



ASAP
(American Solar Action Plan)

PV-Wind Monthly Slideshow

May 2021

ASAP

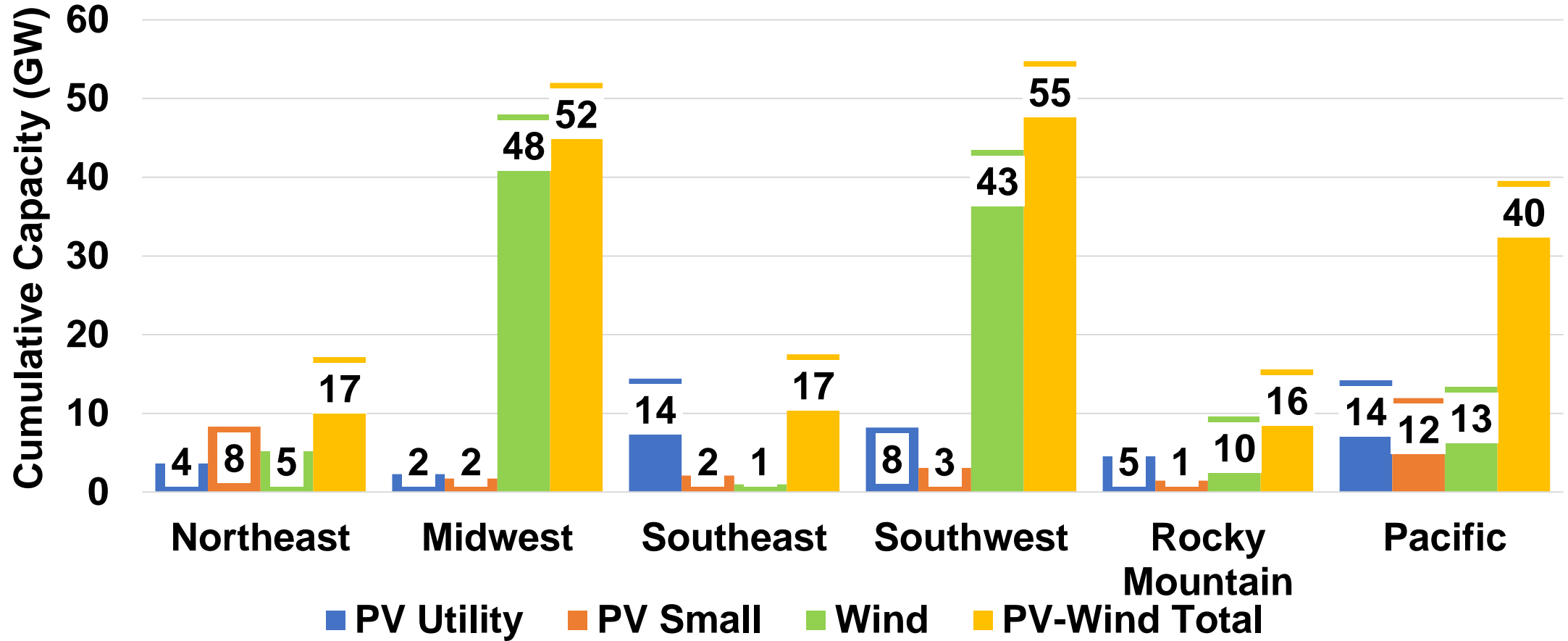
Website: www.solarplan.org

Contact: asap@solarplan.org



PV and Wind Capacity and Capacity Growth

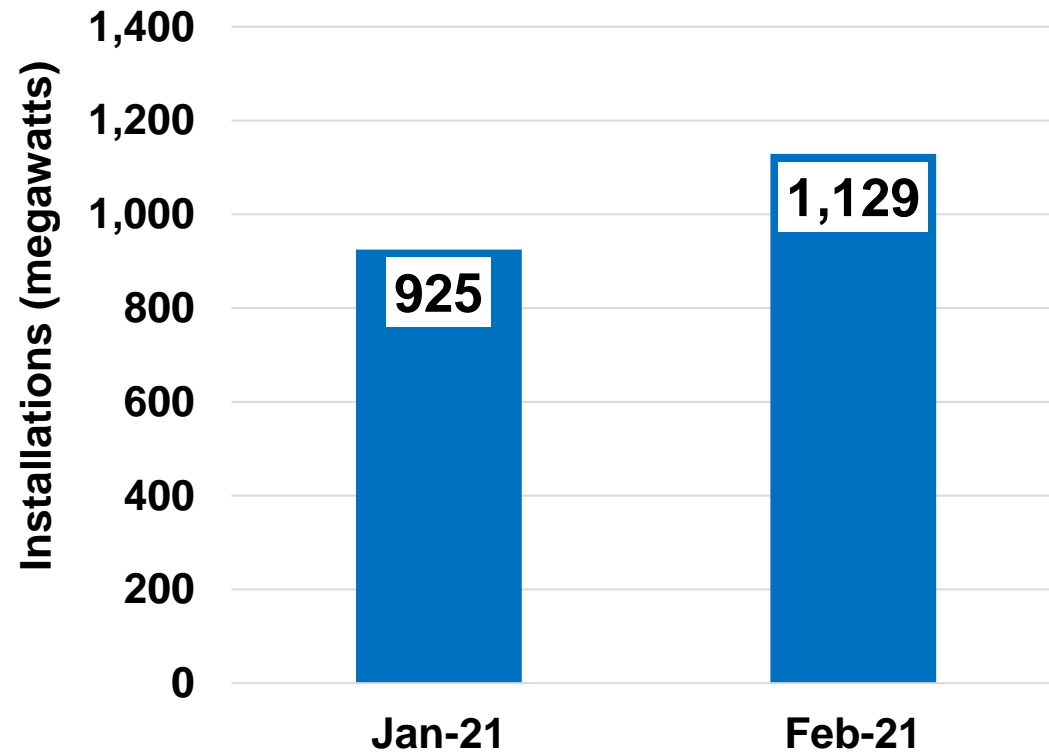
PV and Wind Cumulative Capacity by Region Through February 2021



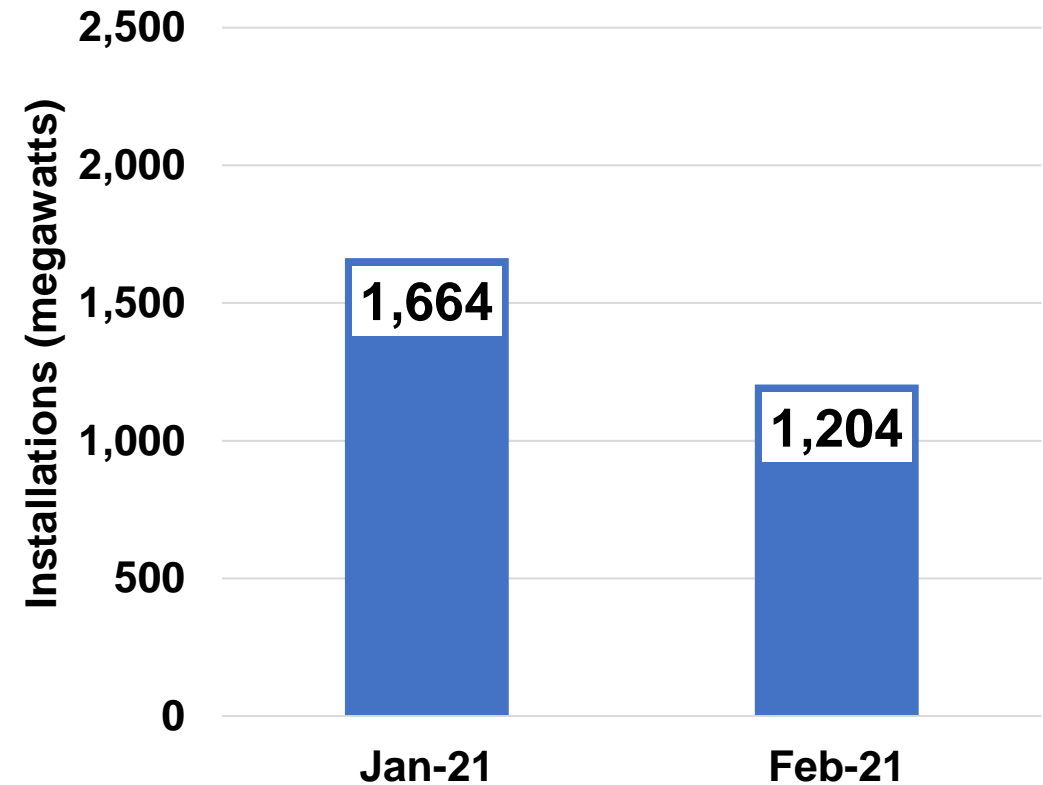
2021 – Net Monthly PV and Wind Installations (New Installations minus Removed from Service)



Monthly Total PV Installations



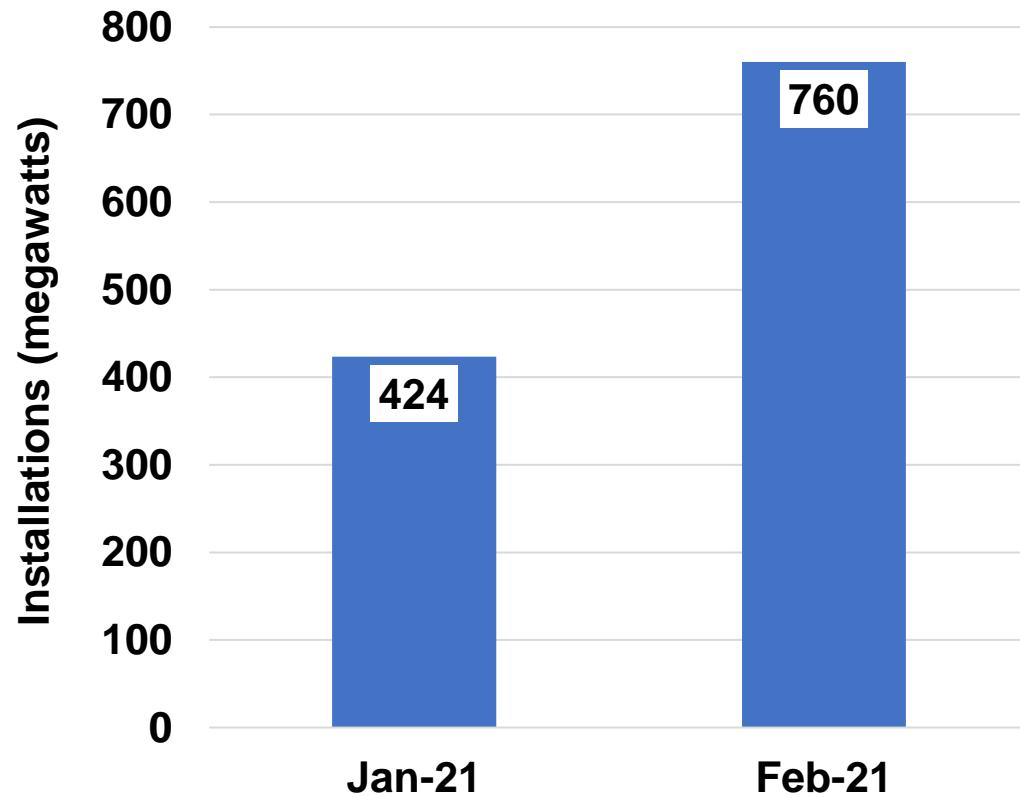
Monthly Wind Installations



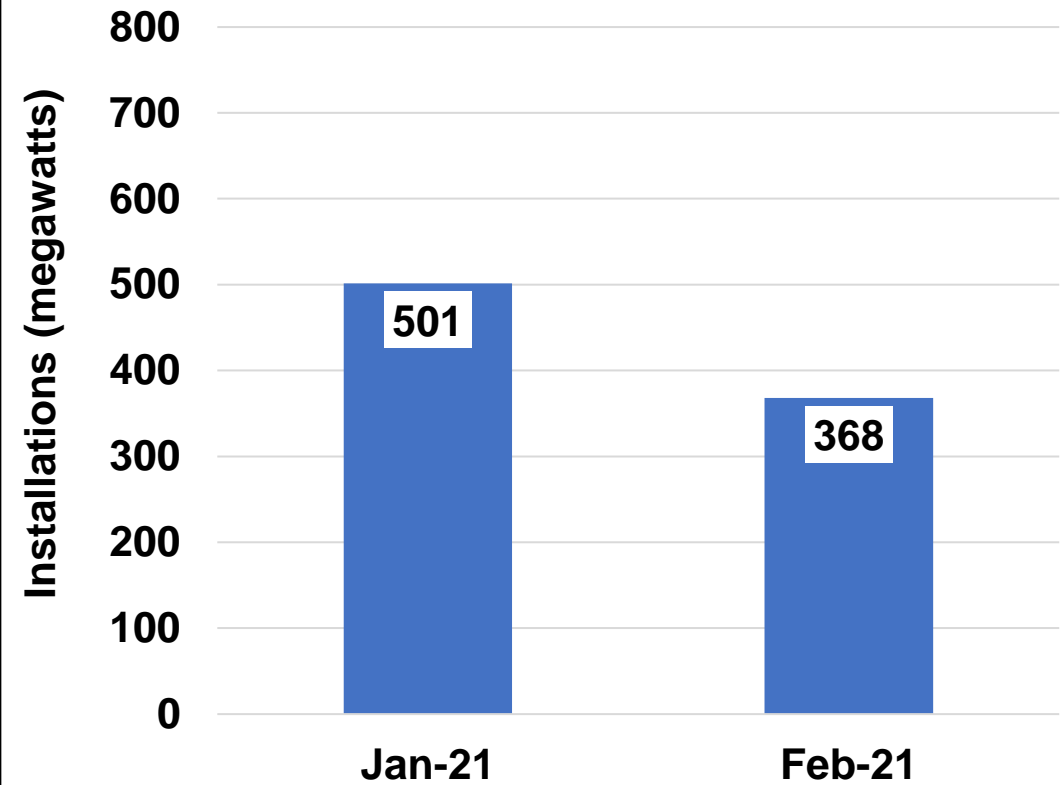
2021 – Net Monthly PV Installations (New Installations minus Removed from Service)



