



KENTUCKY MUNICIPAL ENERGY AGENCY

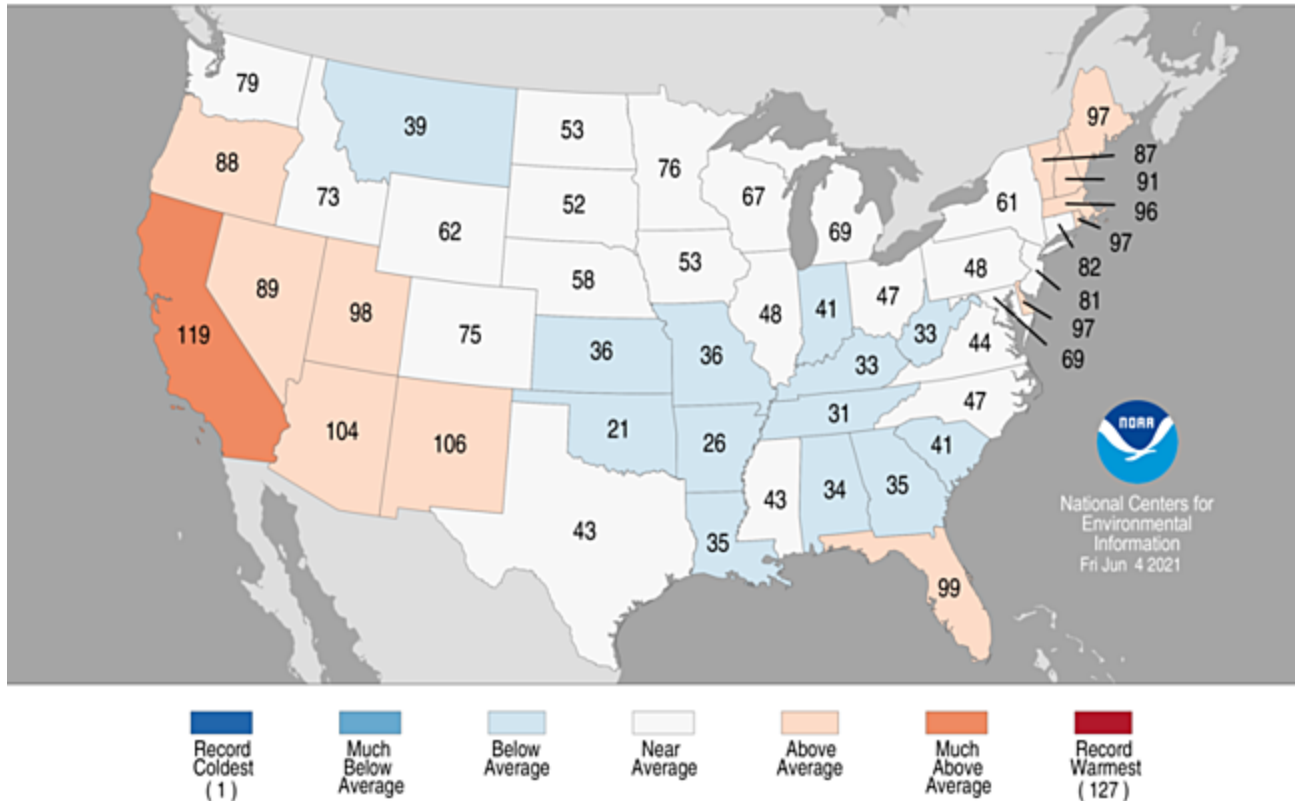


May 2021 Market Report

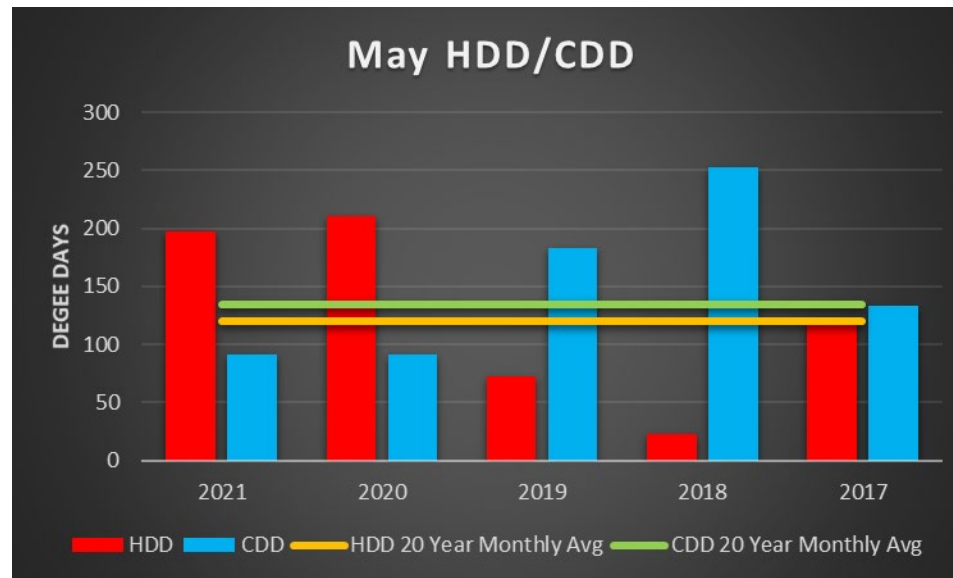
