



ASAP

(American Solar Action Plan)

PV-Wind Monthly Slideshow

July 2021

ASAP

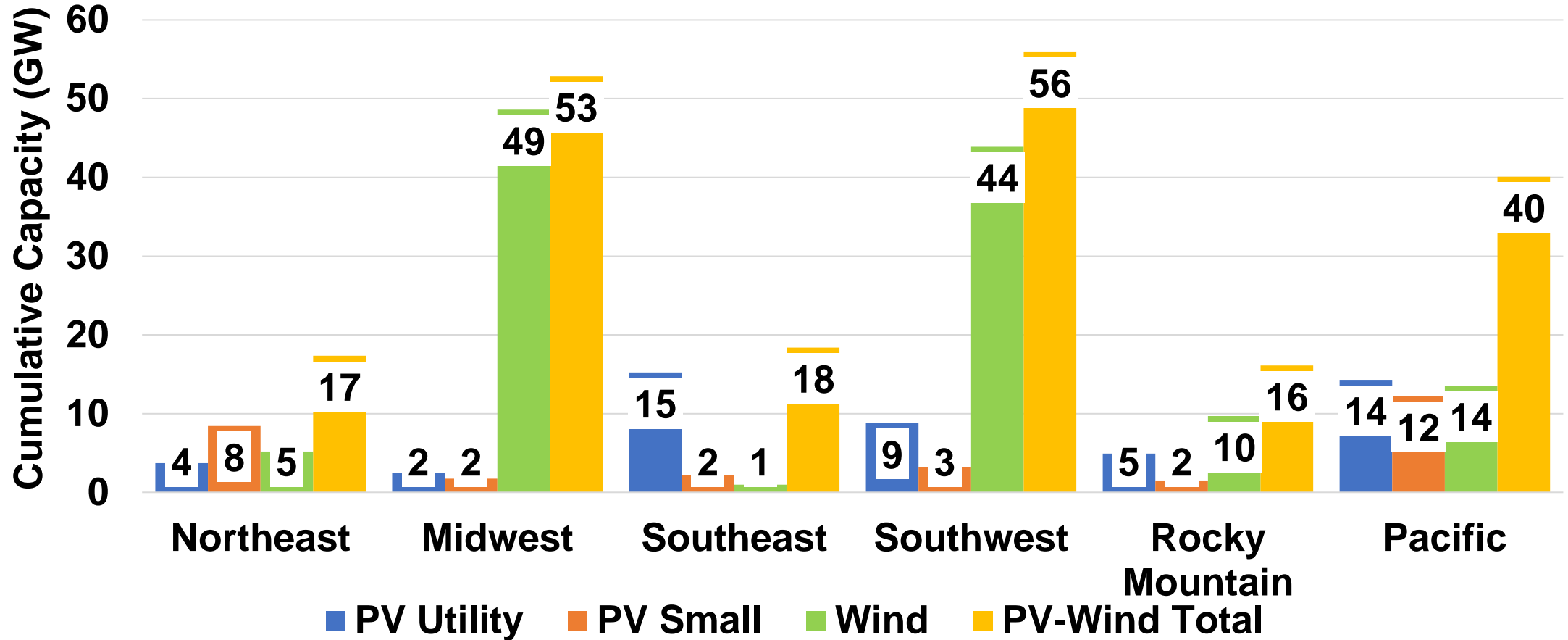
Website: www.solarplan.org

Contact: james.mason@solarplan.org



PV and Wind Capacity and Capacity Growth

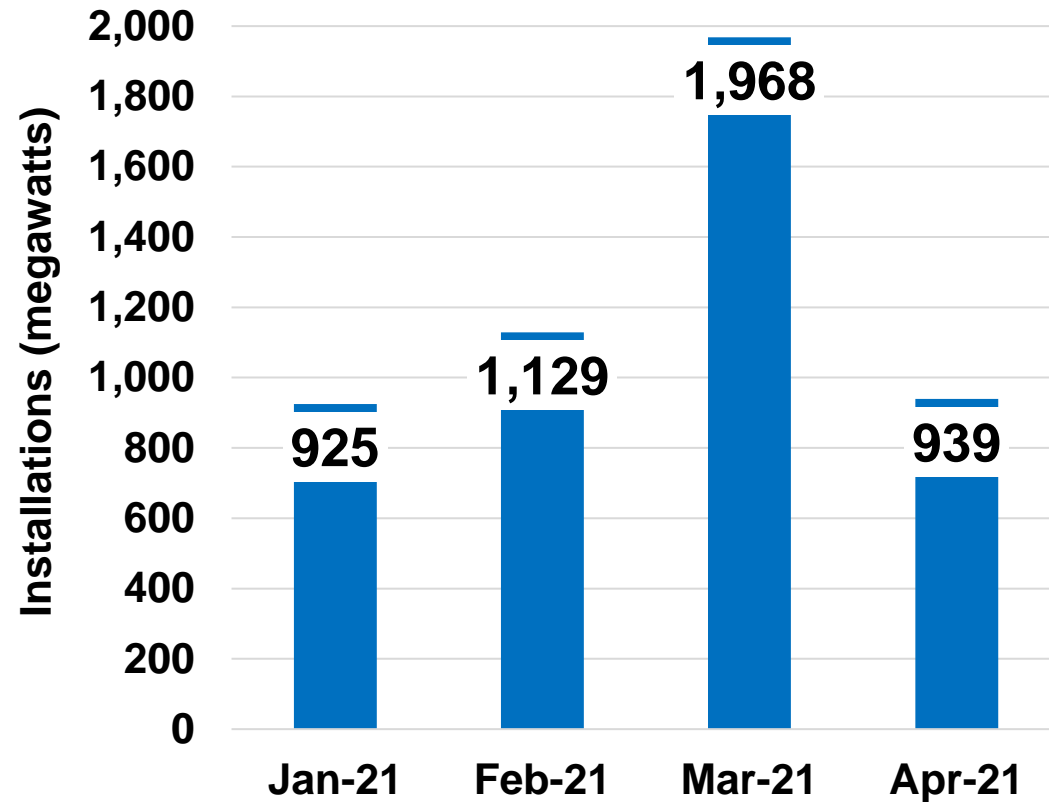
PV and Wind Cumulative Capacity by Region Through April 2021



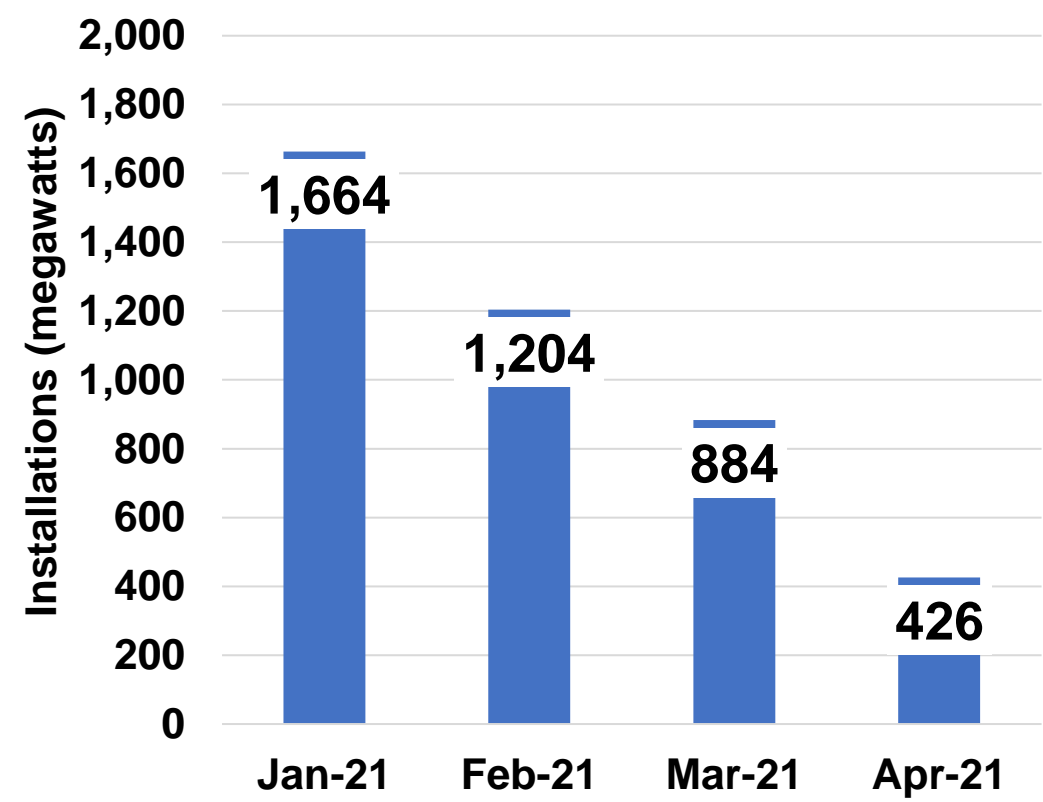
2021 – Net Monthly PV and Wind Installations (New Installations minus Removed from Service)



Monthly Total PV Installations



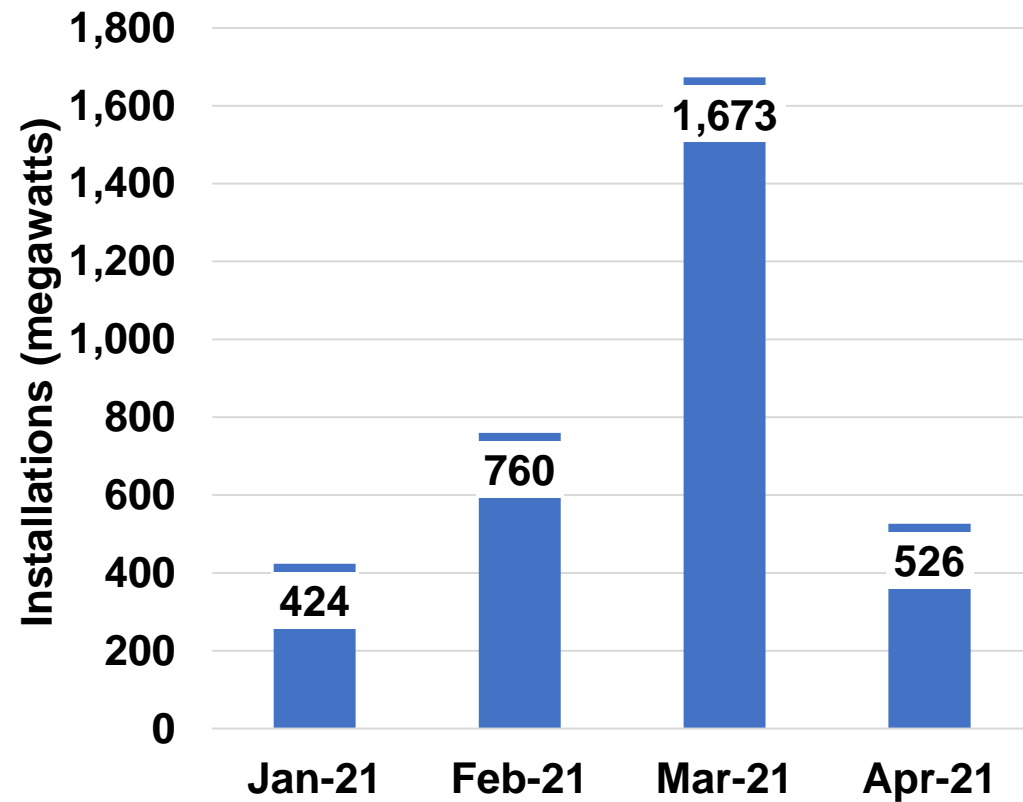
Monthly Wind Installations



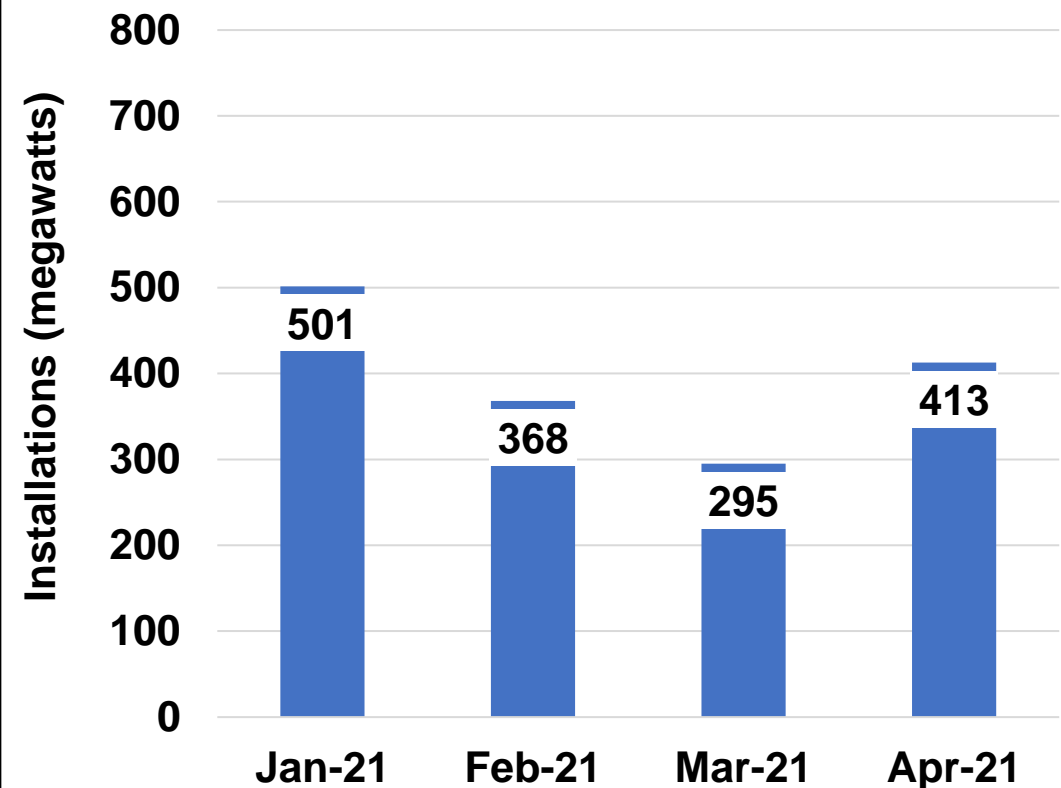
2021 – Net Monthly PV Installations (New Installations minus Removed from Service)



