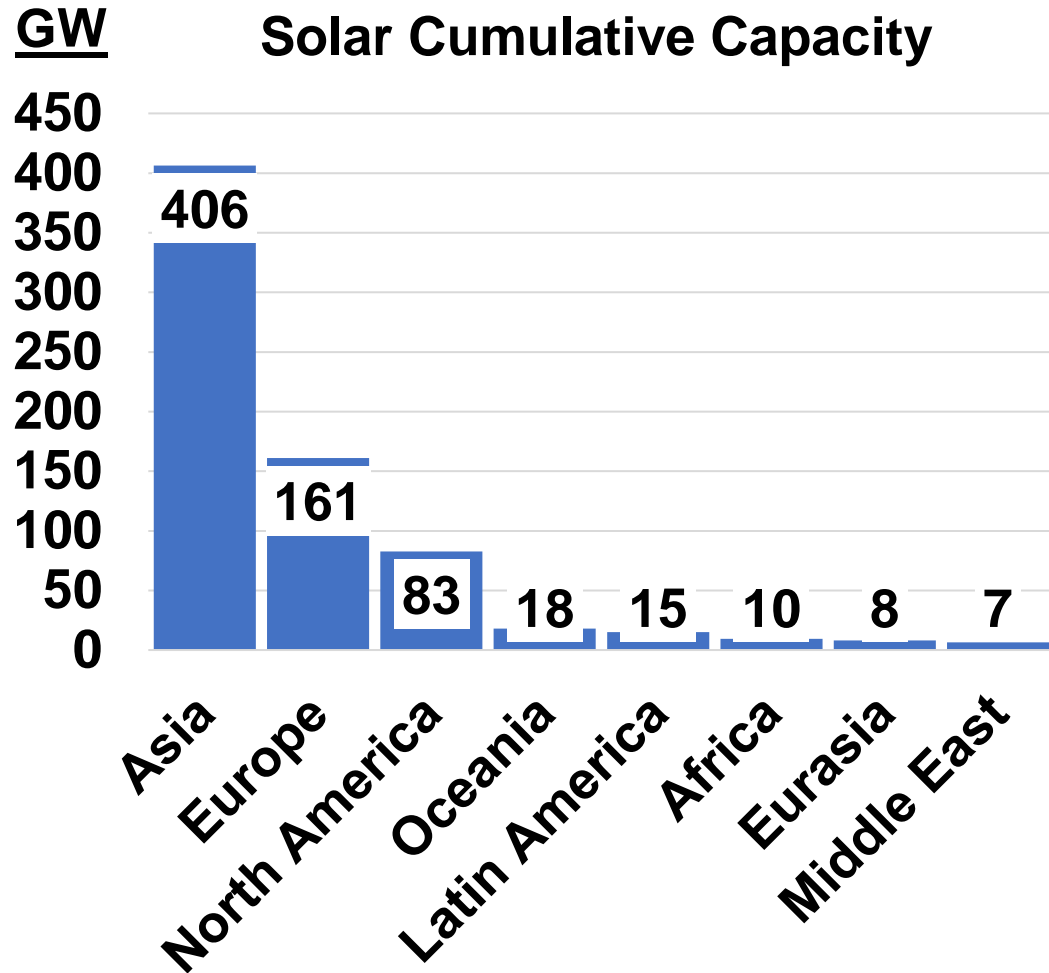
World Solar and Wind Cumulative Capacity Forecast 2020-2025