Rob Leesman

June 24, 2021

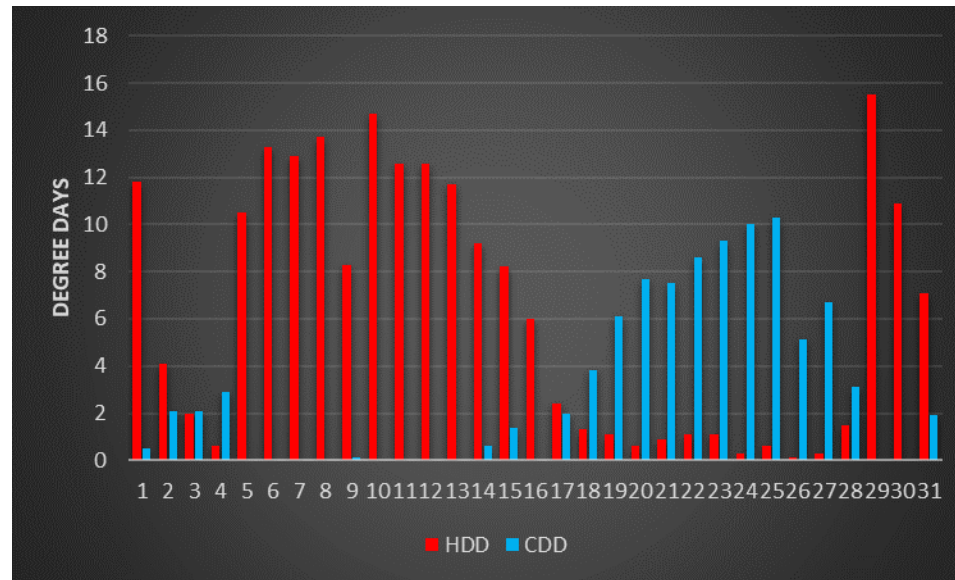
Statewide Average Temperature Ranks
May 2021
Period: 1895–2021