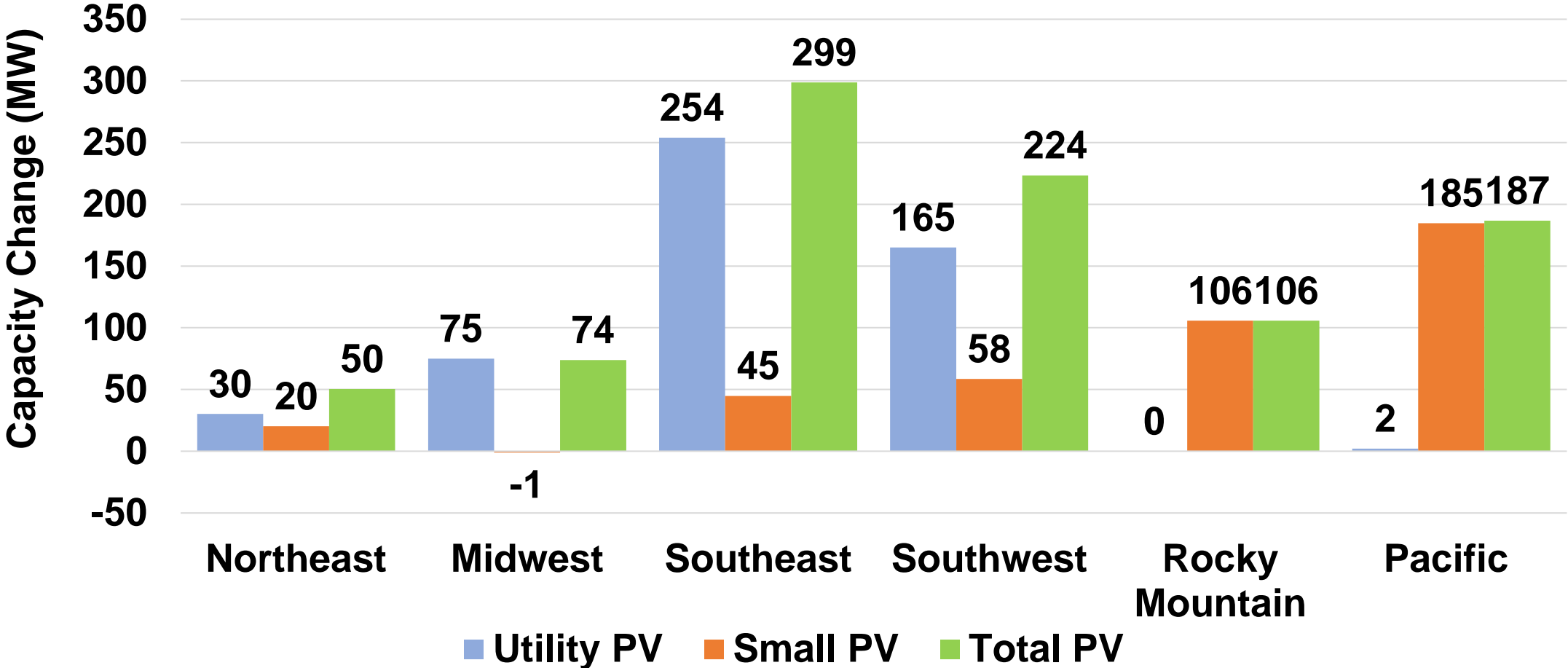
Utility PV Installations



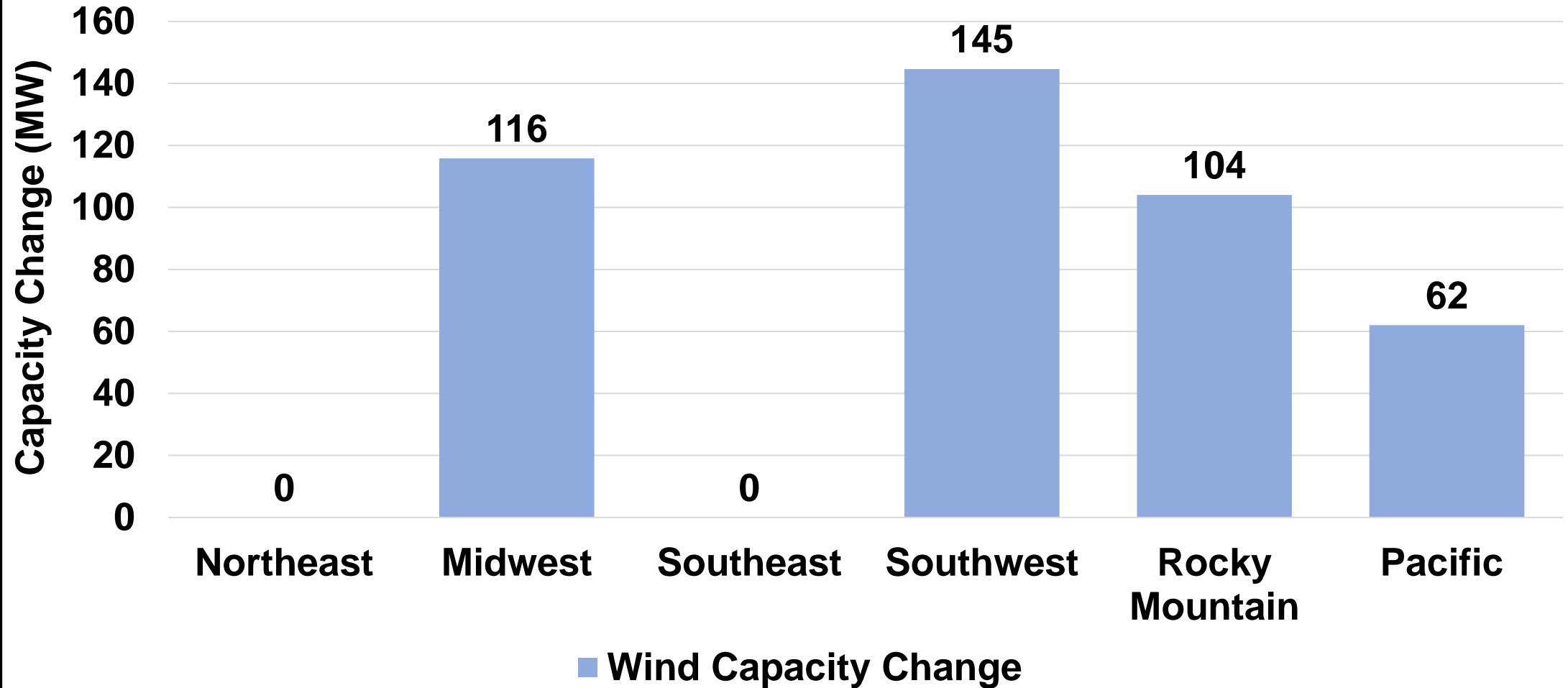
Small PV Installations



Regional PV - Net Capacity Additions April 2021

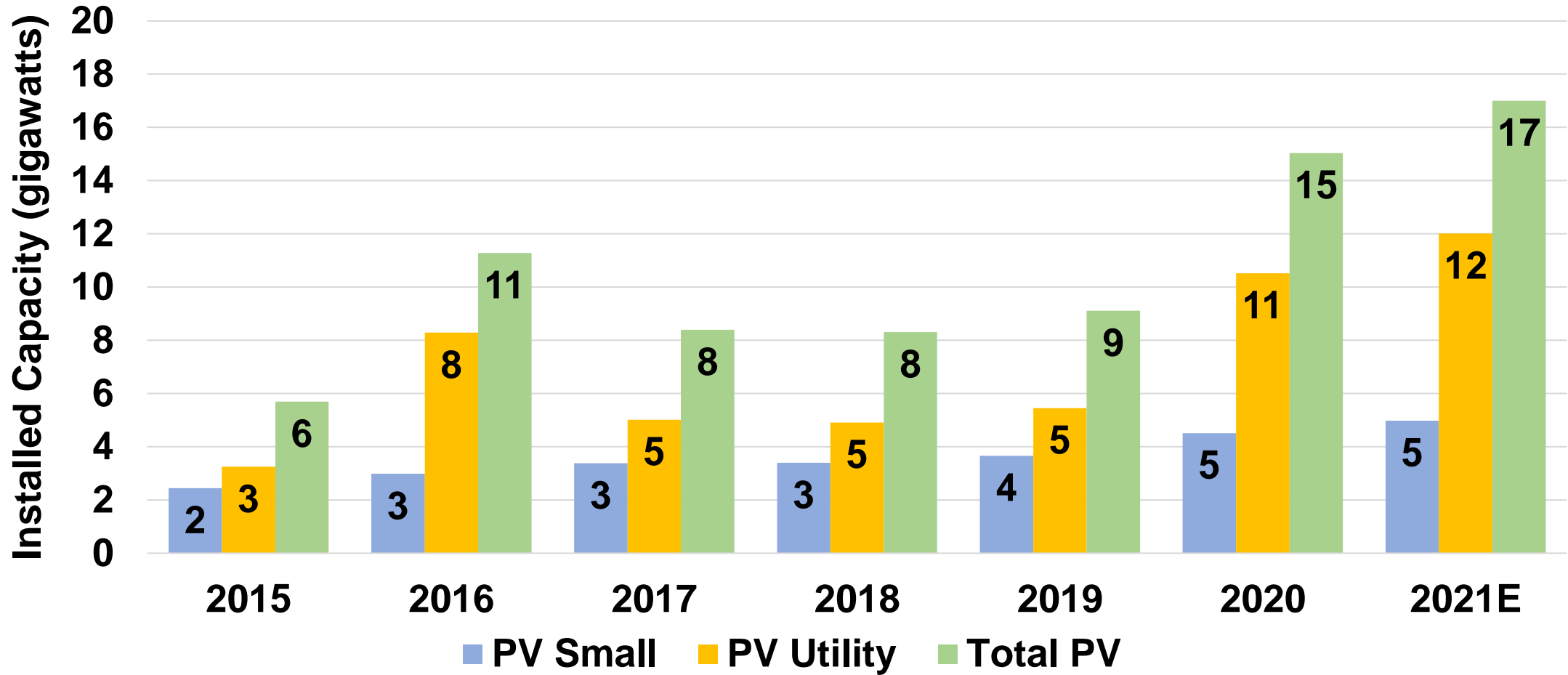


Regional Wind – Net Capacity Additions April 2021



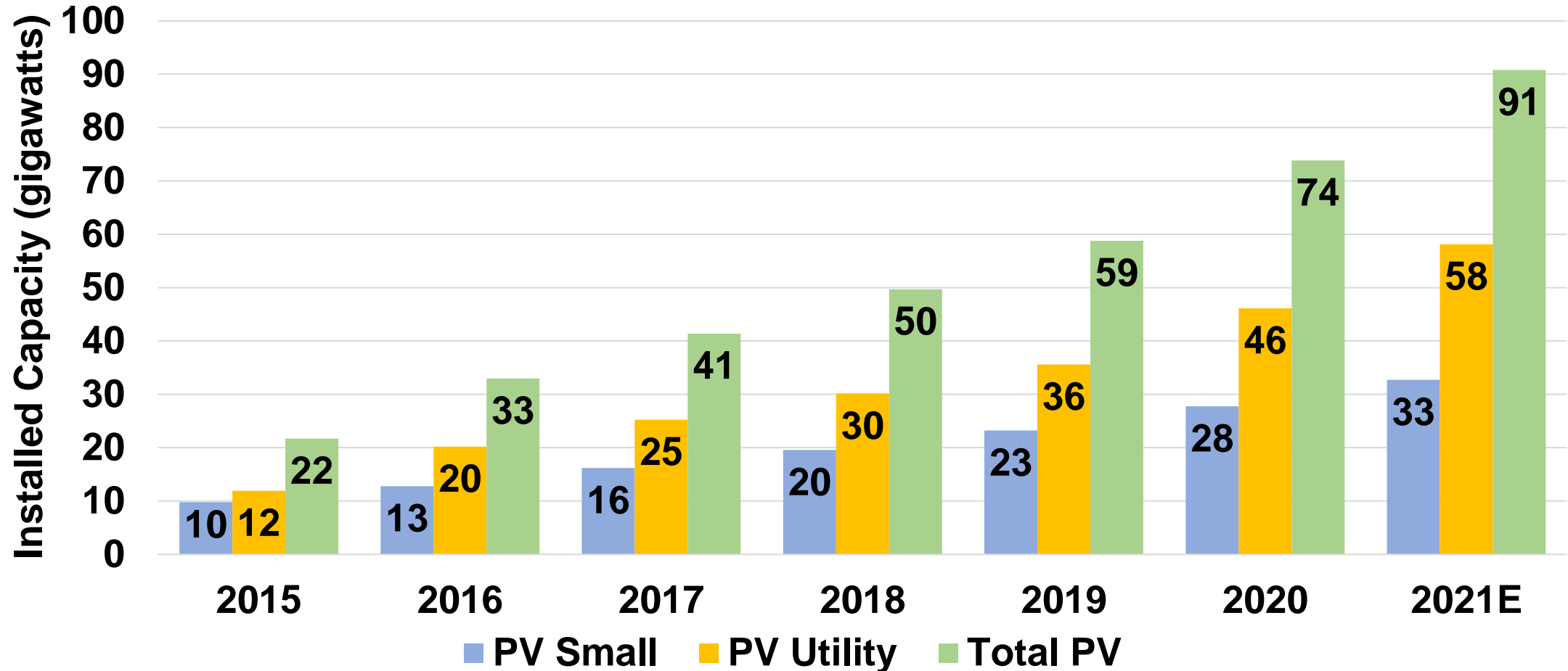
Annual Growth in PV Installed Capacity – 2021 Forecast

Small PV, Utility PV and Total PV



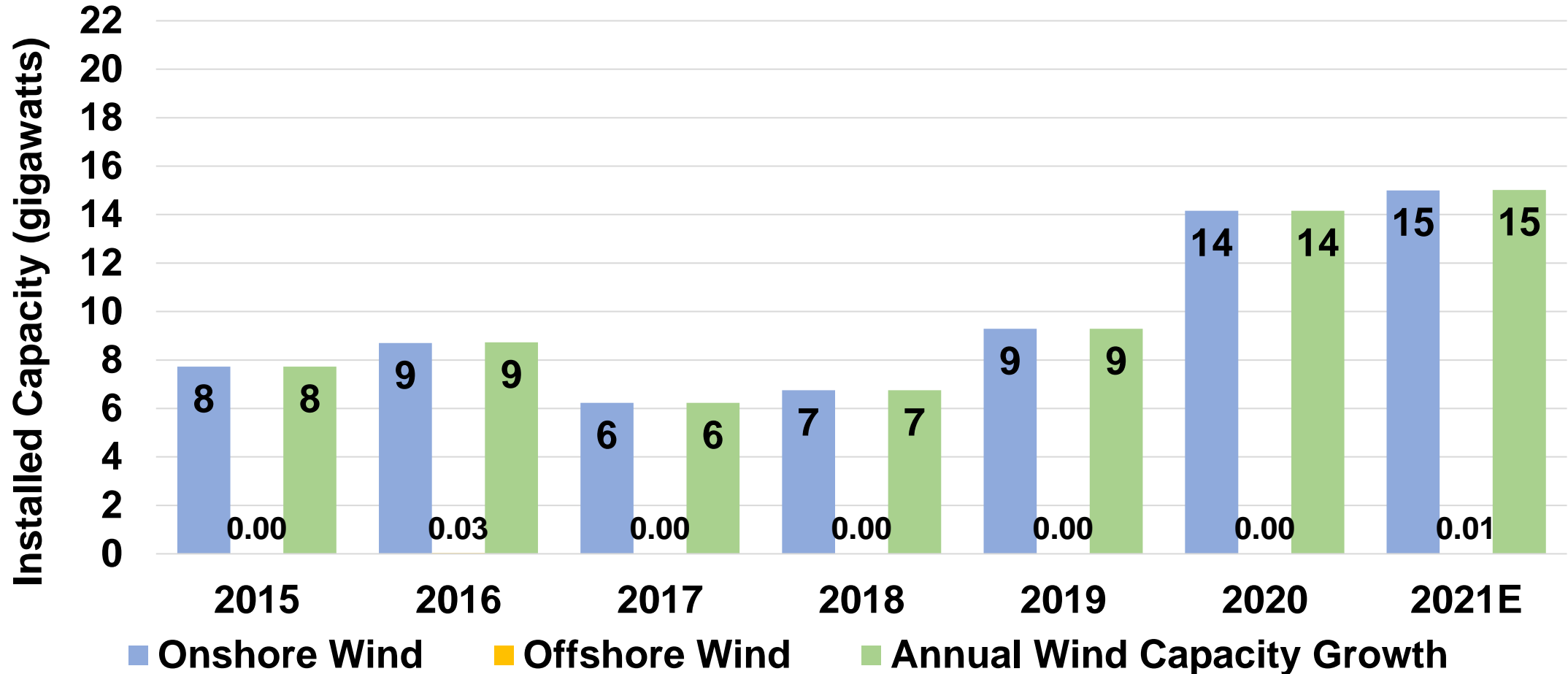
PV Cumulative Installed Capacity – 2021 Forecast

Small PV, Utility PV and Total PV



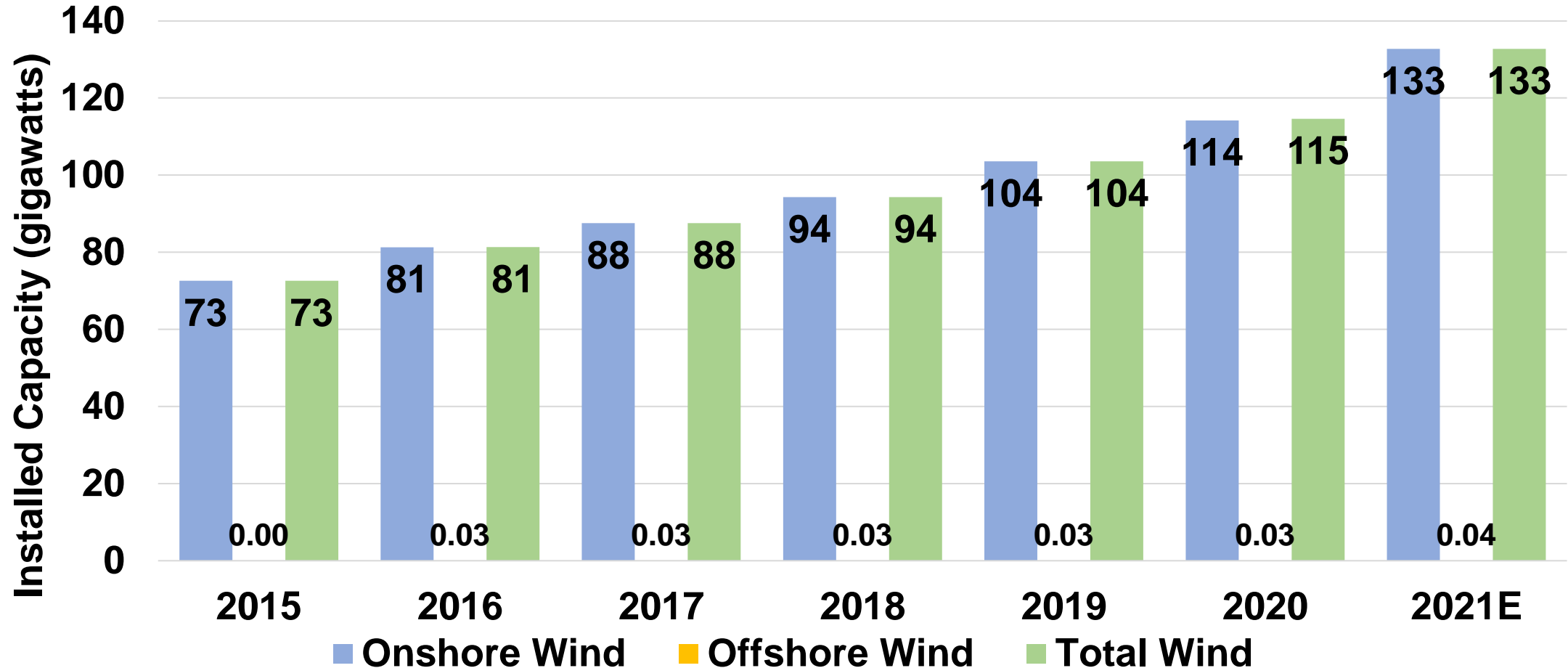
Annual Growth – Wind Installed Capacity – 2021 Forecast

