



Distributed Energy Resources in Minnesota (2024 data)

Data information (2024 Data)

- Under Minn. Stat. [216B.1611](#) Minnesota utilities submit an annual report on distributed generation interconnected with the utility's distribution system.
- Utilities should report systems that are:
 - Interconnected with the distribution system
 - Less than 10 MW in size
 - Operate in parallel with the utility
- These reports are filed annual in dockets ending in -10 (ex, 23-10, 24-10). Data here reflects reports filed in Docket 25-10
- This data includes all systems through Dec. 31, 2024 as reported by all Minnesota utilities
- There may be unreported systems if a utility did not file a report in a given year
- For additional information, including details on data specifics and a raw dataset, please refer to the DER Data Webpage: [DER Data Dashboard / Public Utilities Commission](#)
- Contact: Elizabeth Ballor, Elizabeth.Ballor@state.mn.us

DER Type	Number of Interconnected Systems	Capacity of Interconnected Systems (MW)
Solar	28341	1548.2
Wind	340	36.9
Storage	175	17.1
Natural Gas	28	28.6
Other	13	4.9
Biogas	10	4.5
Hydro	6	42.0
Biomass	2	9.8
Municipal Solid Waste	1	1.5
Total	28,916.0	1,693.4

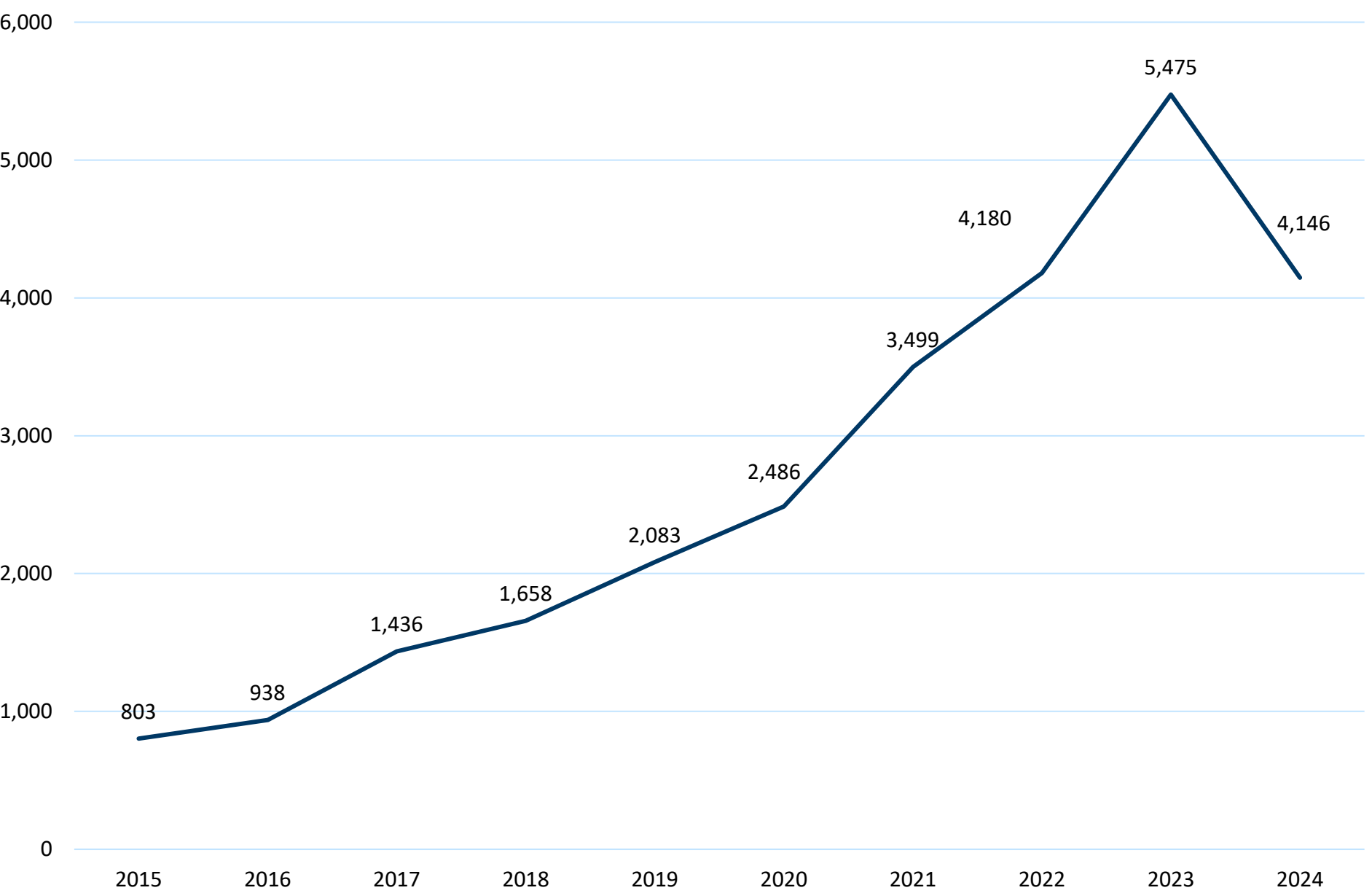
Number of Interconnected Systems by Type (through Dec 31, 2024)