Degree Days



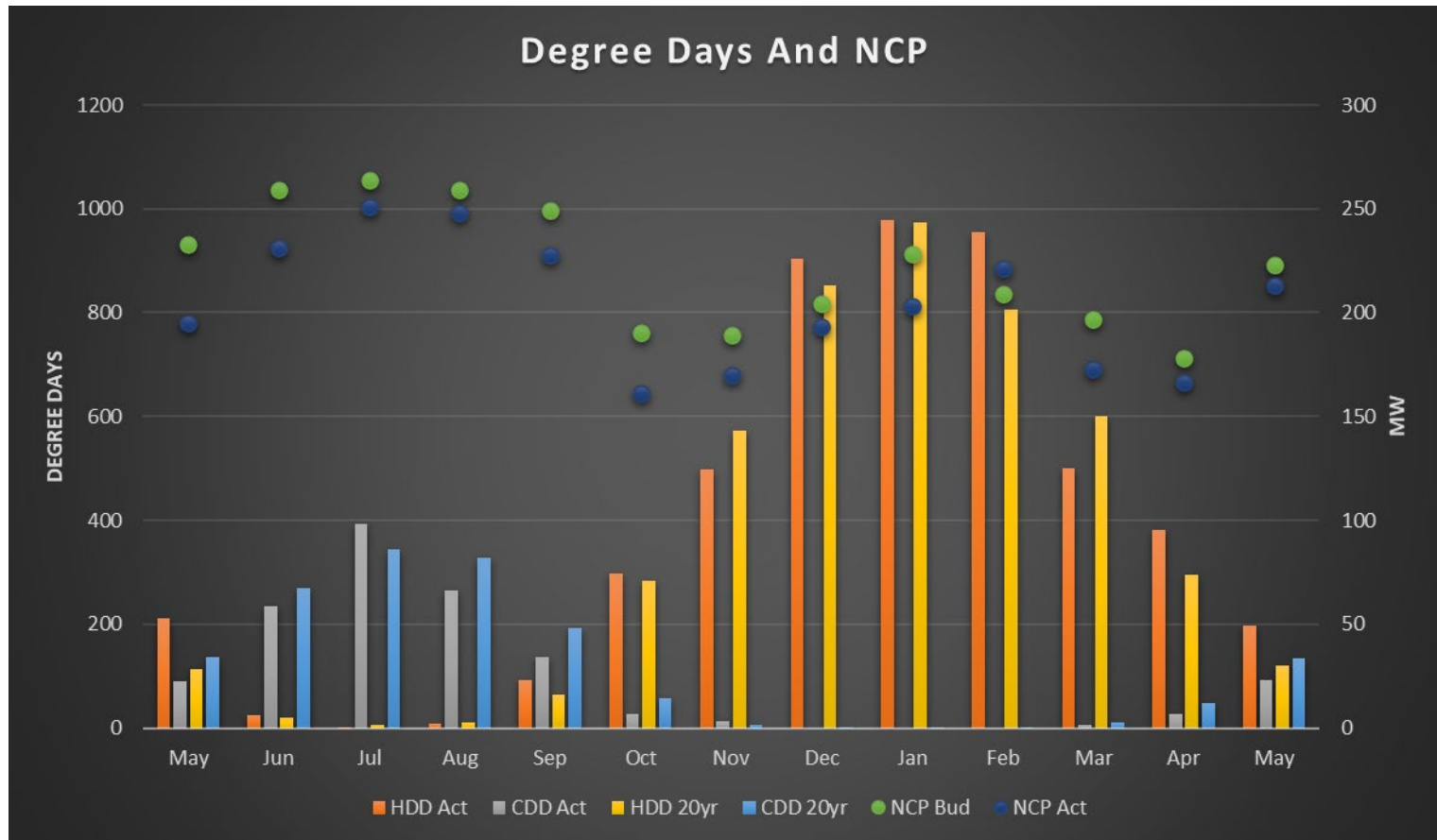
Degree Days



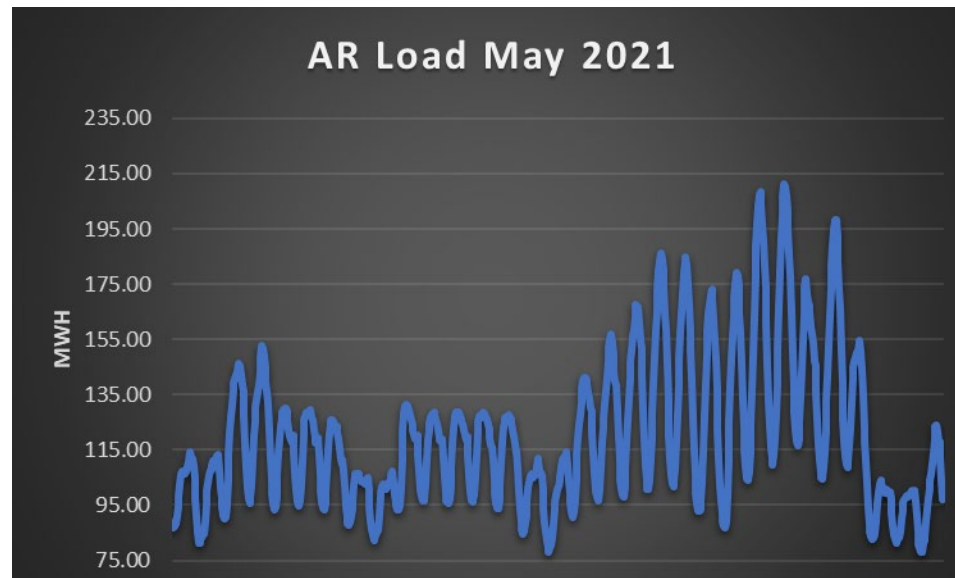
How can there be HDDs and CDDs on the same day?

- Provider utilizes an Integration Method, which accounts for temperature variations each day.
- If the high temperature in a given day is 85° and the low temperature is 45°, the basic HDD/CDD calculation would result in 0. However, there is a high probability that a building would require heating during the low nighttime temperatures and would require cooling during the high afternoon temperatures.