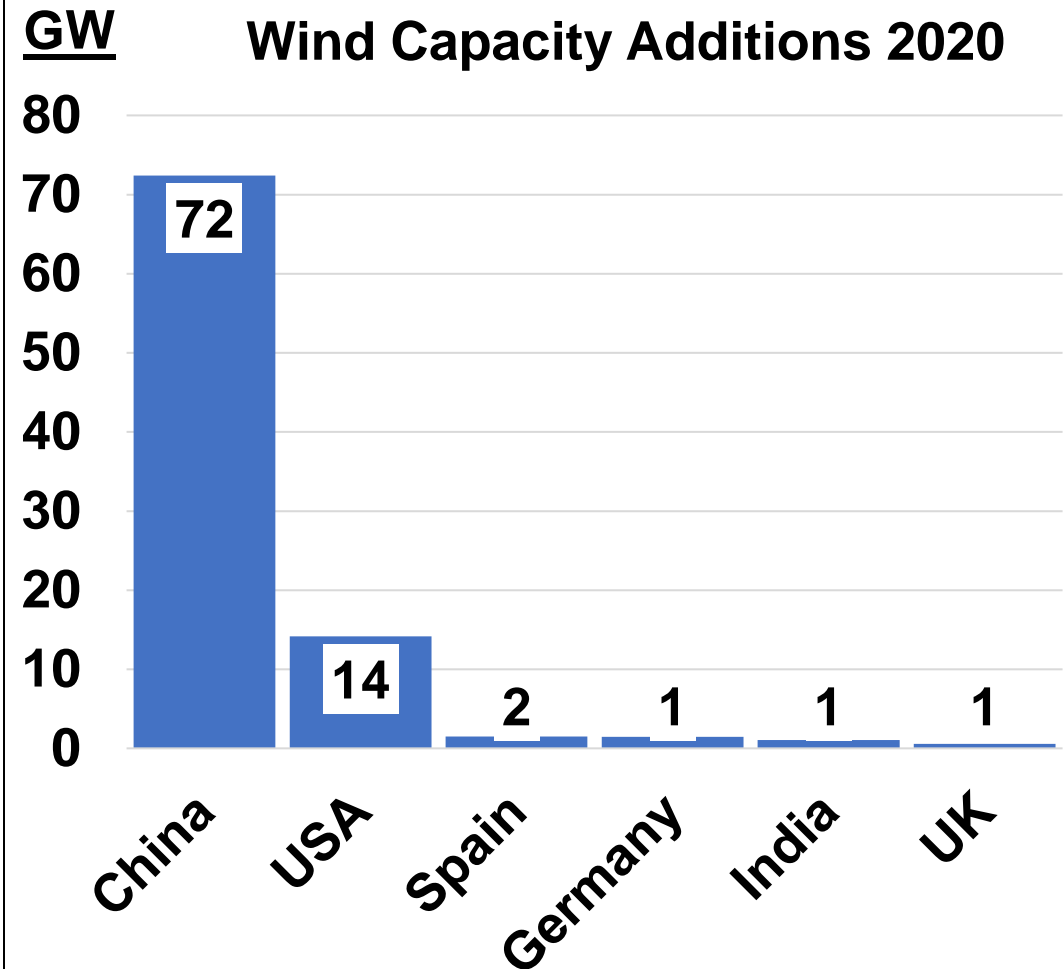
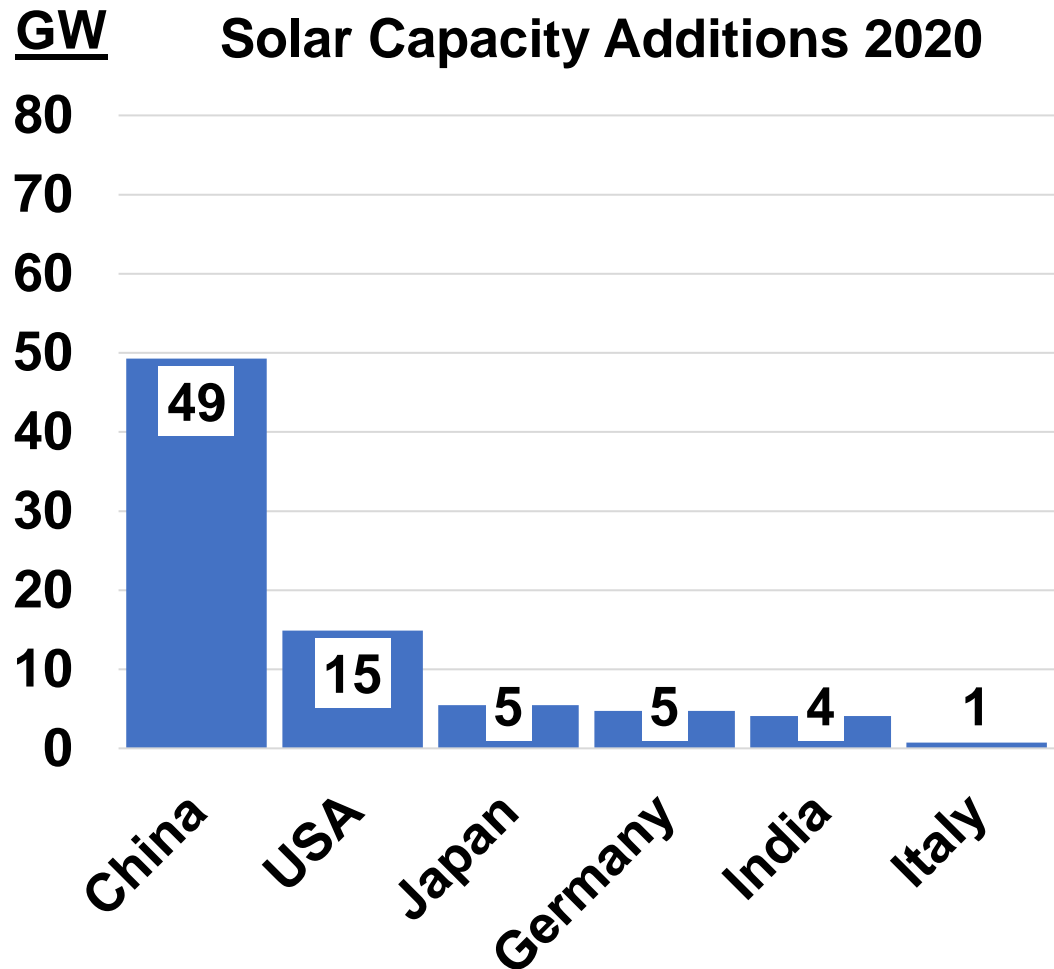
2020 World Regional Solar and Wind Capacity Additions



