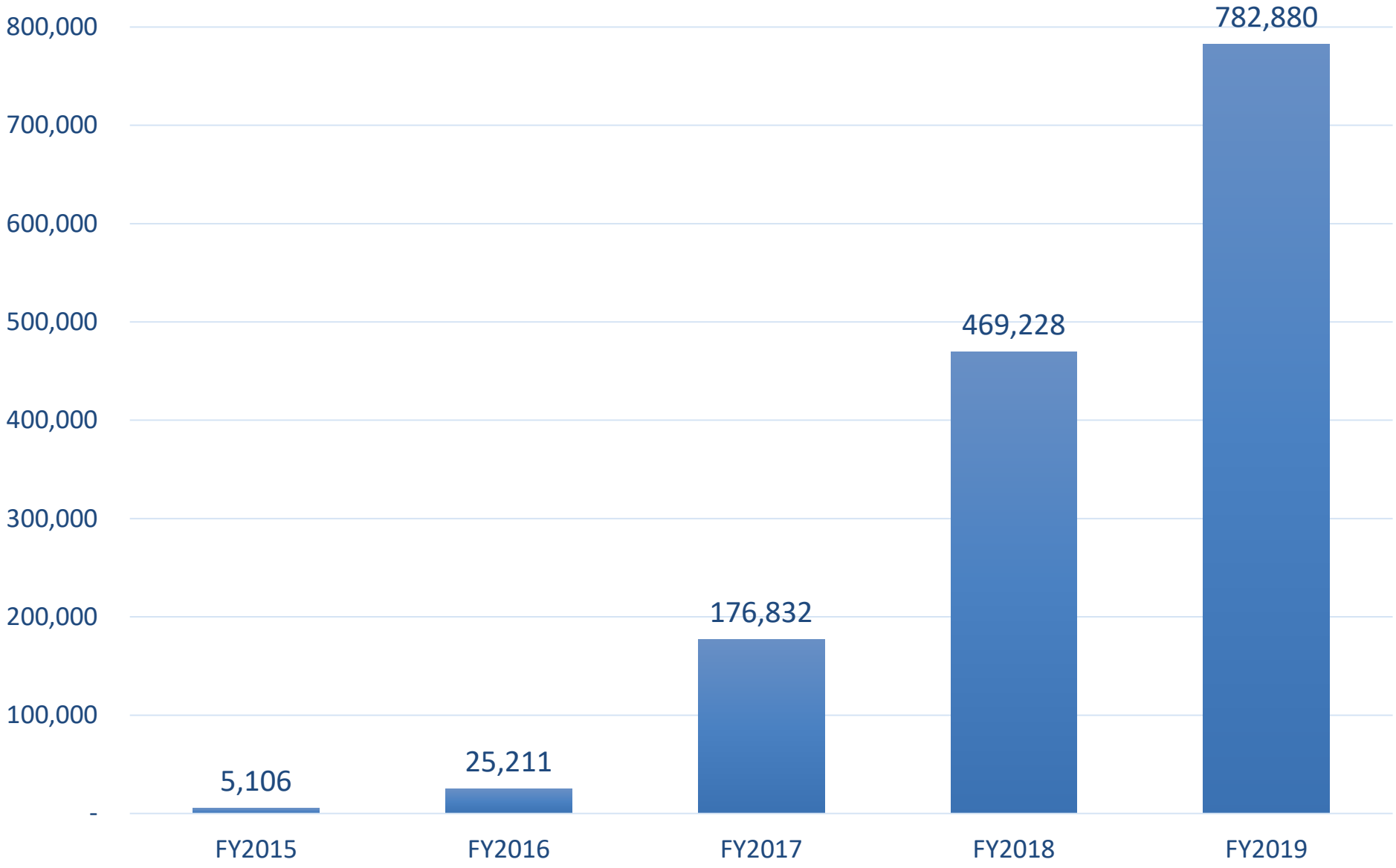
Solar Data 2019

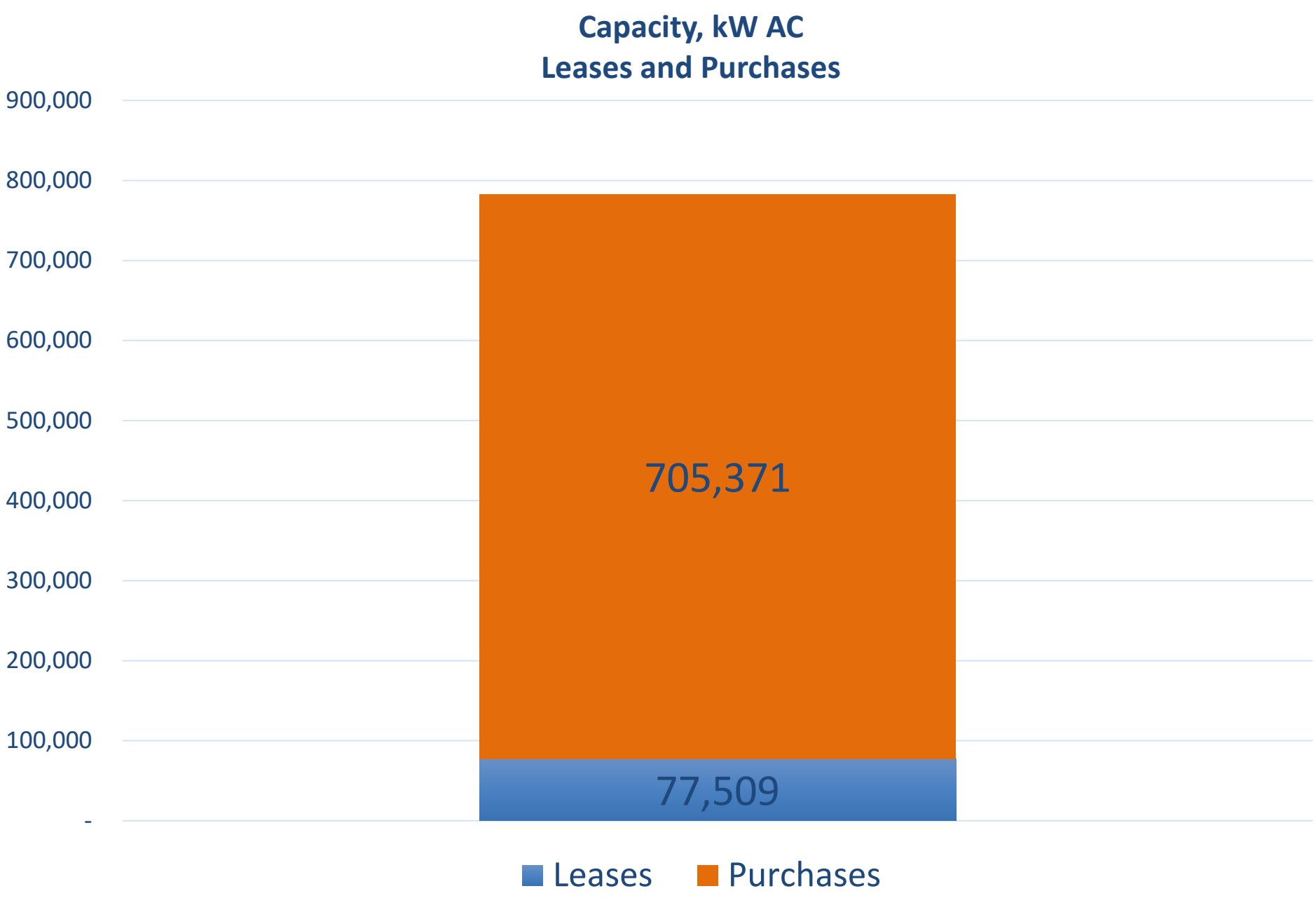
Stacey V. Washington
S.C. ORS Energy Office
October 9, 2019