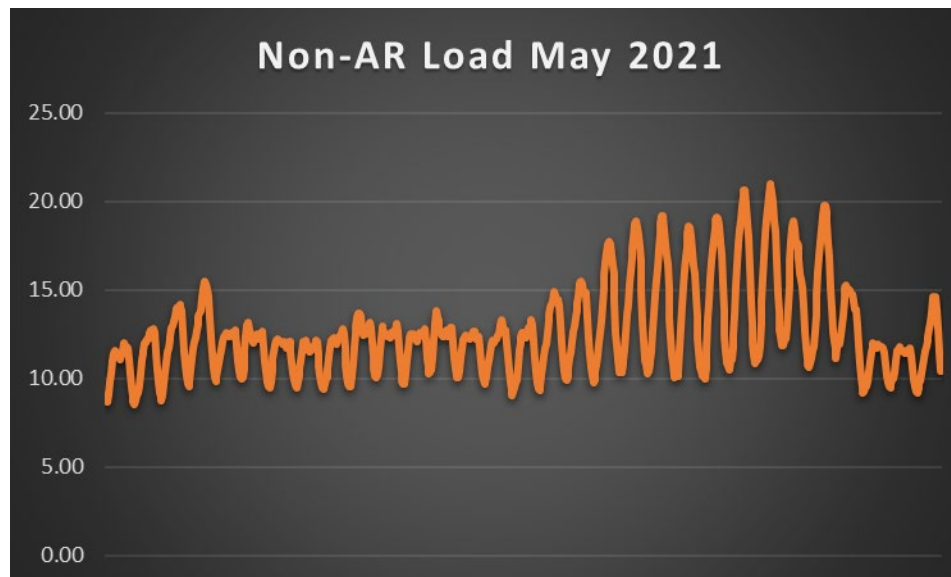
Degree Days



AR Load May 2021



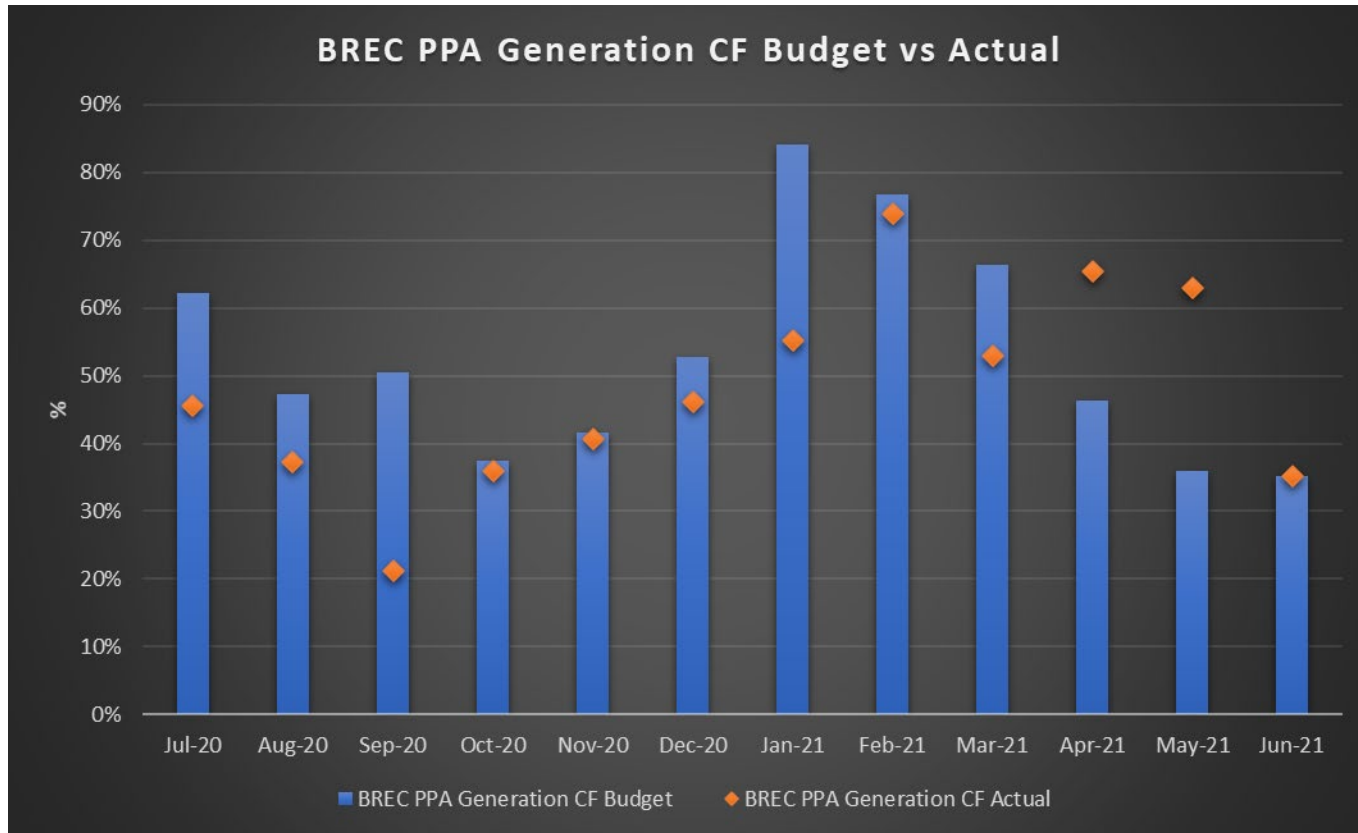
Non-AR Load May 2021



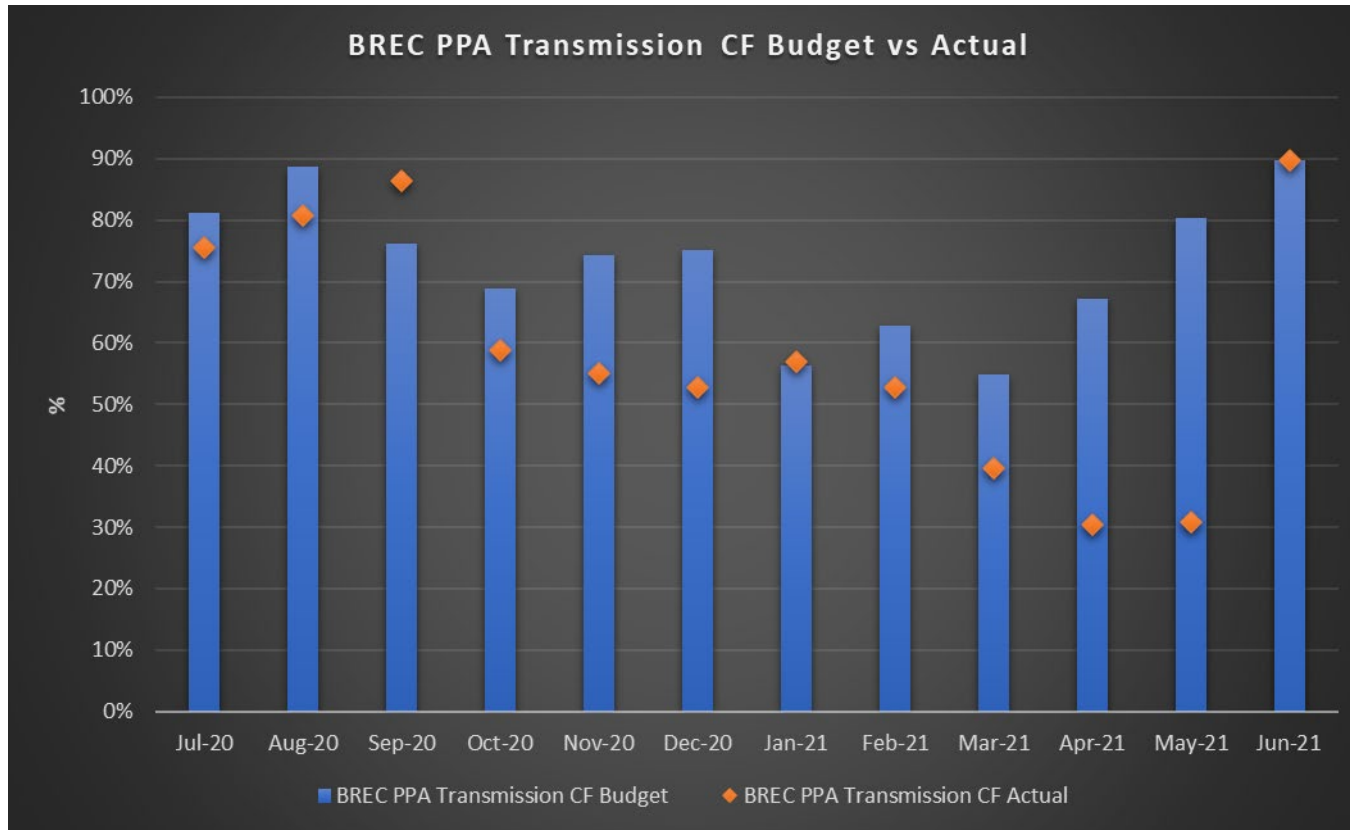
May 2021 Snapshot

May-21							
Member	Budget Energy (MWh)	Actual Energy (MWh)	Actual vs. Budget Energy	Budget NCP (MW)	Actual NCP (MW)	Actual vs. Budget NCP	Timestamp (HE EST)