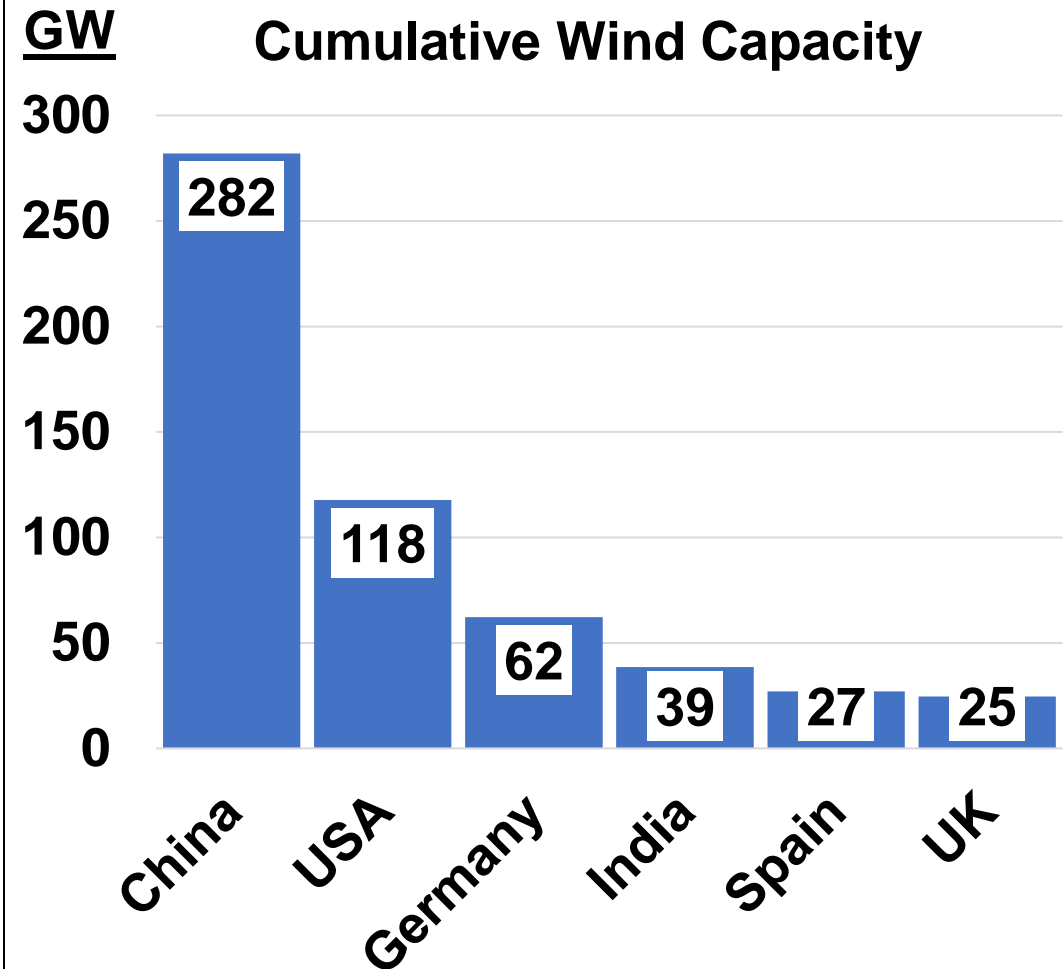
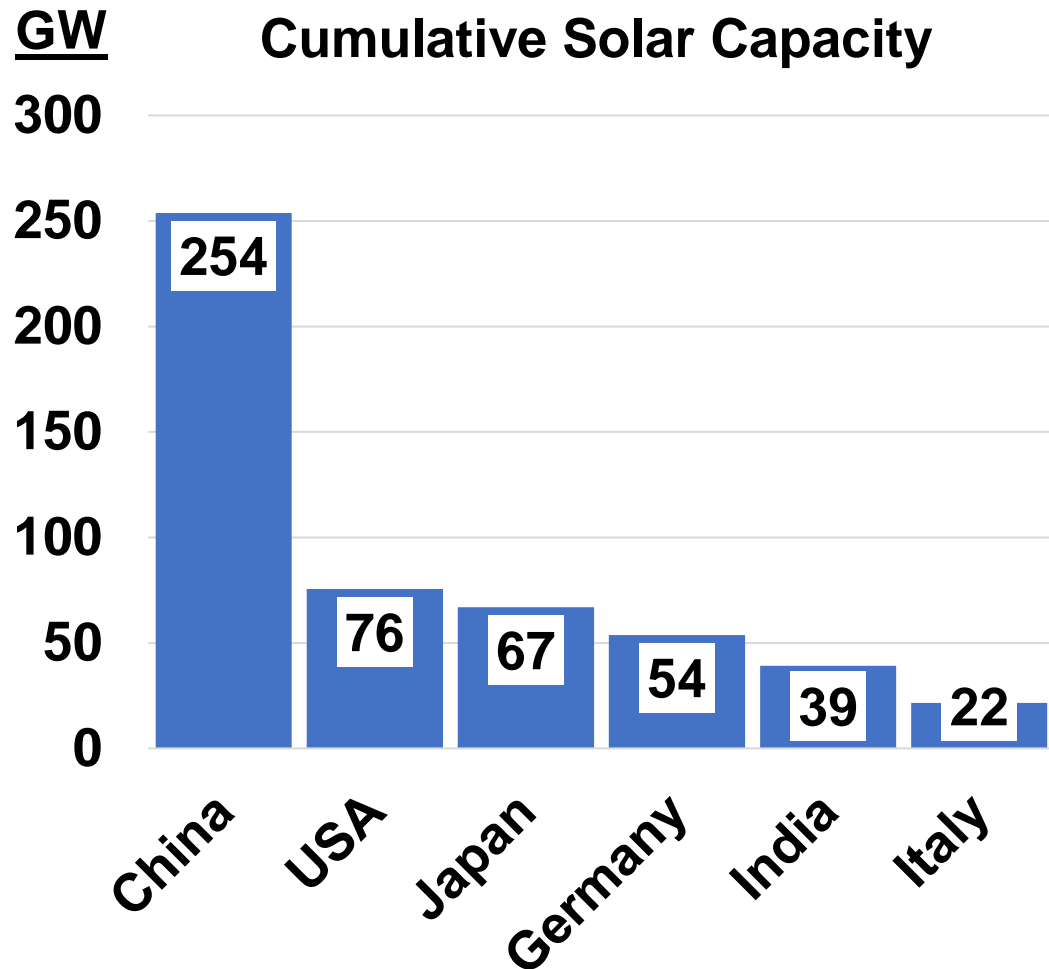
2020 World Regional Solar and Wind Cumulative Capacity



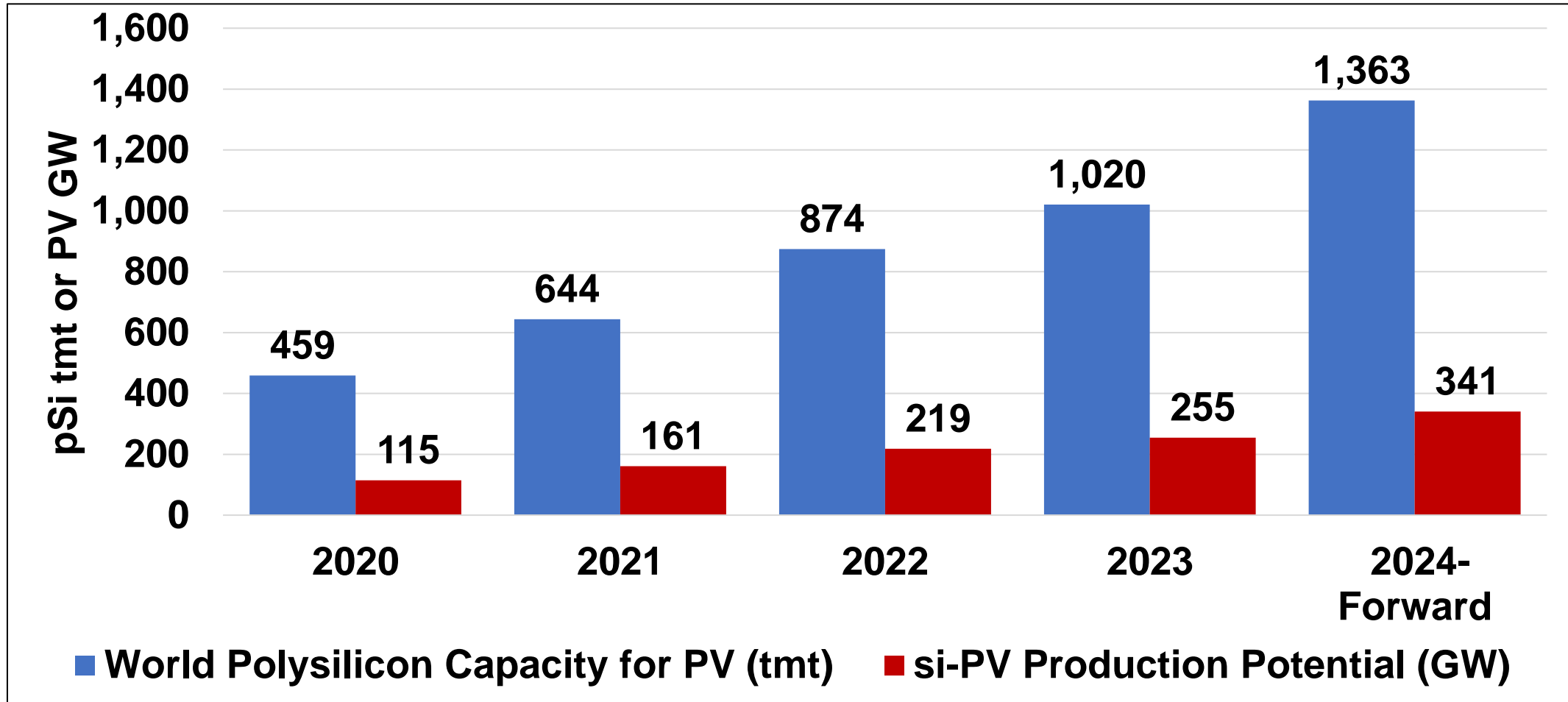
2020 Country Level Solar and Wind Capacity Additions