Wind Onshore, Wind Offshore and Total Wind



Wind Cumulative Installed Capacity – 2021 Forecast

Wind Onshore, Wind Offshore and Total Wind

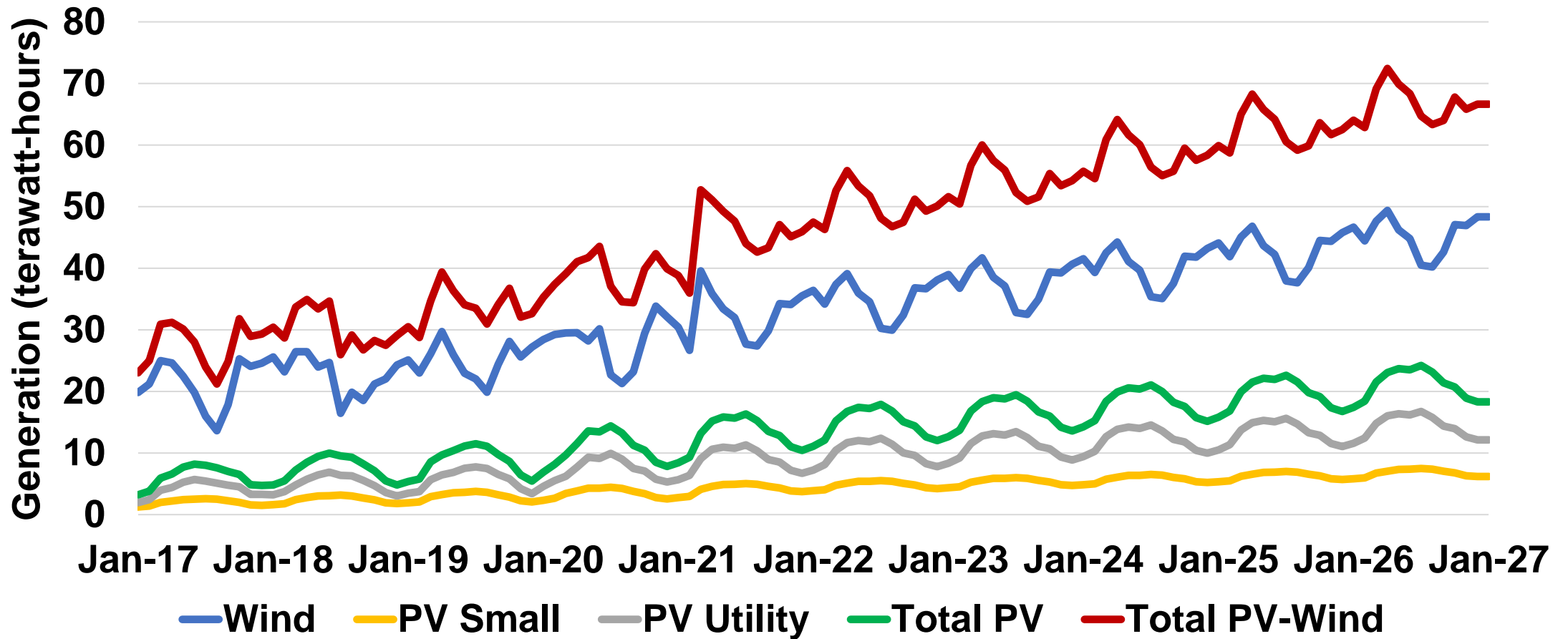




U.S. PV and Wind Electricity Supply

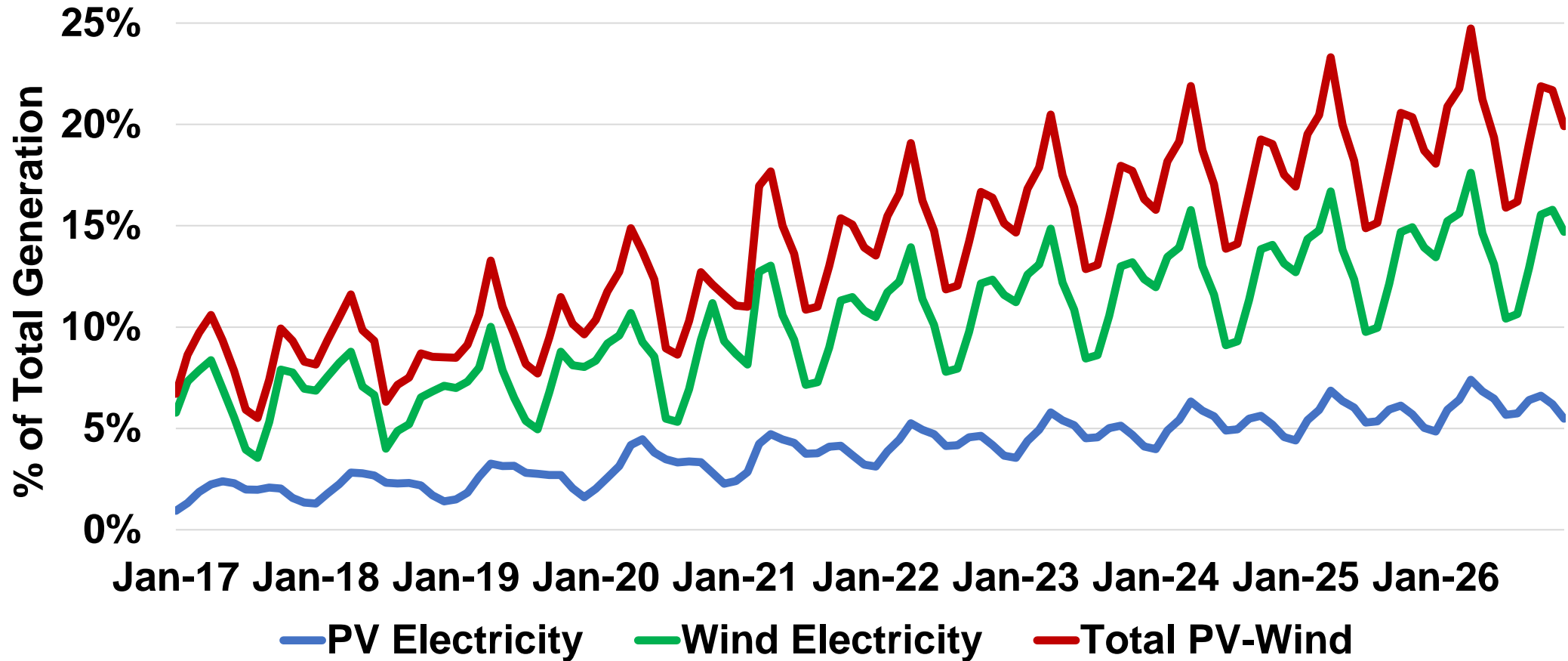
U.S. PV & Wind Monthly Electricity Generation 92017-2026)

Actual through April 2021; Forecast through Dec. 2026



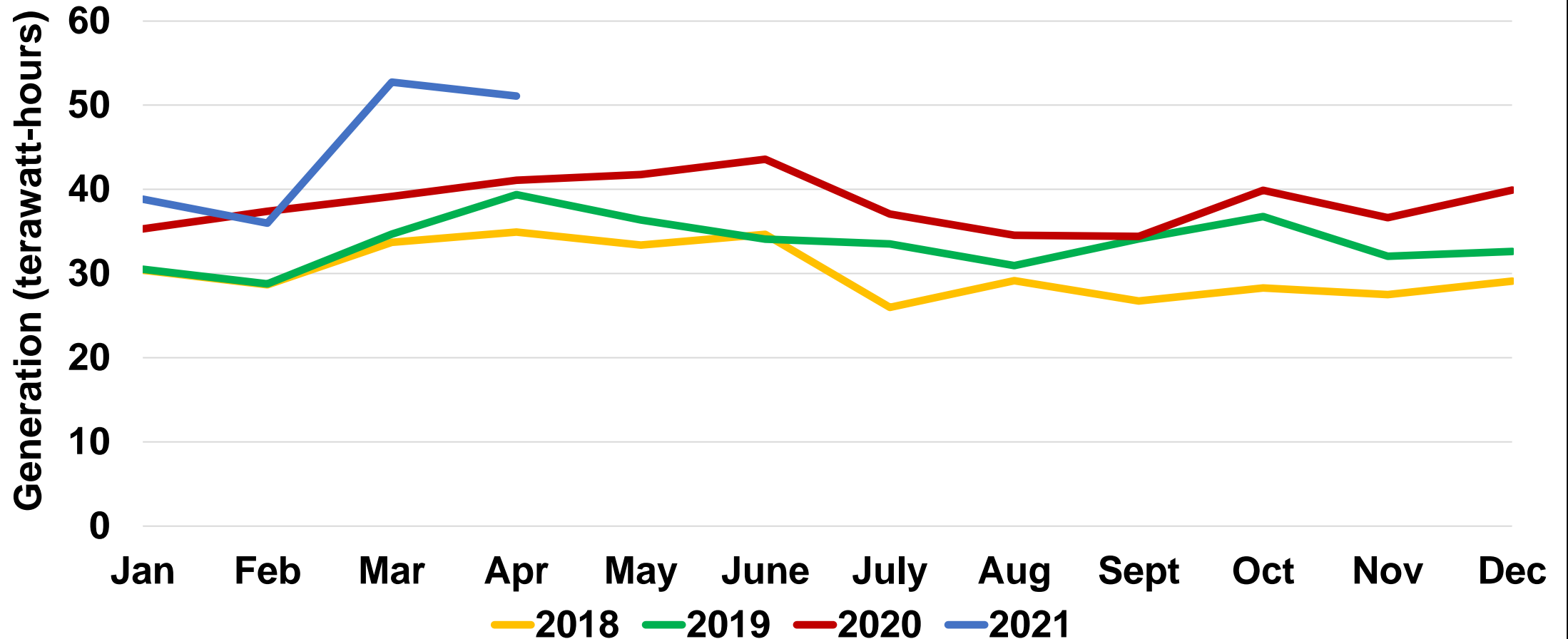
Note: PV Small is less than 1.0 MW; PV Utility is 1.0 MW and greater

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

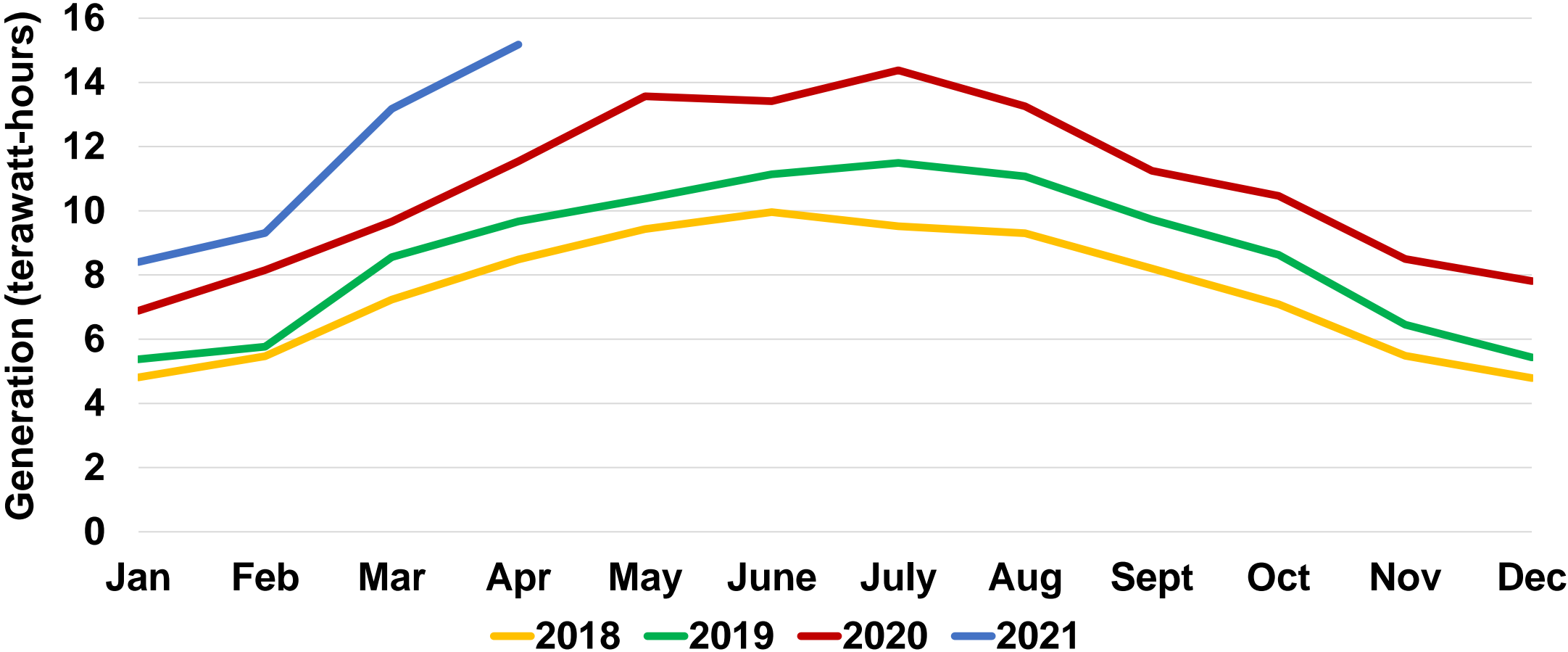


Note: Fossil fuel electricity generation was 60% of total 2020 electricity generation.

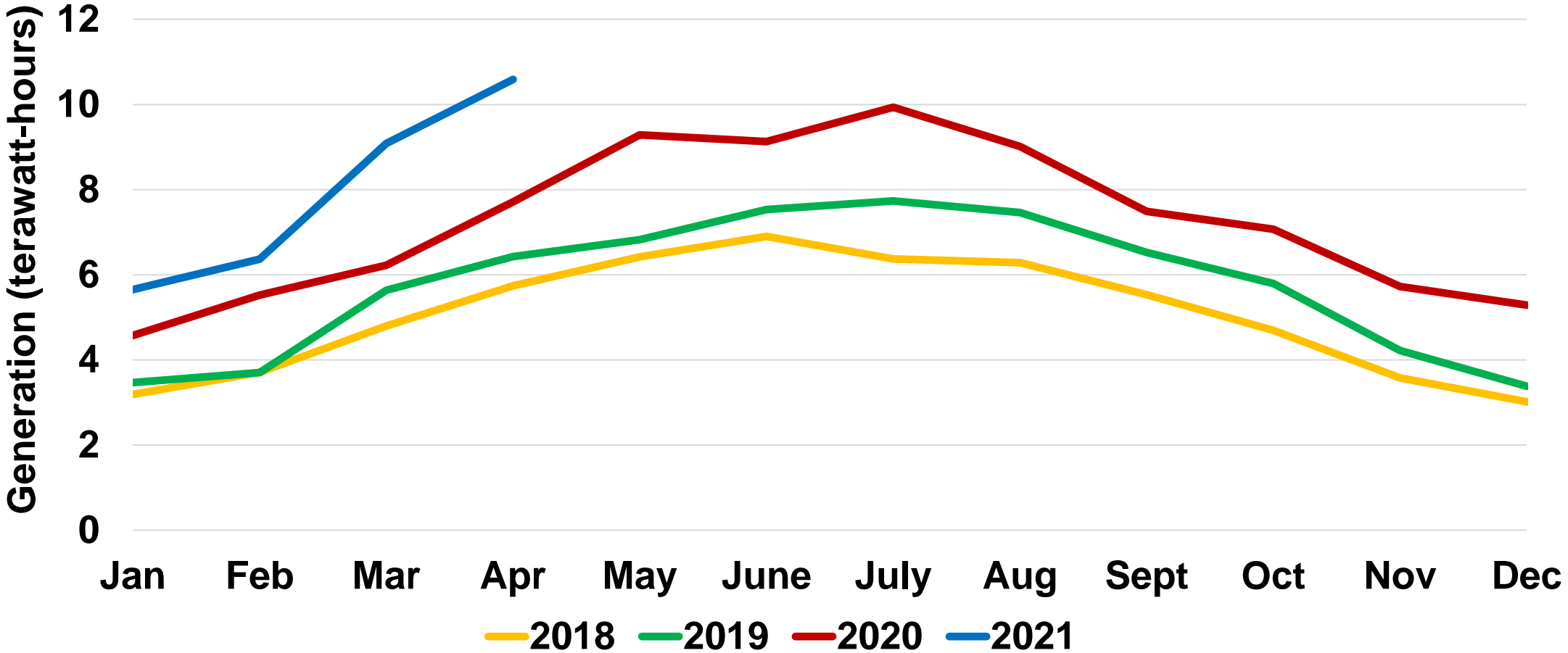
Combined PV and Wind Electricity Generation Year-on-Year (through April 2021)