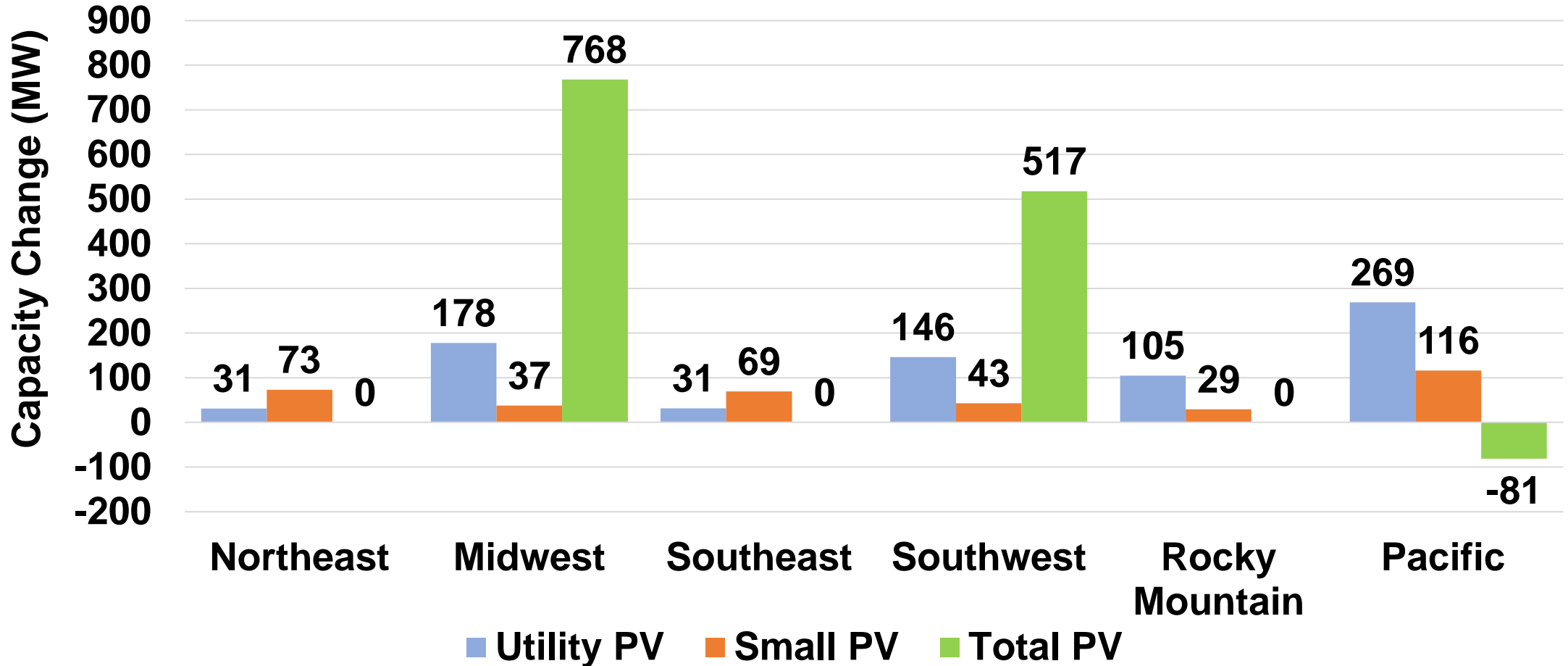
Utility PV Installations



Small PV Installations

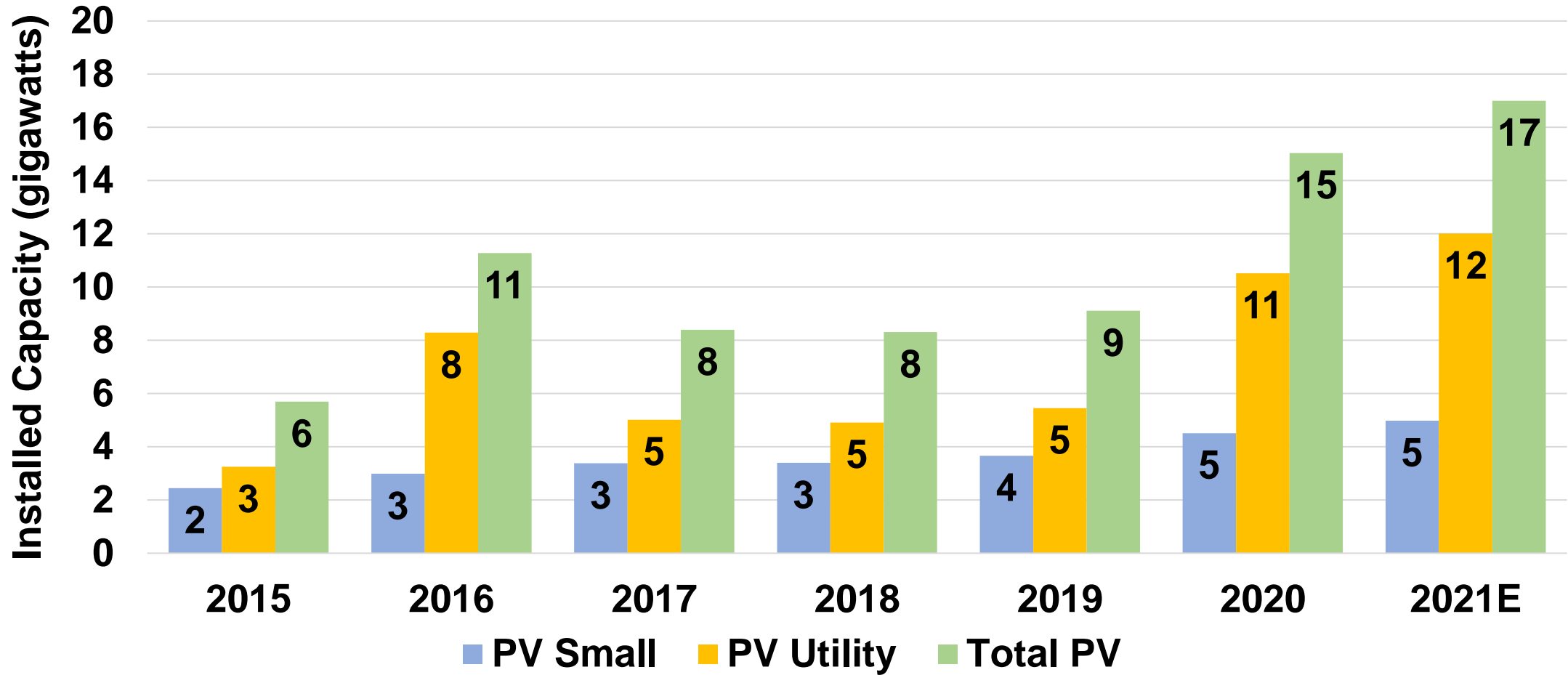


Regional PV - Net Capacity Additions February 2021



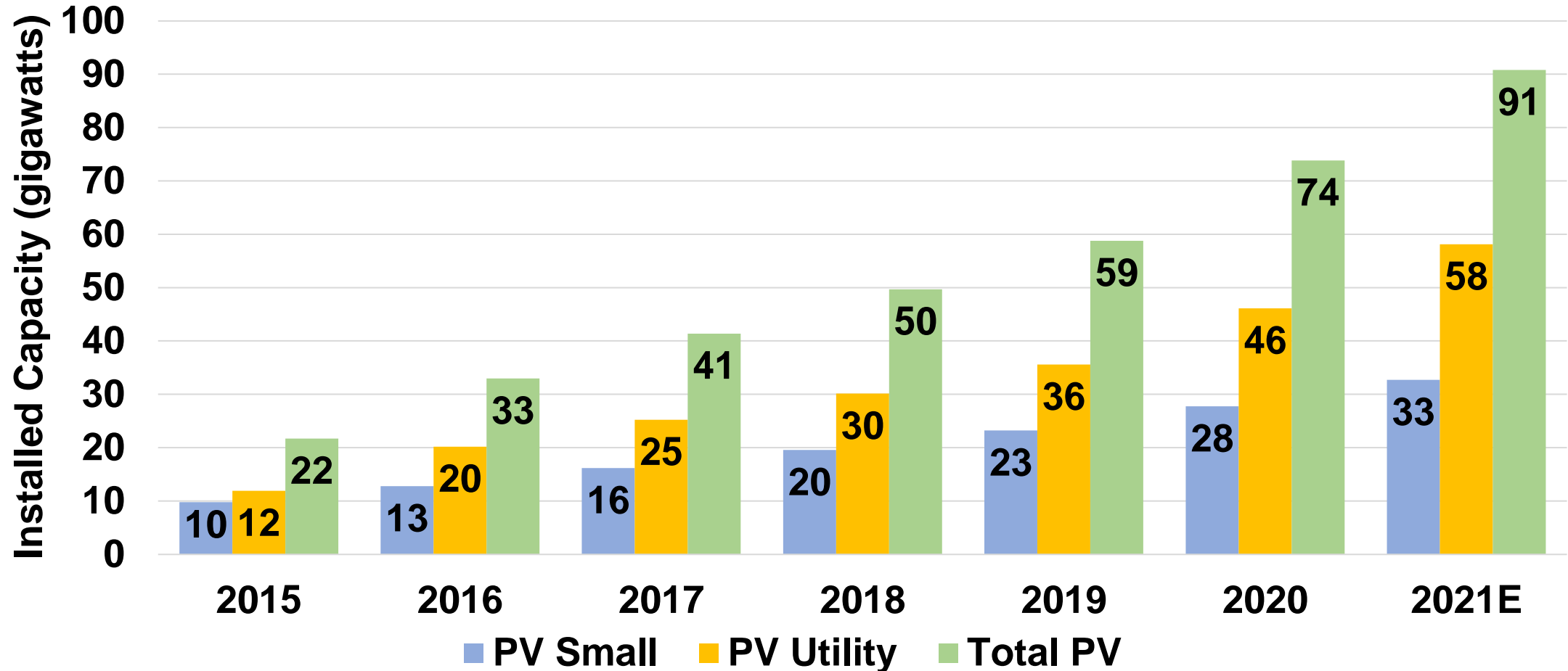
Annual Growth in PV Installed Capacity – 2021 Forecast

Small PV, Utility PV and Total PV

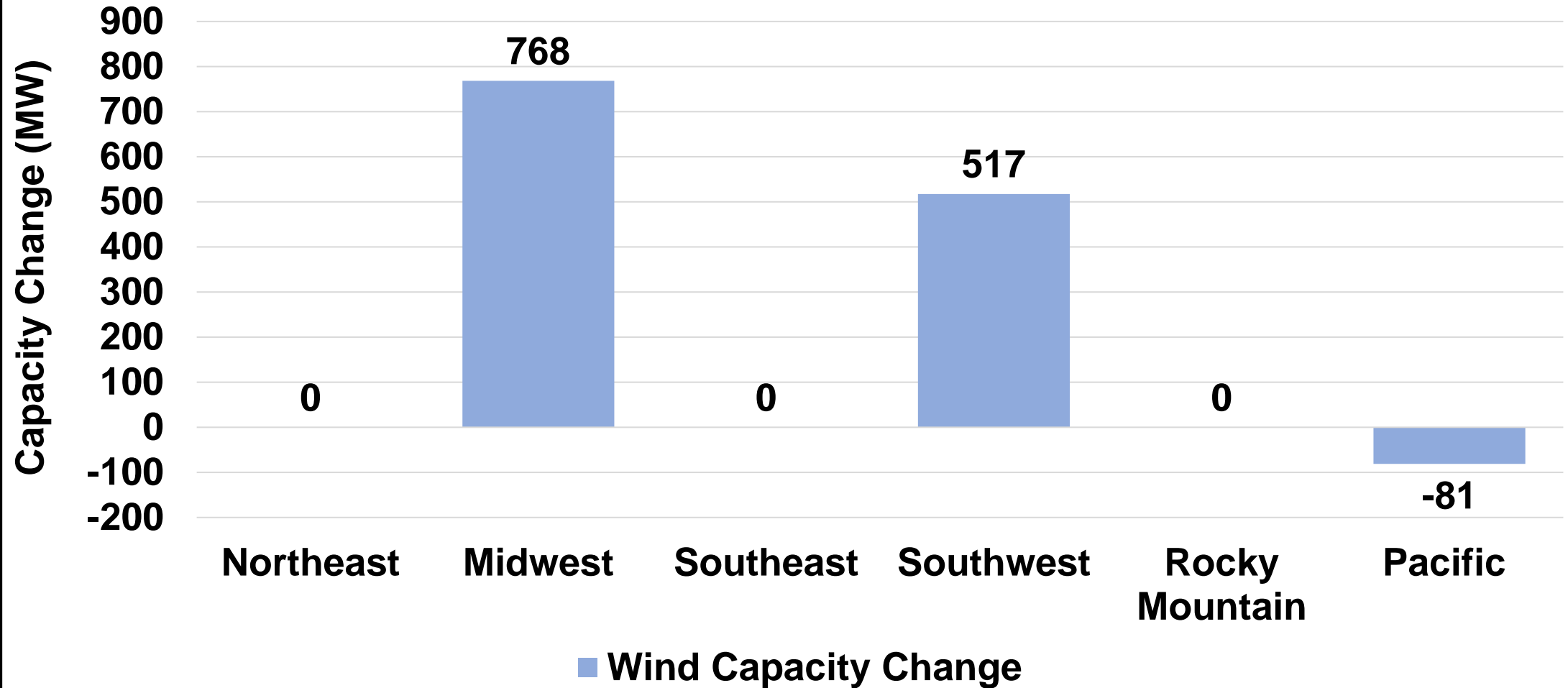


PV Cumulative Installed Capacity – 2021 Forecast

Small PV, Utility PV and Total PV

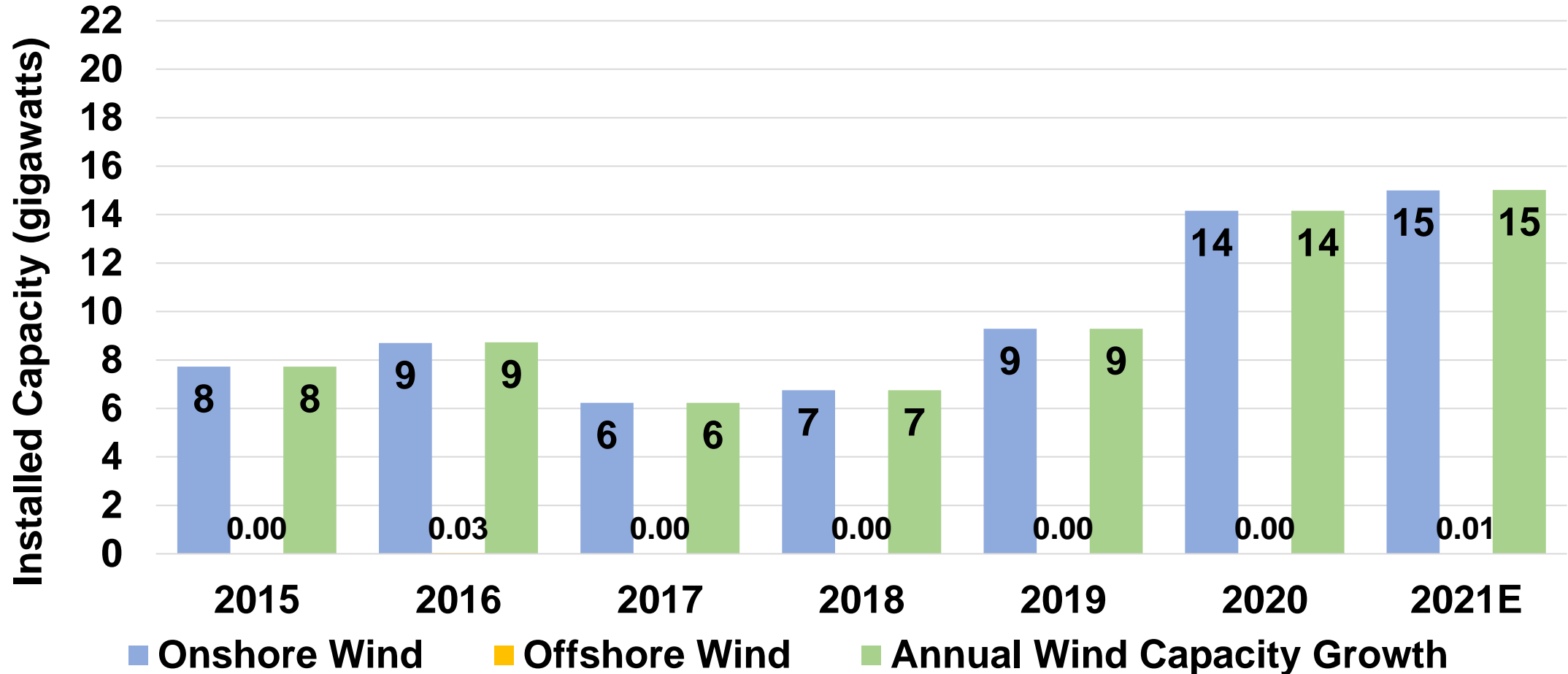


Regional Wind – Net Capacity Additions February 2021



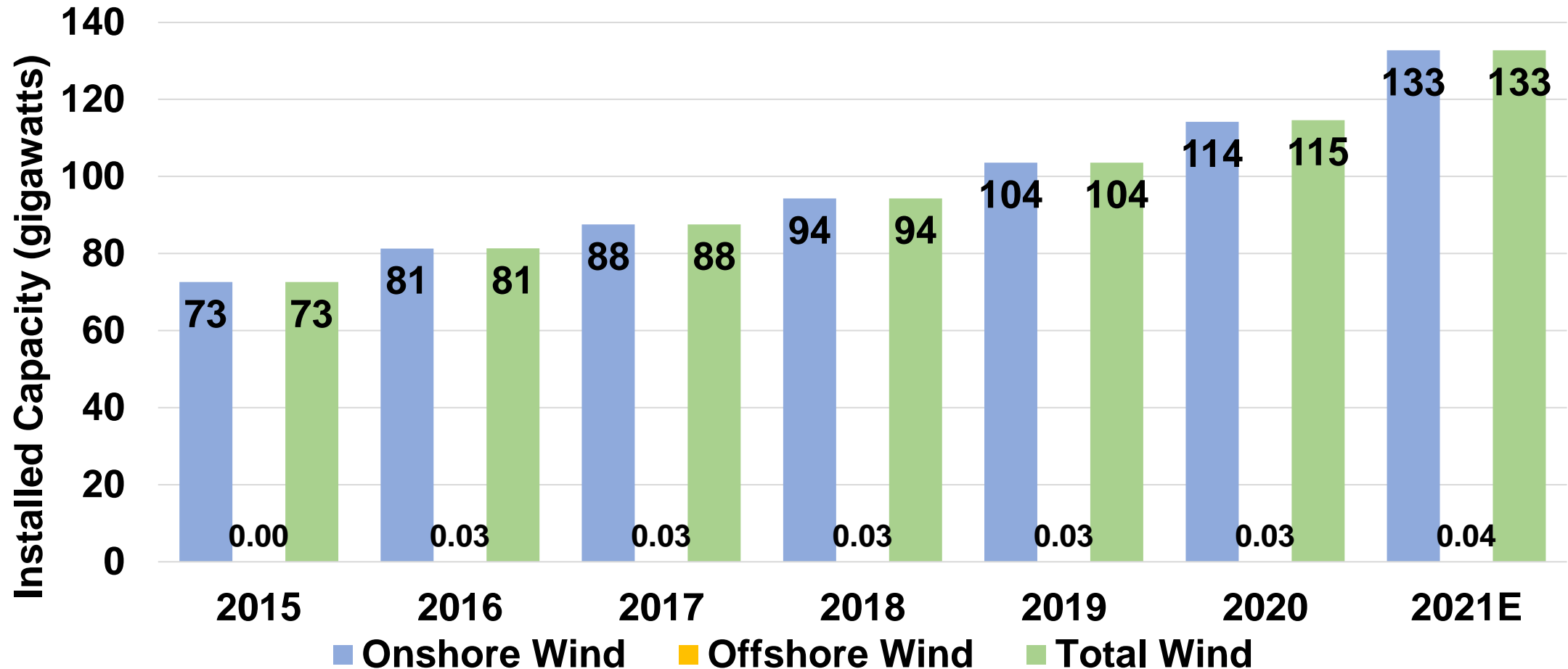
Annual Growth – Wind Installed Capacity – 2021 Forecast