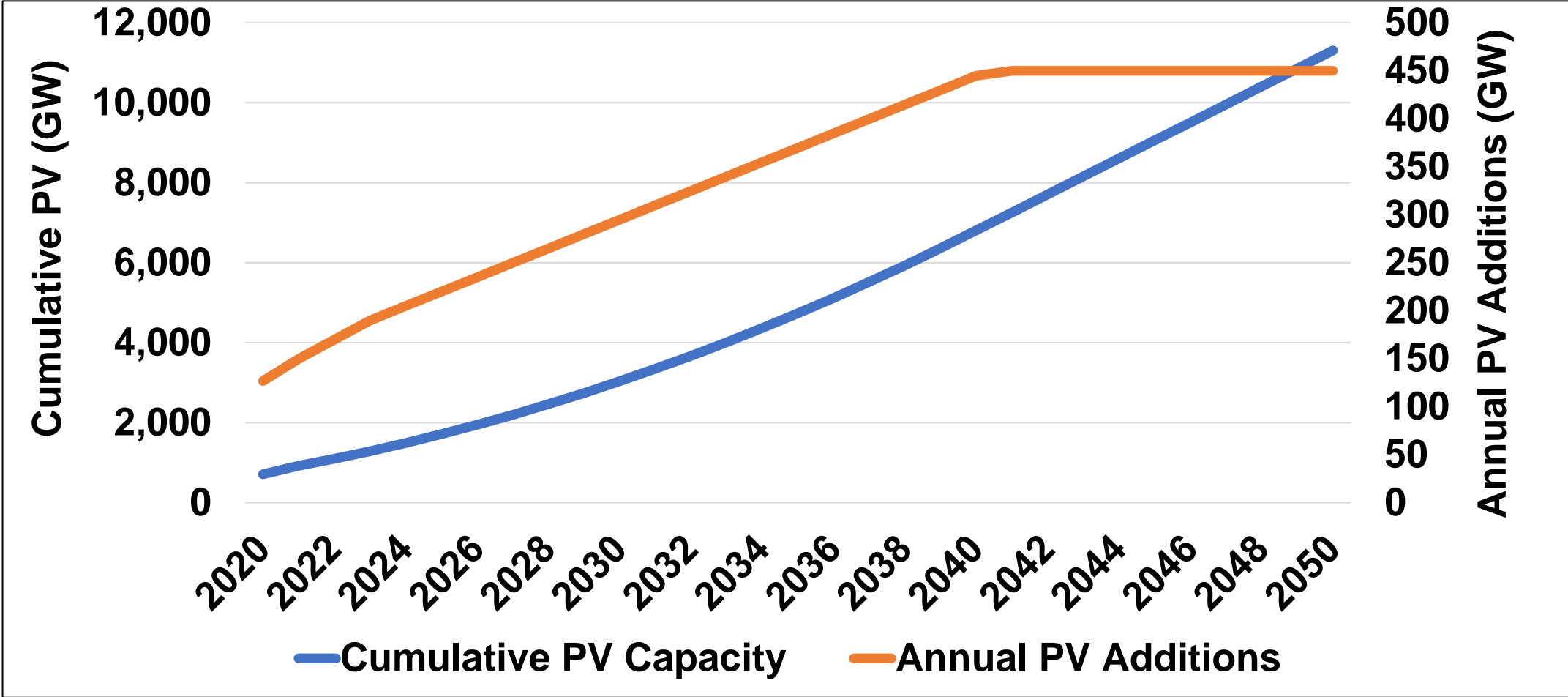
2020 Country Level Cumulative Solar and Wind Capacity



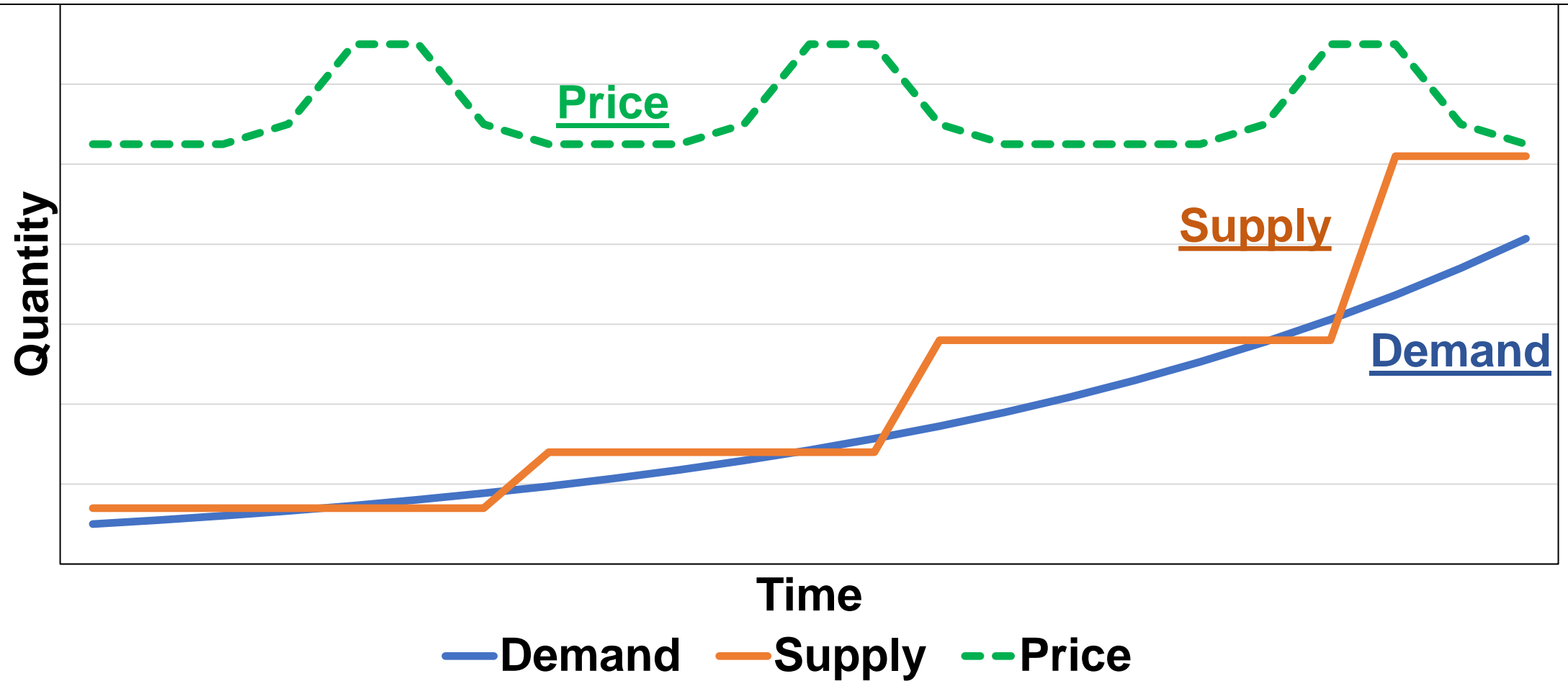
Polysilicon Production and si-PV Module Production 2020 – 2024 Forward