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

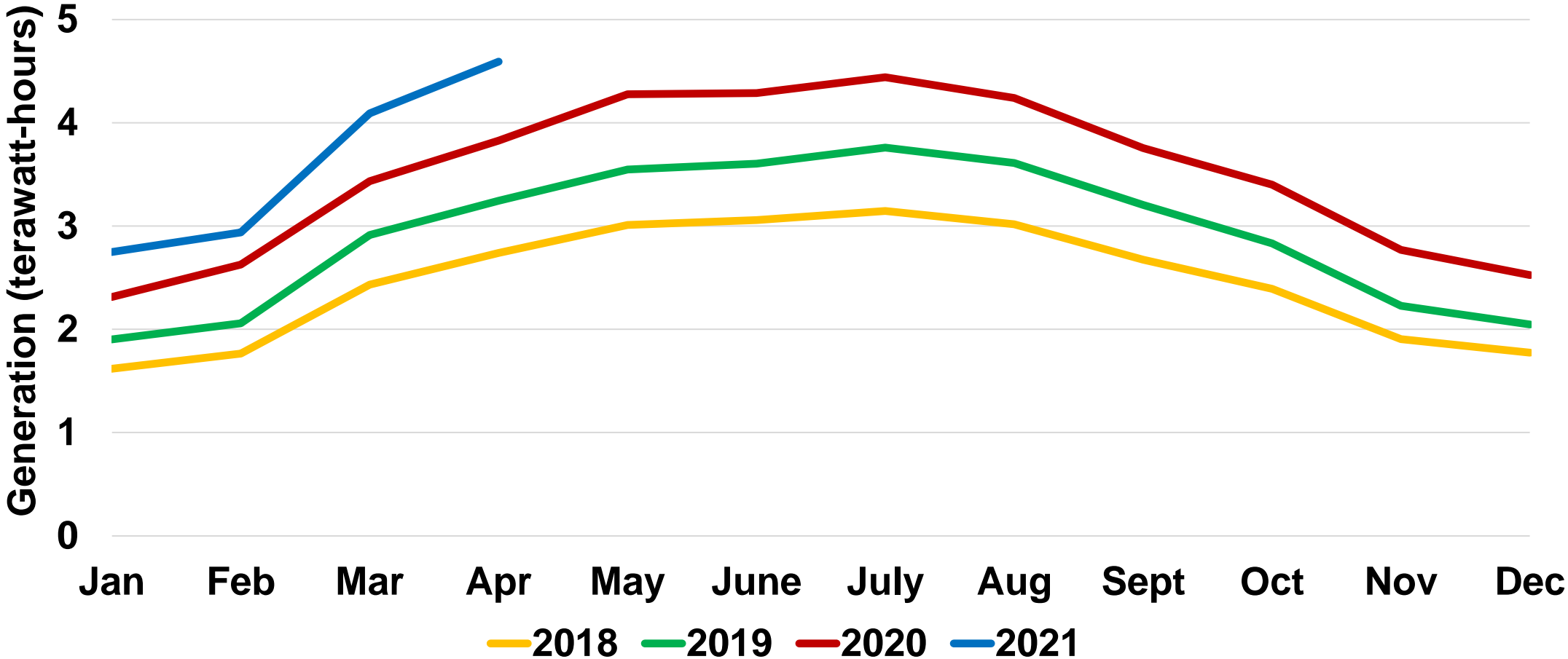


Utility PV Electricity Generation Year-on-Year (through April 2021)

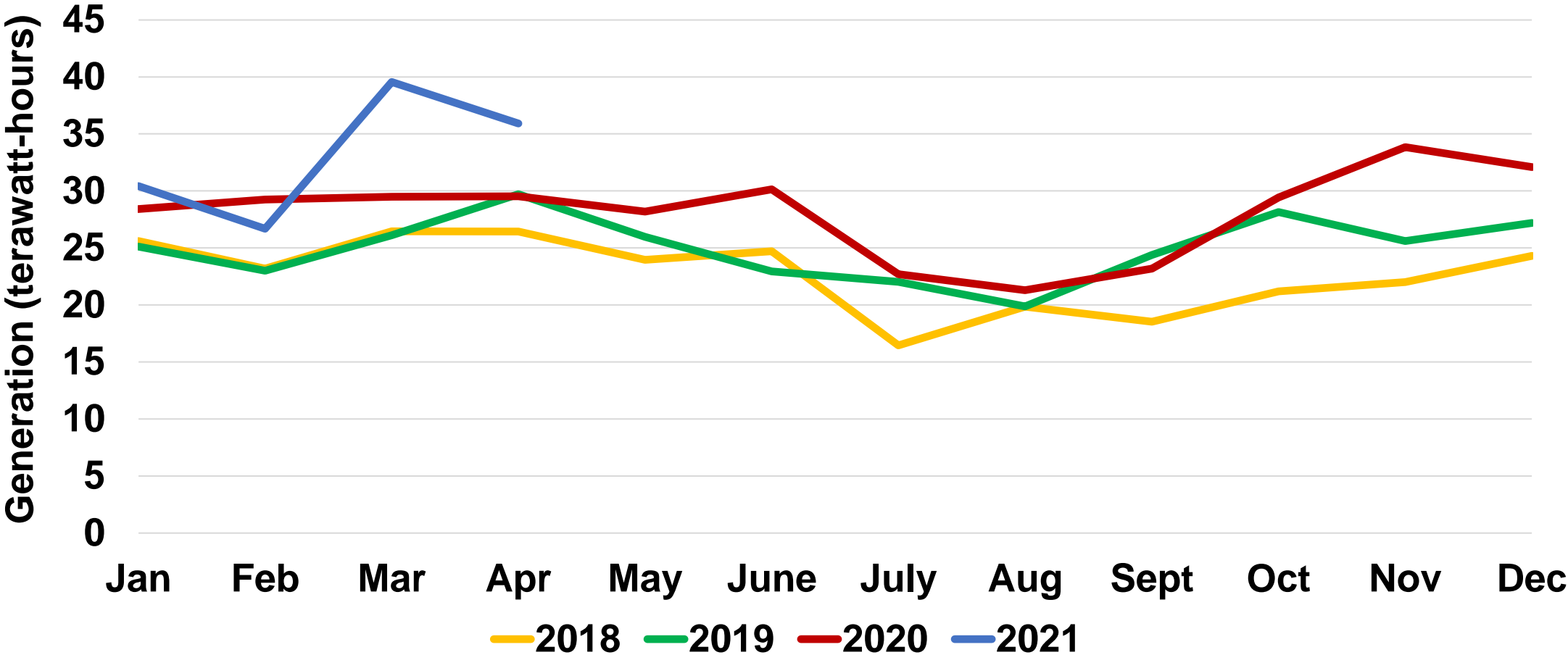


Note: PV Utility is greater than 1.0 MW

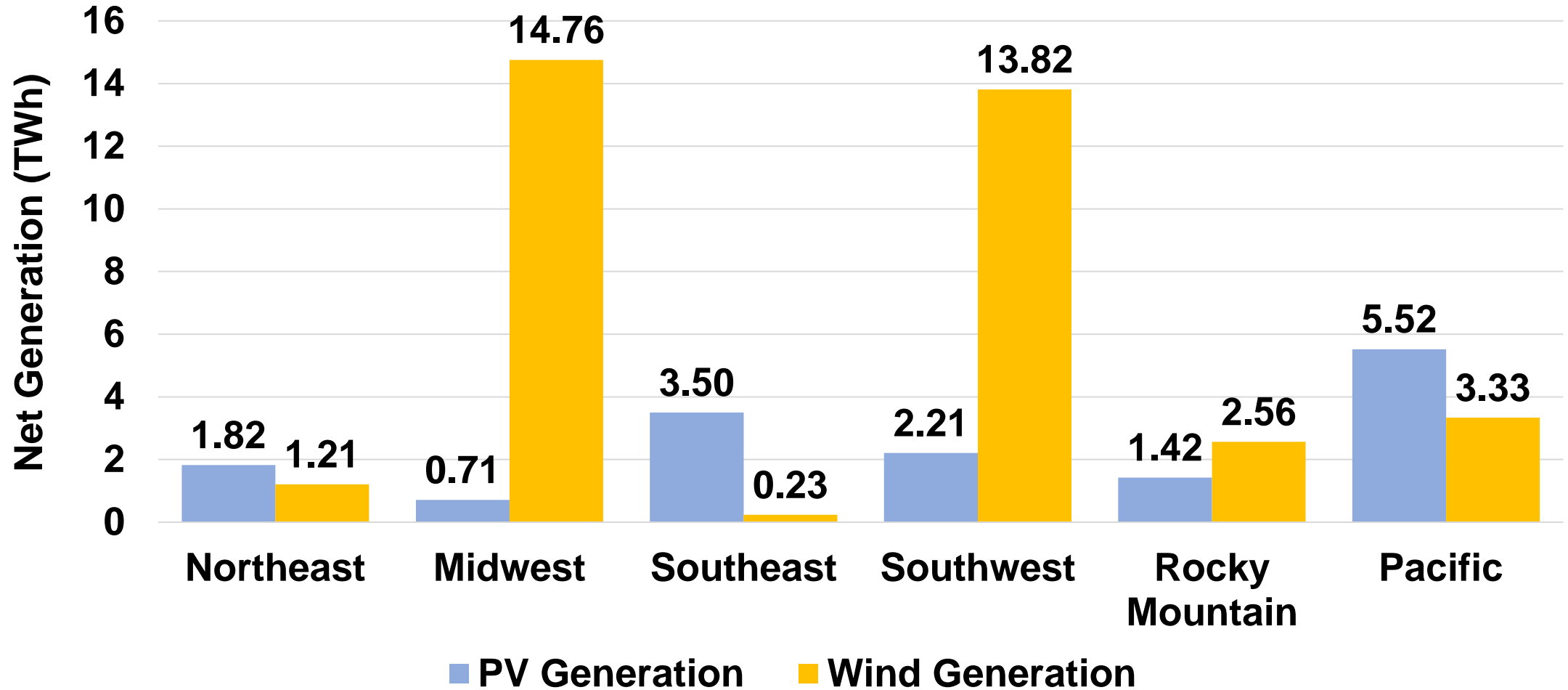
Small PV Electricity Generation Year-on-Year (through April 2021)



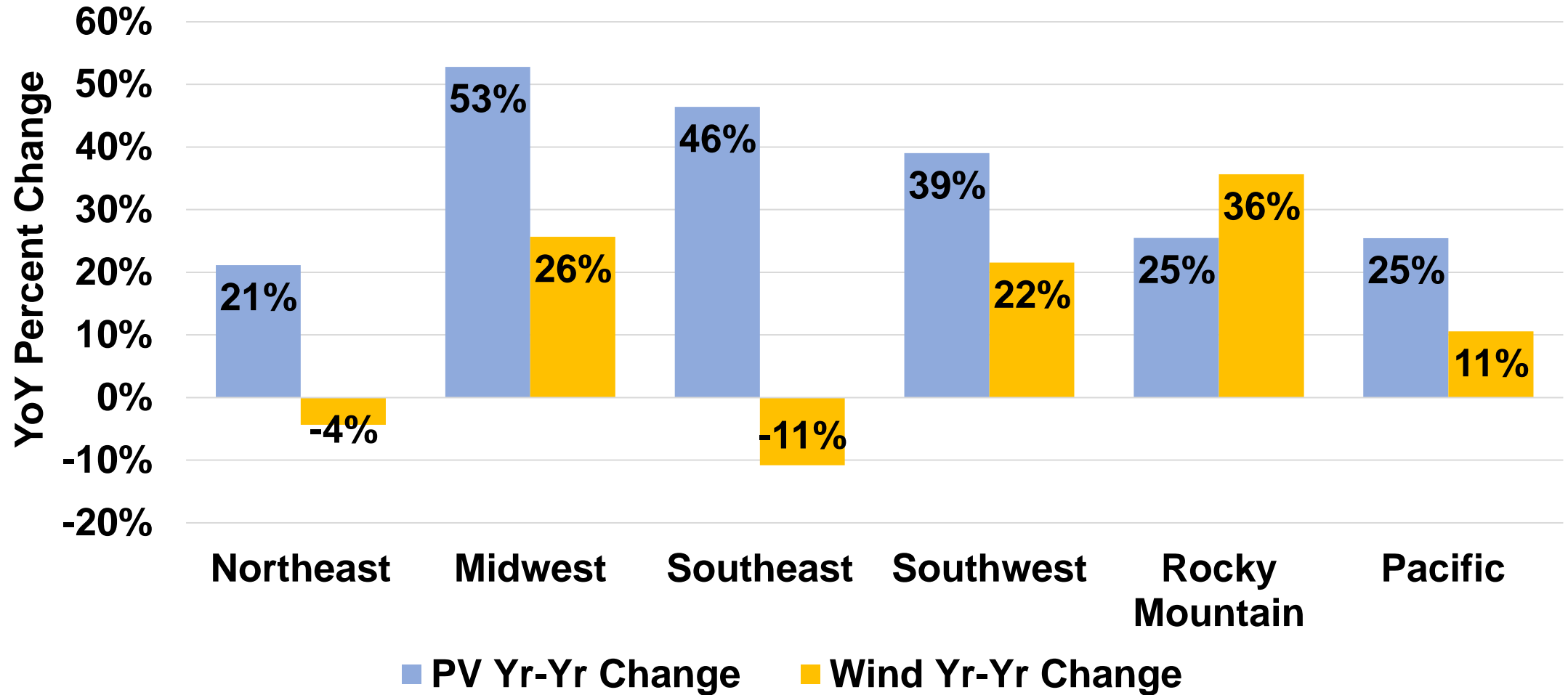
Wind Electricity Generation Year-on-Year (through April 2021)



Regional PV & Wind Electricity Generation April 2021



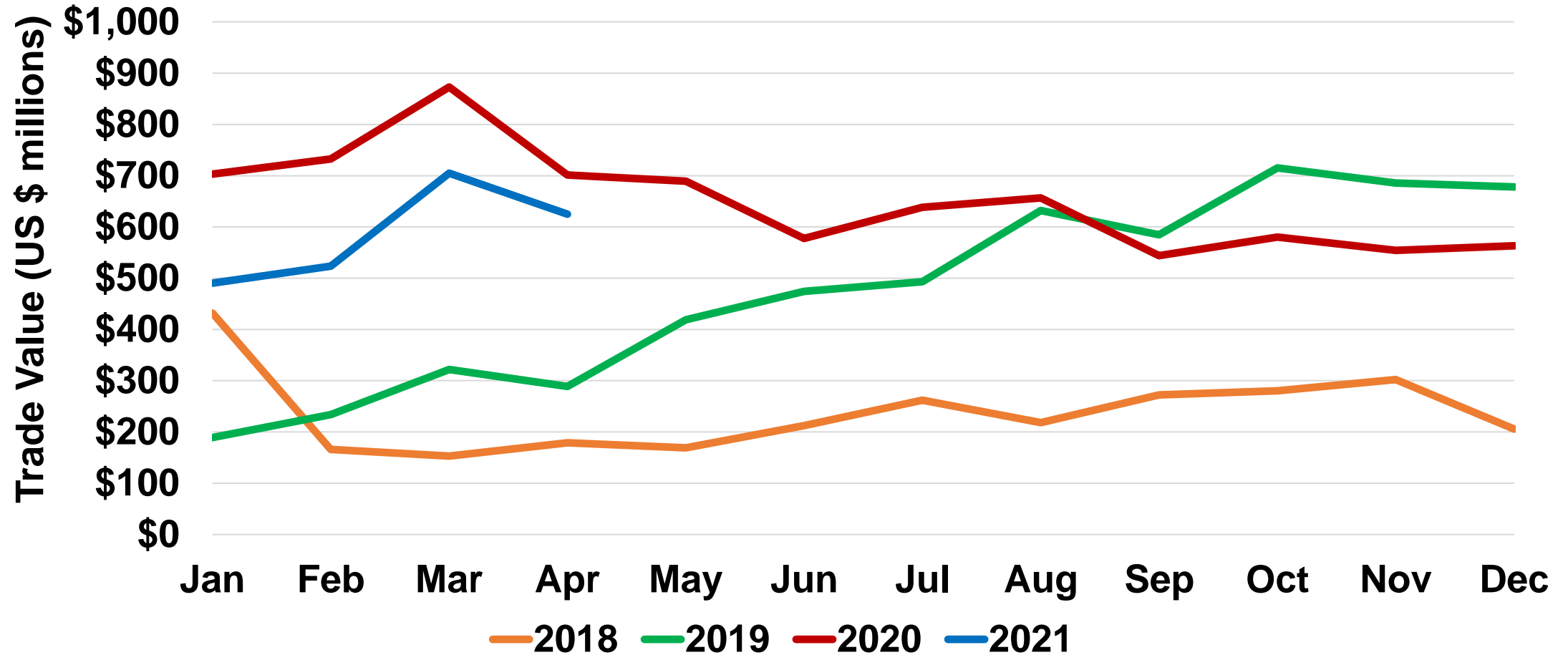
Regional PV & Wind Electricity Generation Year-on-Year Change (April 2020 – April 2021)