Wind Onshore, Wind Offshore and Total Wind



Wind Cumulative Installed Capacity – 2021 Forecast

Wind Onshore, Wind Offshore and Total Wind

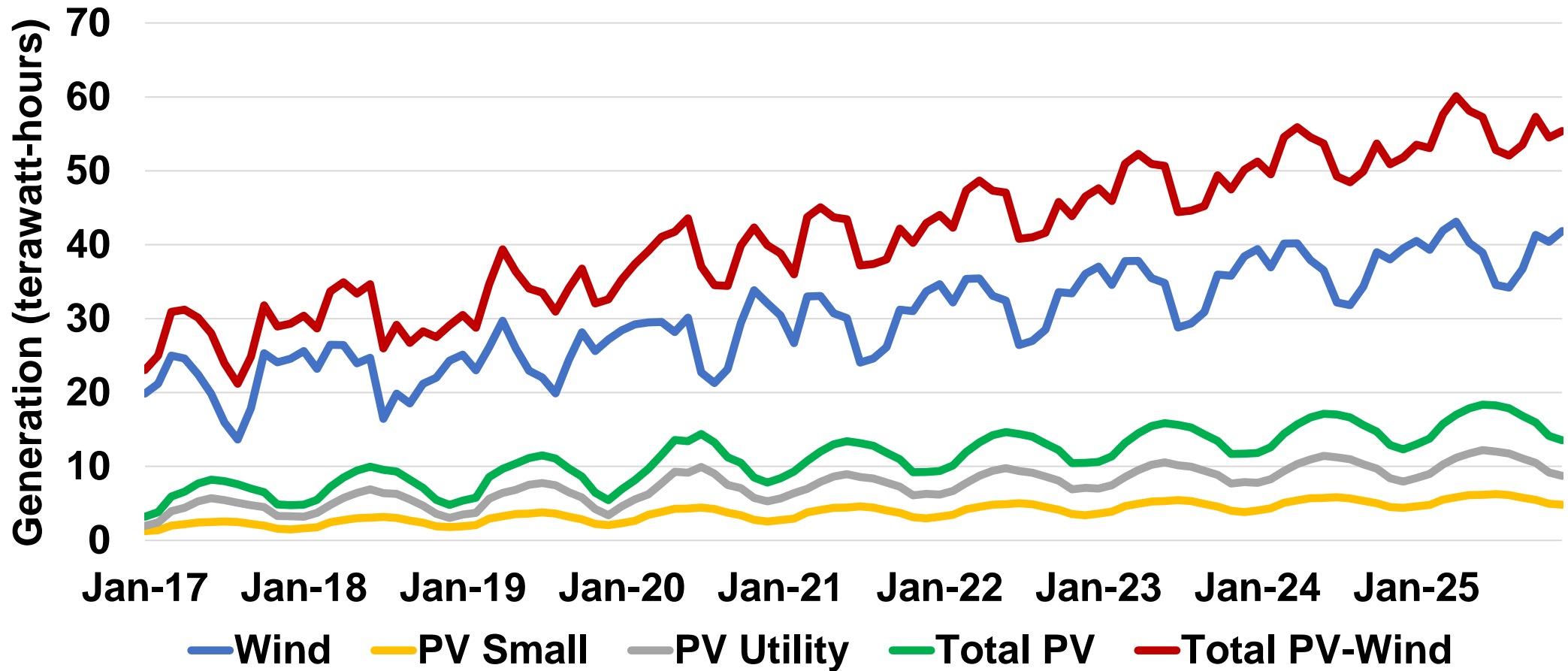




U.S. PV and Wind Electricity Supply

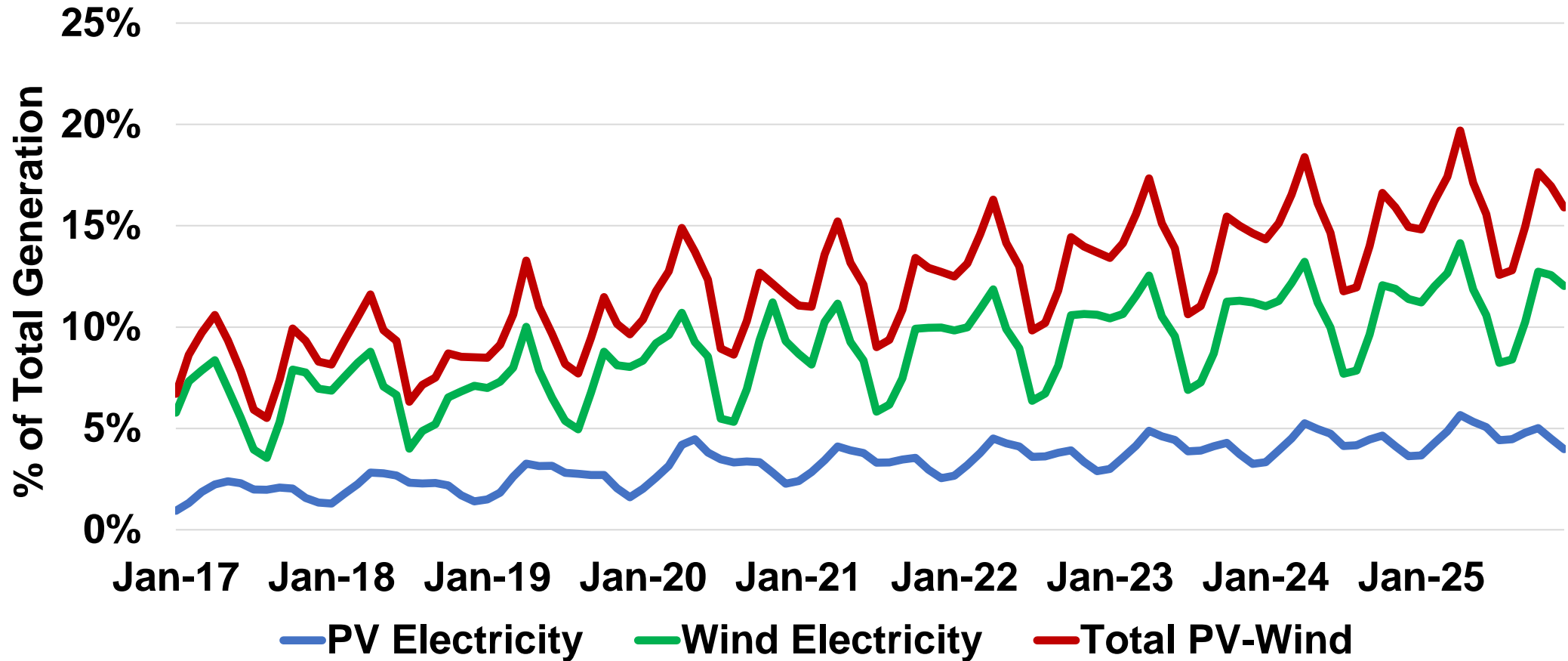
U.S. PV & Wind Electricity Generation

Actual through February 2021; Forecast through Dec. 2025



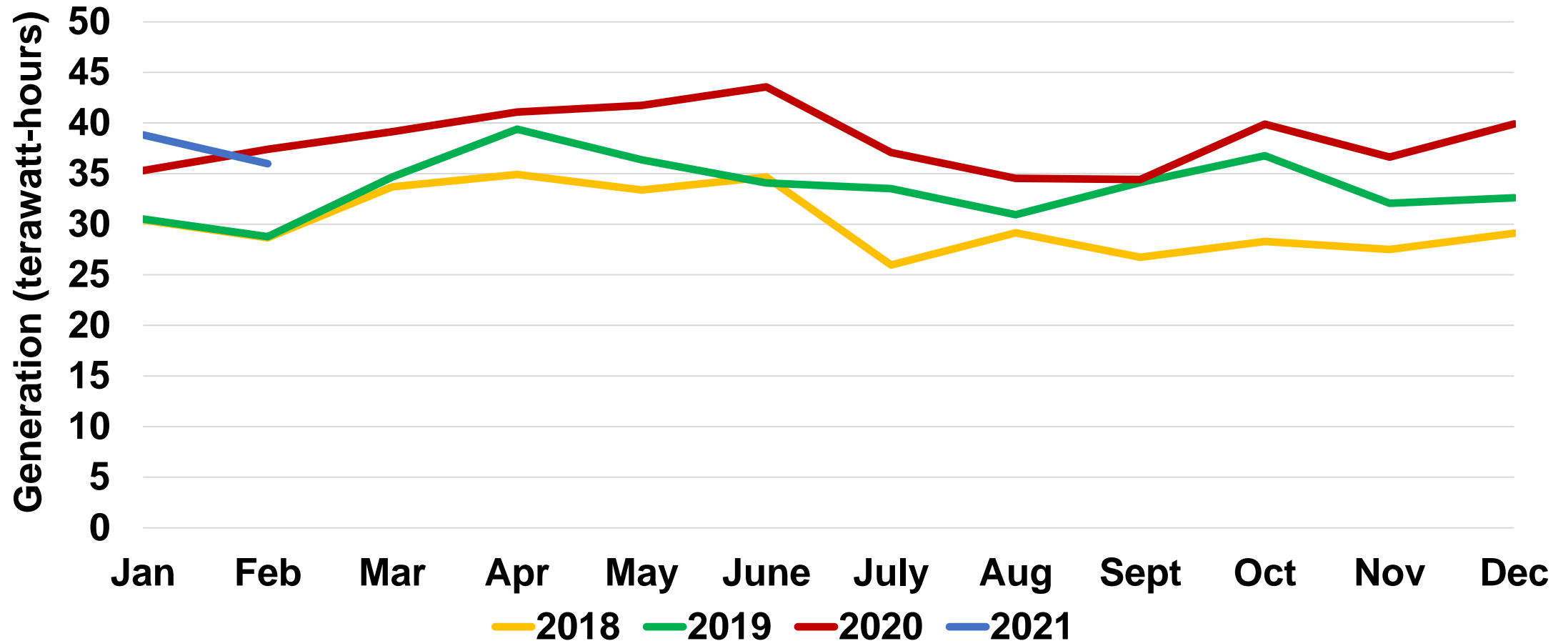
Note: PV Small is less than 1.0 MW; PV Utility is 1.0 MW and greater

U.S. PV & Wind Electricity as % of Total Generation Actual through February 2021; Forecast through Dec. 2025

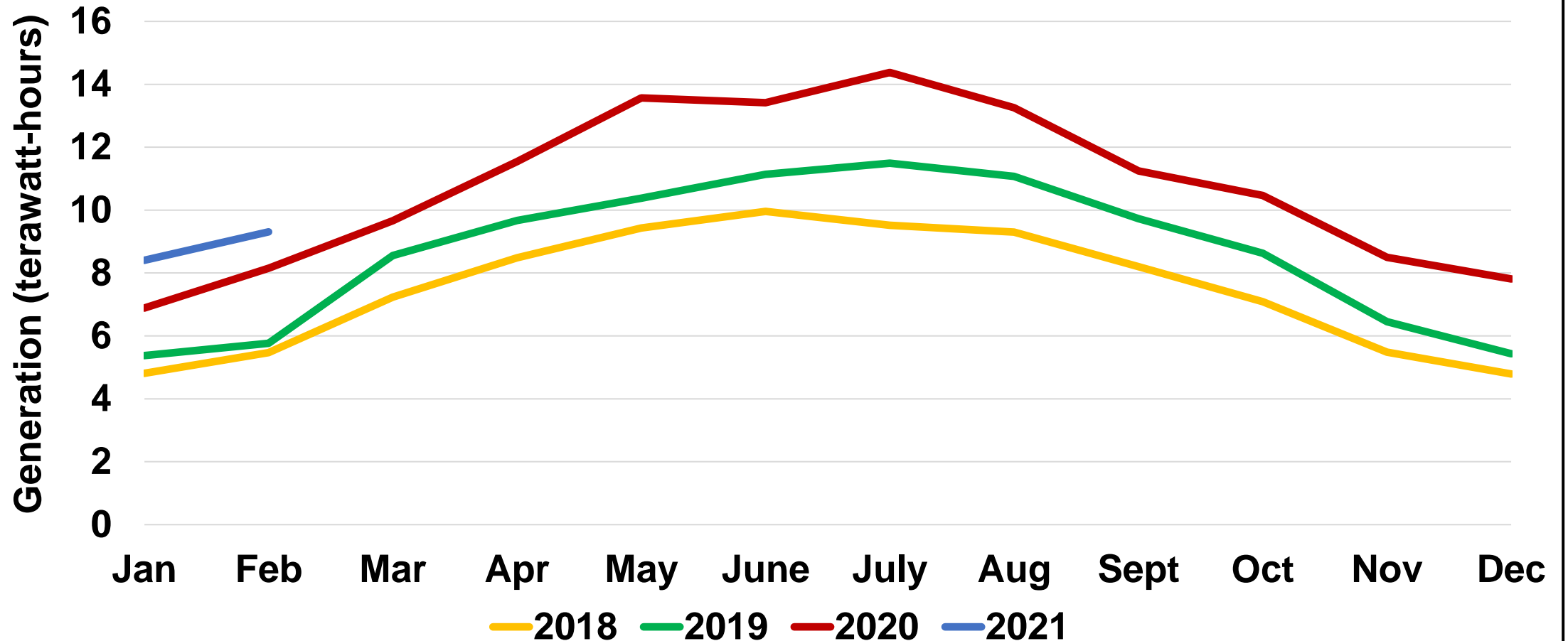


Note: Fossil fuel electricity generation was 60% of total 2020 electricity generation.

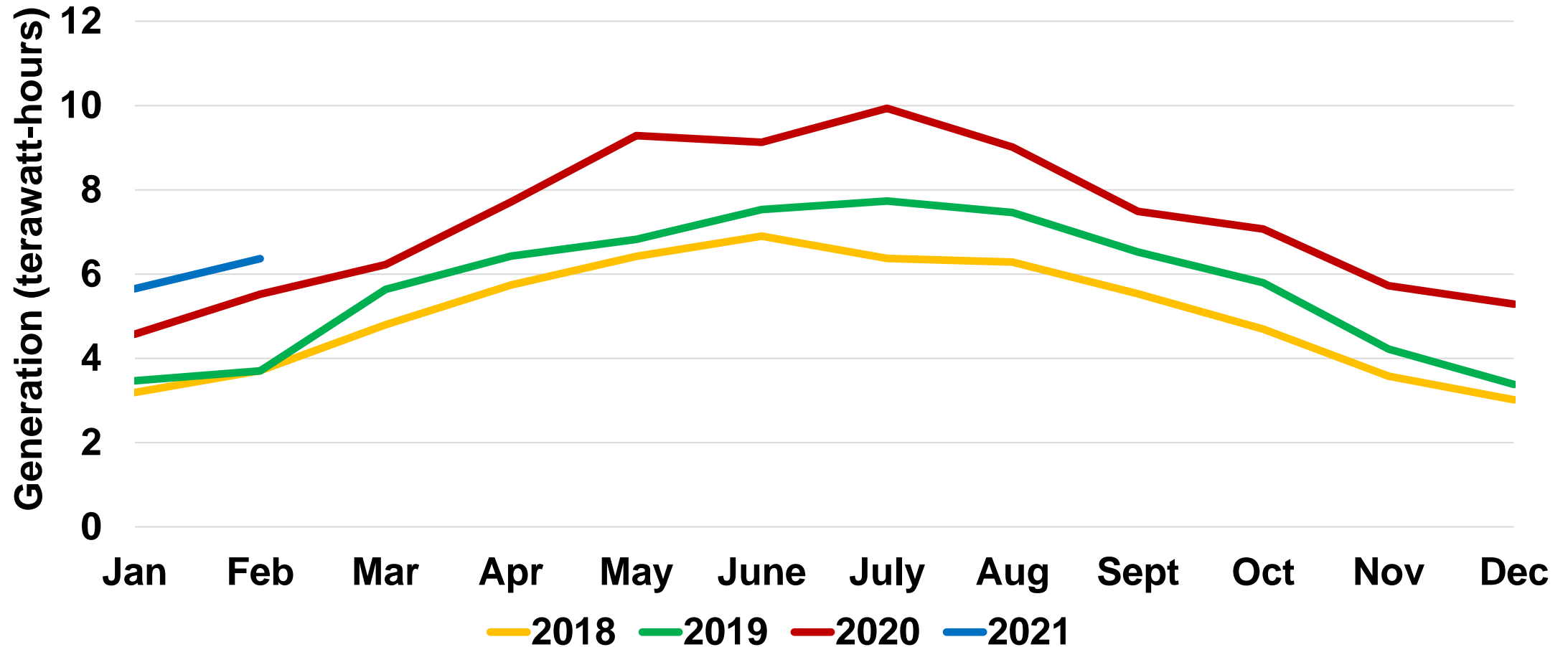
Combined PV and Wind Electricity Generation Year-on-Year (through February 2021)