ASAP's World PV Forecast through 2050



Polysilicon Economic Cycles Supply, Demand and Price

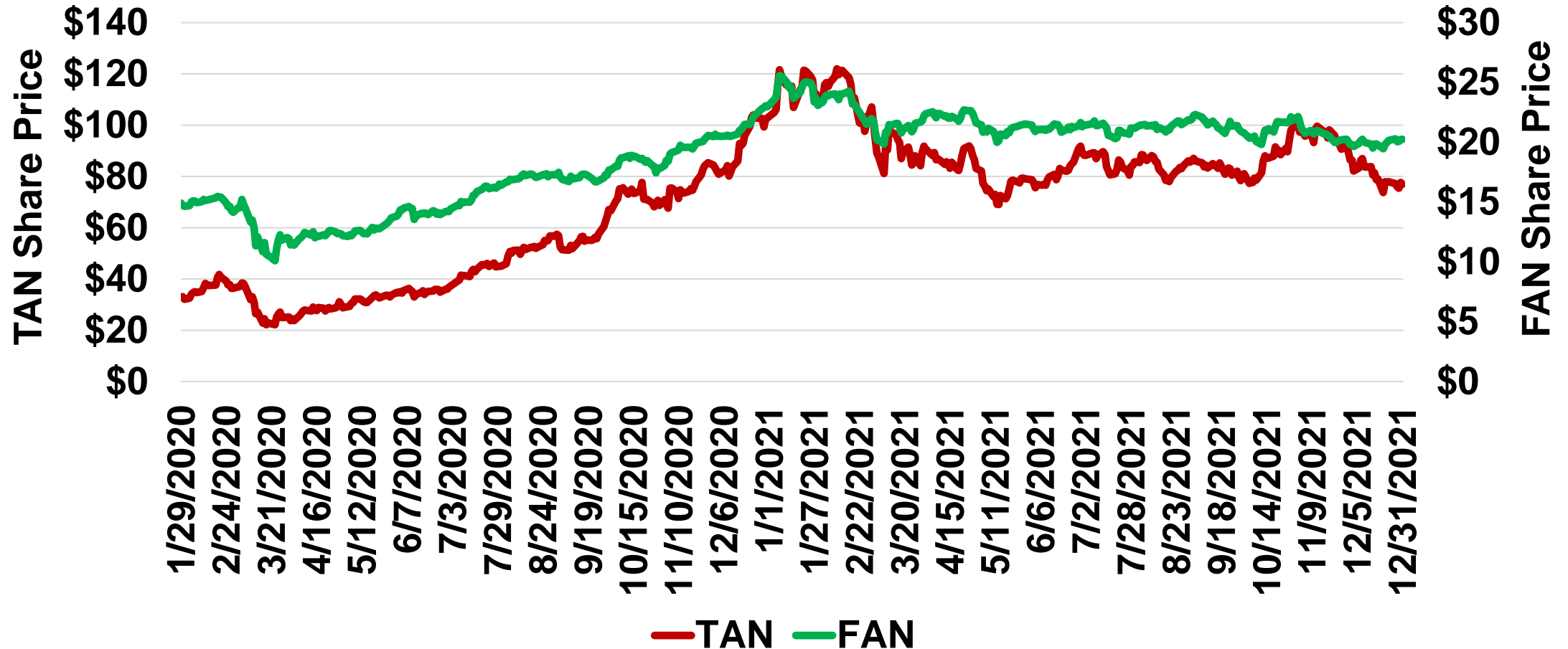




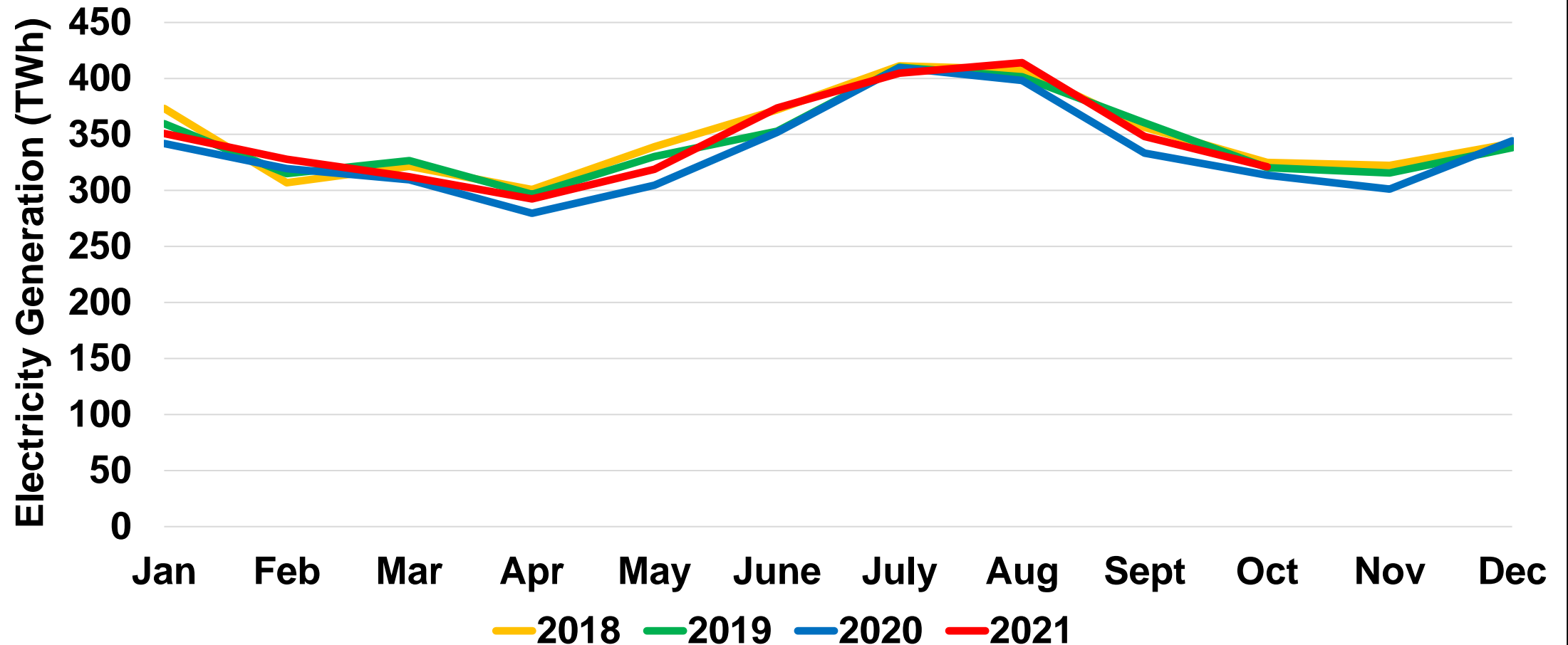
U.S. Electricity Market Overview

TAN and FAN Stock Prices
Monthly Electricity Supply and Demand