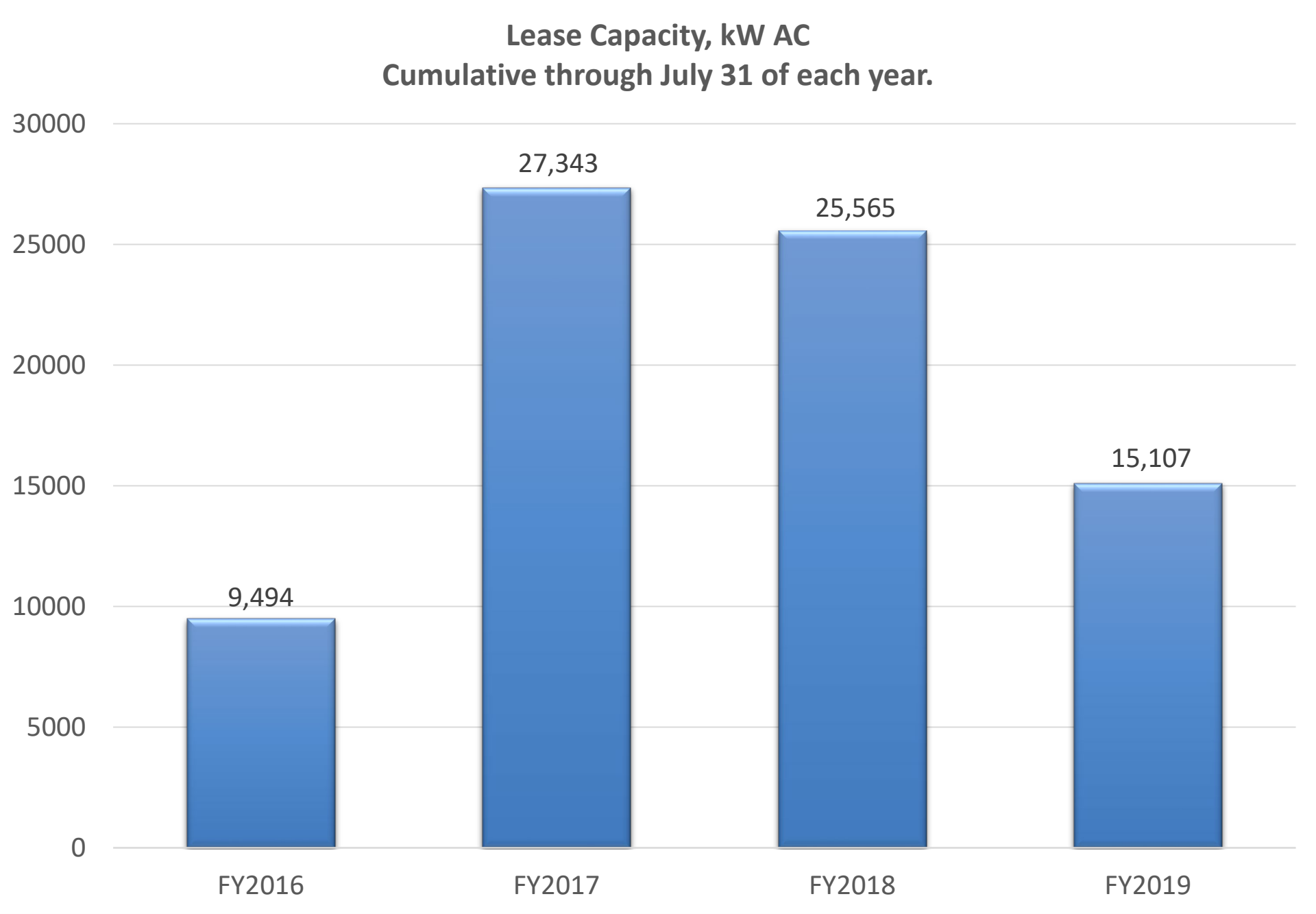
Solar Data Information

- Utility Submissions
- Through July 31, 2019

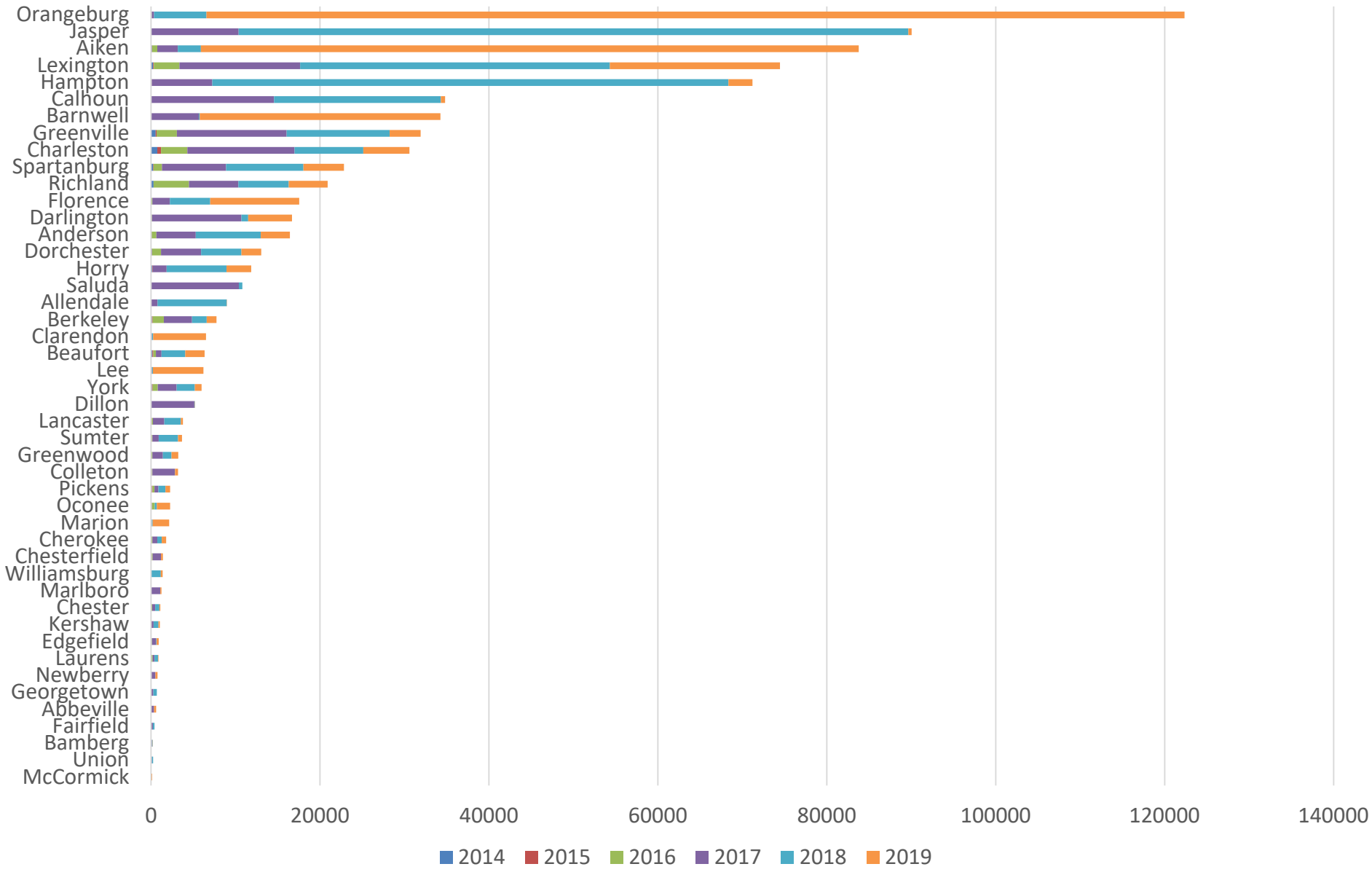
Capacity, kW AC