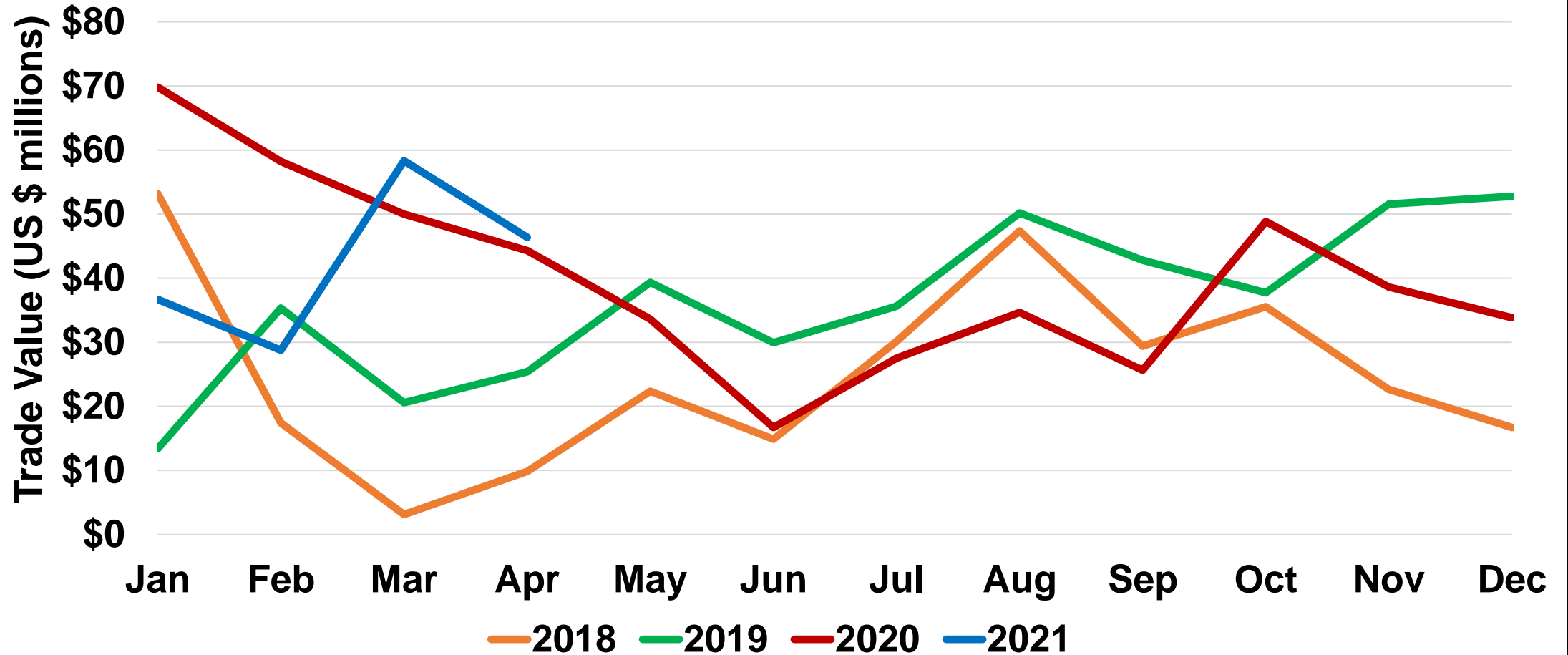


U.S. PV Trade (Cells and Panels)

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



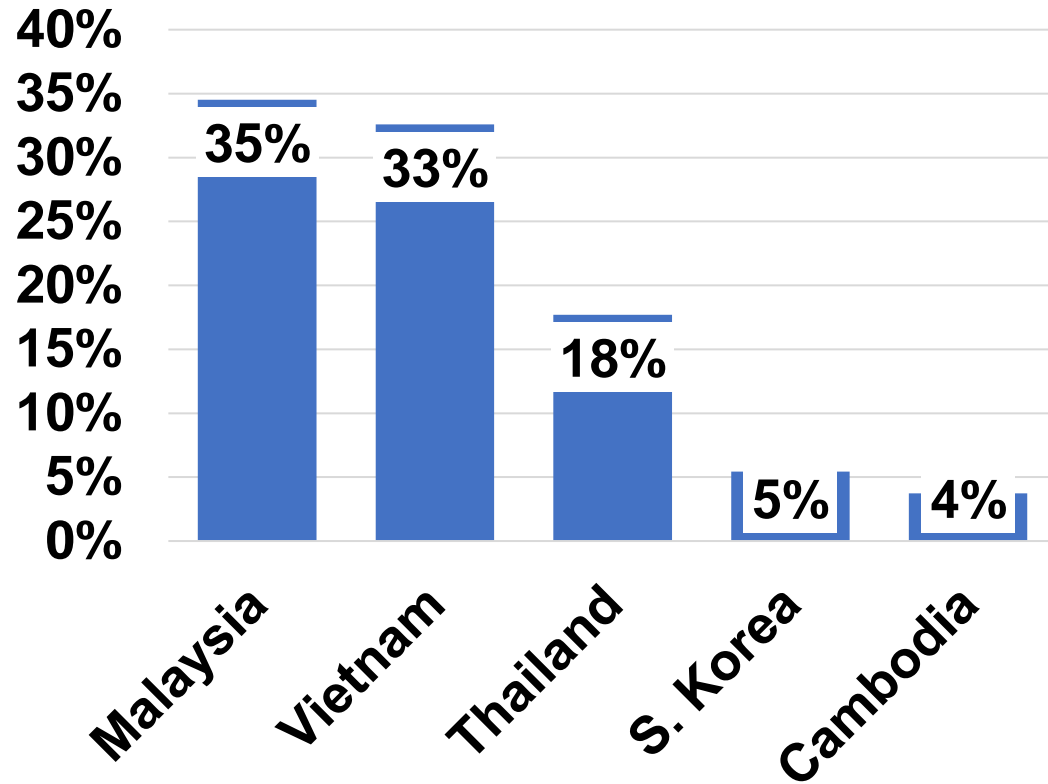
U.S. Year-on-Year PV Cell Imports (through April 2021)



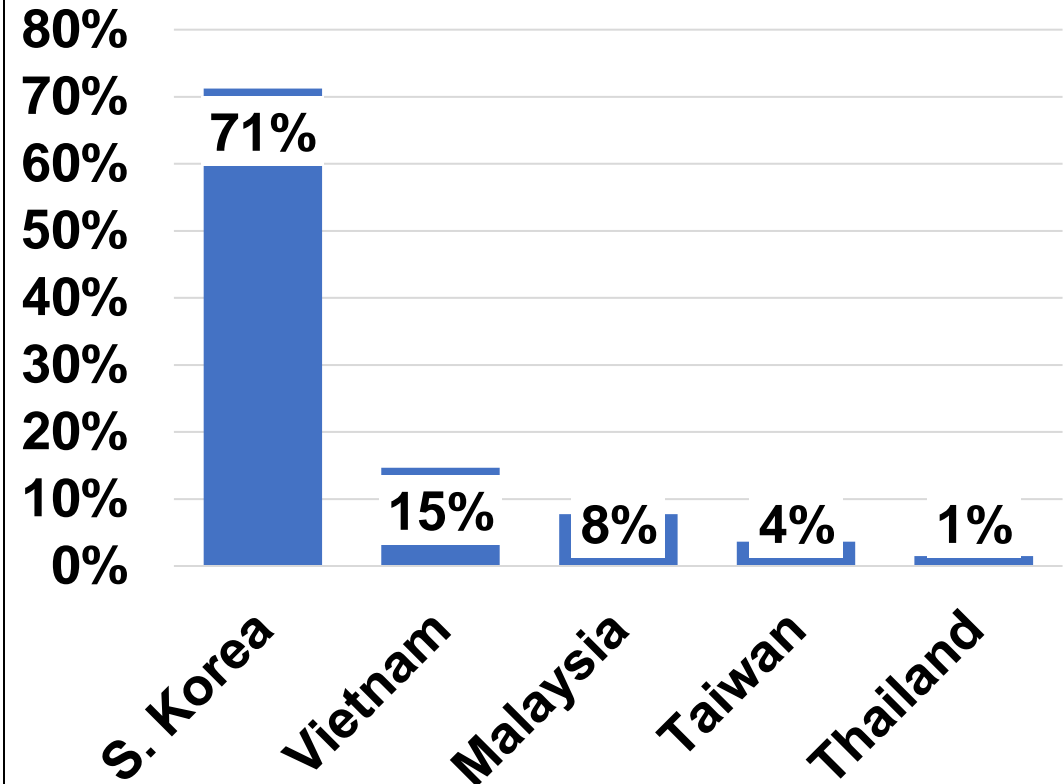
Monthly U.S. PV Panel and Cell Imports by Country April 2021



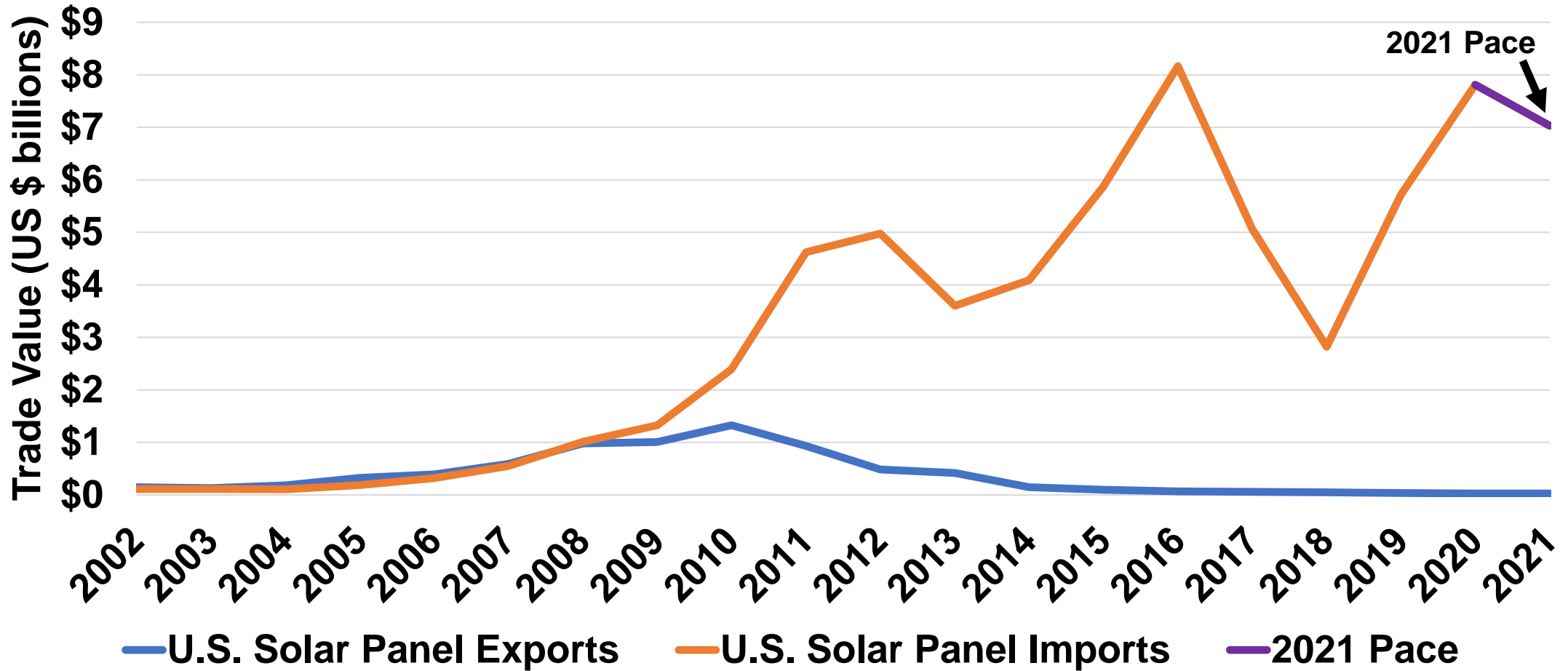
U.S. PV Panel Imports by Country



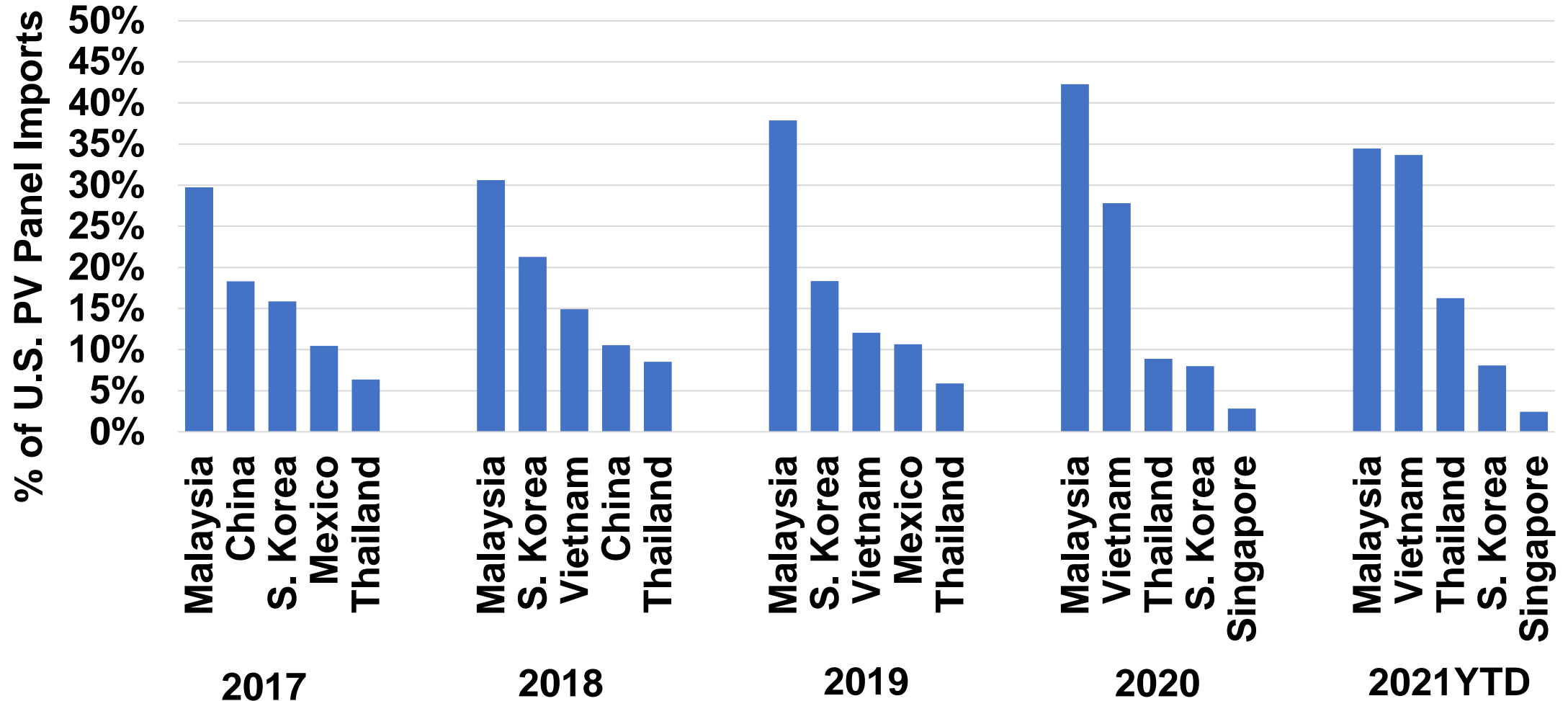
U.S. PV Cell Imports by Country



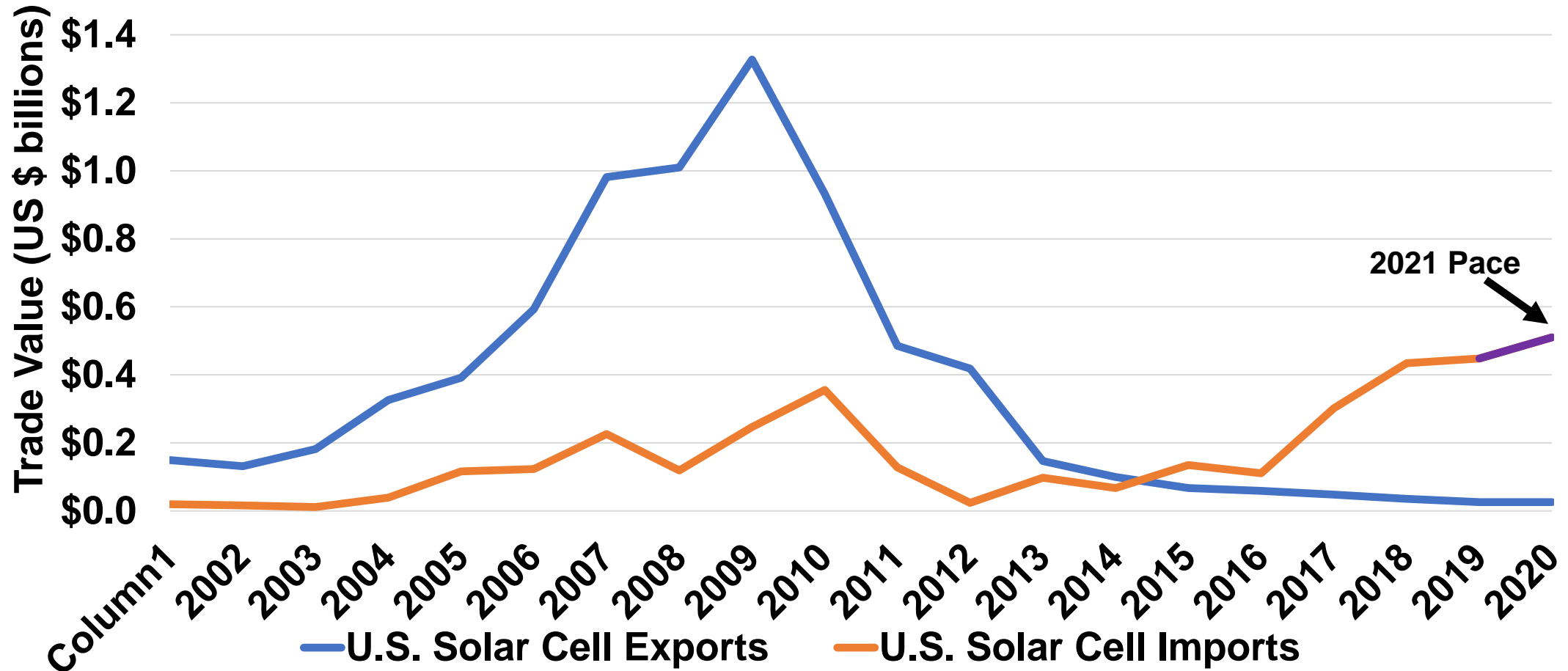
U.S. Annual PV Panel Trade through April 2021