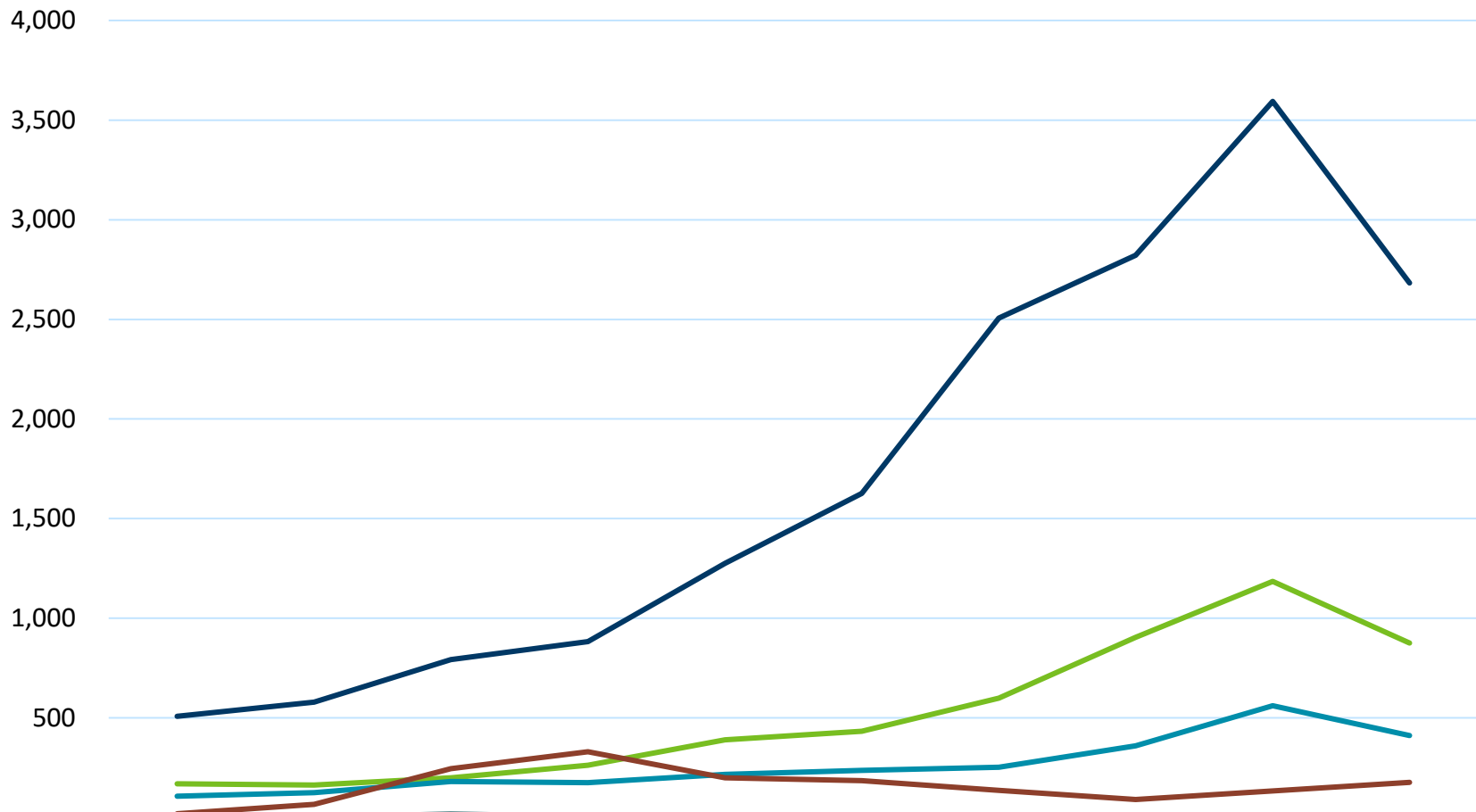
Capacity of Interconnected Systems by Type (MW)