Cumulative through July 31 of each year.



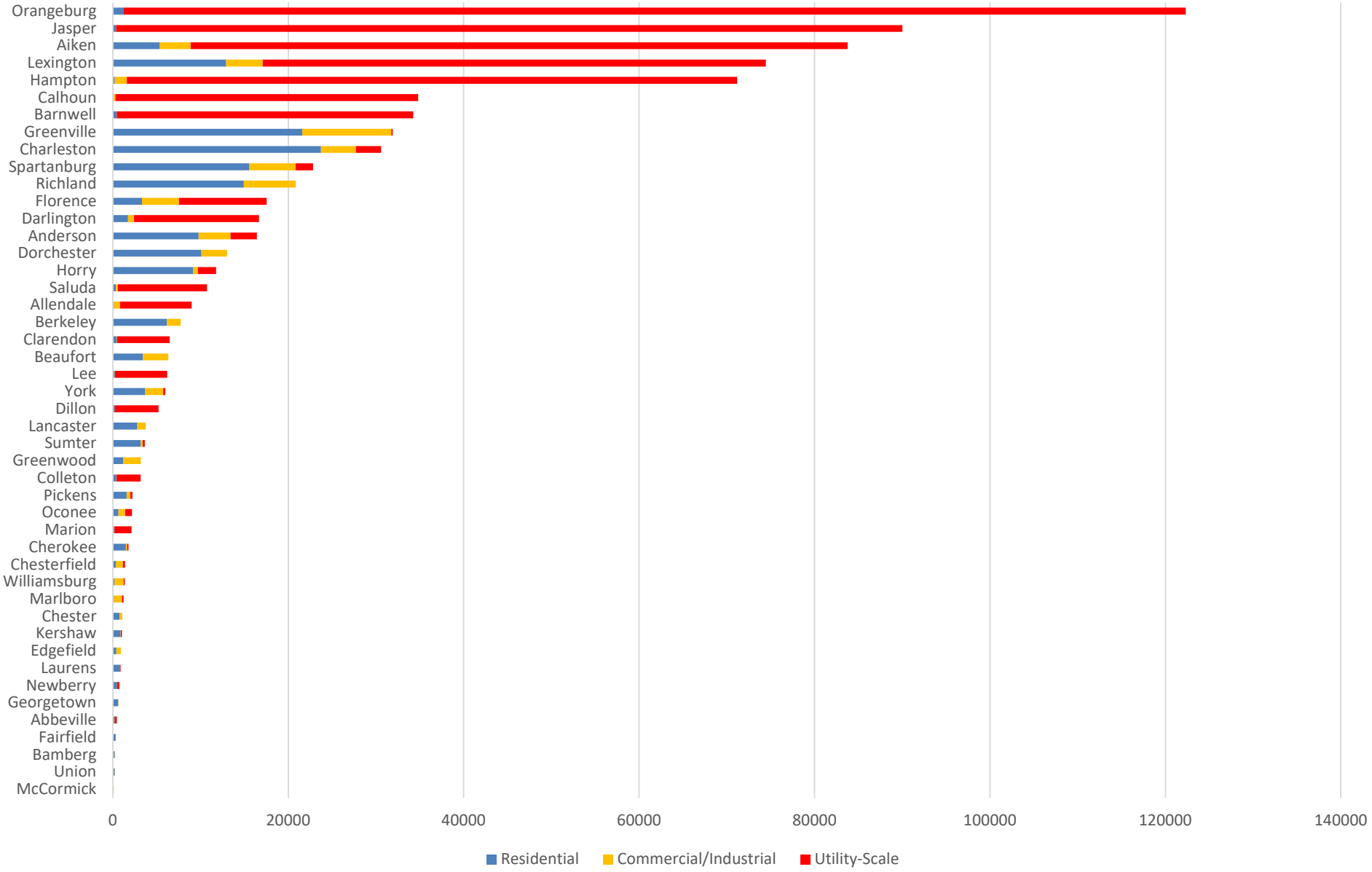

Capacity, kW AC
Leases and Purchases
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
705,371
77,509
Leases
Purchases