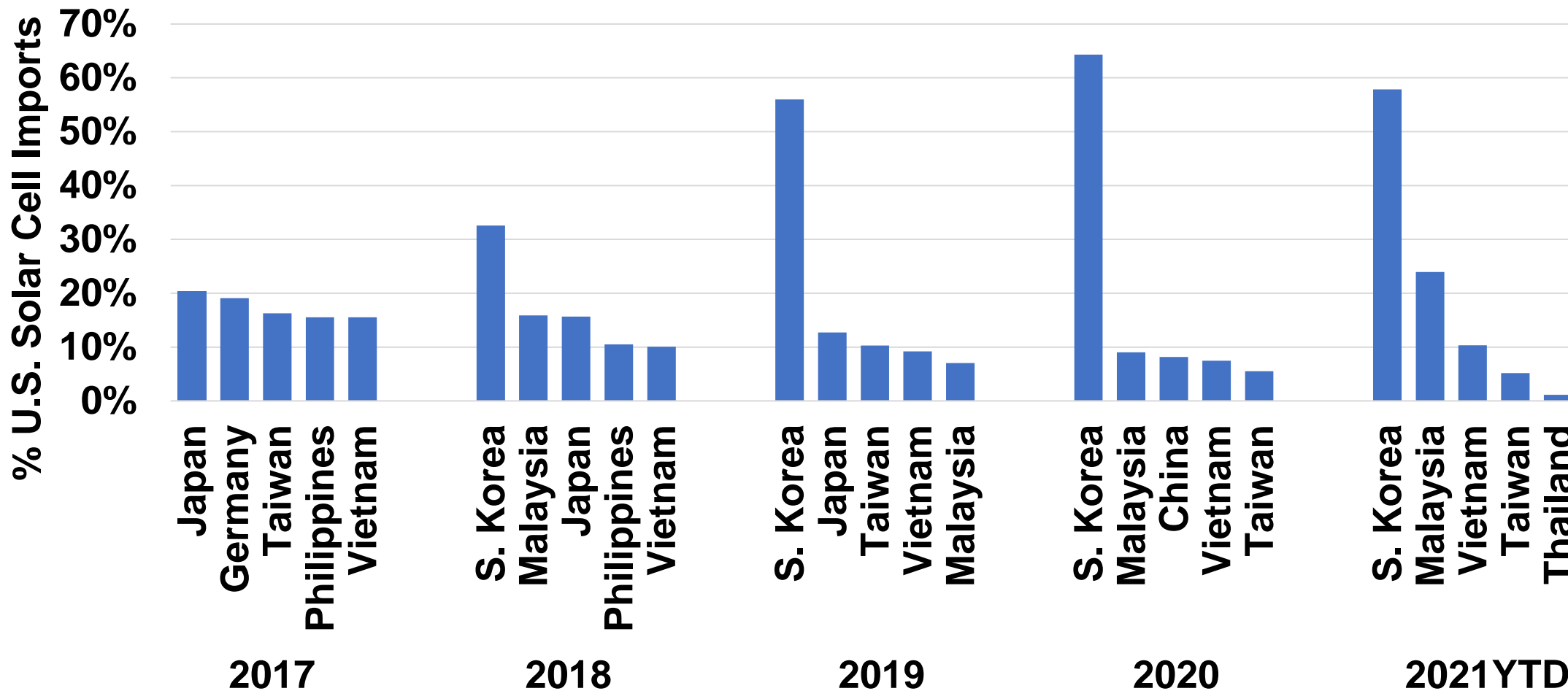
Annual U.S. PV Panel Imports Rank Order of Countries through April 2021



Annual U.S. PV Cell Trade through April 2021



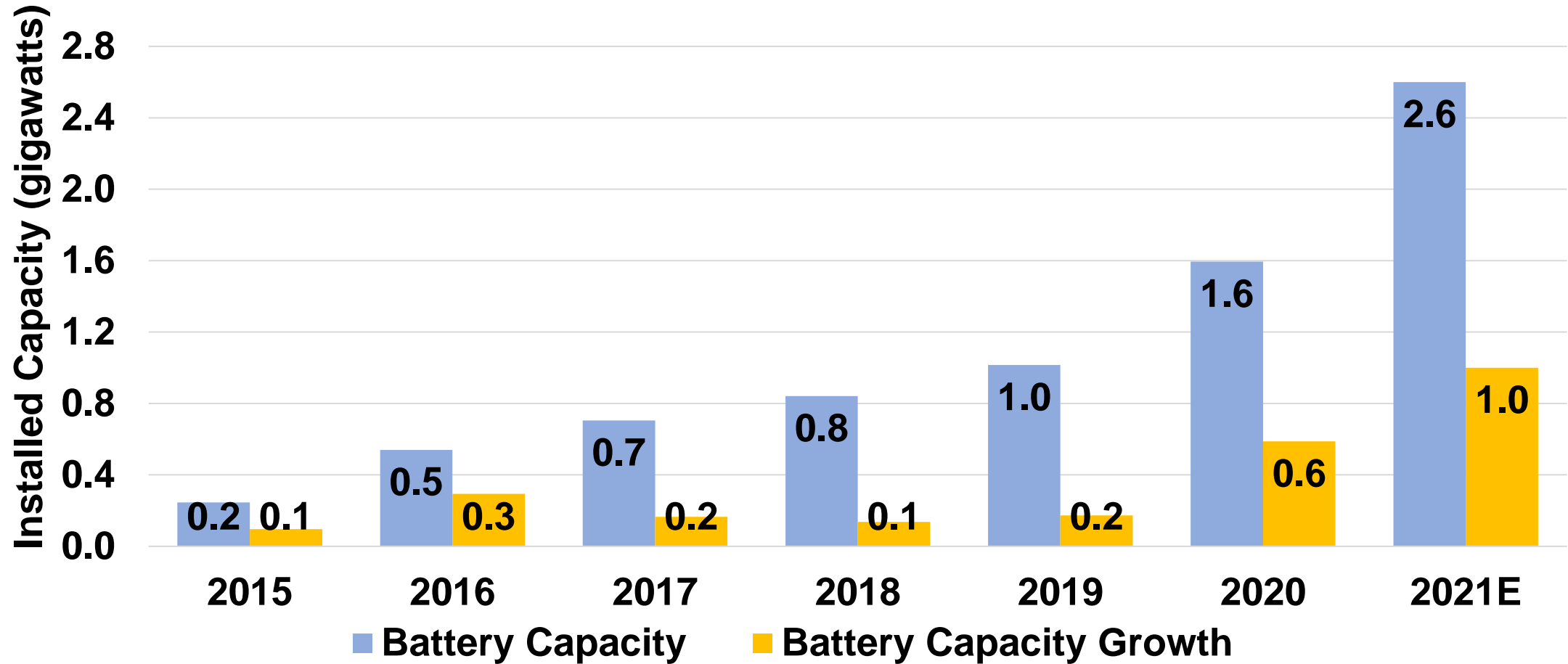
U.S. PV Cell Imports Rank Order of Countries through April 2021



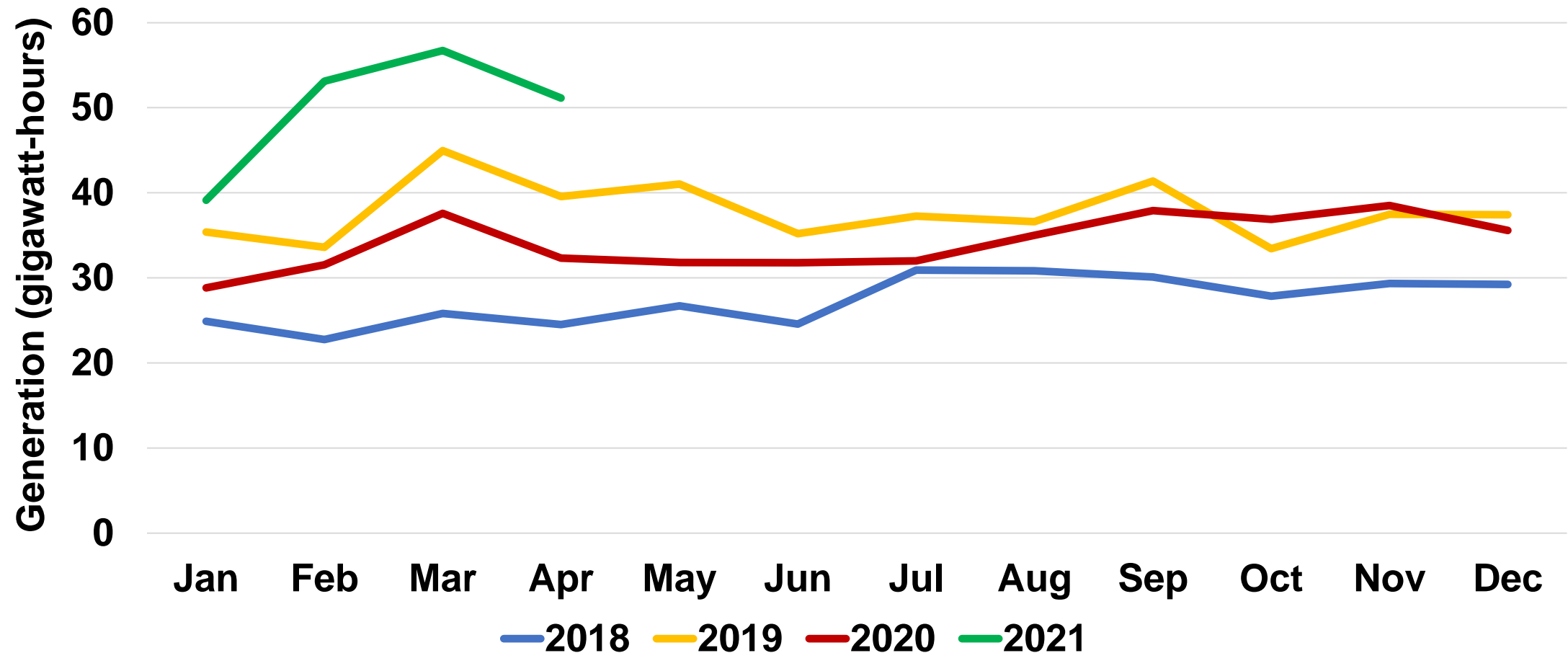


U.S. Battery Storage

Battery Storage Capacity and Growth – 2021 Forecast



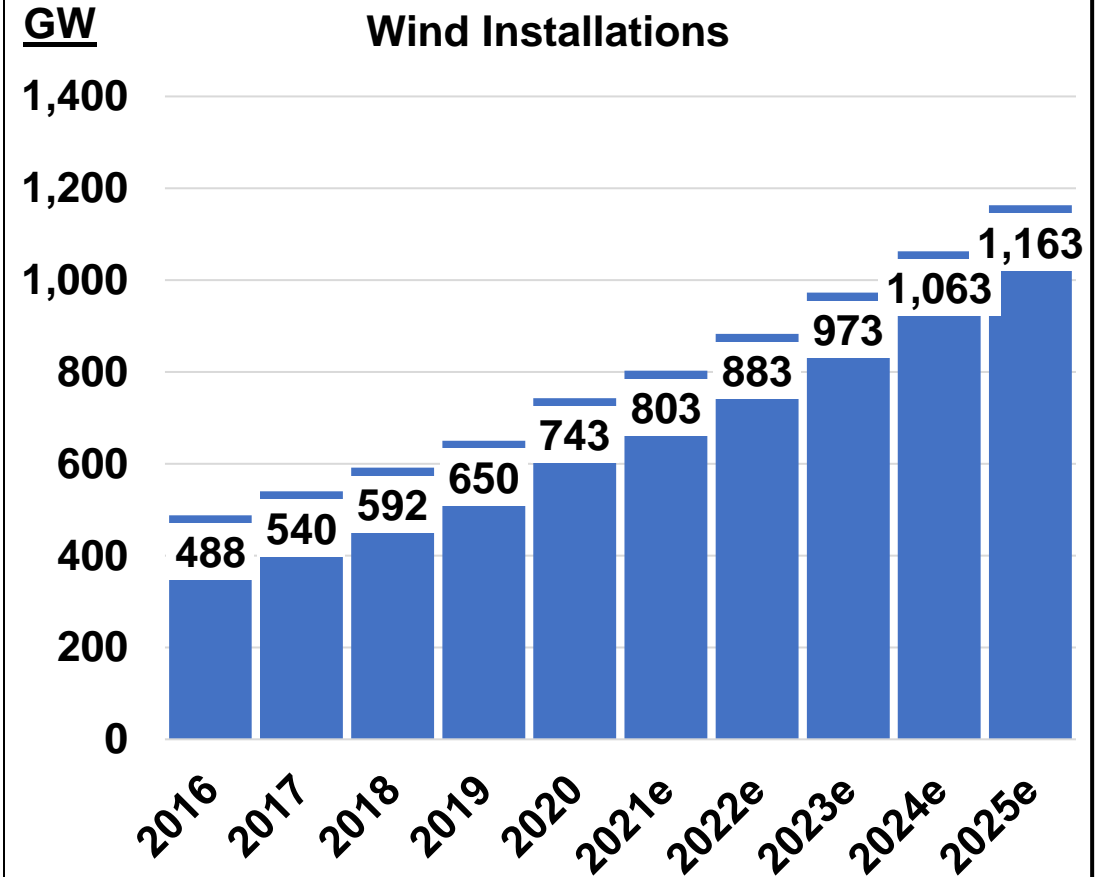
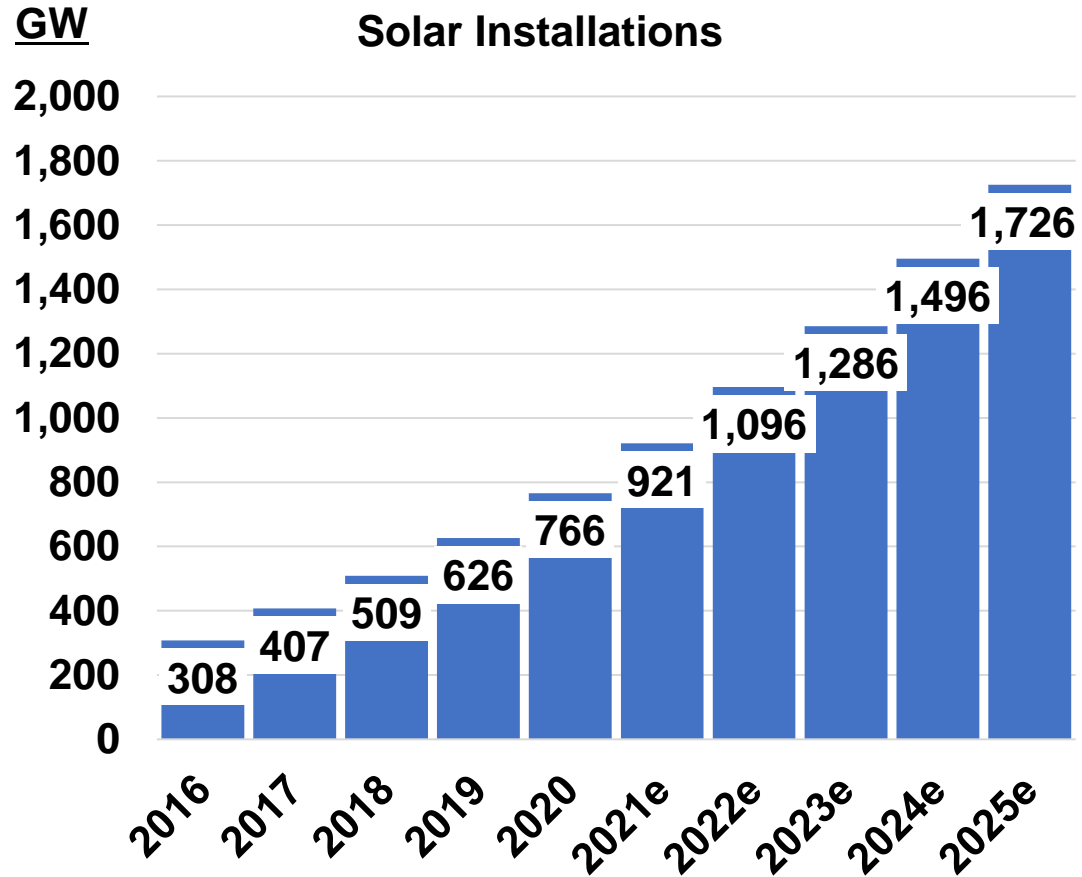
Battery Stored Electricity Generation Year-on-Year (through April 2021)