Number of Annual Interconnections (2015-2024)

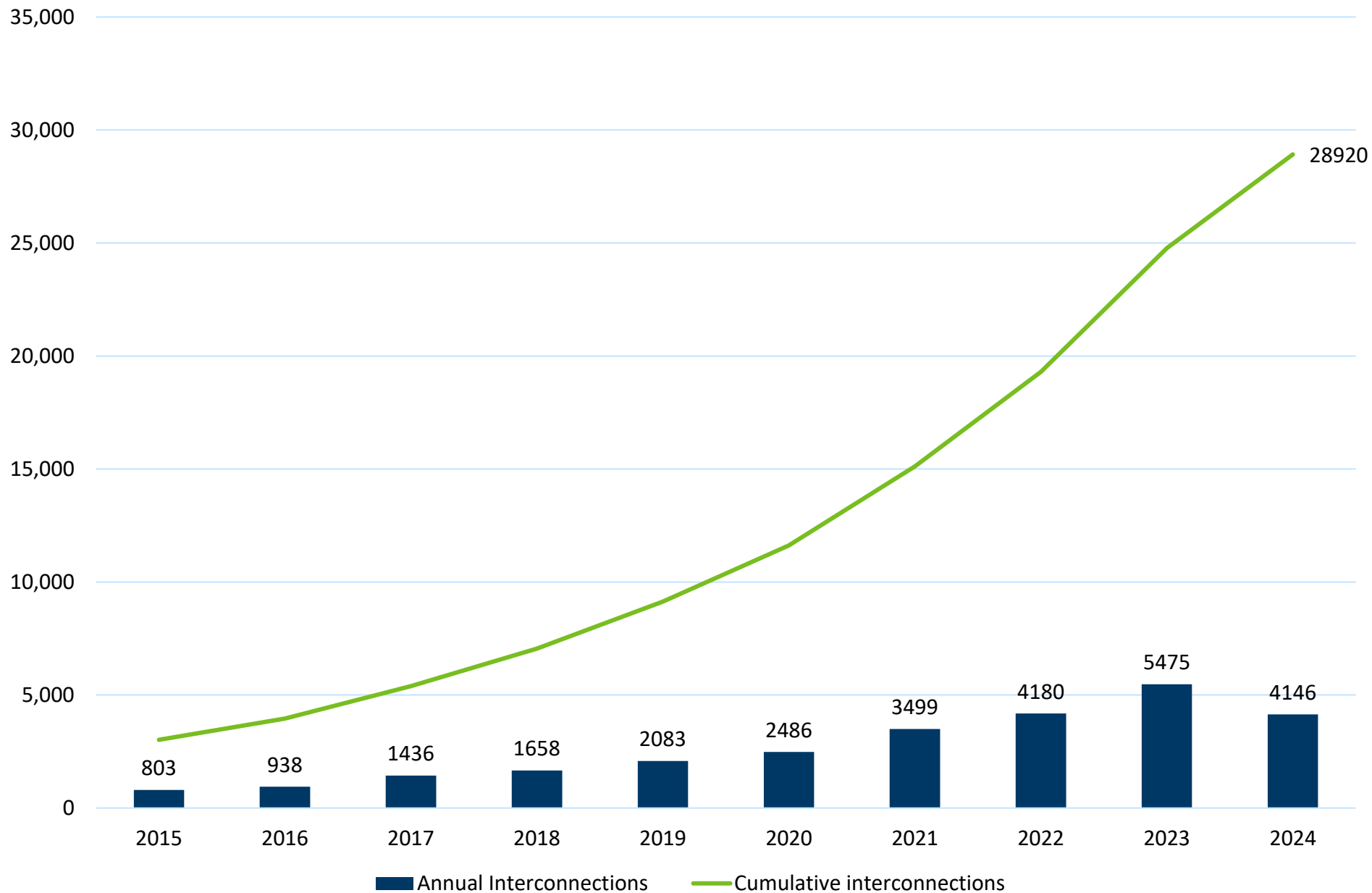


Number of Annual Interconnections by Size, 2015-2024

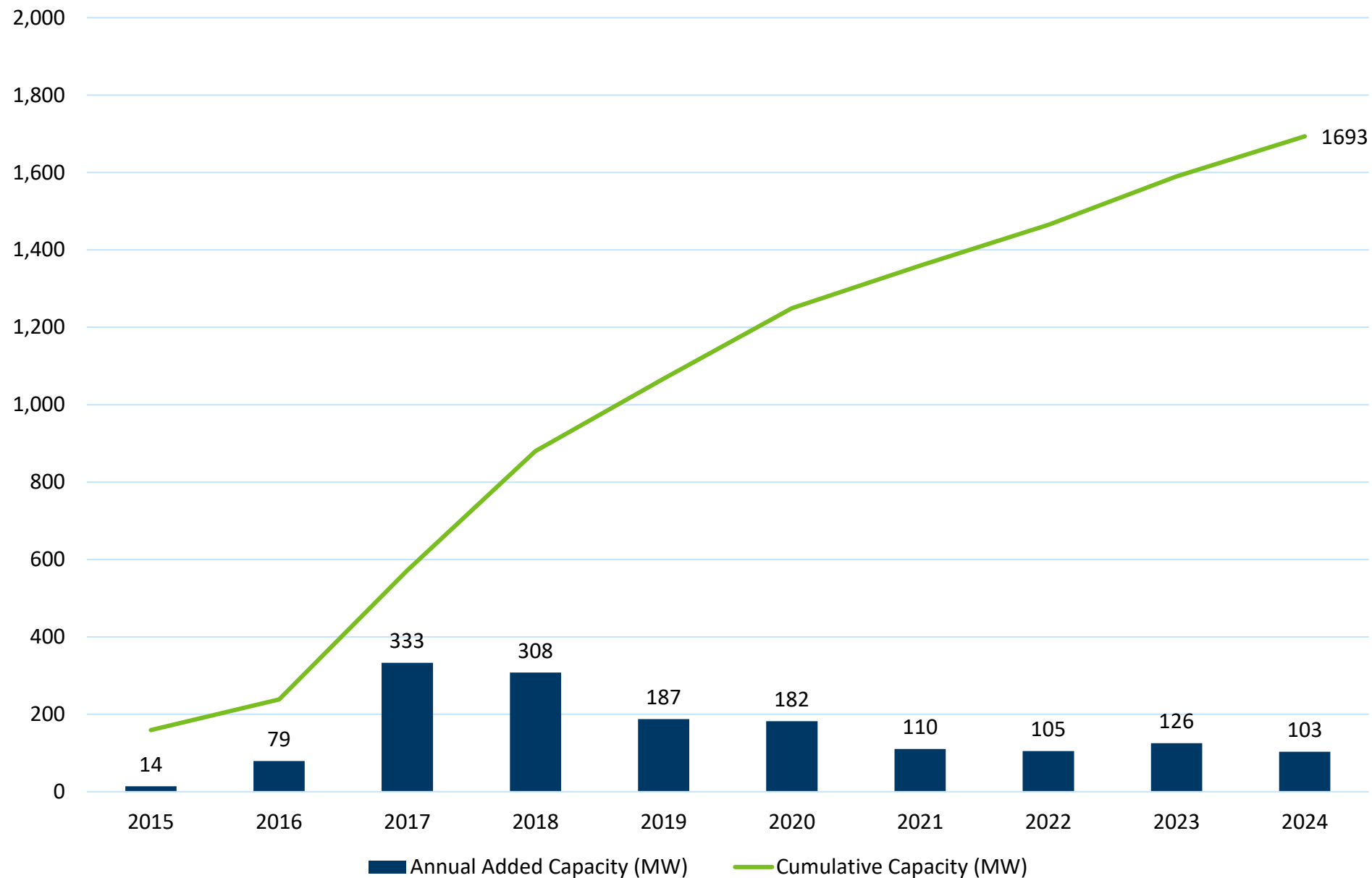