Lease Capacity, kW AC
Cumulative through July 31 of each year.
30000
25000
20000
15000
10000
5000
0
9,494
27,343
25,565
15,107
FY2016
FY2017
FY2018
FY2019

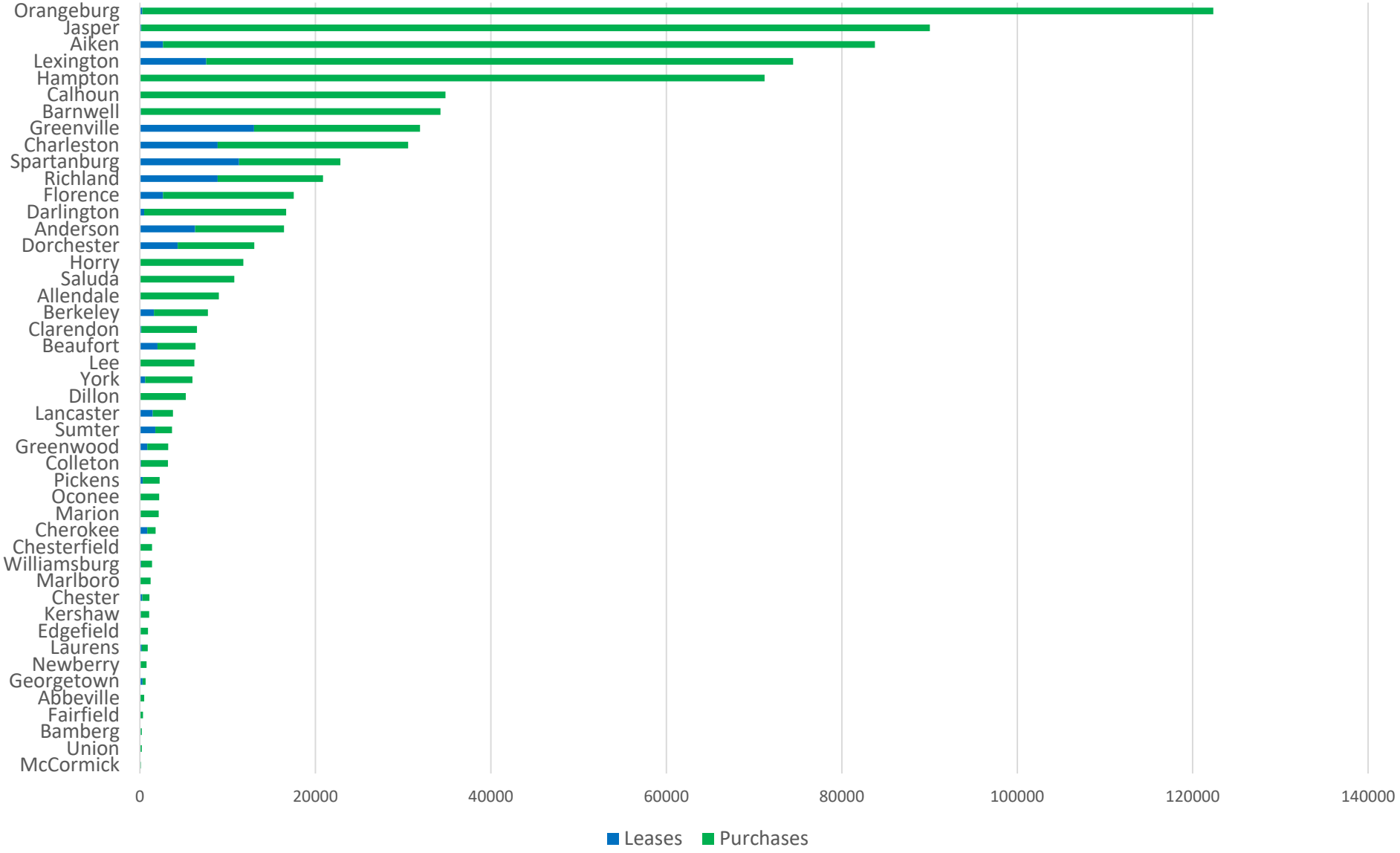