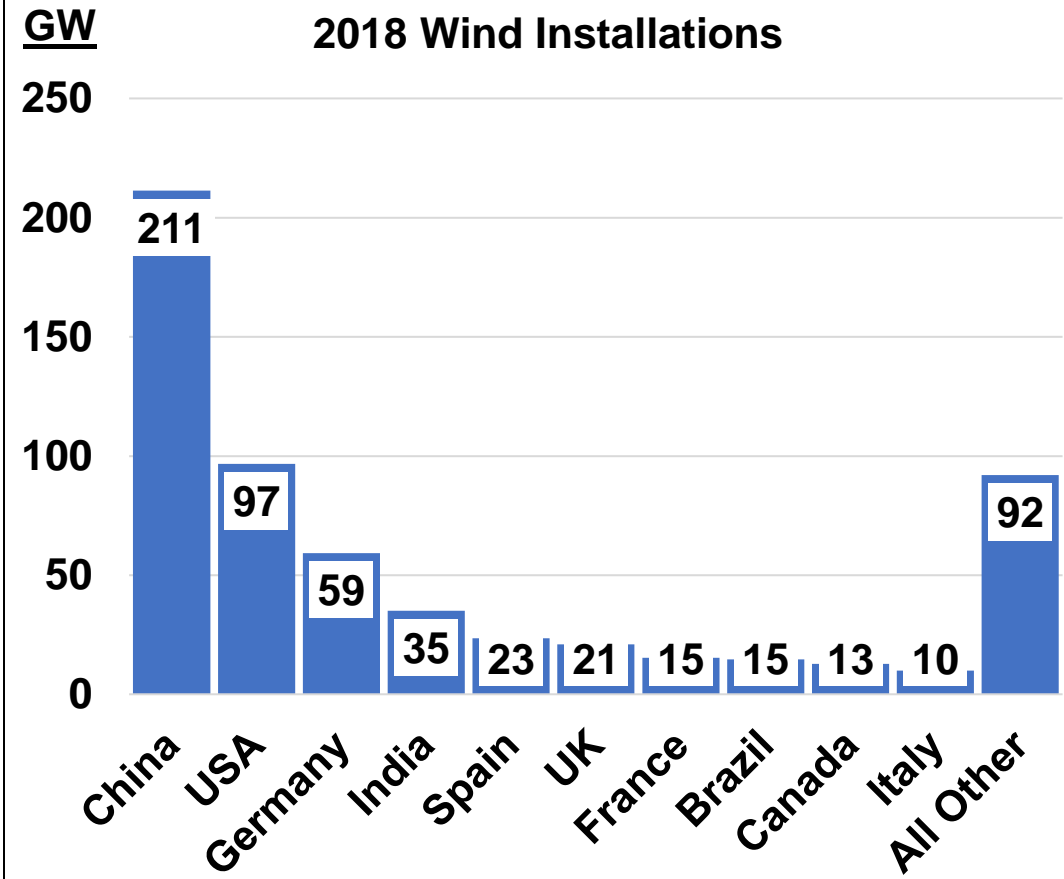
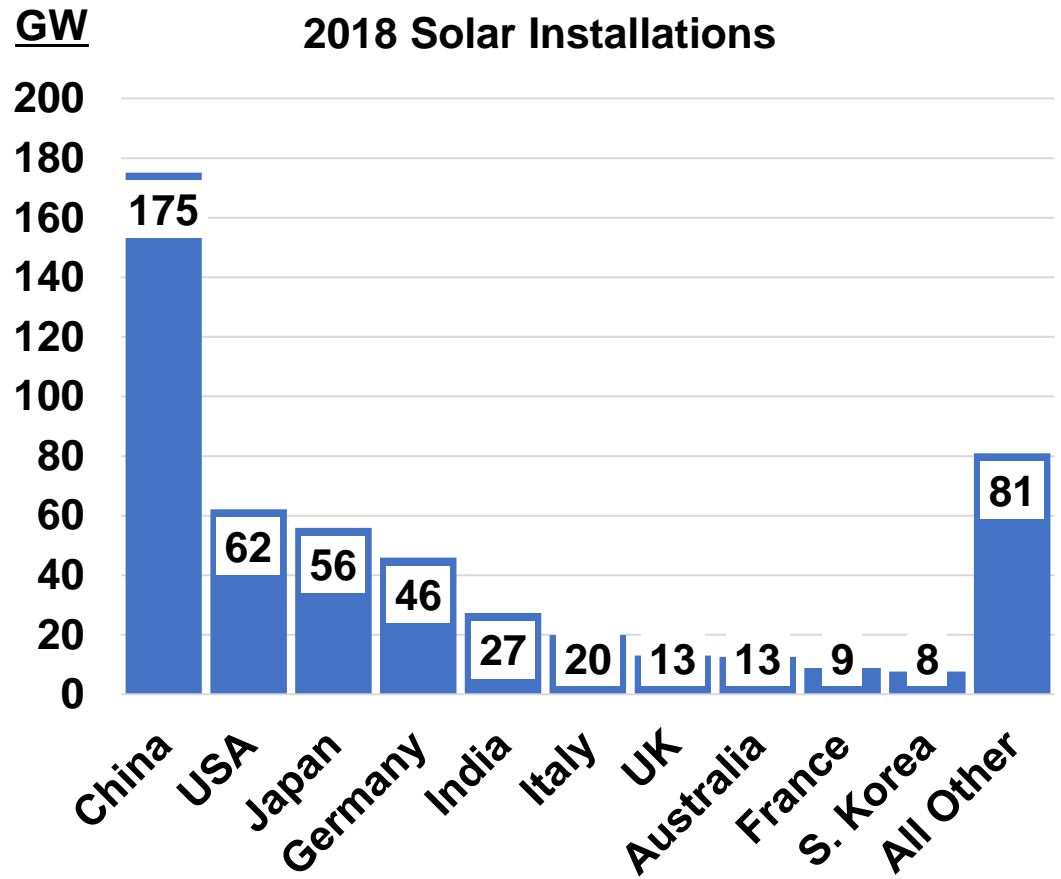


Global Solar and Wind

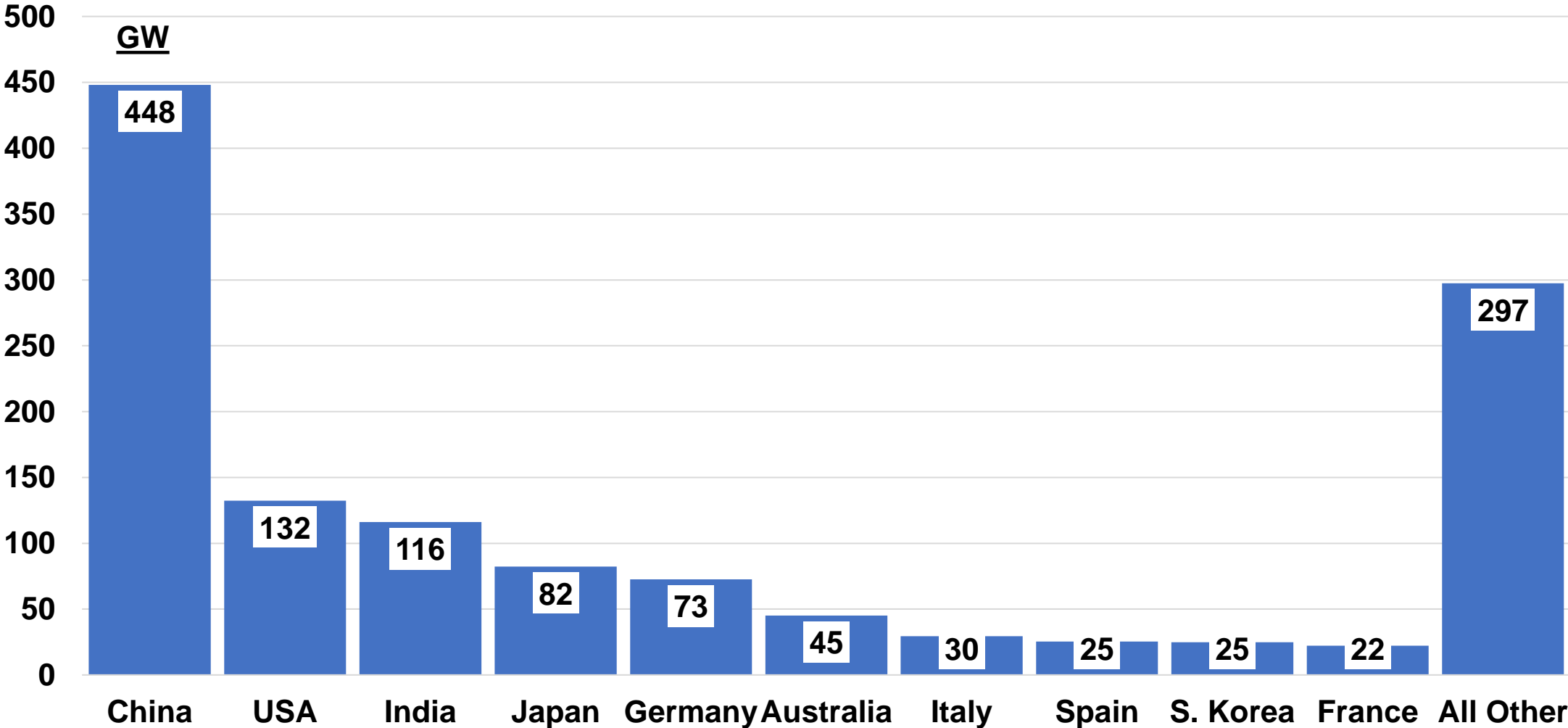
World Cumulative Solar and Wind Installations



2018 Cumulative Solar and Wind Installations by Country



2023 Forecast Cumulative Solar Installations by Country

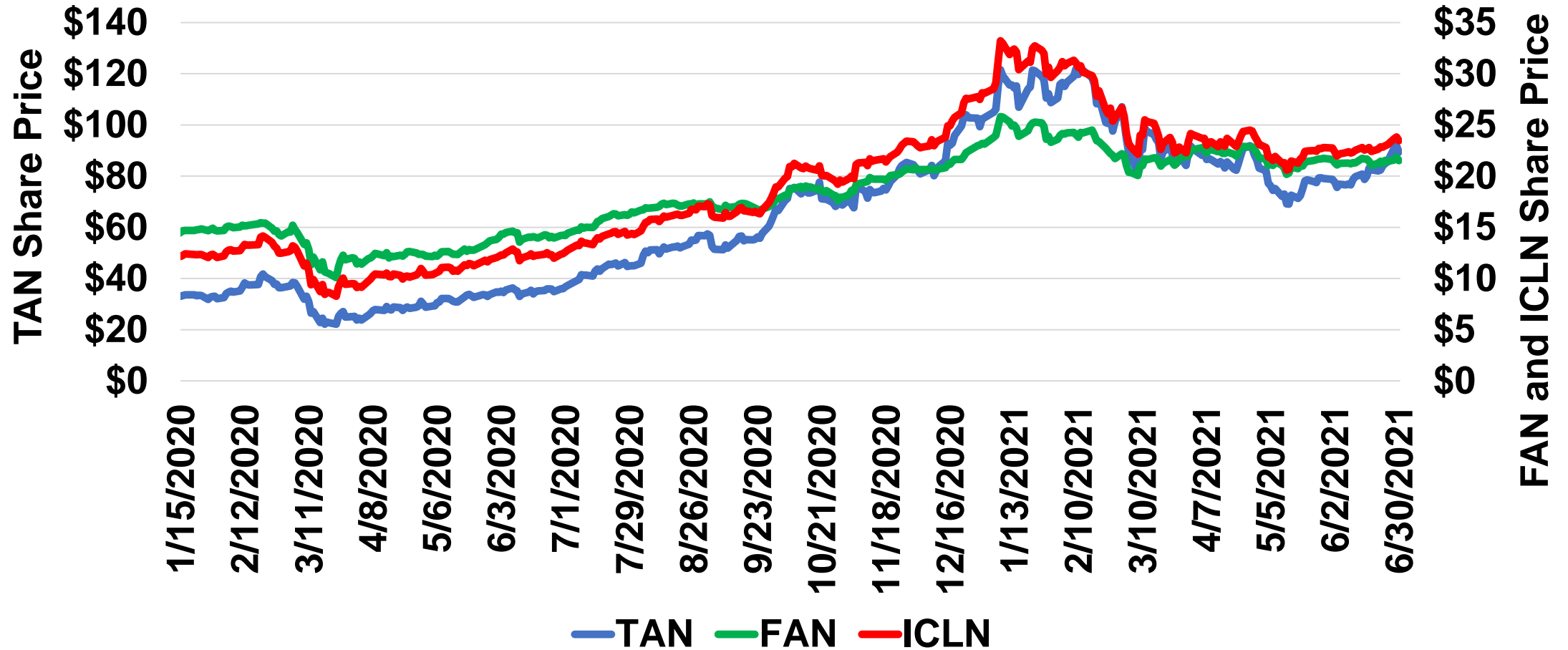




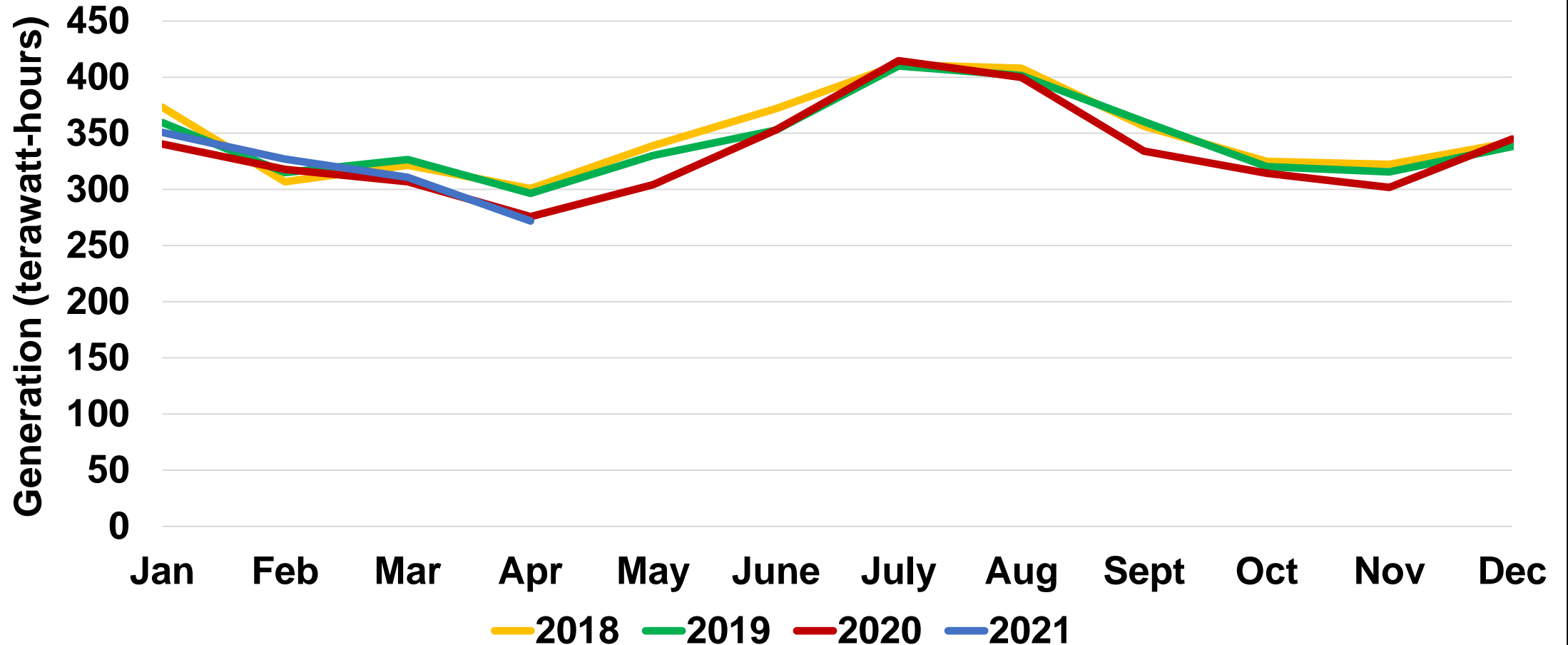
U.S. Electricity Market Overview

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

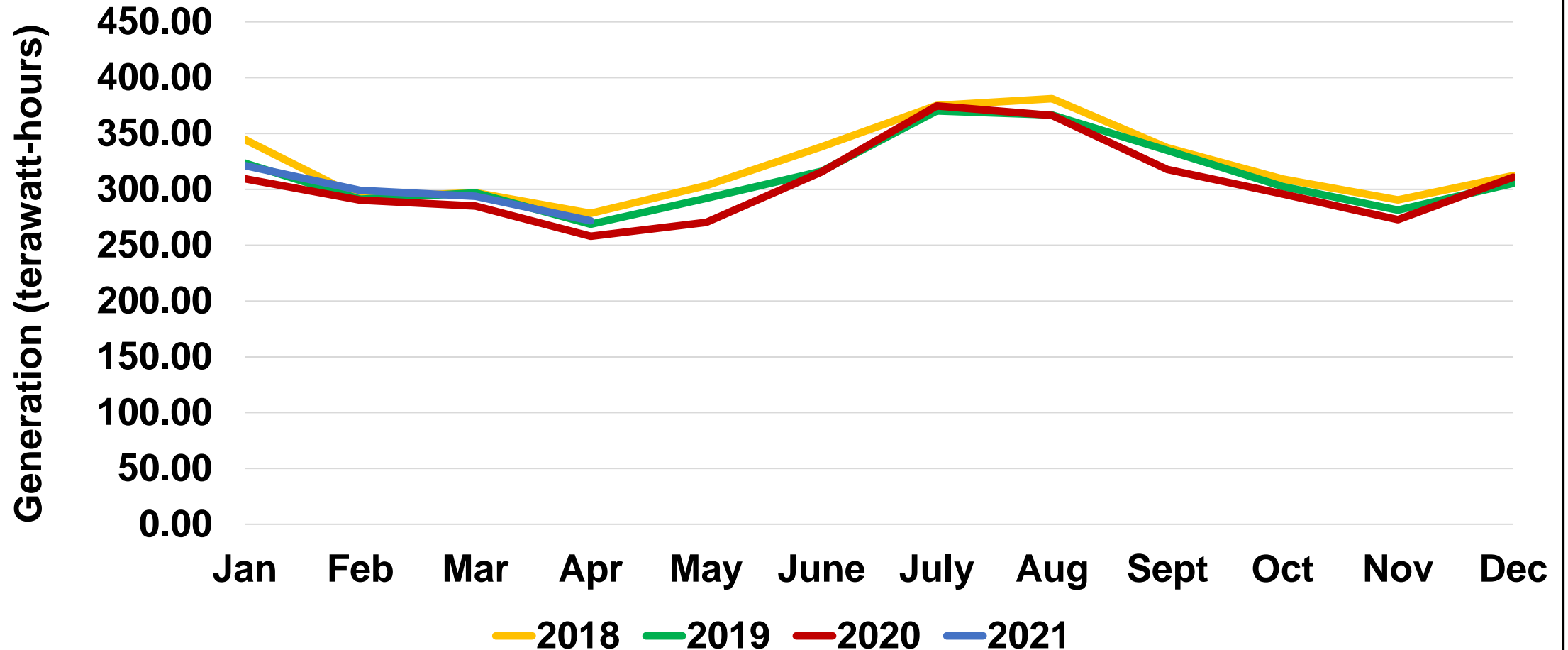
TAN, FAN and ICLN ETF Share Prices (Adjusted Close Prices through June 30, 2021)