Electricity and Energy CO₂ Emissions

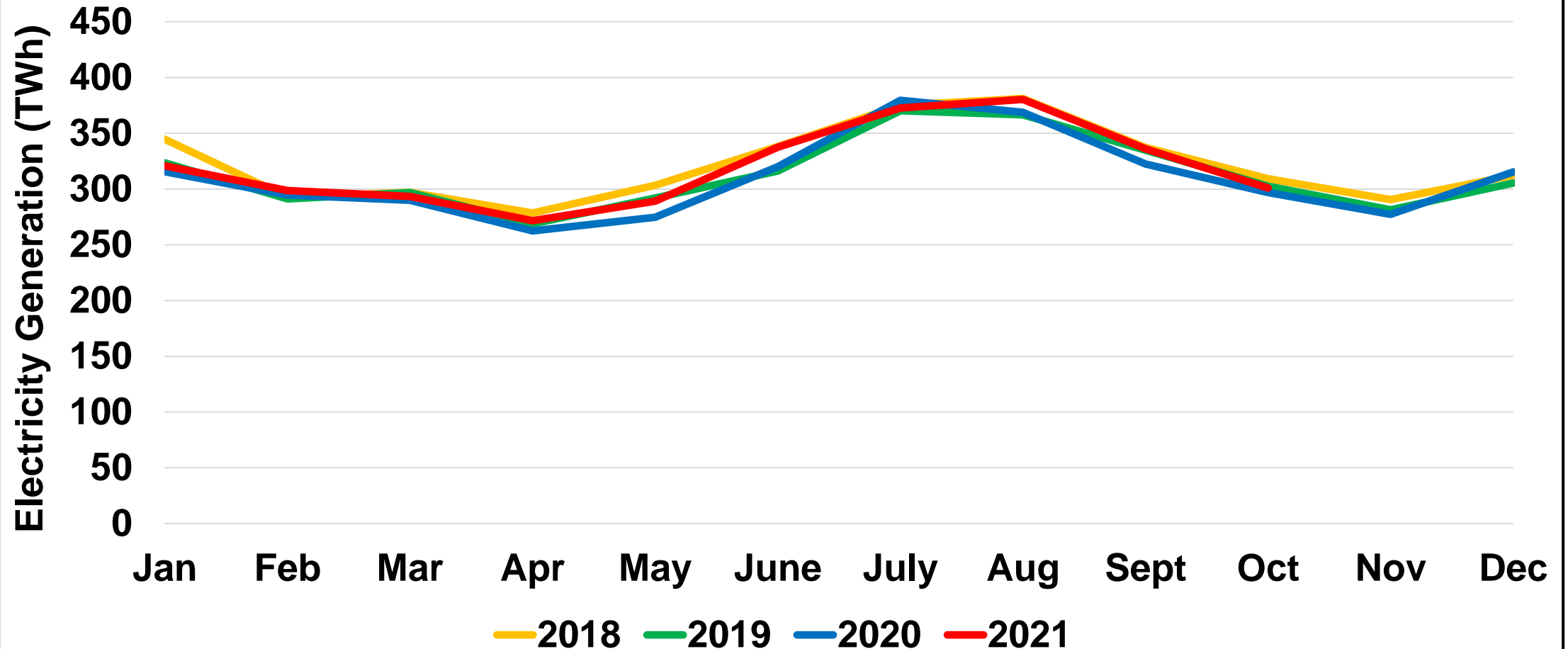
TAN (Solar) and FAN (Wind) ETF Share Prices (Adjusted Close Prices through December 31, 2021)



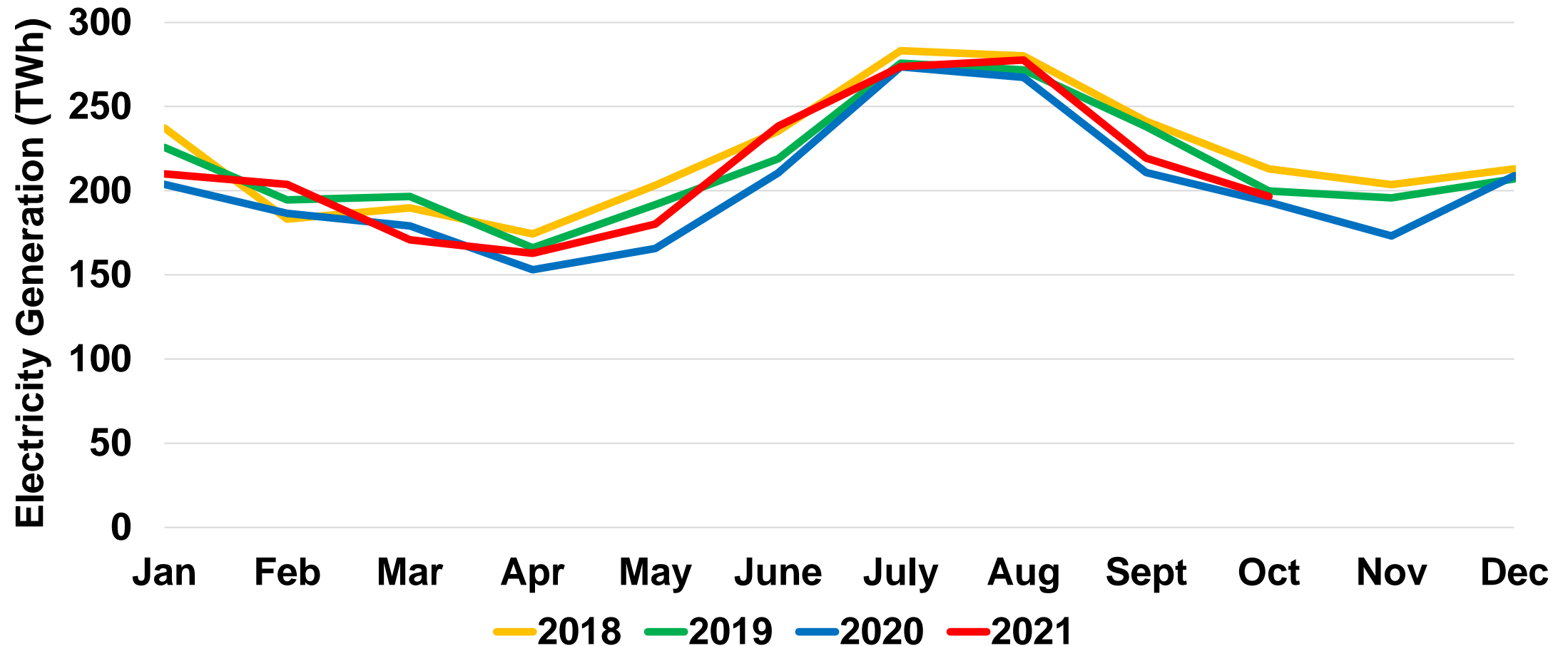
U.S. Total Electricity Generation Year-on-Year (through October 2021)