	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
≤ 10 kW	508	579	793	883	1,275	1,627	2,507	2,822	3,594	2,682
>10 and ≤ 20 kW	169	163	200	263	390	433	599	904	1,185	875
>20 and ≤40 kW	107	125	181	175	216	237	252	360	561	411
>40 and ≤1000 kW	19	66	245	330	200	185	136	90	134	176
>1000 kW	-	5	17	7	2	4	5	4	1	2

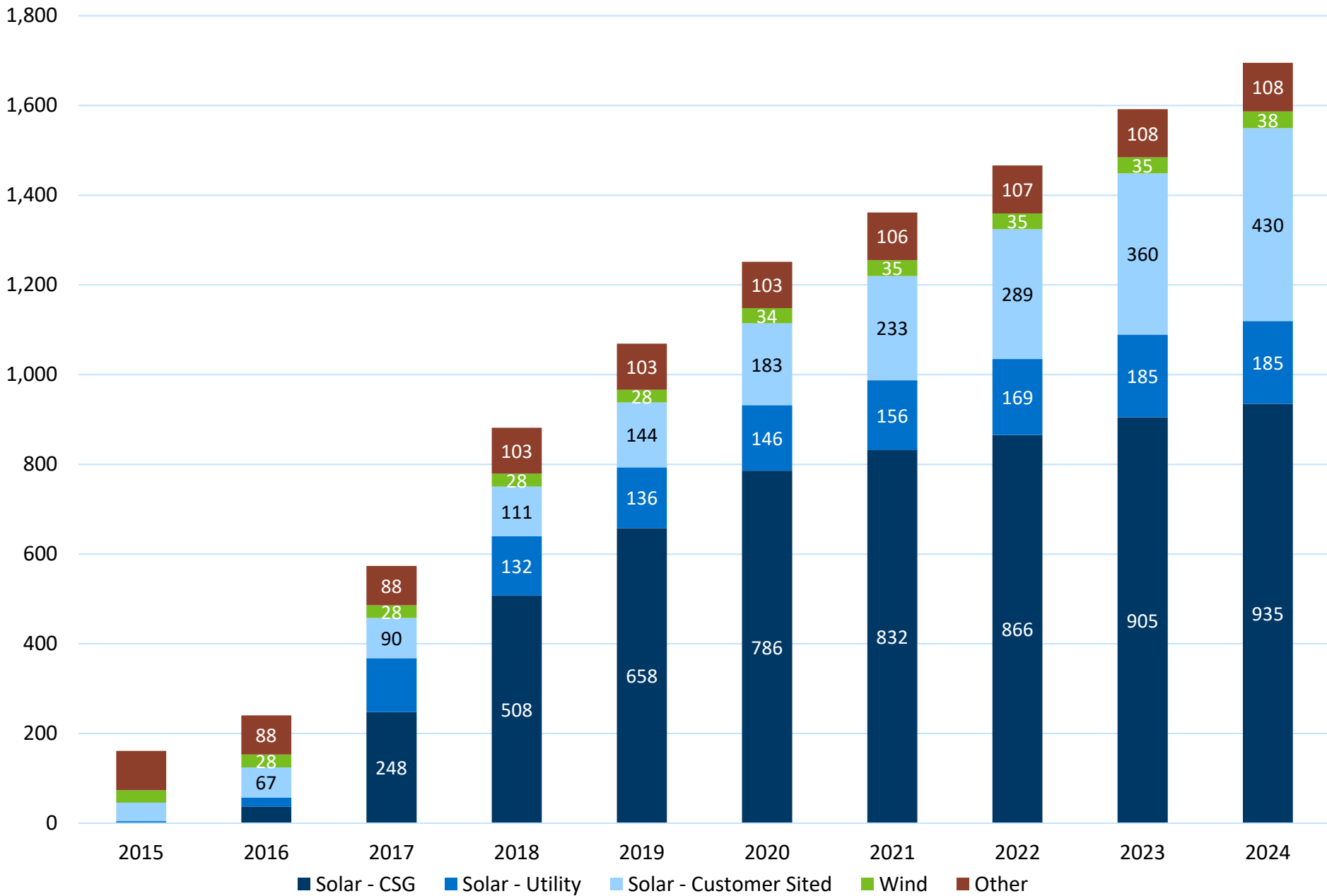
Cumulative Interconnected Systems (2015-2024)