Barbourville	6,756	6,150	91%	15.55	15.60	100%	5/25/2021 4:00 PM
Bardwell	683	603	88%	1.64	1.61	98%	5/25/2021 3:00 PM
Benham	344	344	100%	0.81	0.78	96%	5/13/2021 6:00 AM
Berea	9,904	9,071	92%	21.05	20.32	97%	5/25/2021 4:00 PM
Corbin	6,710	5,864	87%	15.98	15.50	97%	5/25/2021 4:00 PM
Falmouth	1,463	1,342	92%	3.53	3.53	100%	5/24/2021 5:00 PM
Frankfort	56,809	48,710	86%	120.32	113.68	94%	5/24/2021 3:00 PM
Madisonville	24,482	20,603	84%	51.11	46.96	92%	5/25/2021 4:00 PM
Owensboro	70,484	63,164	90%	154.00	152.00	99%	
Paris	4,205	4,253	101%	10.15	10.93	108%	5/27/2021 5:00 PM
Providence	2,071	2,061	100%	4.95	5.41	109%	5/25/2021 5:00 PM
AR	103,179	89,587	87%	223.23	213.21	96%	
Non-AR	10,248	9,415	92%	21.85	21.09	97%	
All	113,427	99,002	87%	245.09	234.30	96%	
Total	183,911	162,166	88%	399.09	386.30	97%	