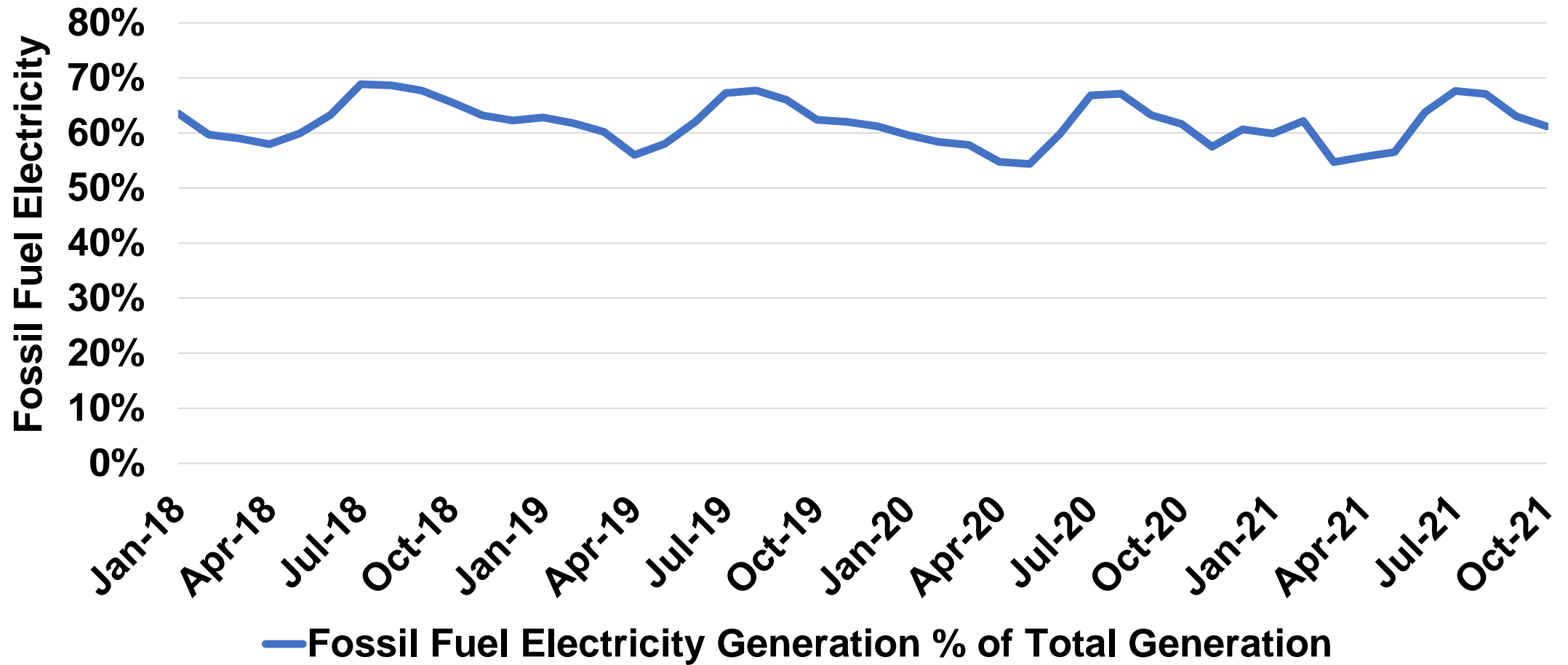
U.S. Total Electricity Demand (Retail Sales) Year-on-Year (through October 2021)



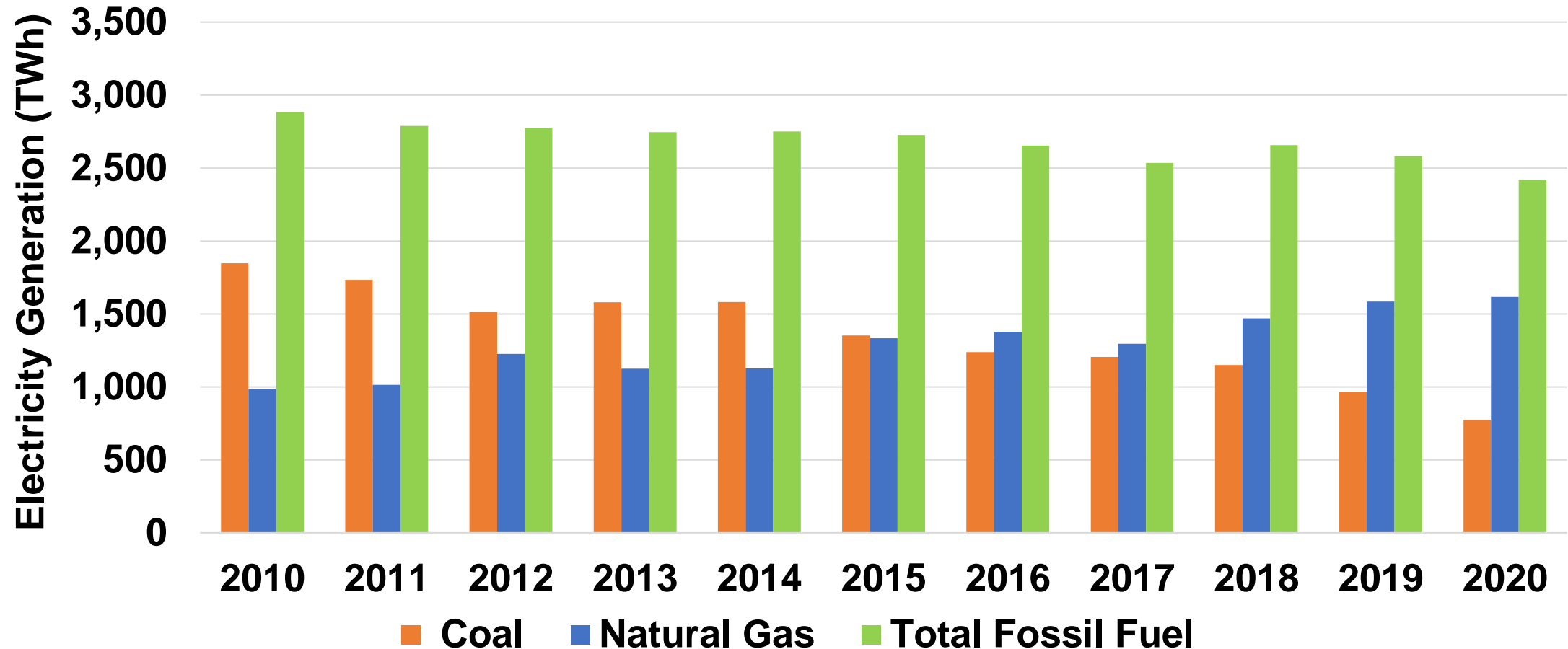
U.S. Fossil Fuel Electricity Generation Year-on-Year (through October 2021)