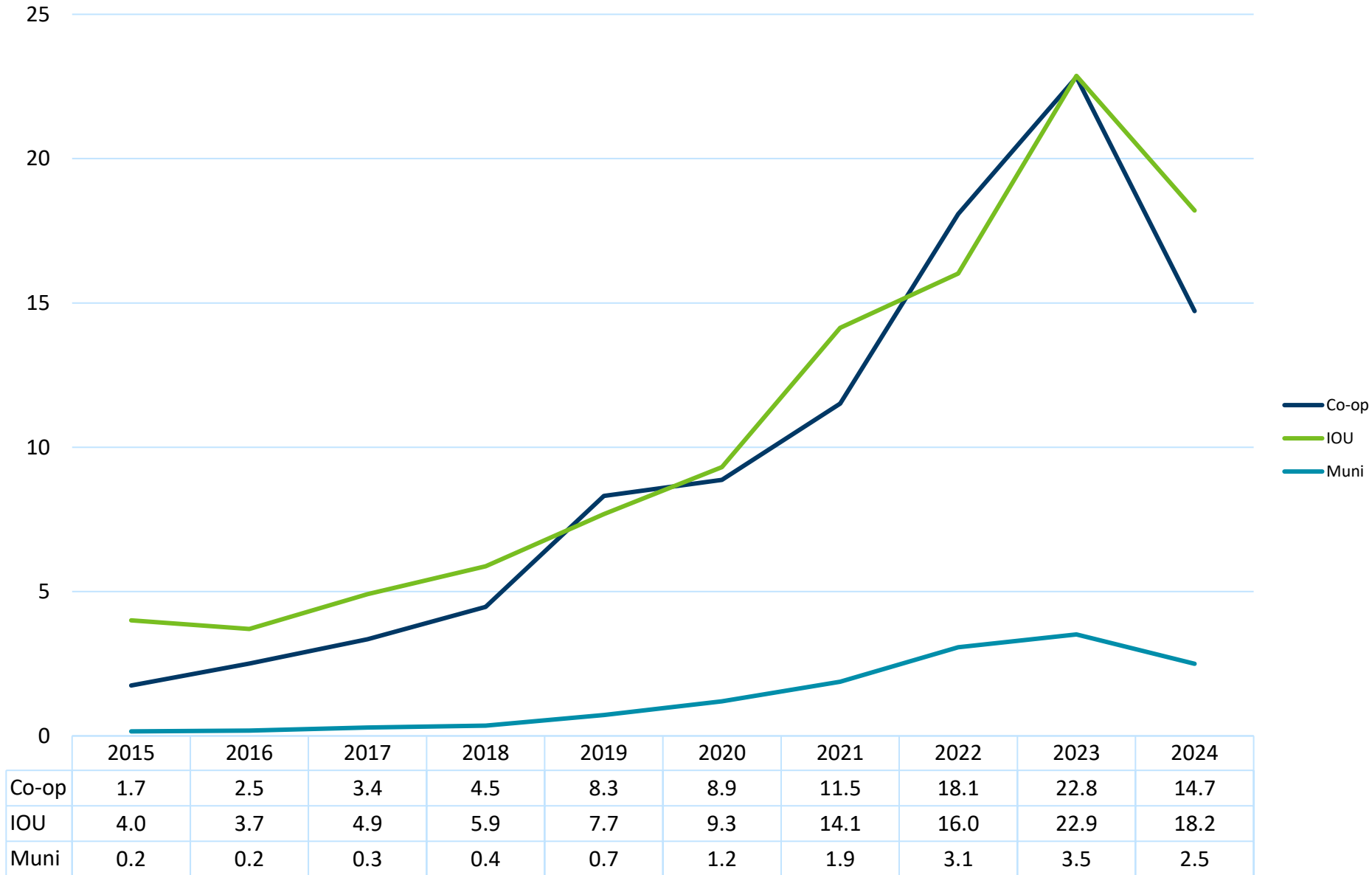
Cumulative Capacity (MW) of Interconnected Systems (2015-2024)