Capacity by Year, kW AC



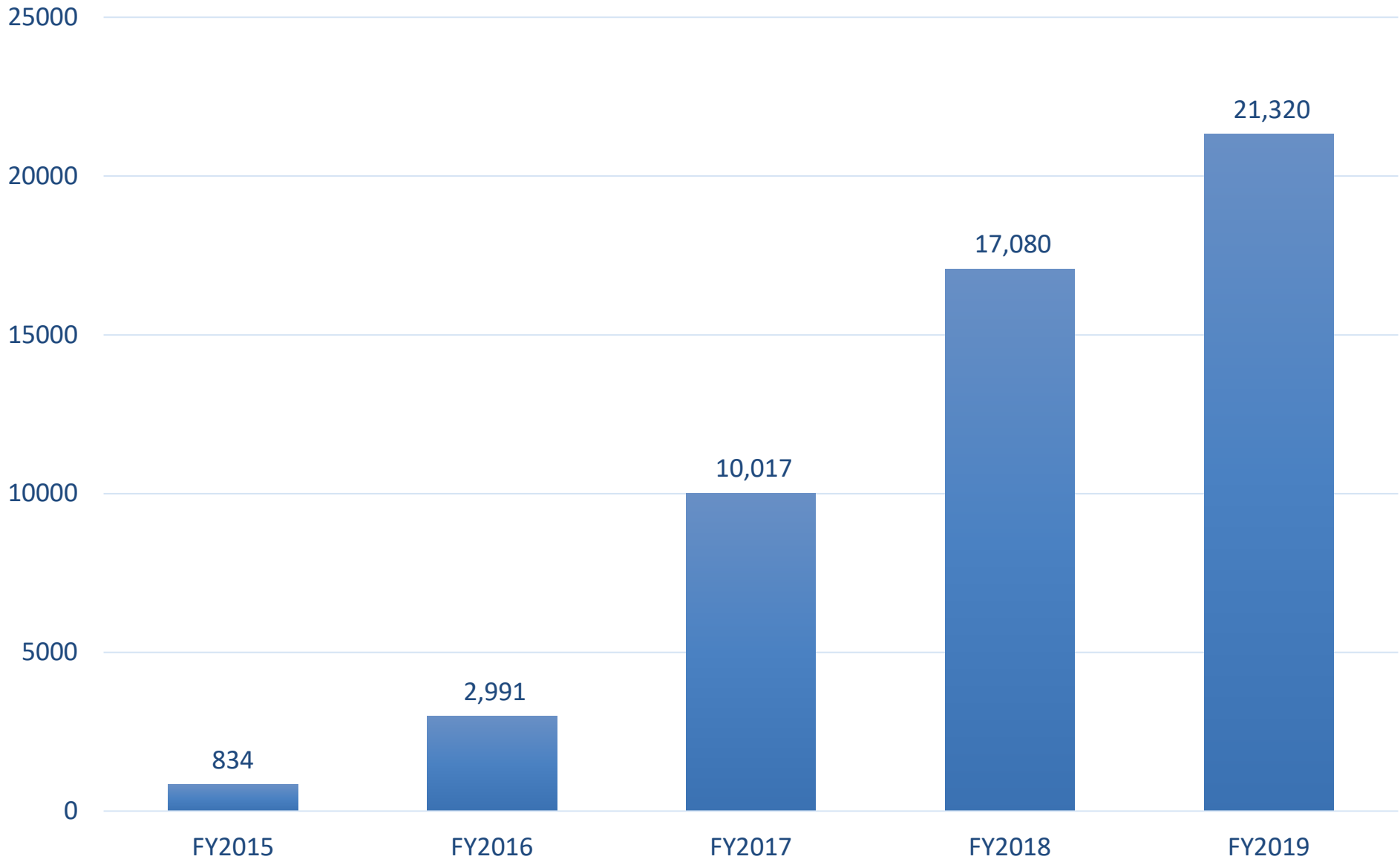
Capacity by Sector, kW AC

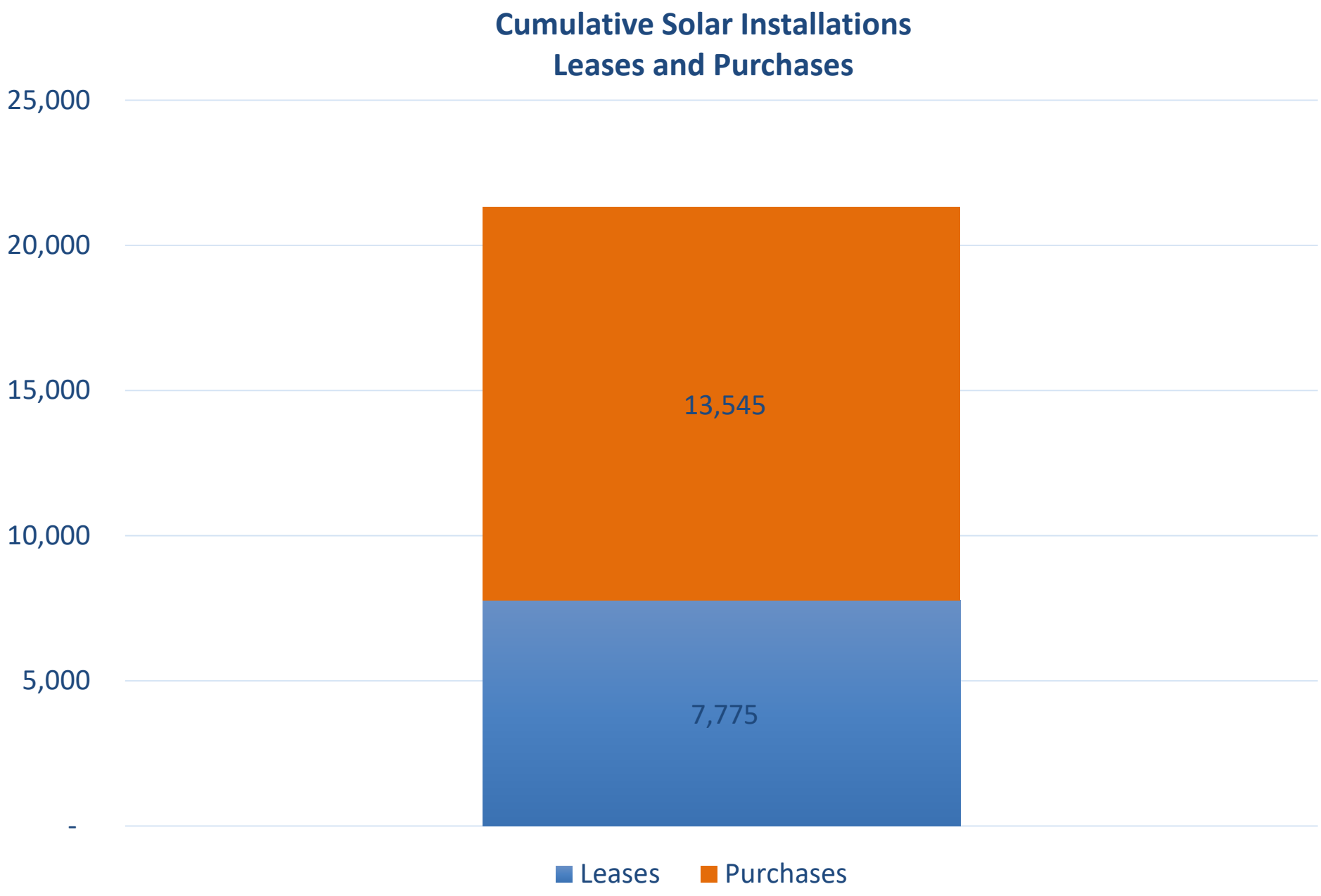


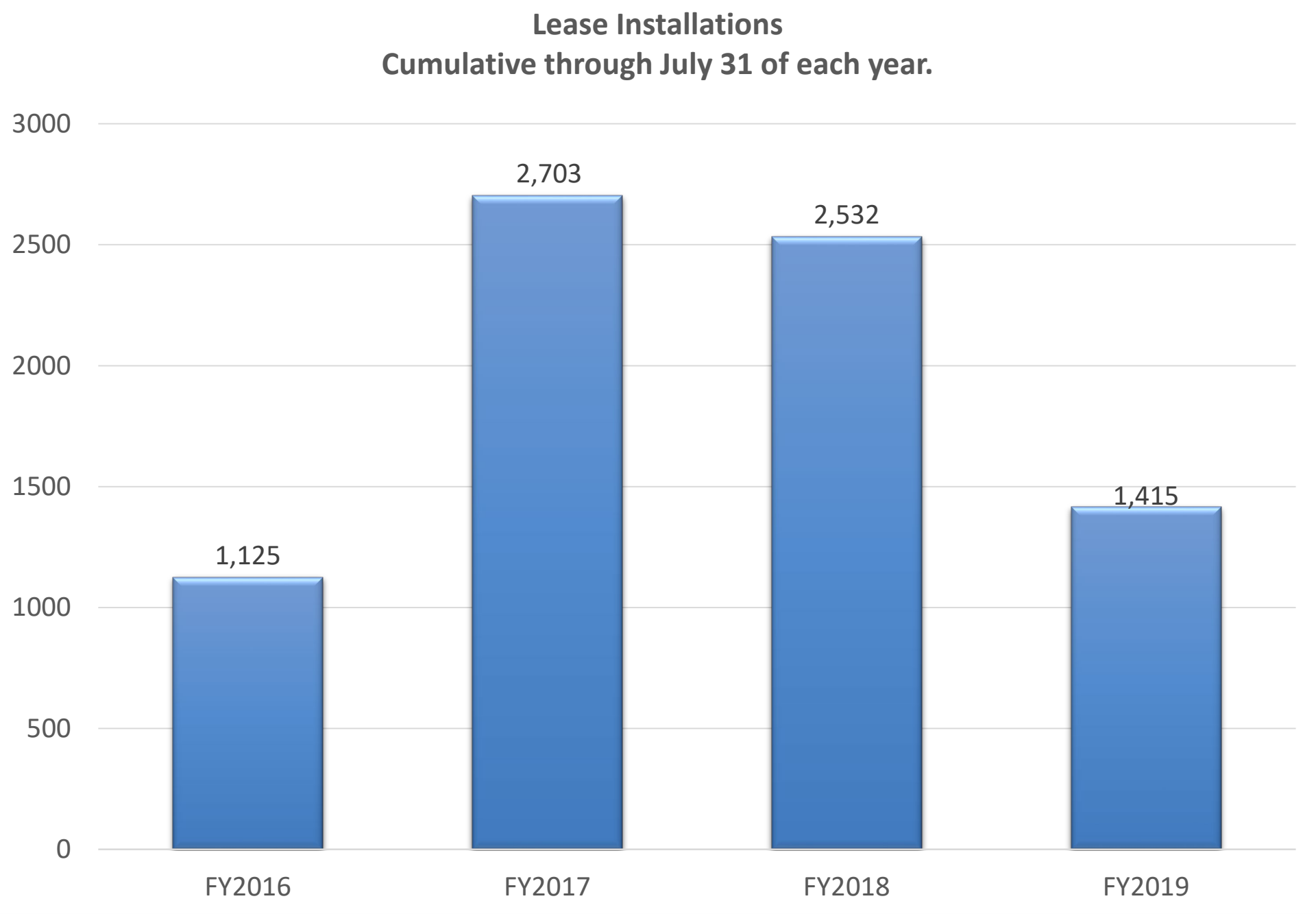