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

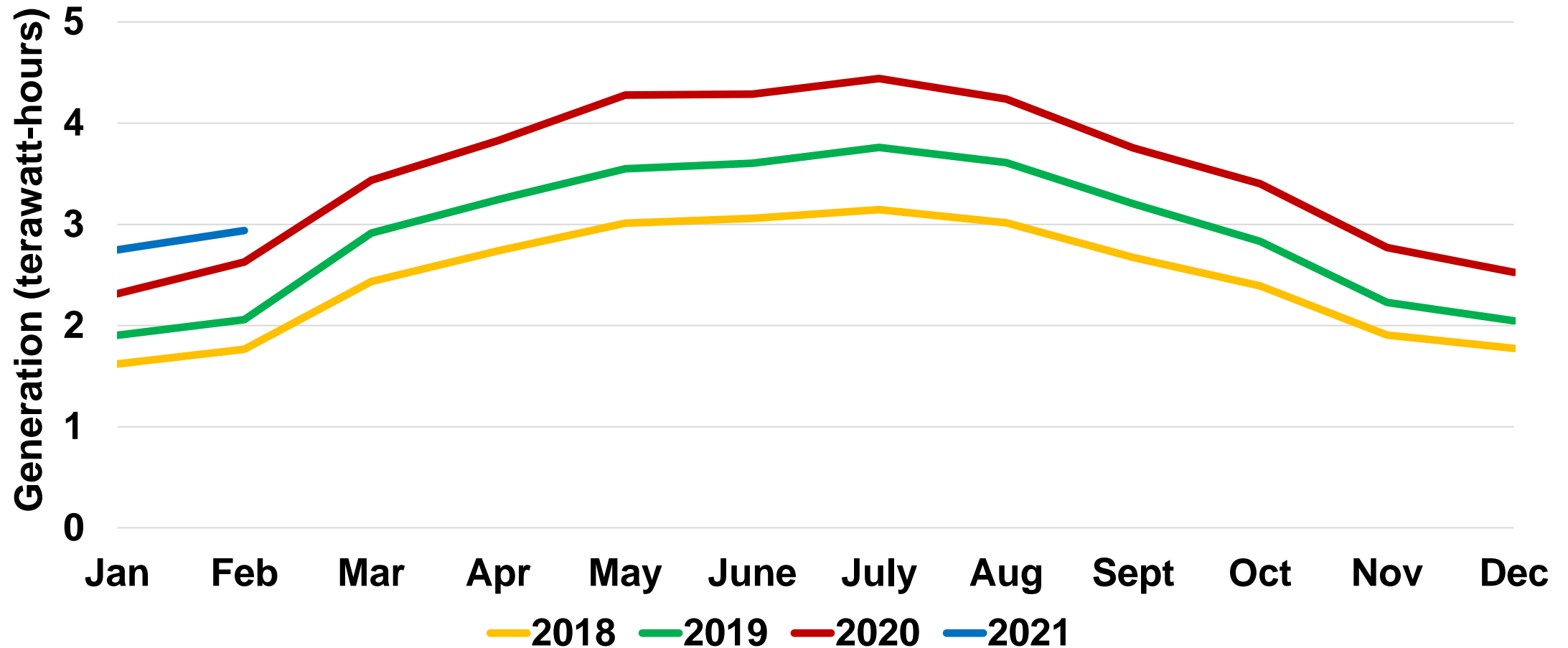


Utility PV Electricity Generation Year-on-Year (through February 2021)



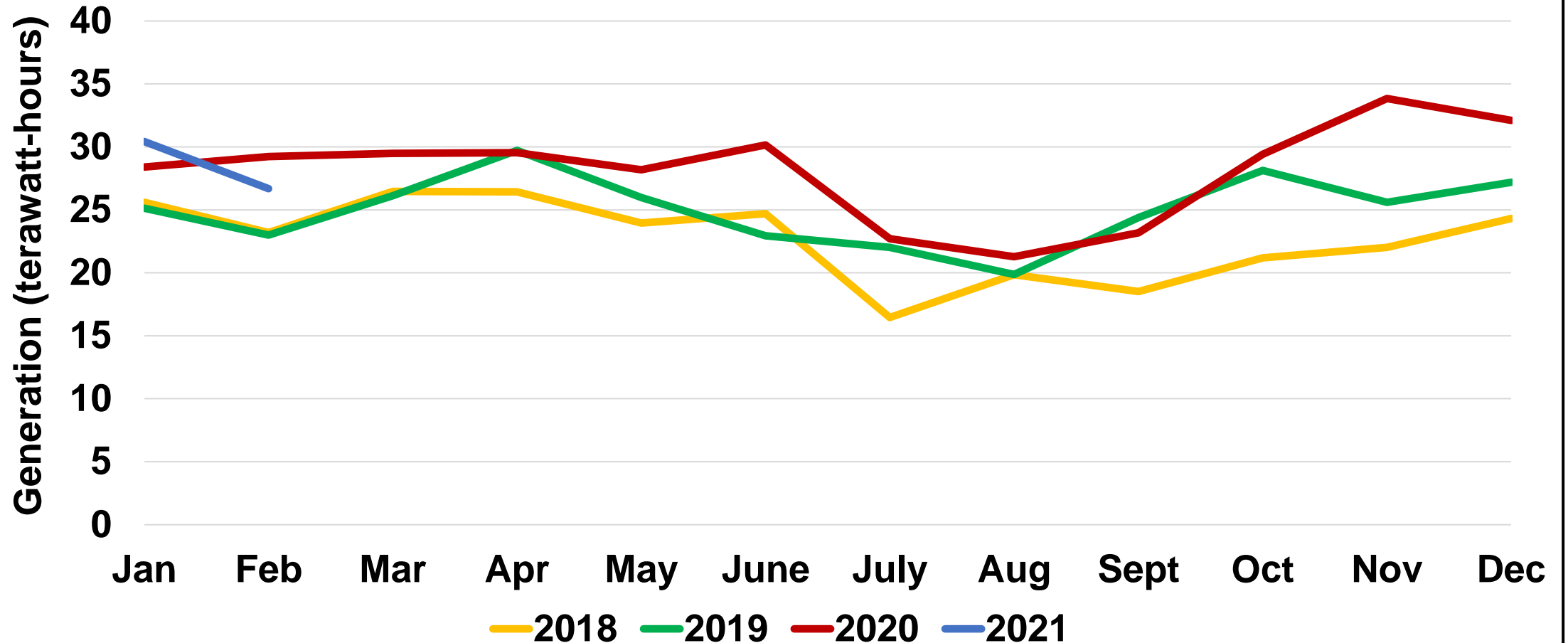
Note: PV Utility is greater than 1.0 MW

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

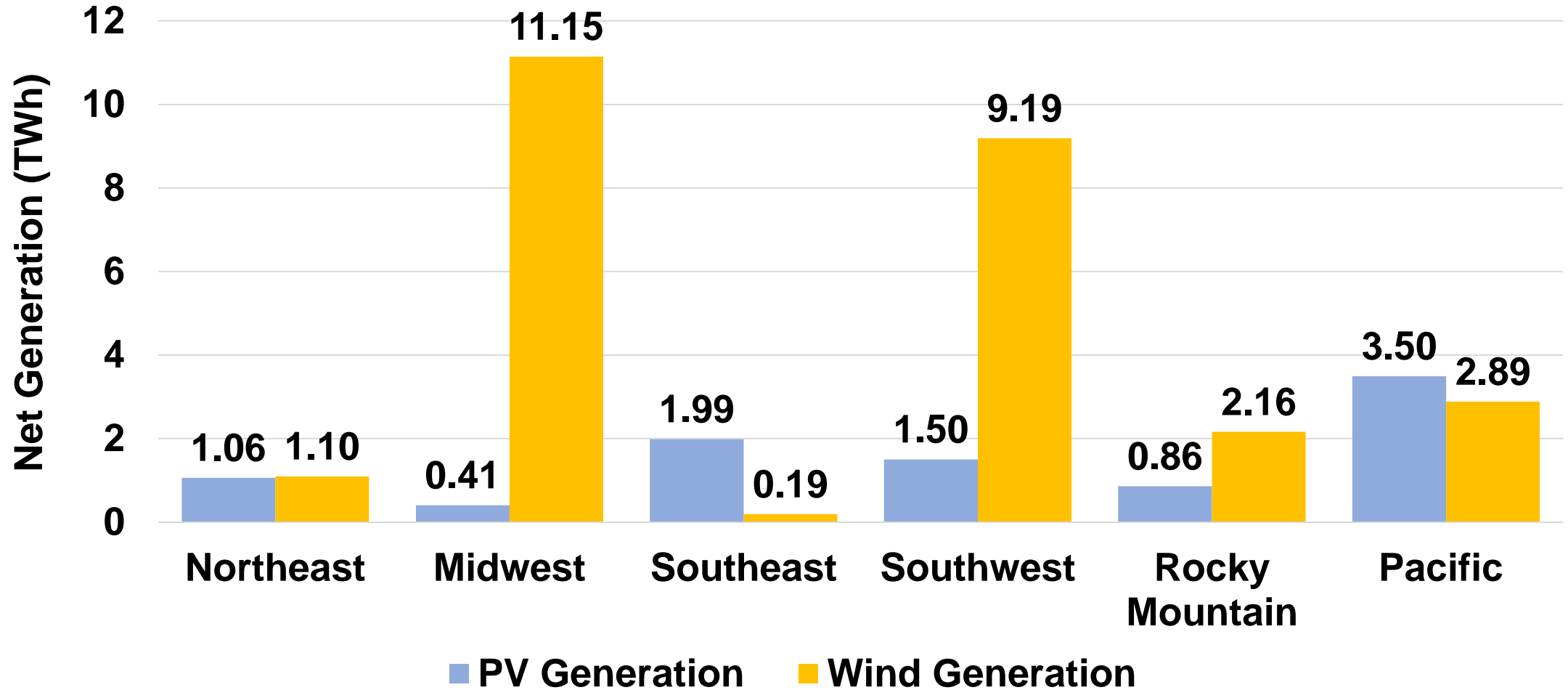


Note: PV Small is less than 1.0 MW

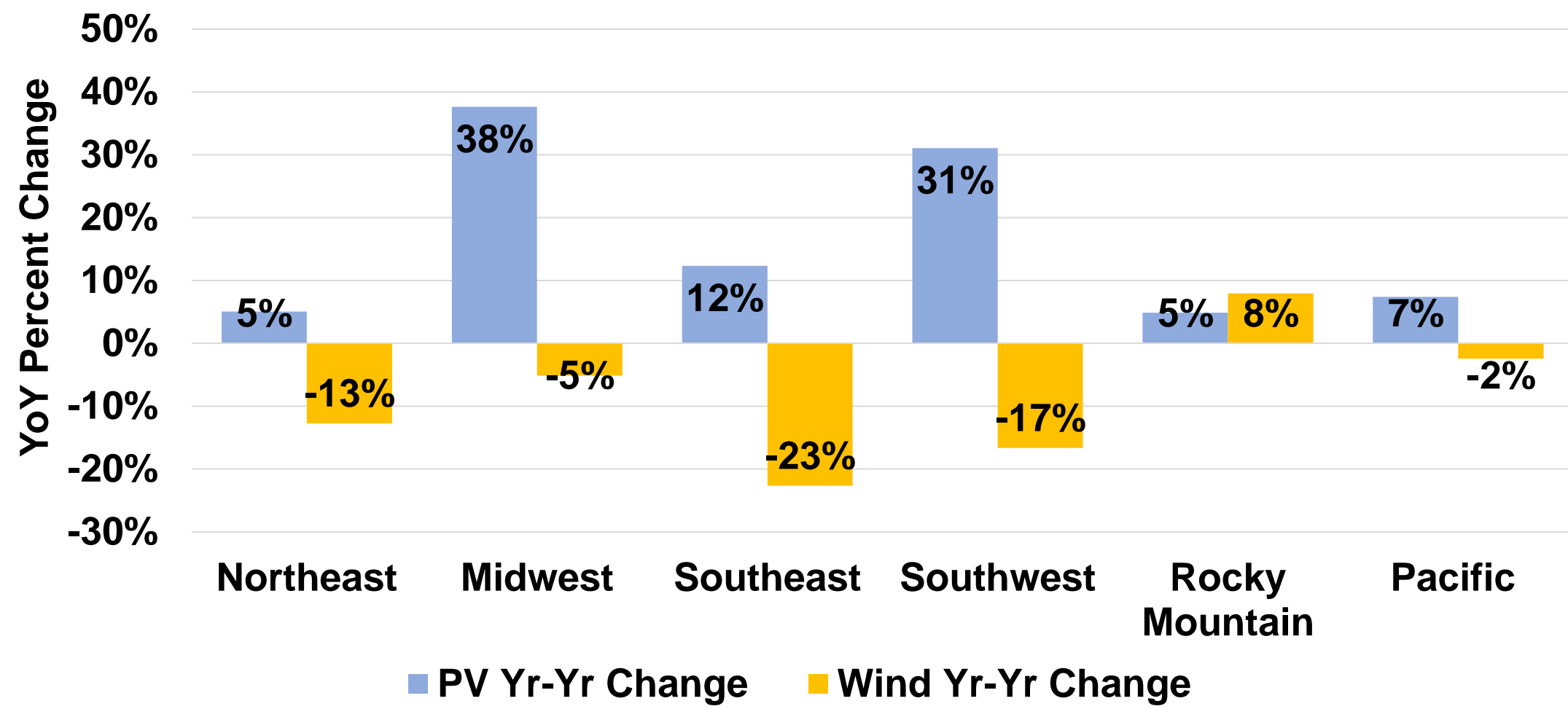
Wind Electricity Generation Year-on-Year (through February 2021)



Regional PV & Wind Electricity Generation February 2021



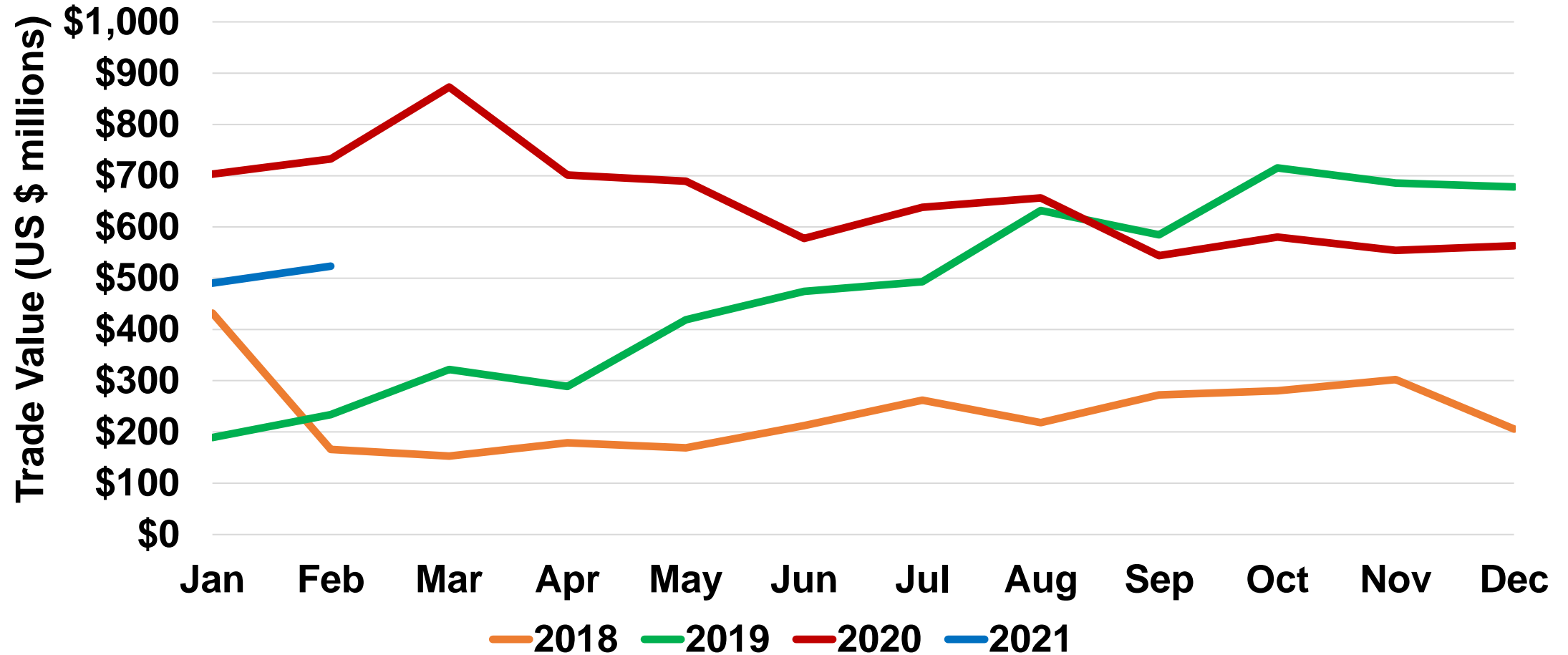
Regional PV & Wind Electricity Generation Year-on-Year Change (February 2020 – February 2021)