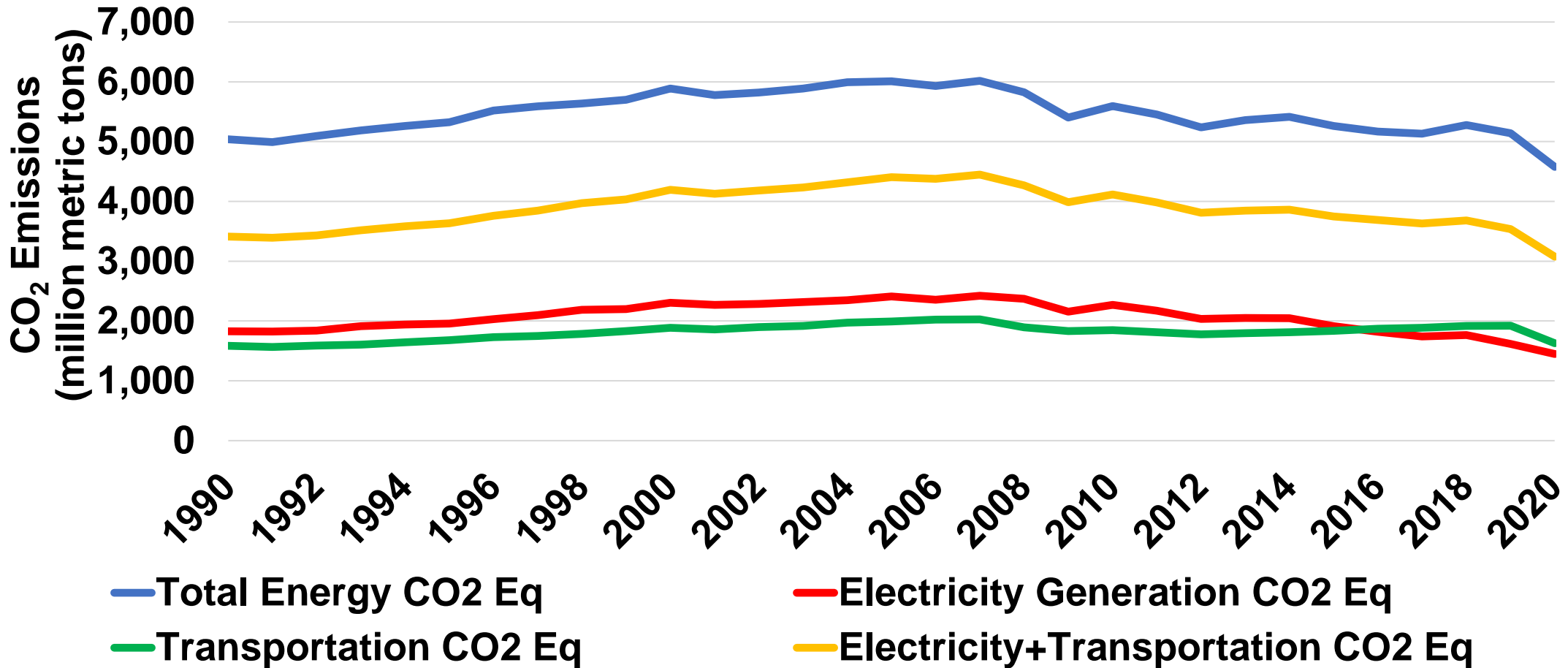
U.S. Fossil Fuel Electricity Generation % of Generation through October 2021



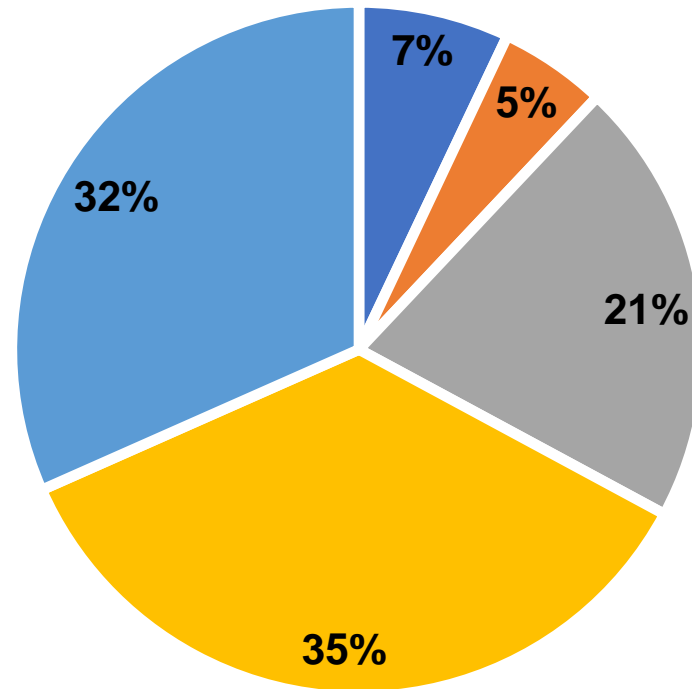
U.S. Annual Fossil Fuel Electricity Generation (2010-2020)



U.S. Fossil Fuel CO₂ Equivalent Emissions (1990-2020)



U.S. Energy CO₂ Emissions by Sector (2020)



■ Residential ■ Commercial ■ Industrial ■ Transportation ■ Electric Power

ASAP Regional Map