Cumulative Lease and Purchase Capacity by County, kW AC



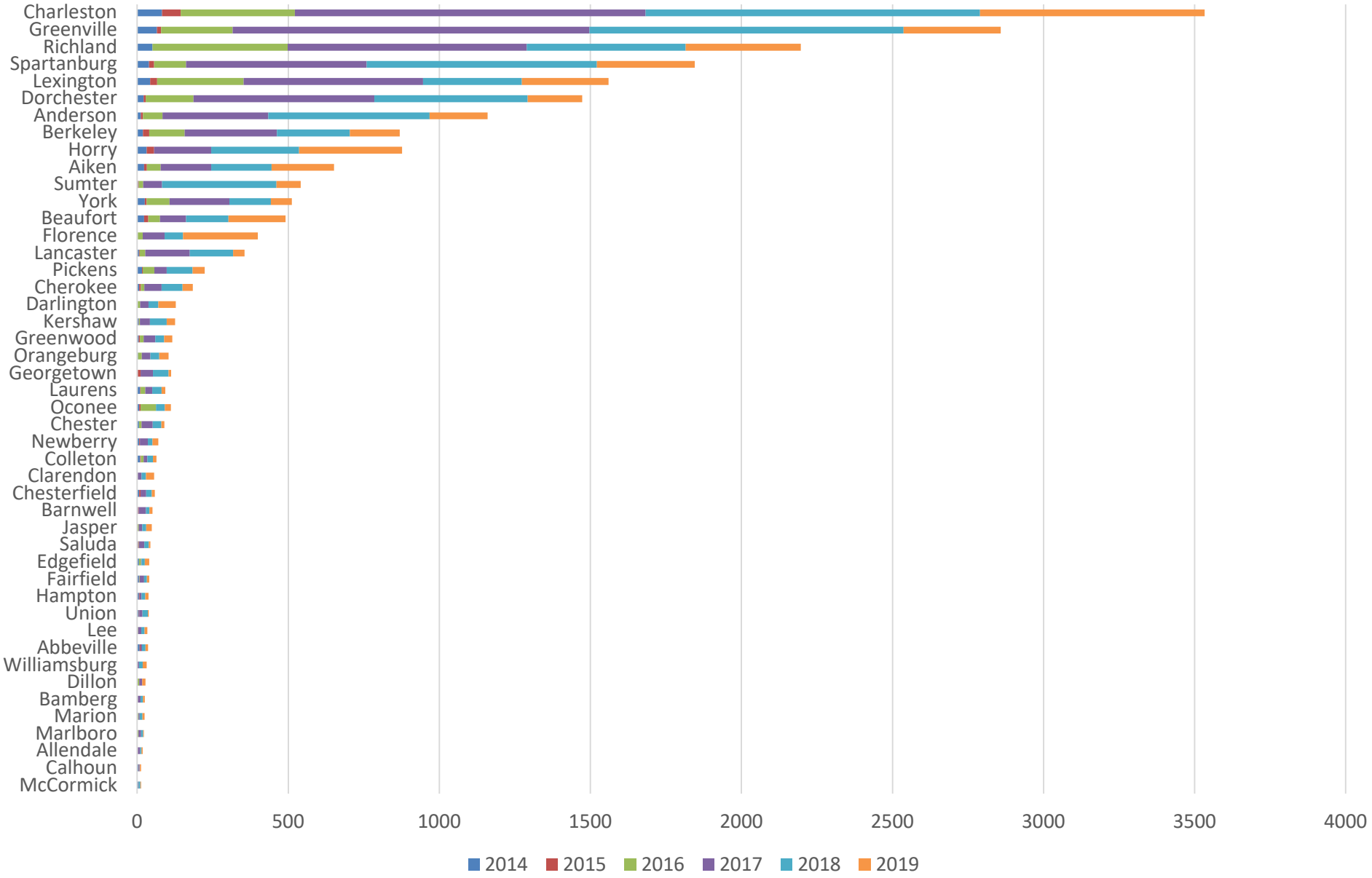
Solar Installations
Cumulative through July 31 of each year.