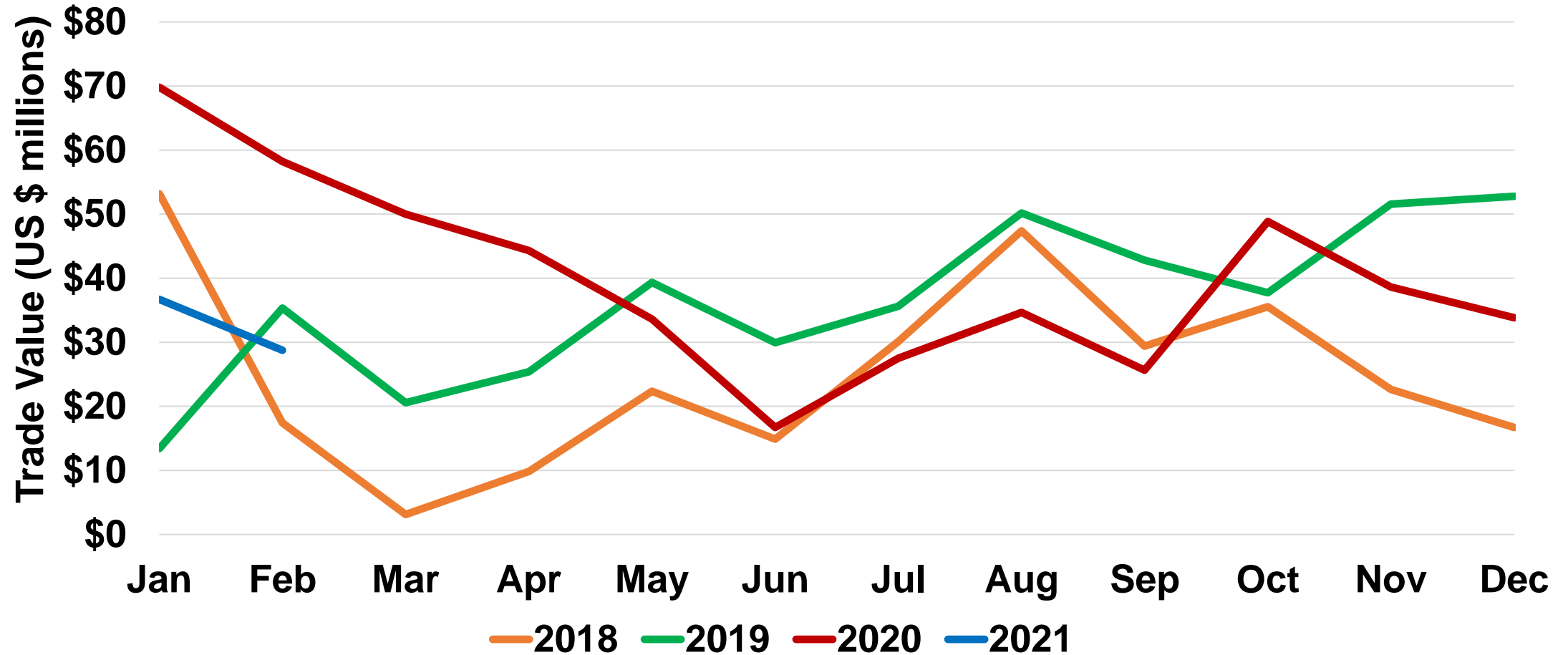


U.S. PV Trade (Cells and Panels)

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



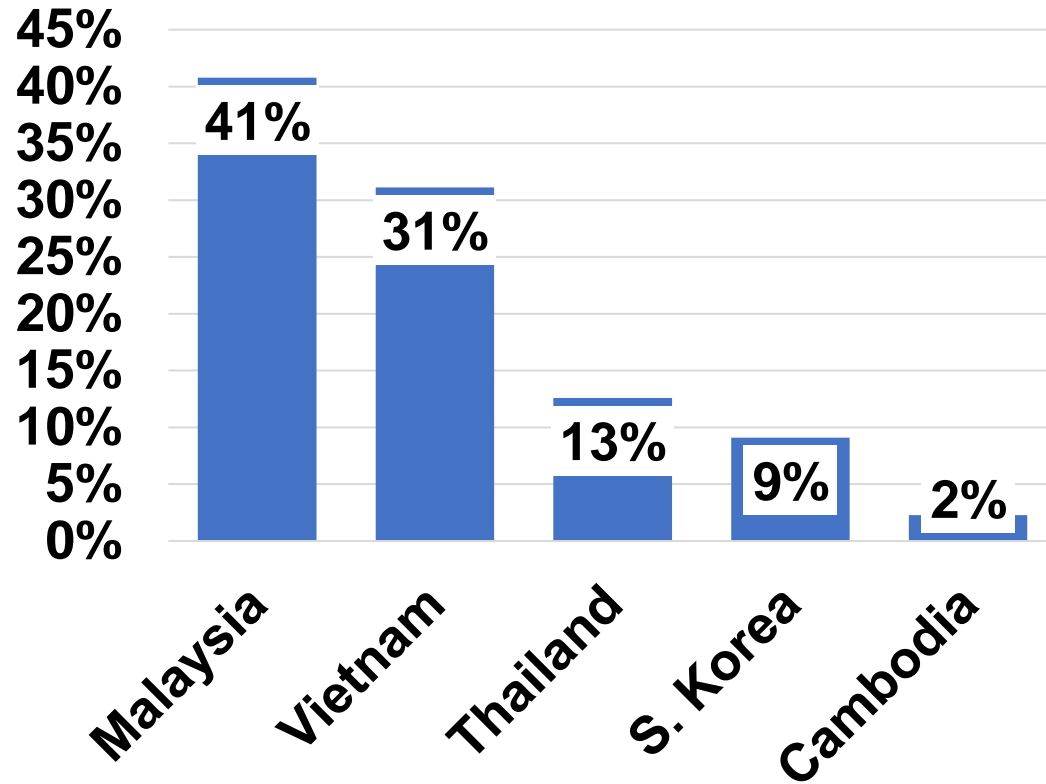
U.S. Year-on-Year PV Cell Imports Year-on-Year (through February 2021)



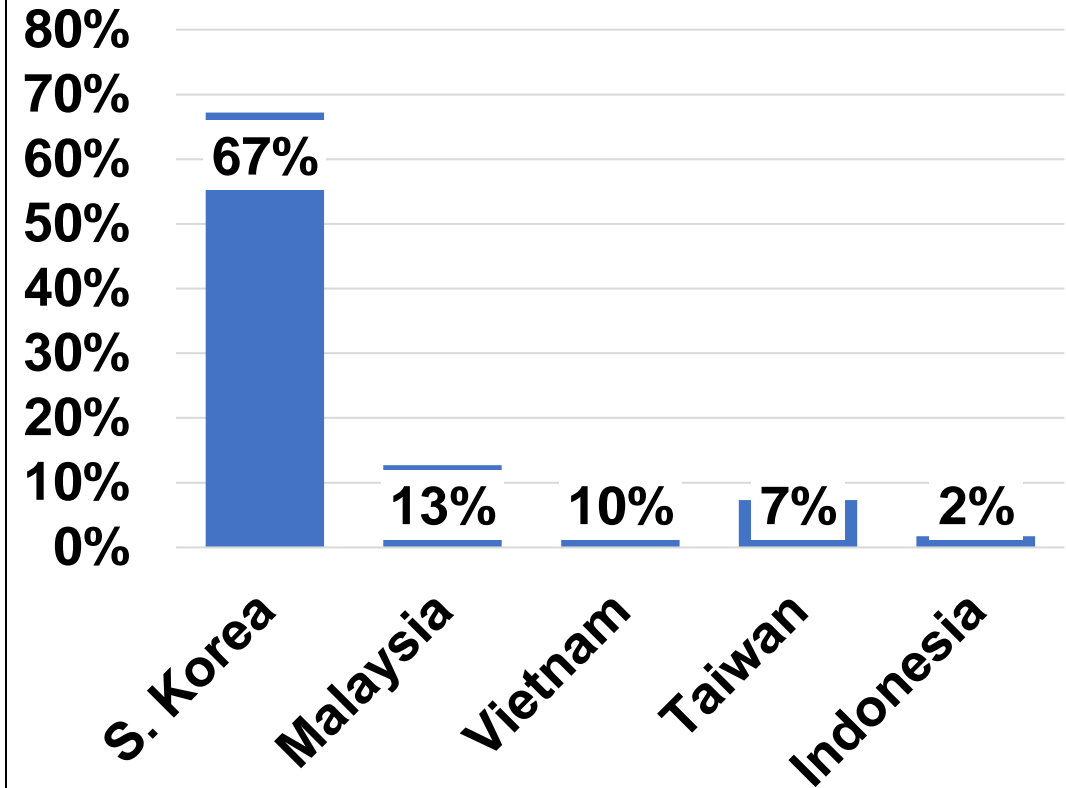
Monthly U.S. PV Panel and Cell Imports by Country February 2021



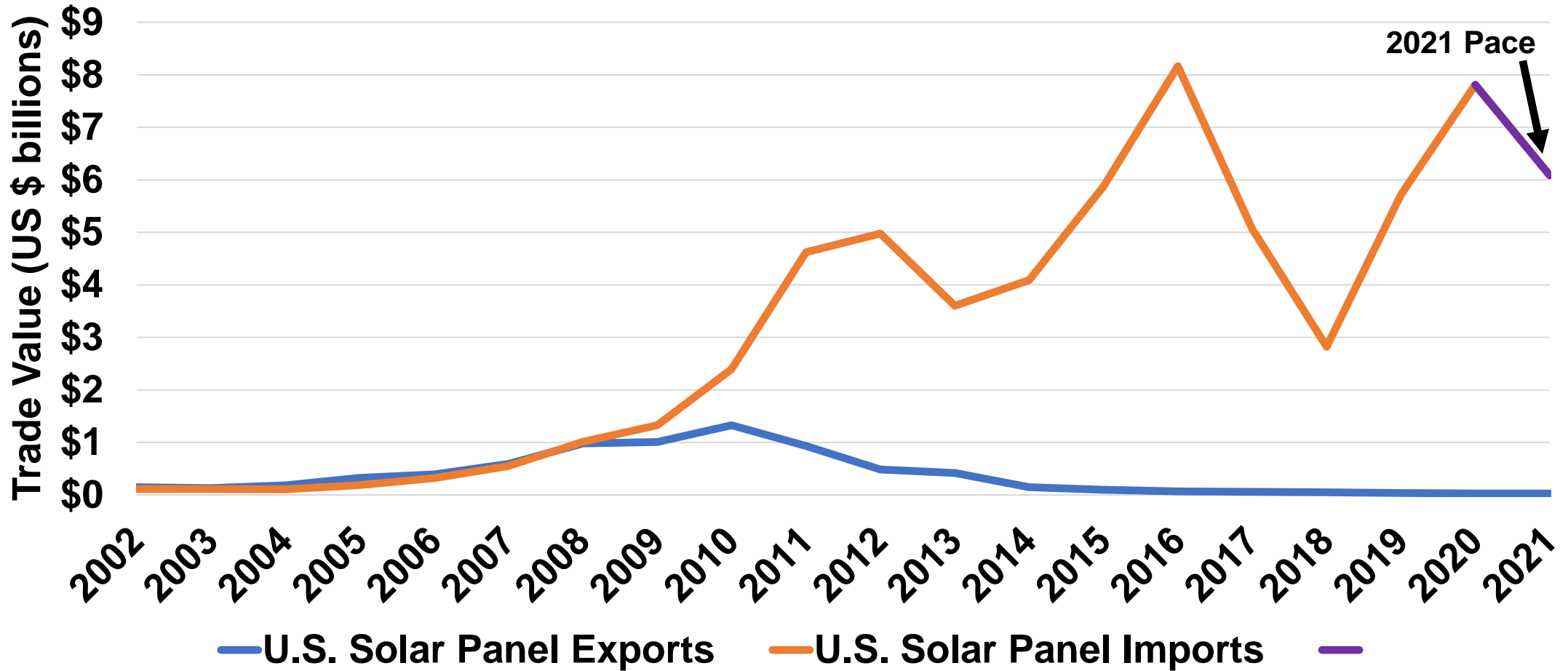
U.S. PV Panel Imports by Country



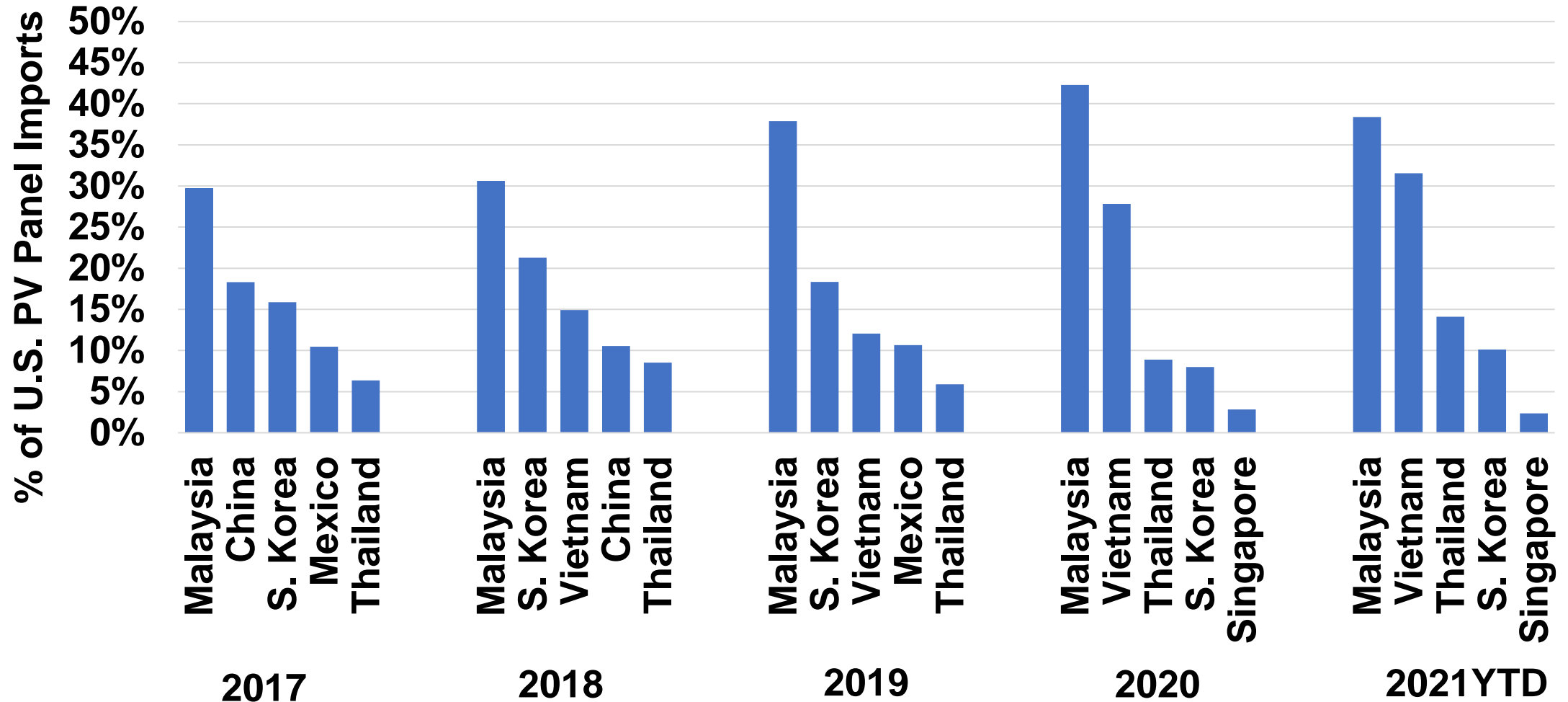
U.S. PV Cell Imports by Country



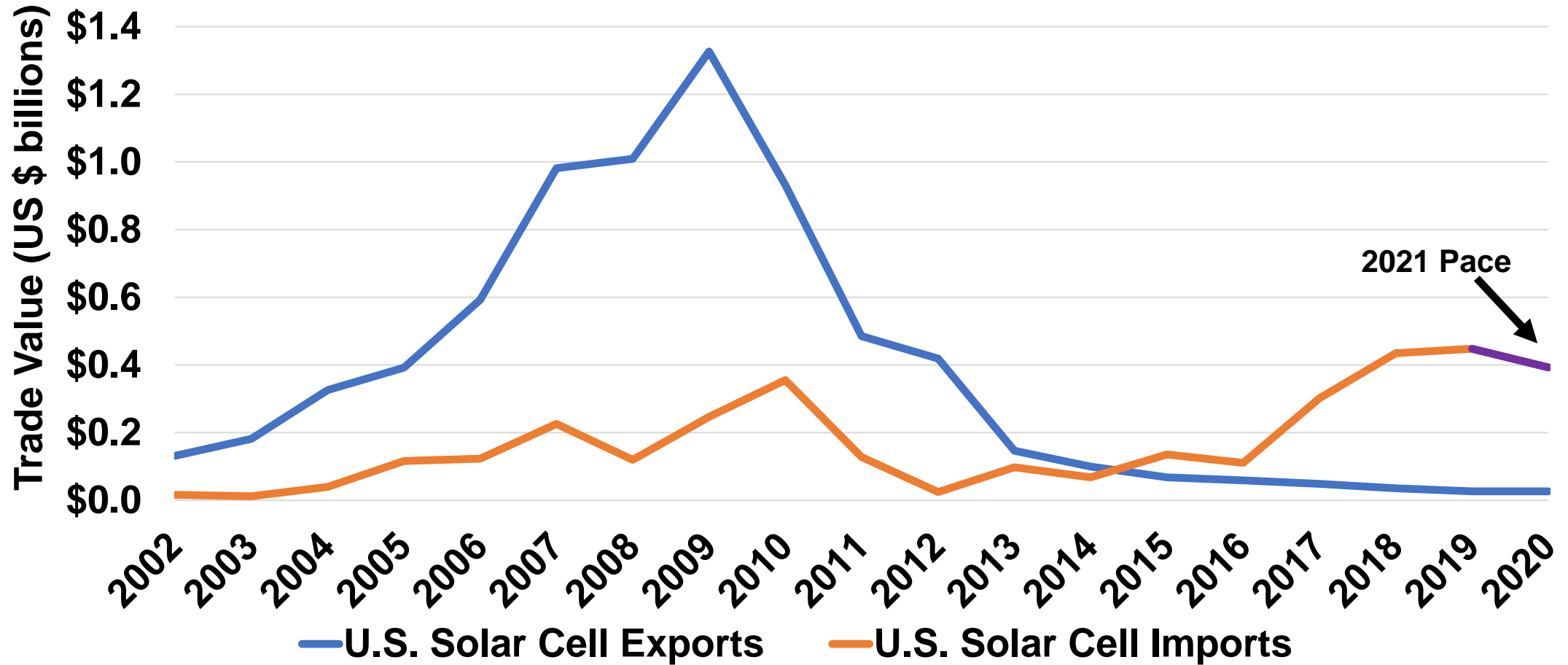
U.S. Annual PV Panel Trade through February 2021