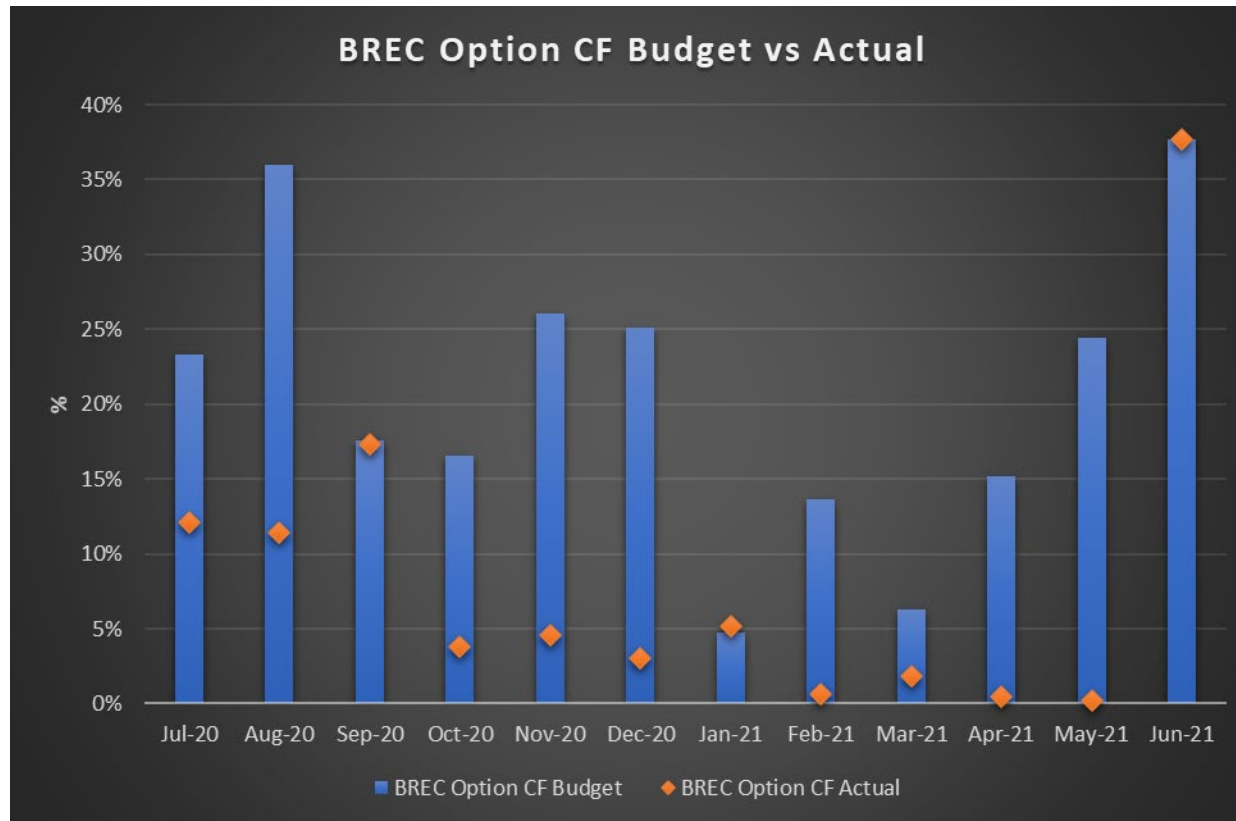
BREC Gen PPA Capacity Factor FY 21