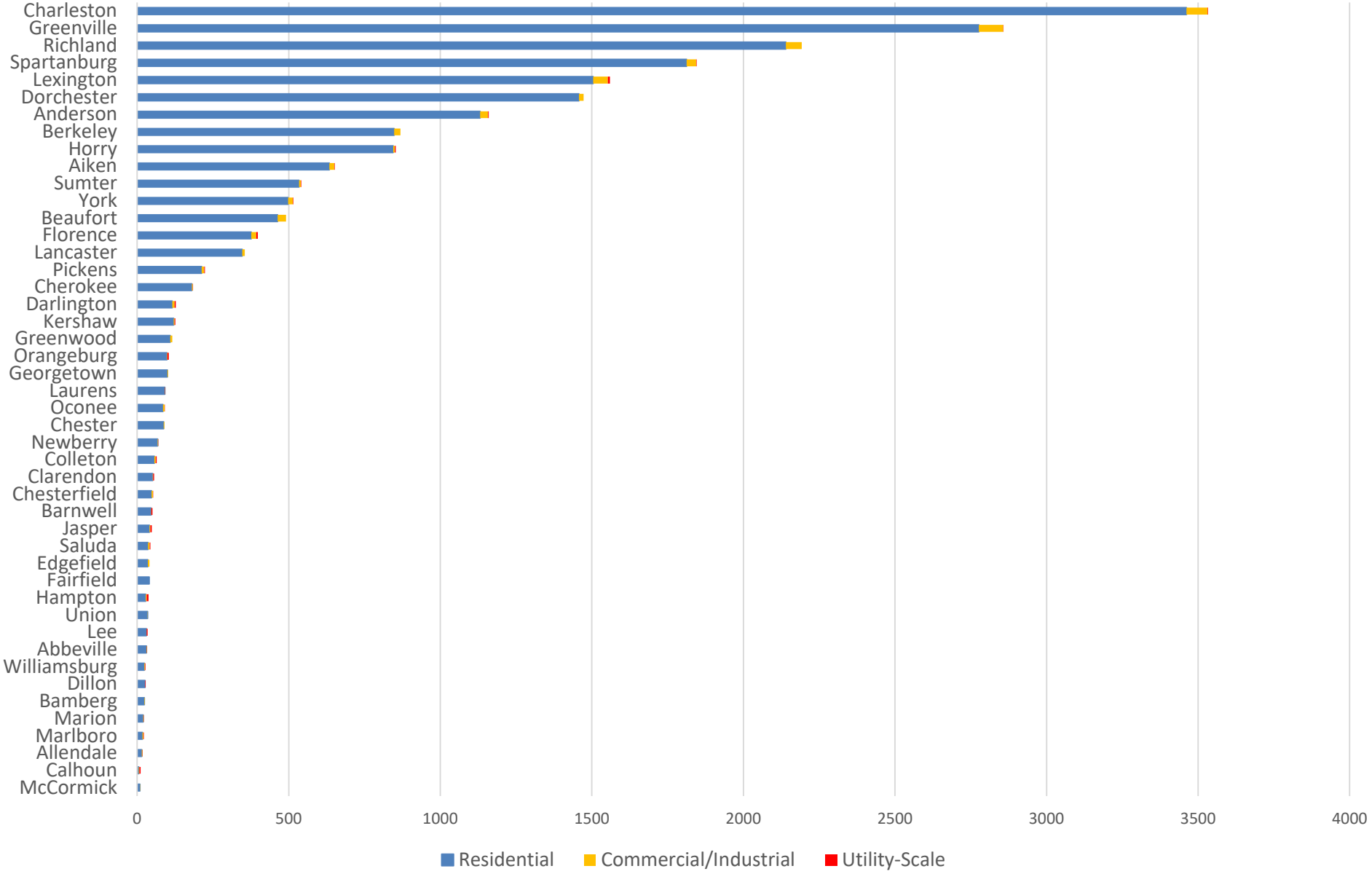

Cumulative Solar Installations
Leases and Purchases
25,000
20,000
15,000
10,000
5,000
-
13,545
7,775
Leases
Purchases


Lease Installations
Cumulative through July 31 of each year.
3000
2500
2000
1500
1000
500
0
1,125
2,703
2,532
1,415
FY2016
FY2017
FY2018
FY2019