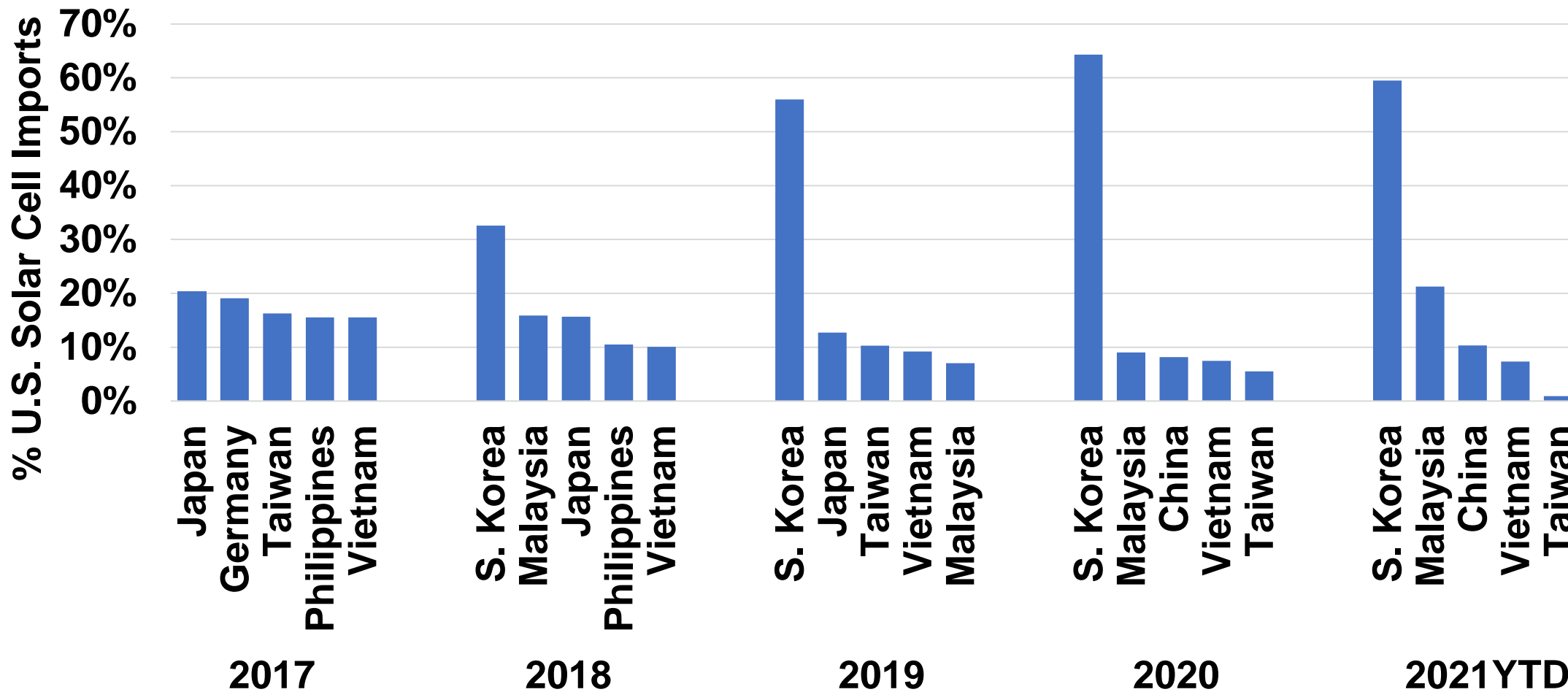
Annual U.S. PV Panel Imports Rank Order of Countries through February 2021



Annual U.S. PV Cell Trade through February 2021



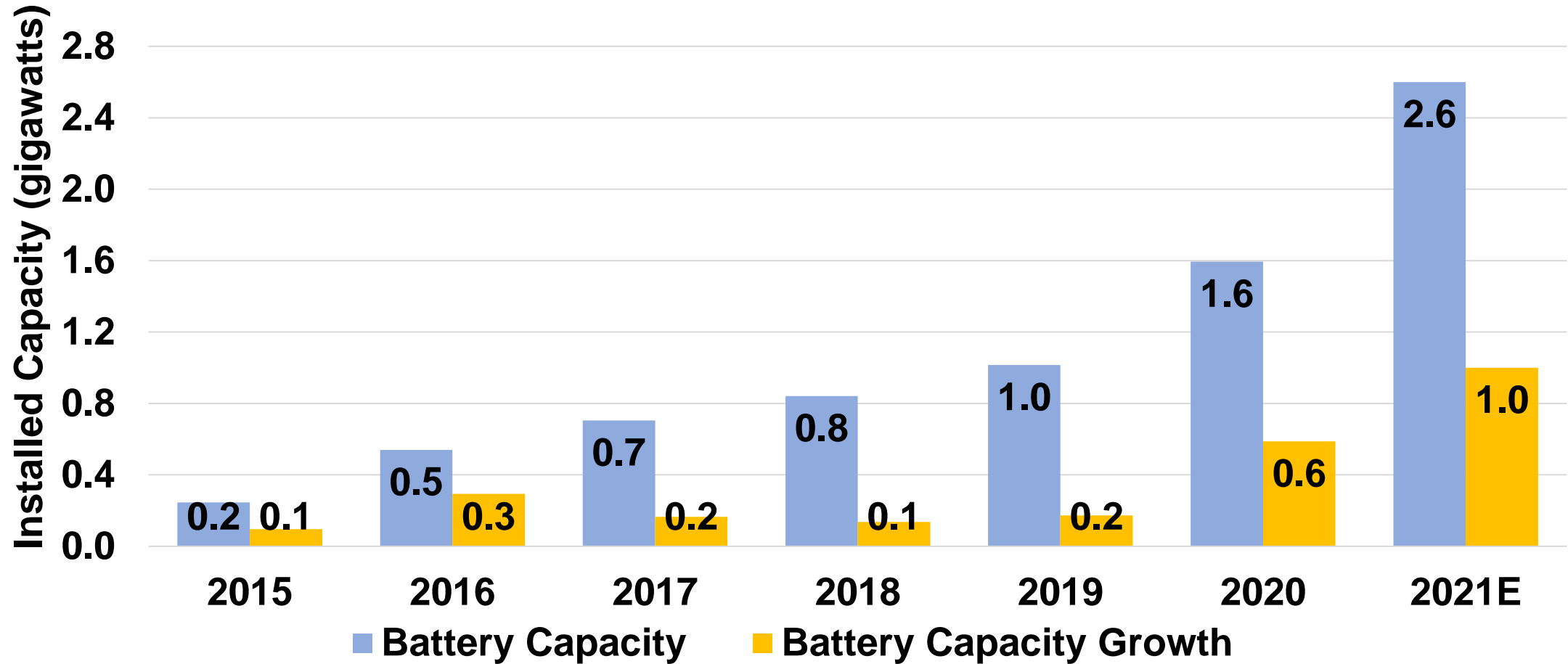
U.S. PV Cell Imports Rank Order of Countries through February 2021



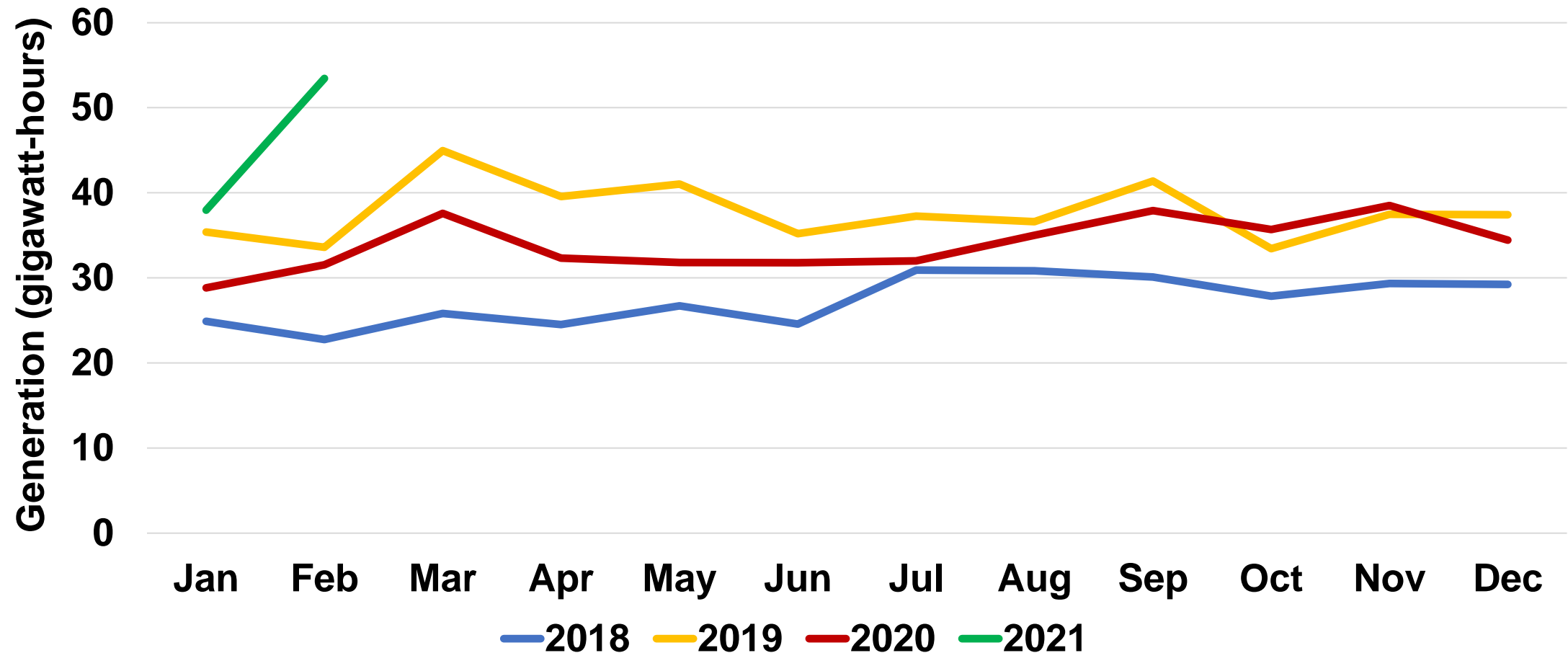


U.S. Battery Storage

Battery Storage Capacity and Growth – 2021 Forecast



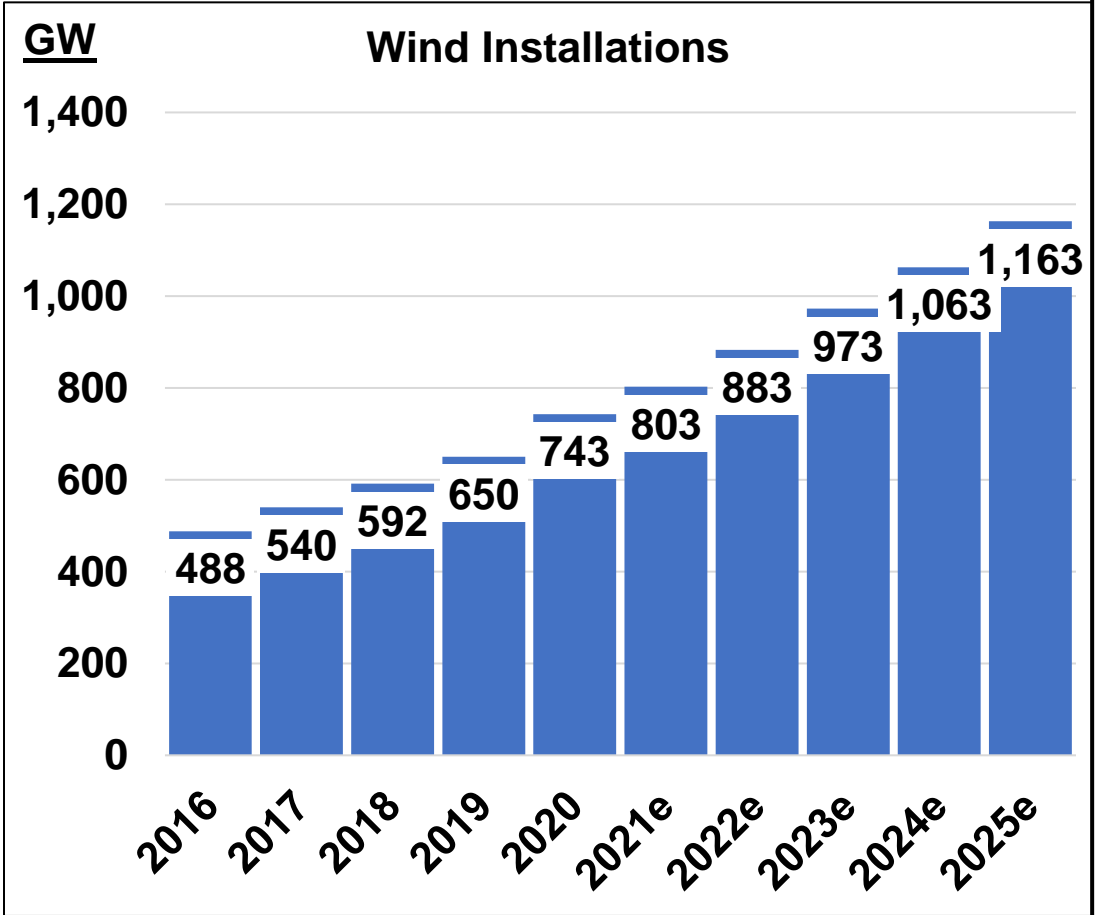
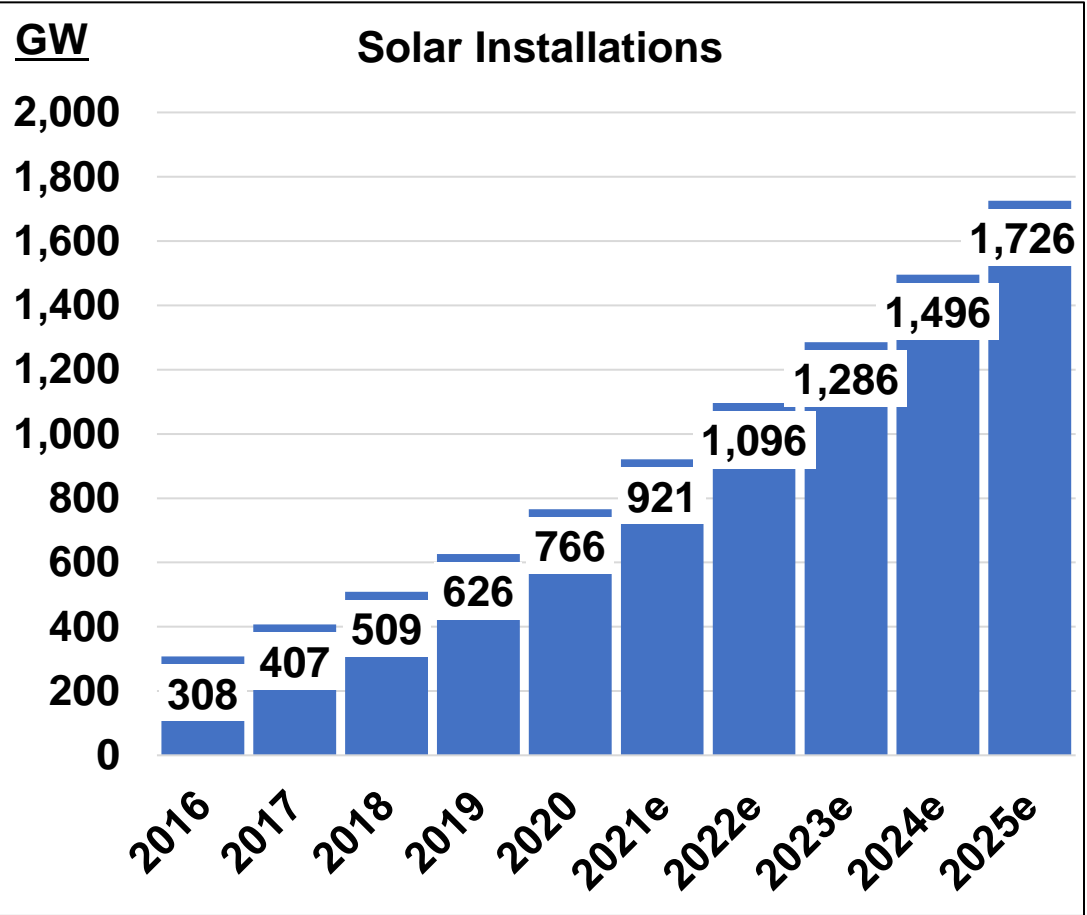
Battery Stored Electricity Generation Year-on-Year (through February 2021)