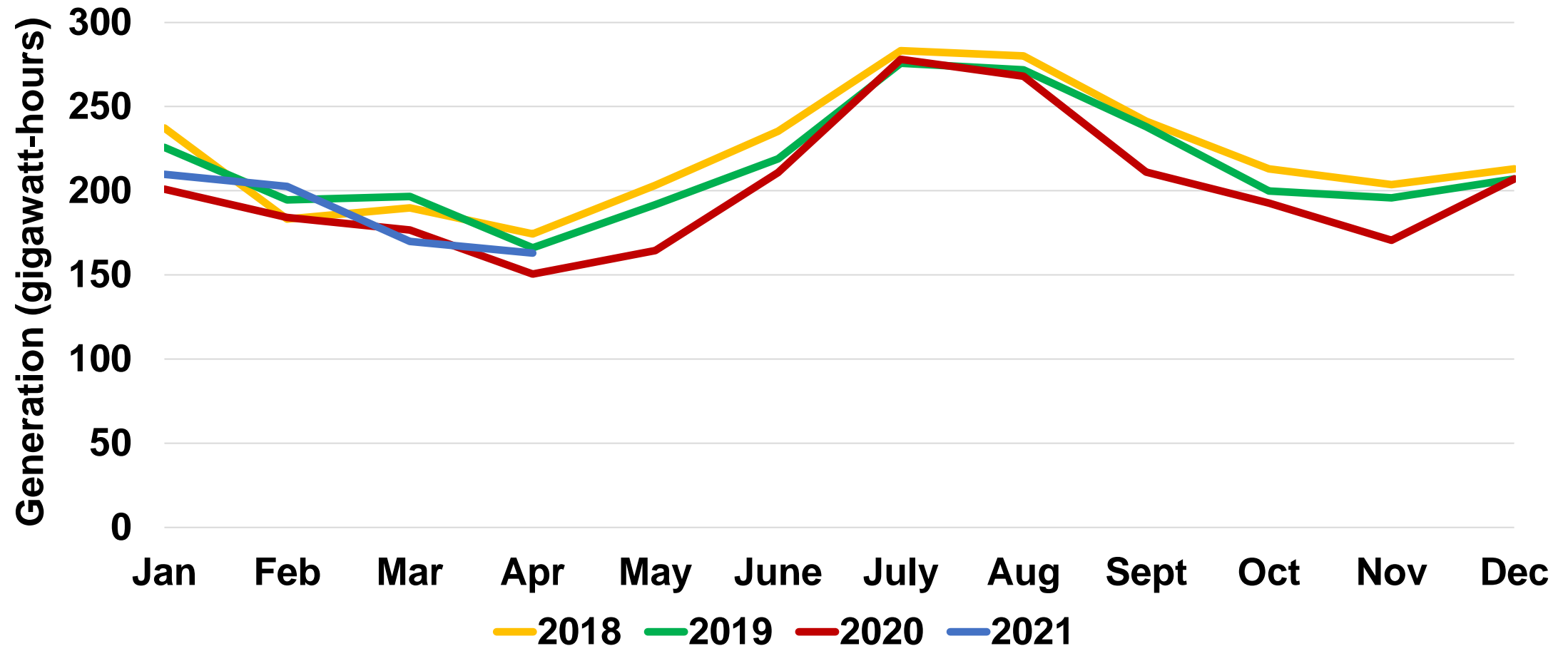
U.S. Total Electricity Supply (Generation) Year-on-Year (through April 2021)



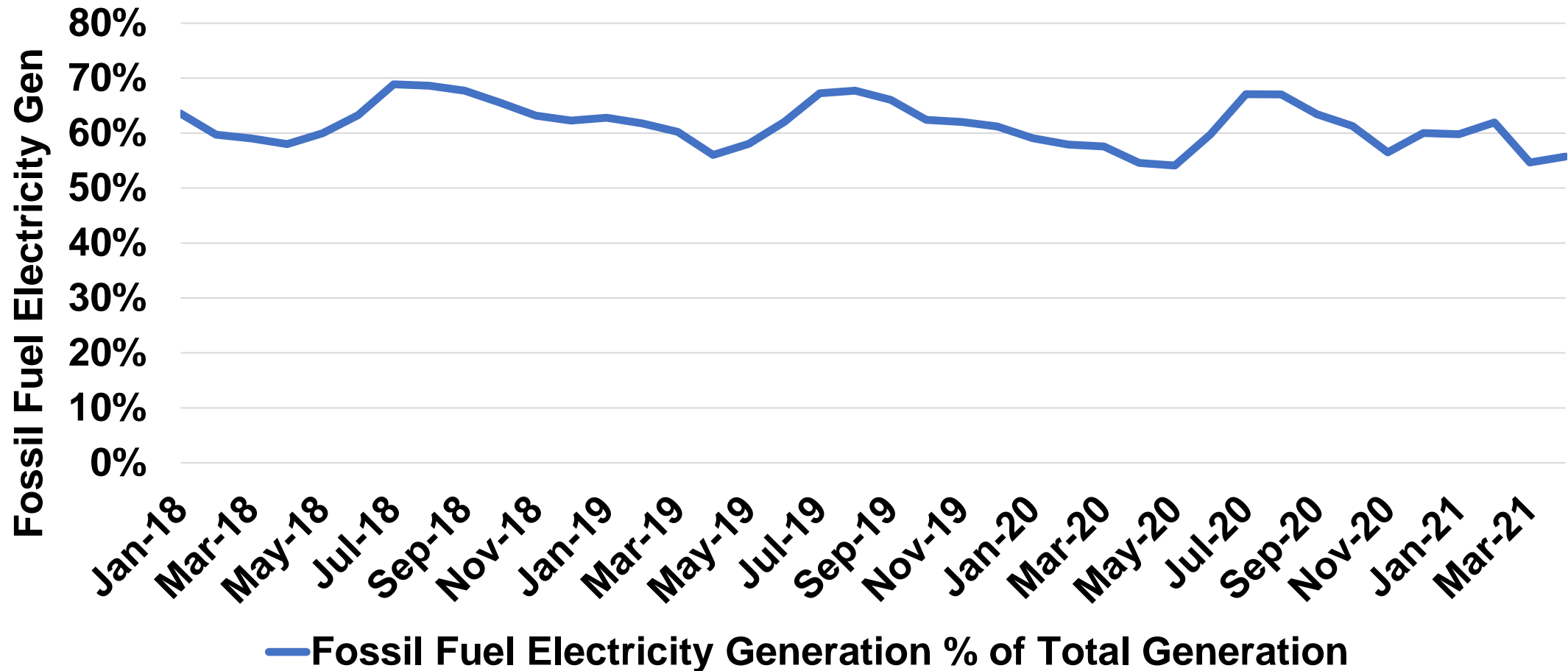
U.S. Total Electricity Demand (Retail Sales) Year-on-Year (through April 2021)



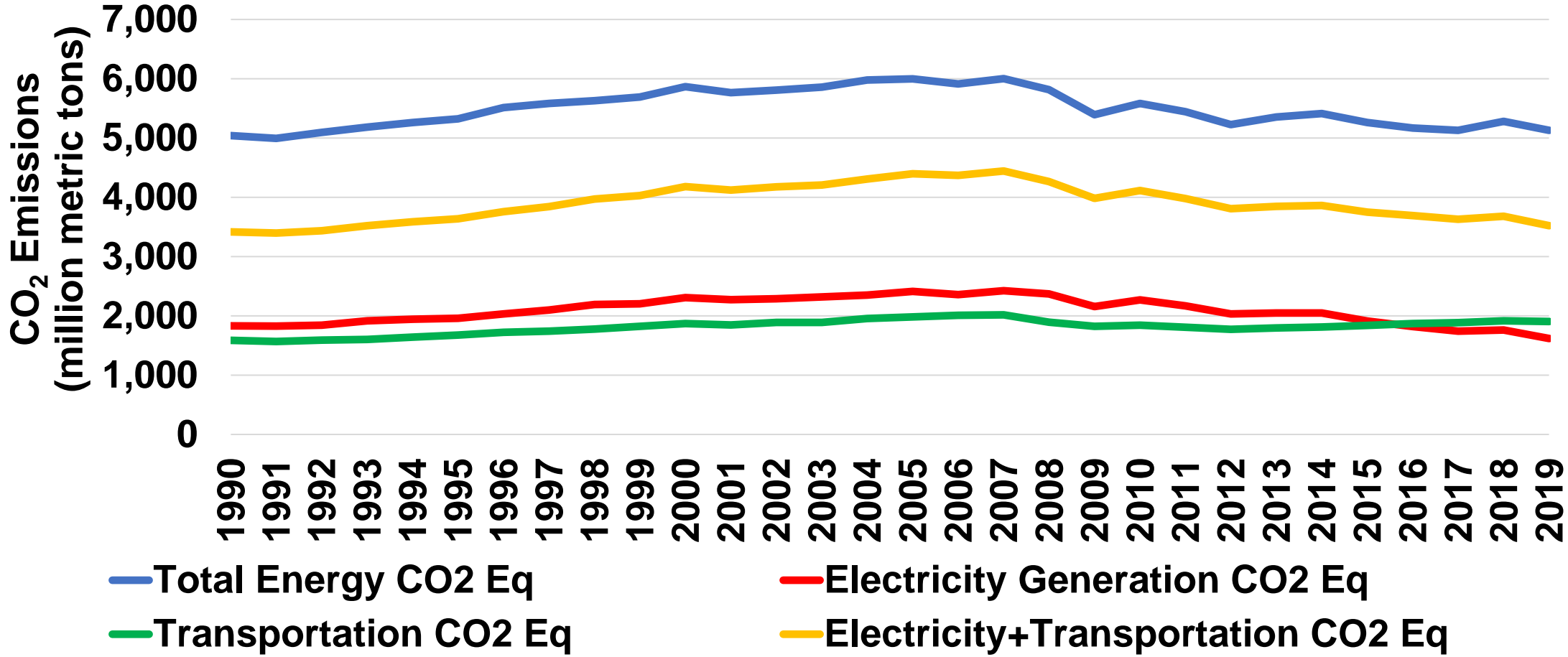
U.S. Fossil Fuel Electricity Generation Year-on-Year (through April 2021)



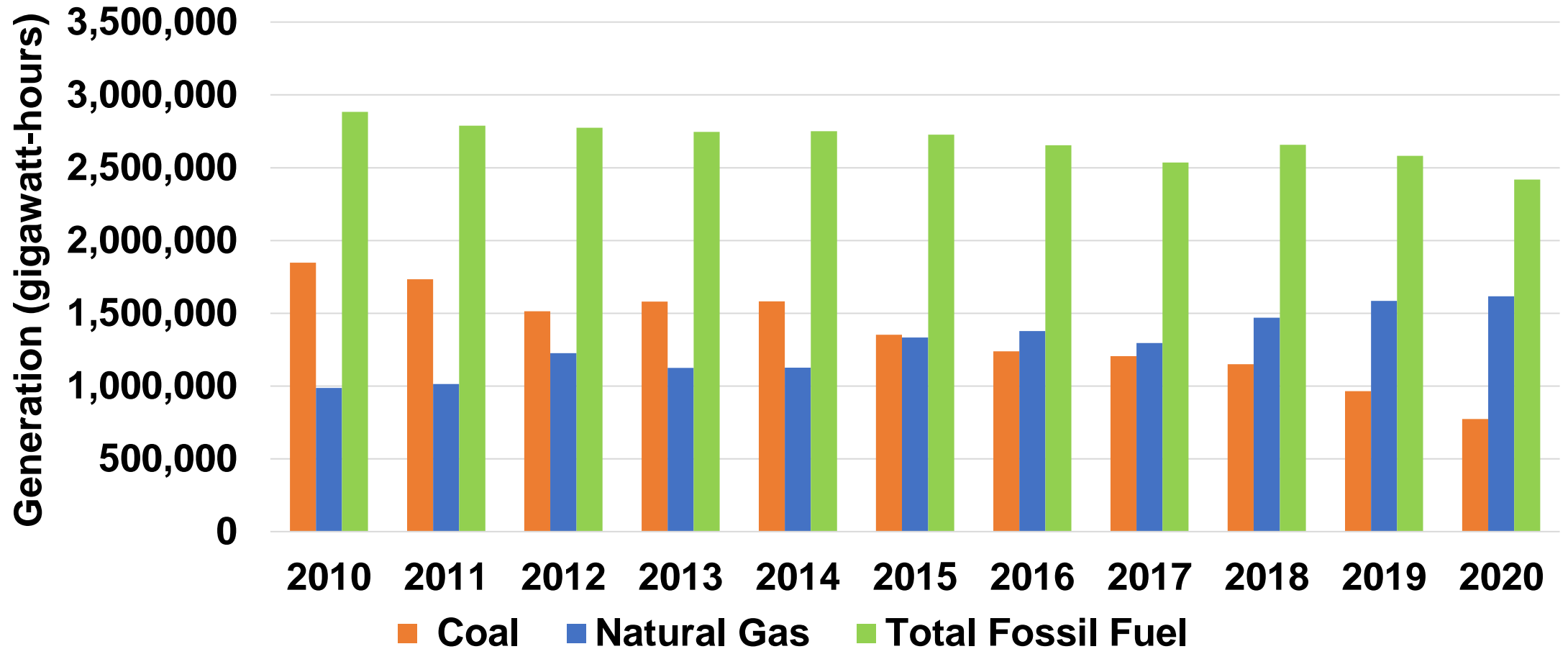
U.S. Fossil Fuel Electricity Generation % of Total Generation through April 2021



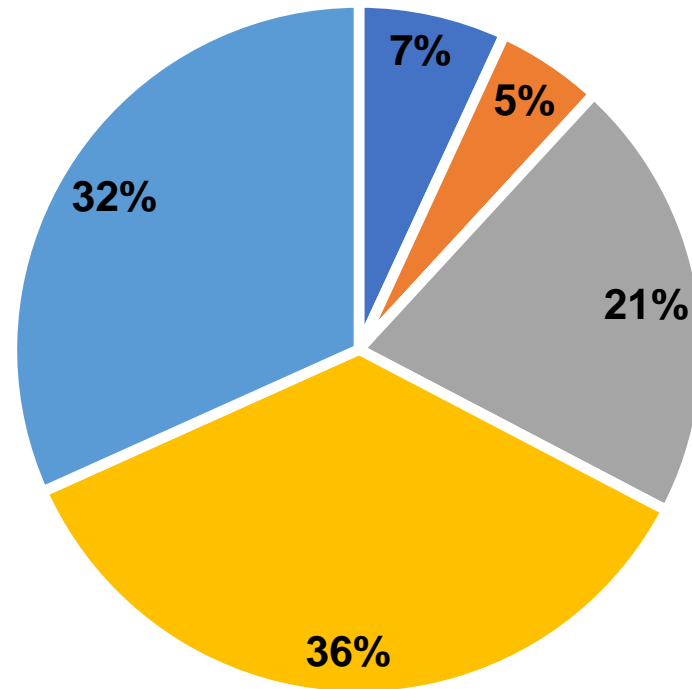
U.S. Fossil Fuel CO₂ Equivalent Emissions



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