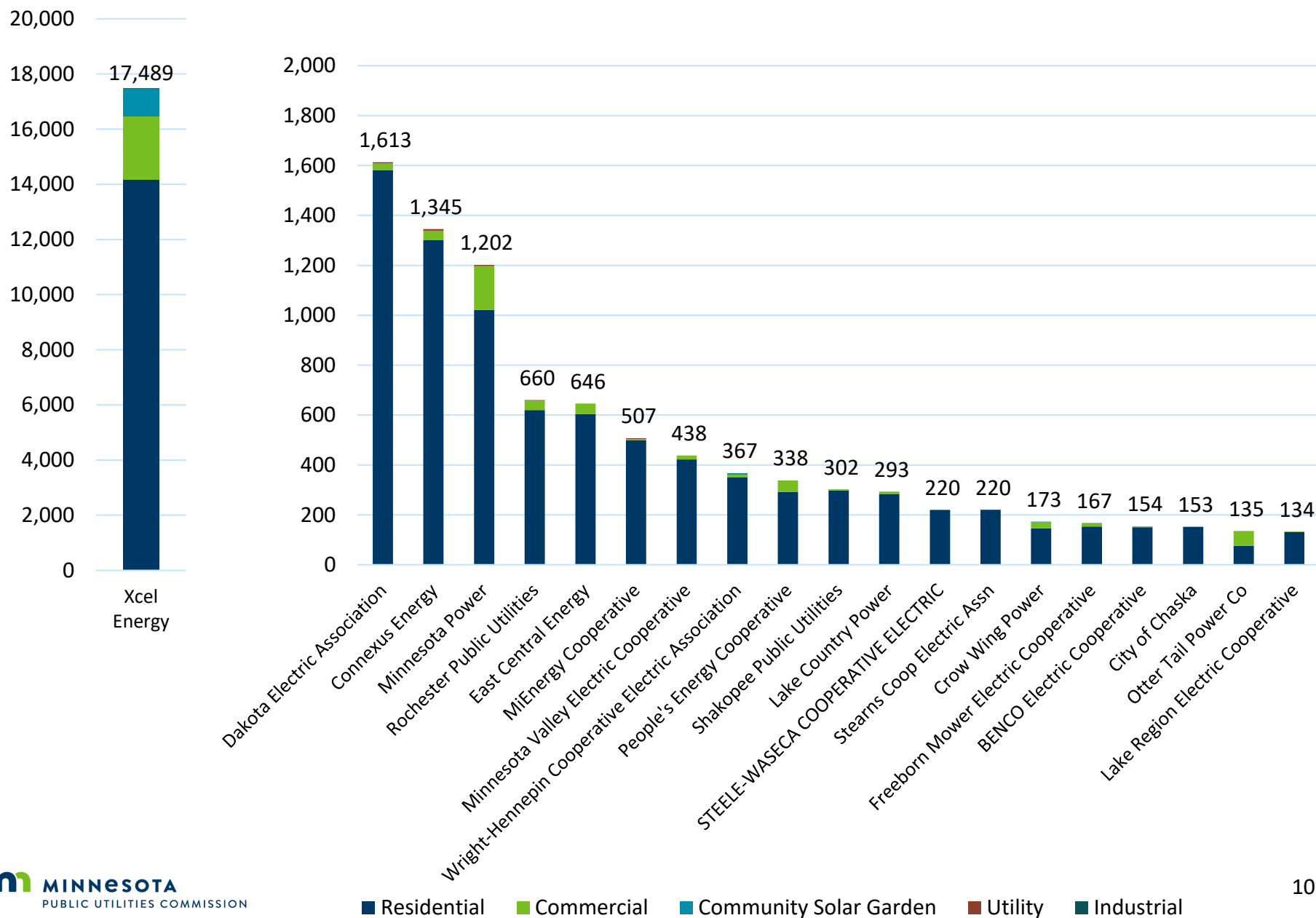
Cumulative Installed DER Capacity (MW) 2015-2024