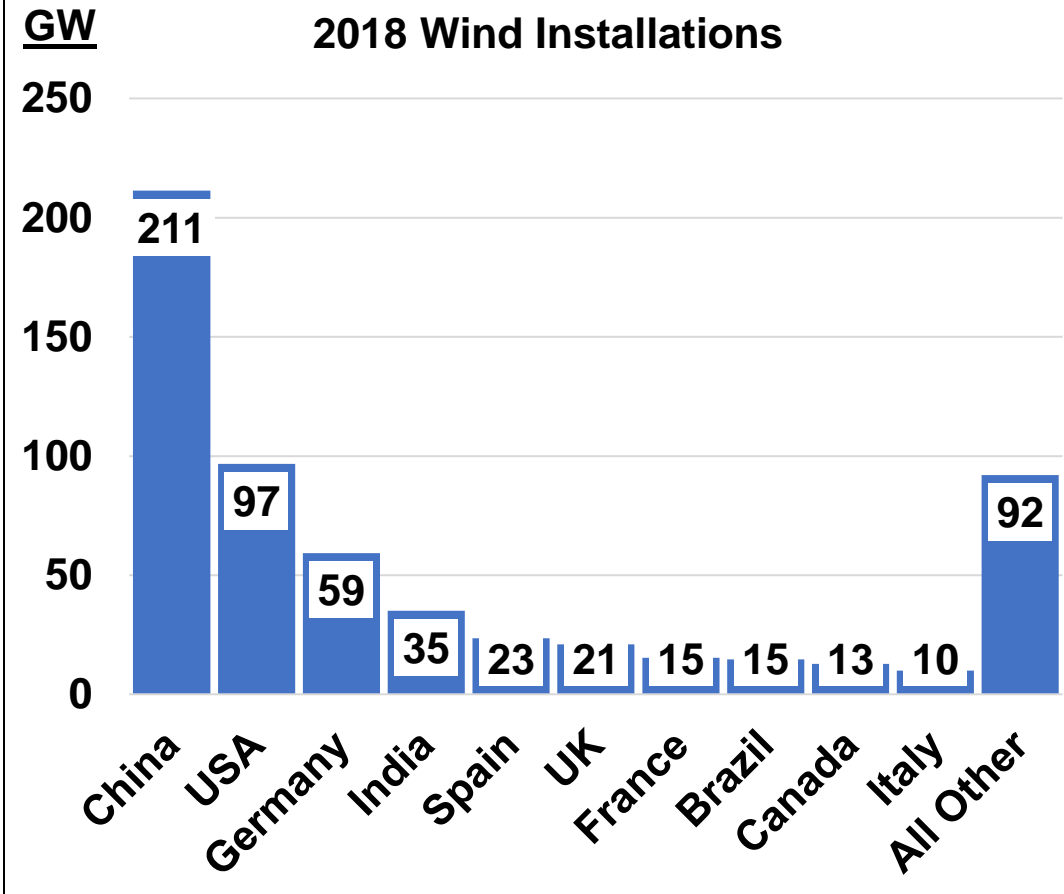
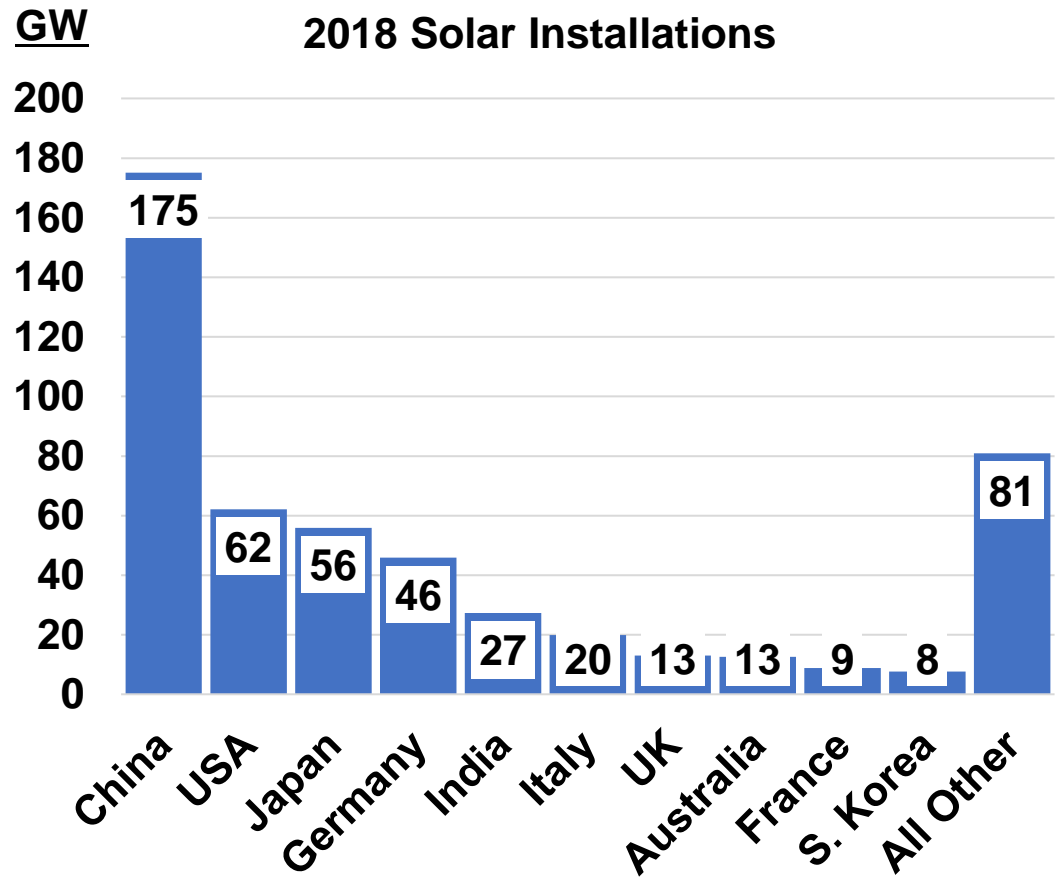


Global Solar and Wind

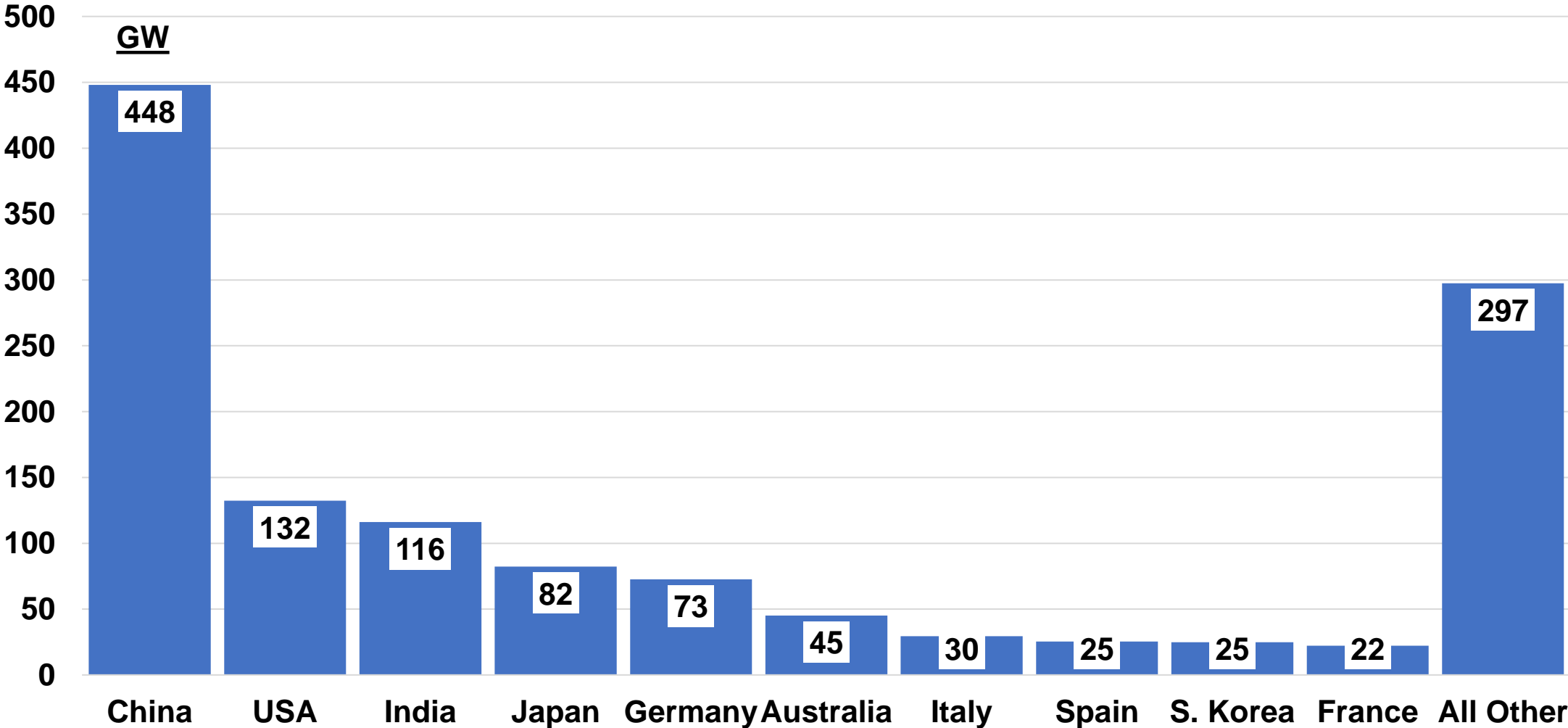
World Cumulative Solar and Wind Installations



2018 Cumulative Solar and Wind Installations by Country



2023 Forecast Cumulative Solar Installations by Country

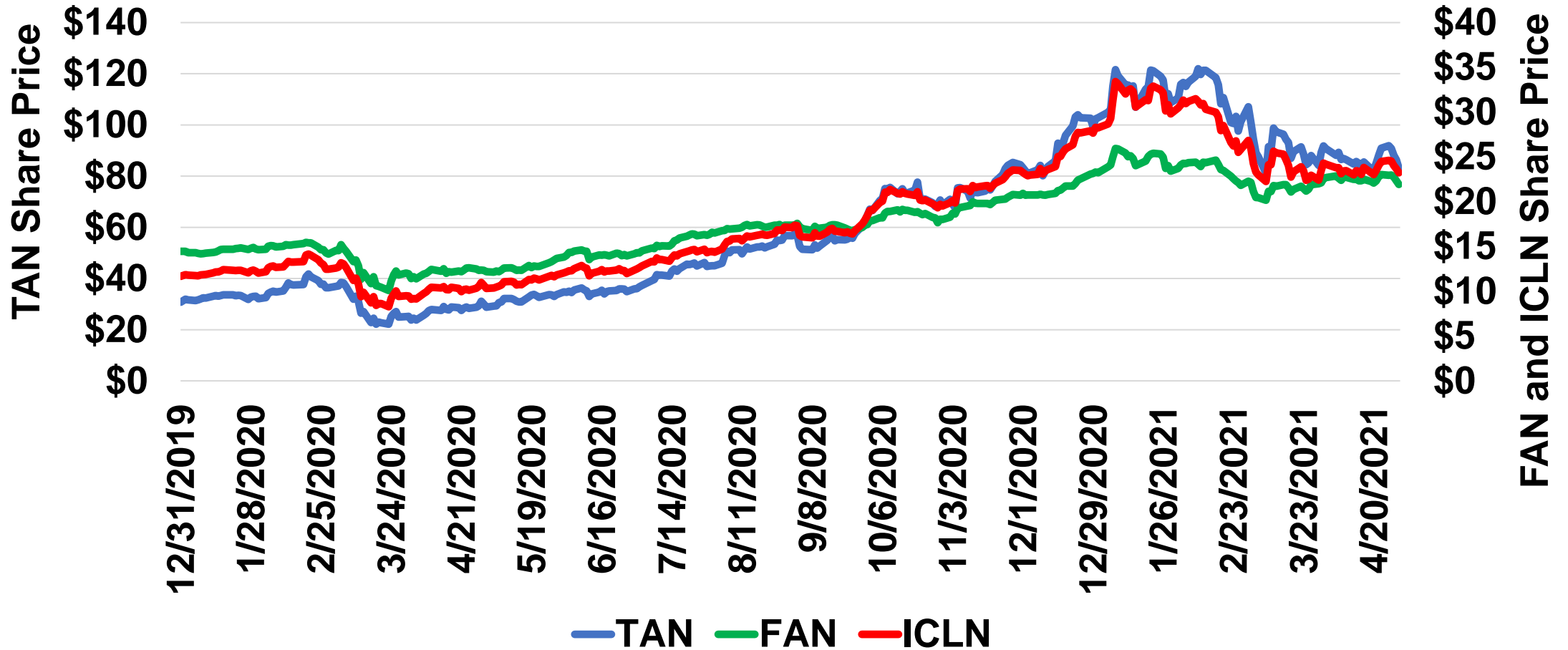




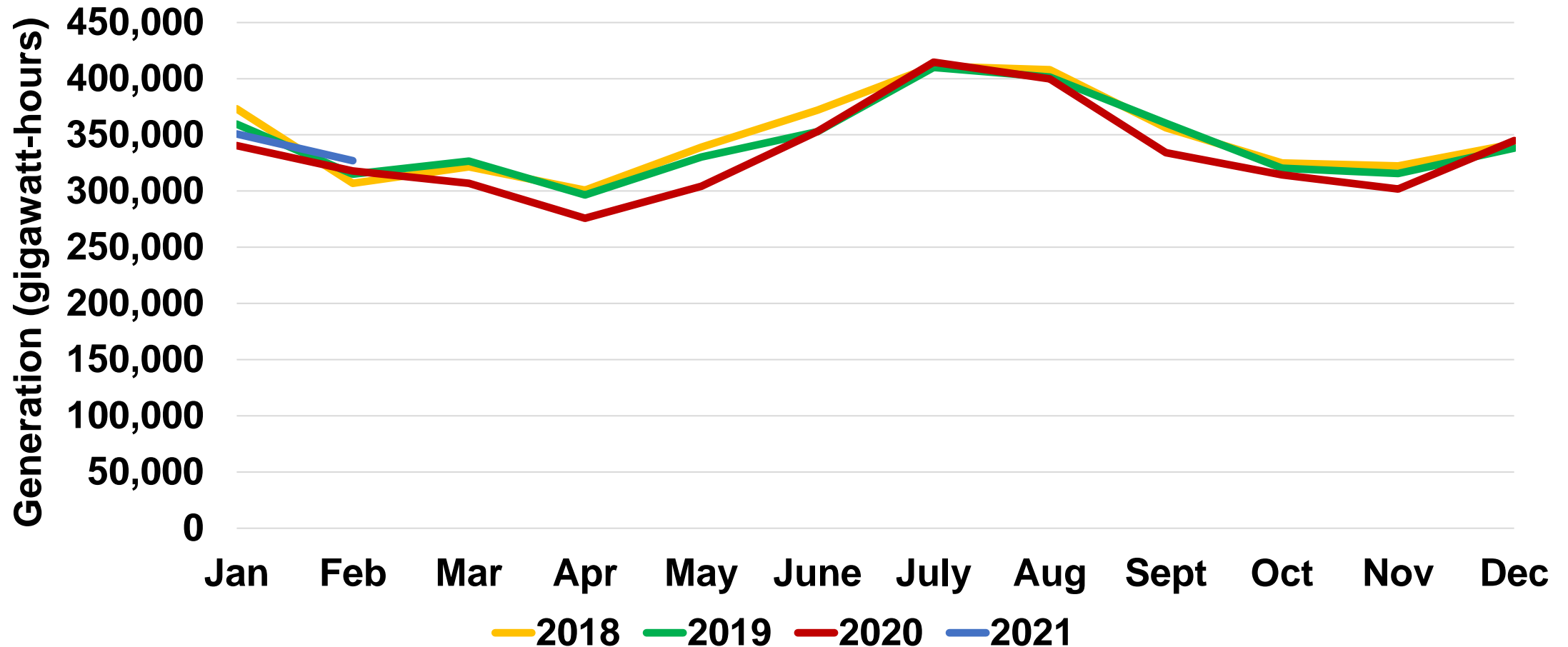
U.S. Electricity Market Overview

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

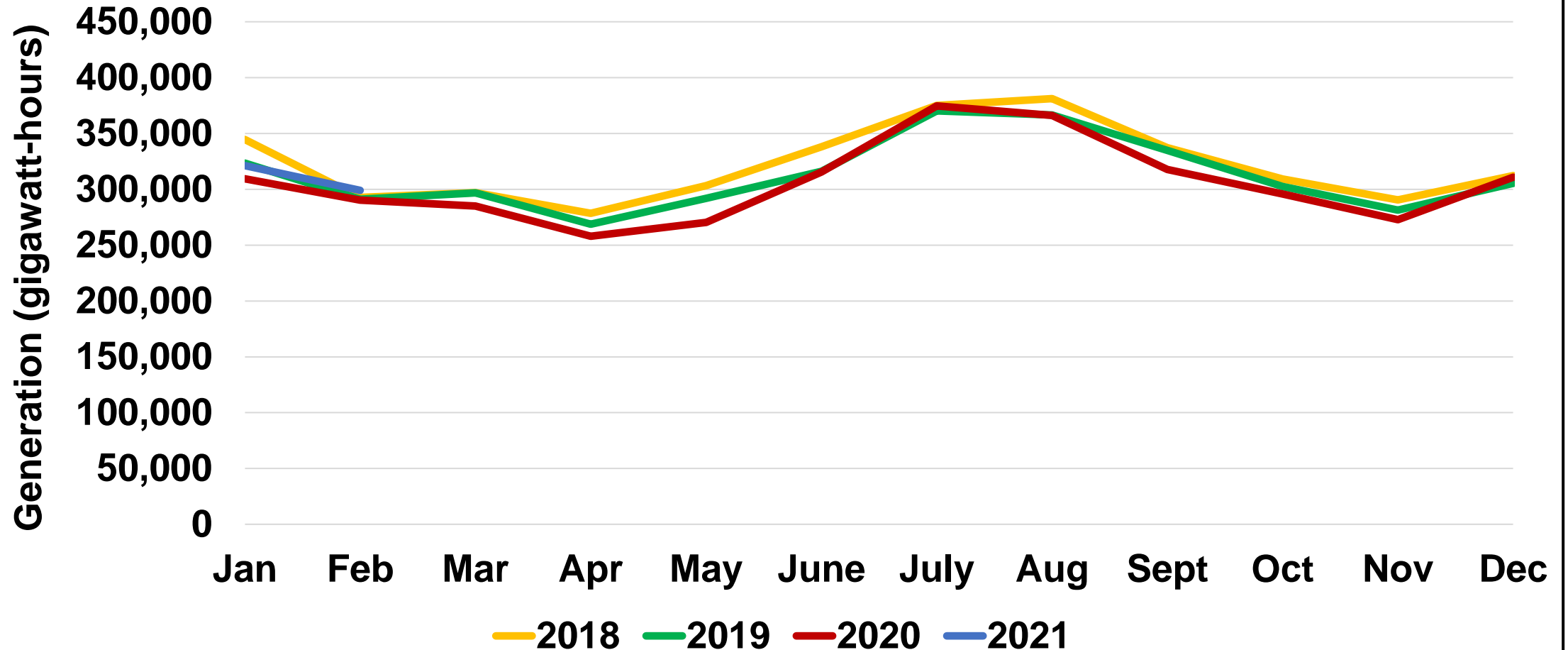
TAN, FAN and ICLN ETF Share Prices (Adjusted Close Prices through April 30, 2021)