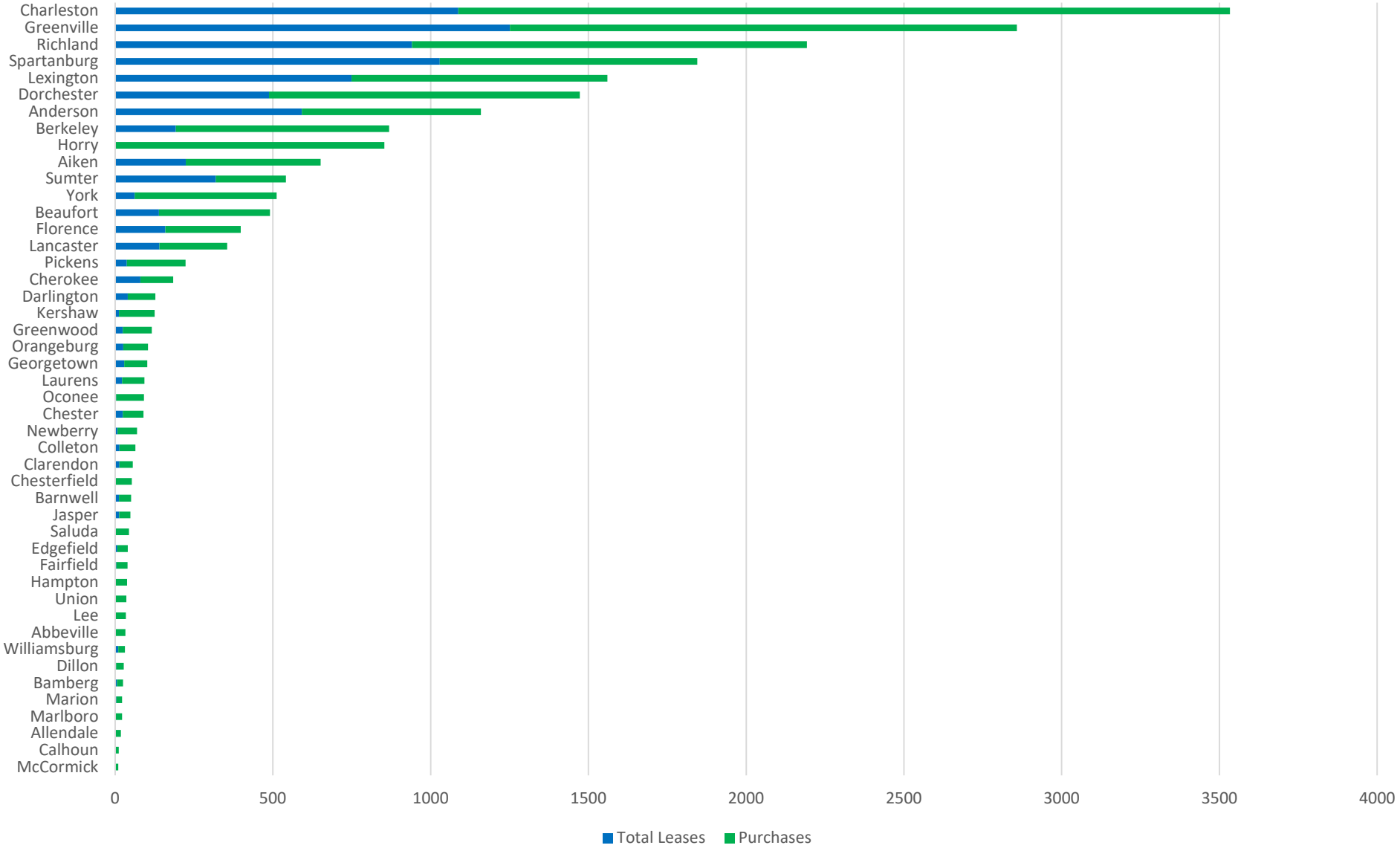
Cumulative Installations by County



Cumulative Installations by Sector

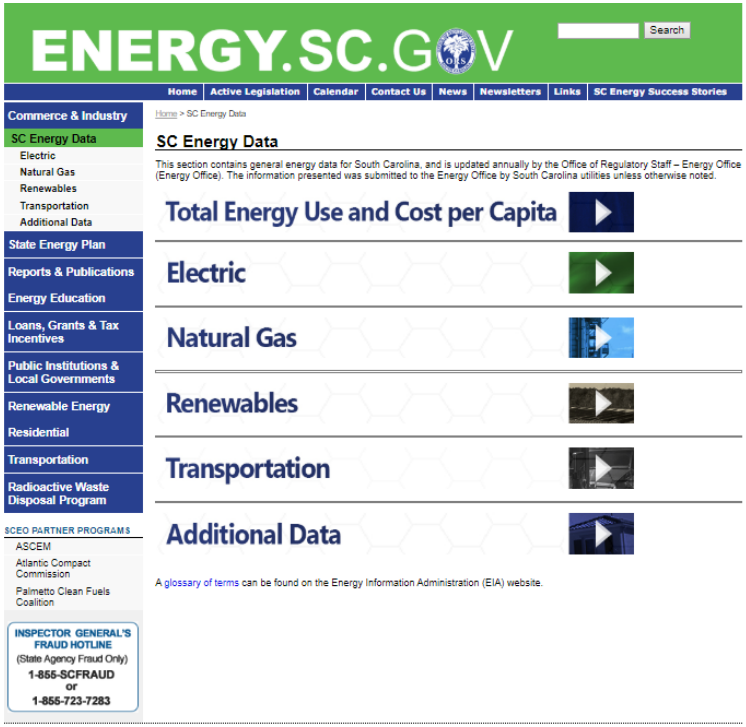


Cumulative Lease and Purchase Installations by County

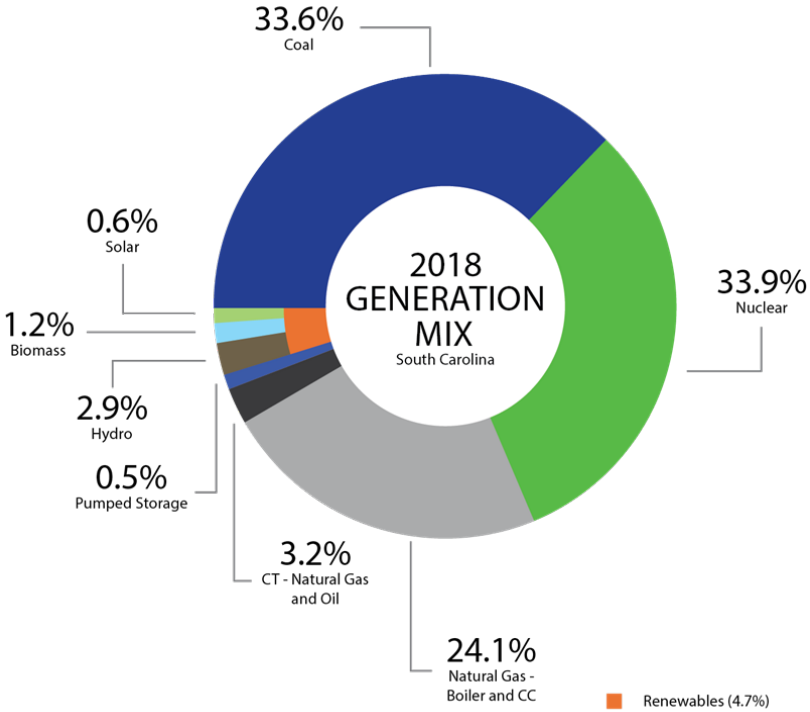


SC Data Updates

SC Data Update



How does South Carolina meet its electricity needs today?



In 2018, SC's generation portfolio was approximately:

- 34% Nuclear
- 34% Coal
- 27% Natural Gas
- 5% Renewables

Where will South Carolina's electricity come from in the future?

Comparing the 2015 to the 2019 forecast both looking forward to 2025 shows:

- Nuclear decreases
- Coal decreases
- Natural gas increases
- Solar increases

	2025	
	2015 Data	2019 Data
Nuclear	42,622	29,016
Coal	27,282	20,302
Natural Gas- Boiler and CC	18,033	22,451
CT- Natural Gas and Oil	912	1,064
Pumped Storage	960	1,079
Hydro	1,967	2,051
Biomass	1,241	672
Solar	2,237	6,199
TOTAL (GWh)	95,254	82,833

Questions?

Stacey Washington
SC ORS Energy Office
swashington@regstaff.sc.gov
803-737-0804
solar.sc.gov

This Photo by Unknown Author is licensed under CC BY-NC

ENERGY.SC.GOV