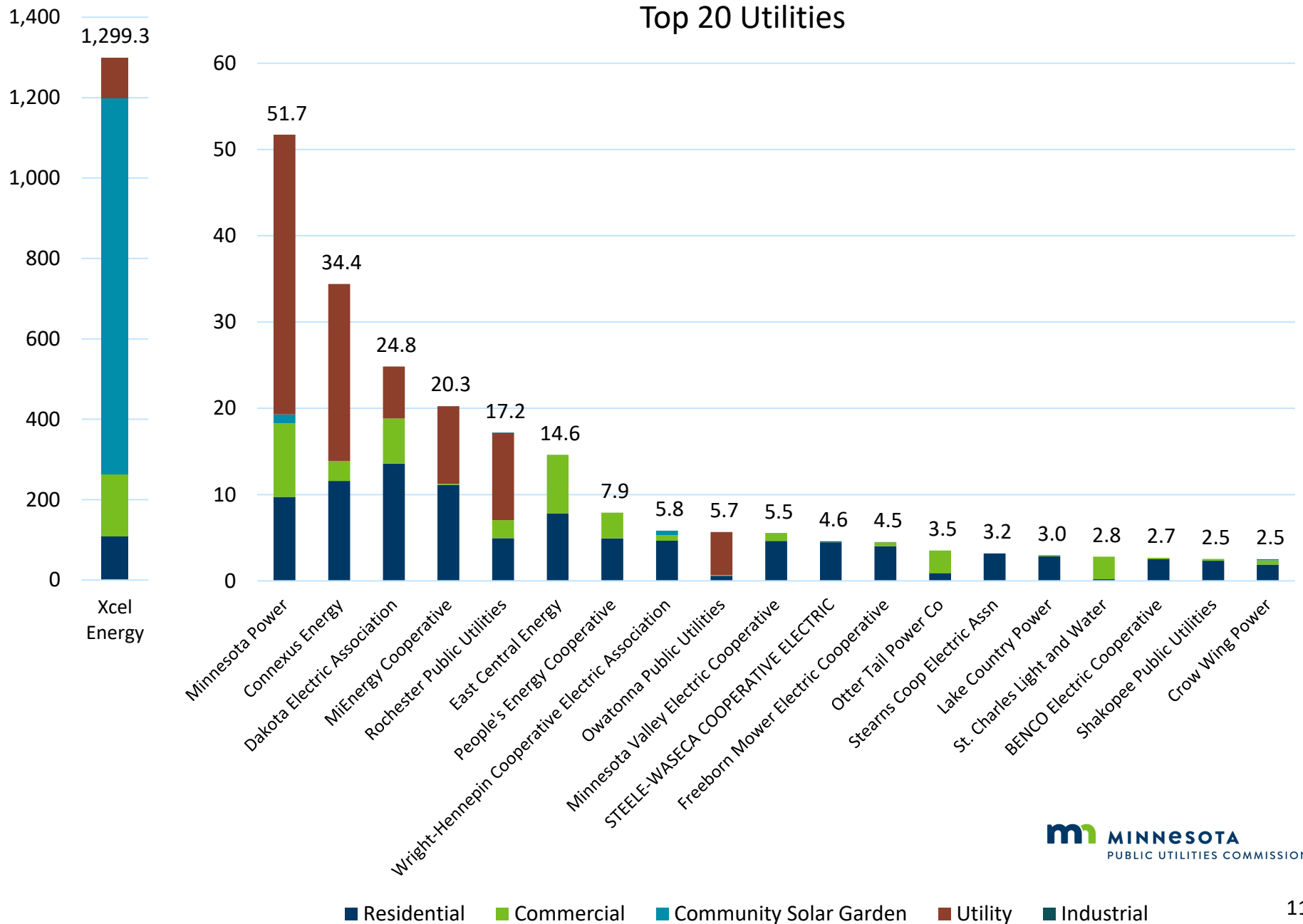
Annual Residential Solar Capacity Additions by Utility Type (MW)



Total Number of Distributed Solar Interconnections by Utility (Top 20 Utilities)



Total Distributed Solar Capacity by Utility (MW) Top 20 Utilities



Percent of Customers with DER Installed in 2024