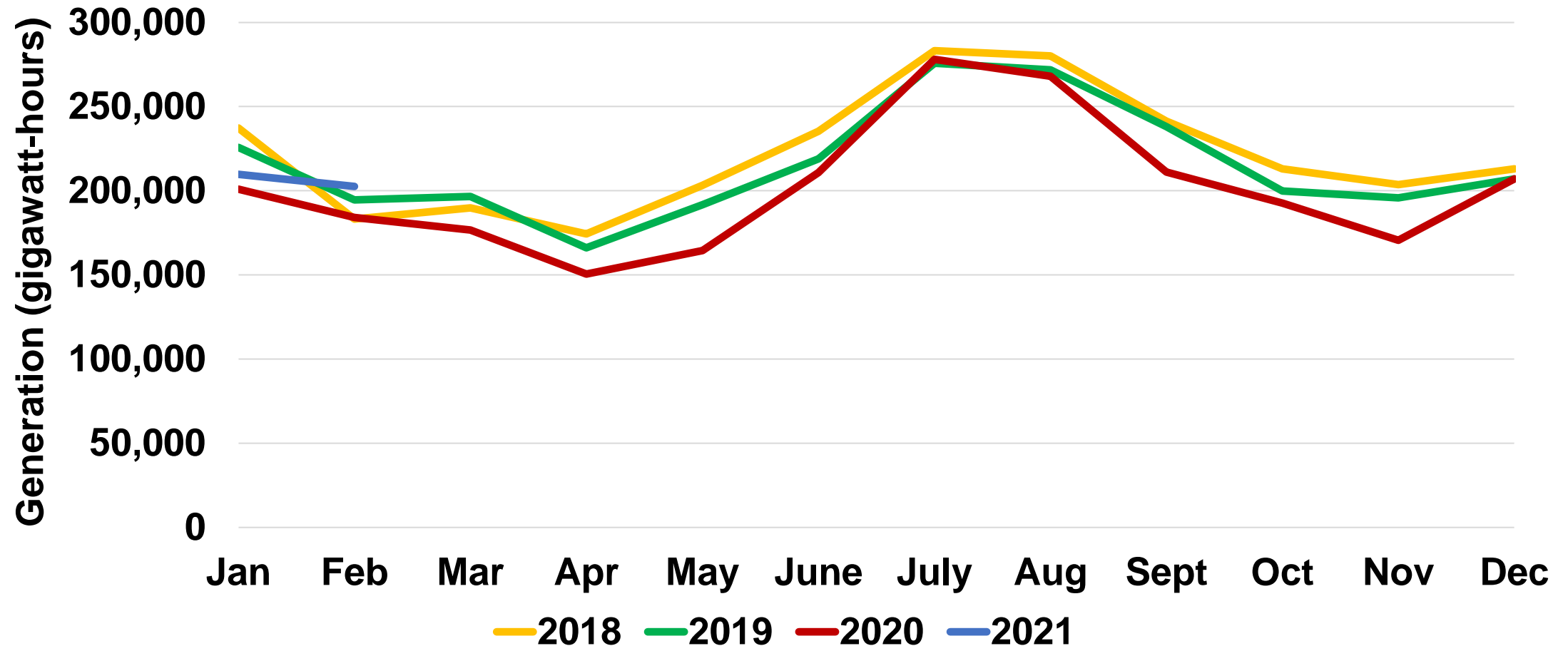
U.S. Total Electricity Supply (Generation) Year-on-Year (through February 2021)



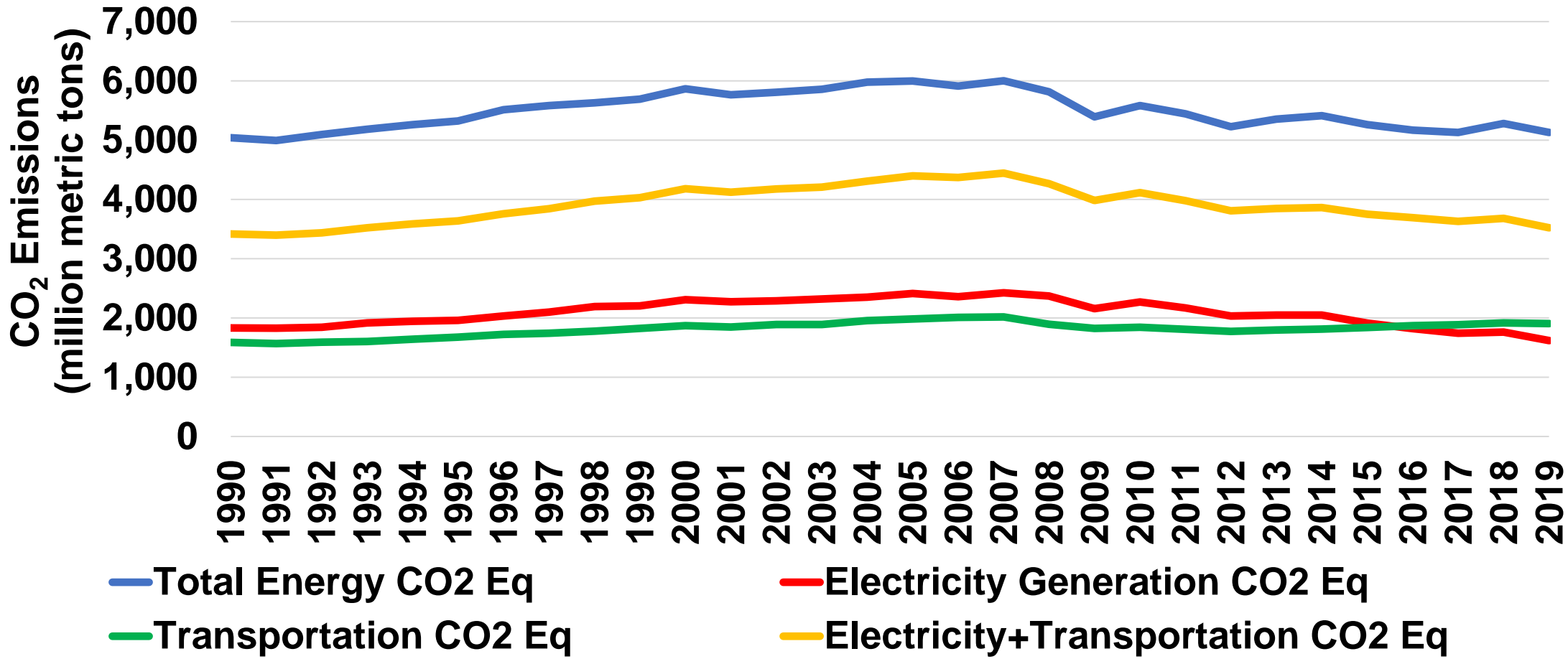
U.S. Total Electricity Demand (Retail Sales) Year-on-Year (through February 2021)



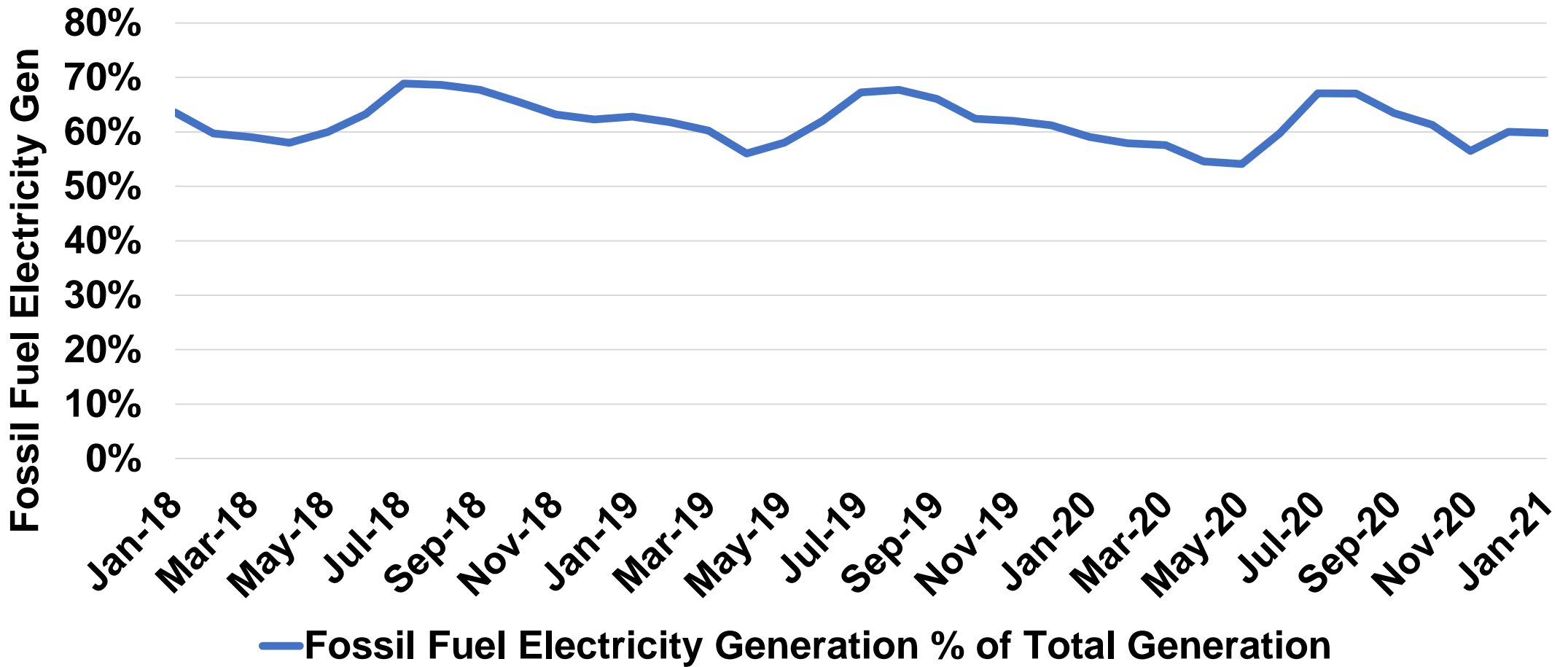
U.S. Fossil Fuel Electricity Generation Year-on-Year (through February 2021)



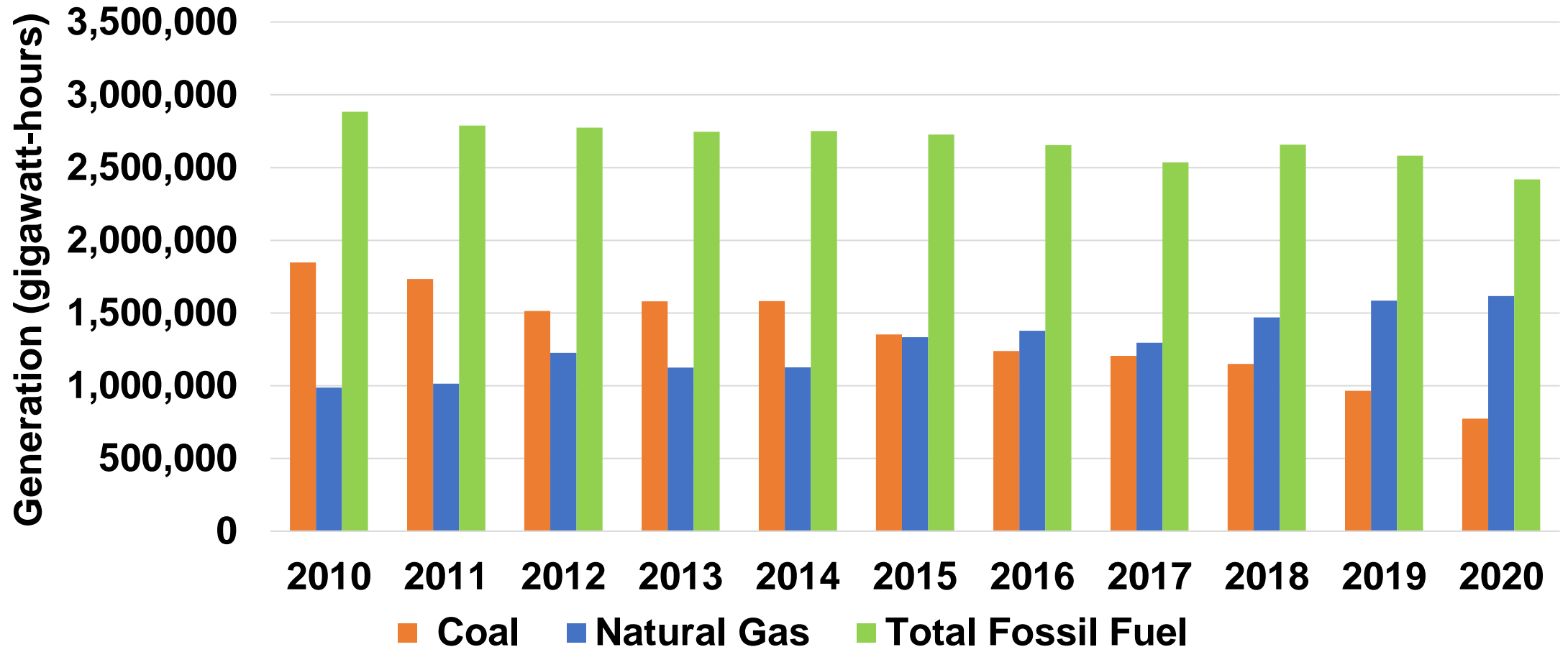
U.S. Fossil Fuel CO₂ Equivalent Emissions



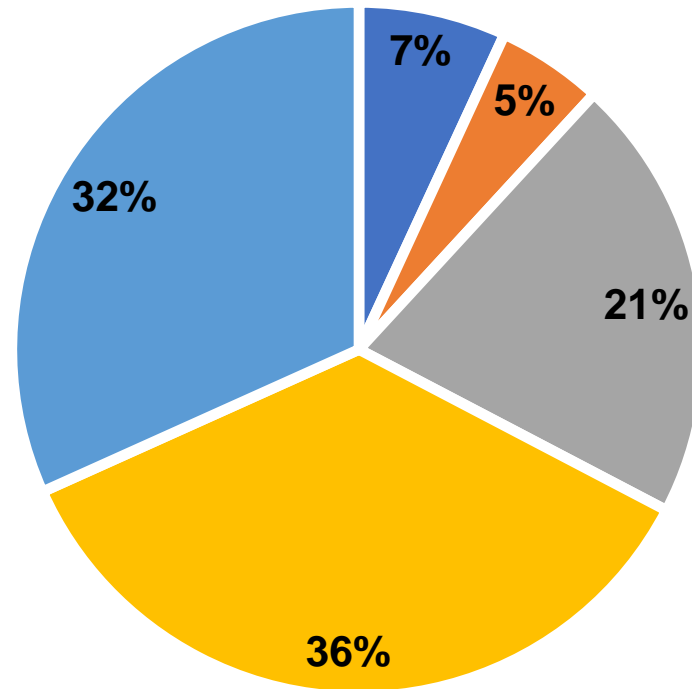
U.S. Fossil Fuel Electricity Generation % of Total Generation



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



U.S. Energy CO₂ Emissions by Sector (2019)



■ Residential ■ Commercial ■ Industrial ■ Transportation ■ Electric Power

ASAP Regional Map