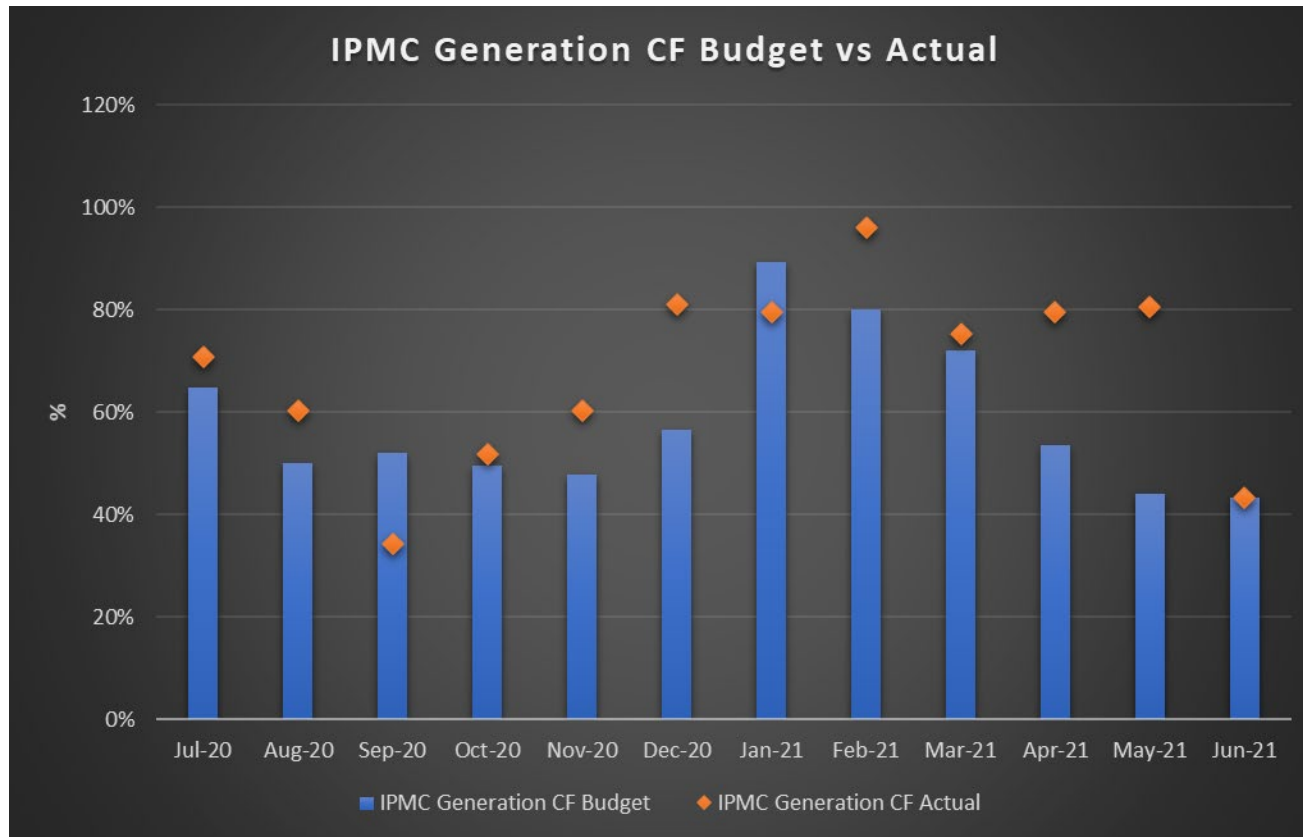
BREC Trans PPA Capacity Factor FY 21



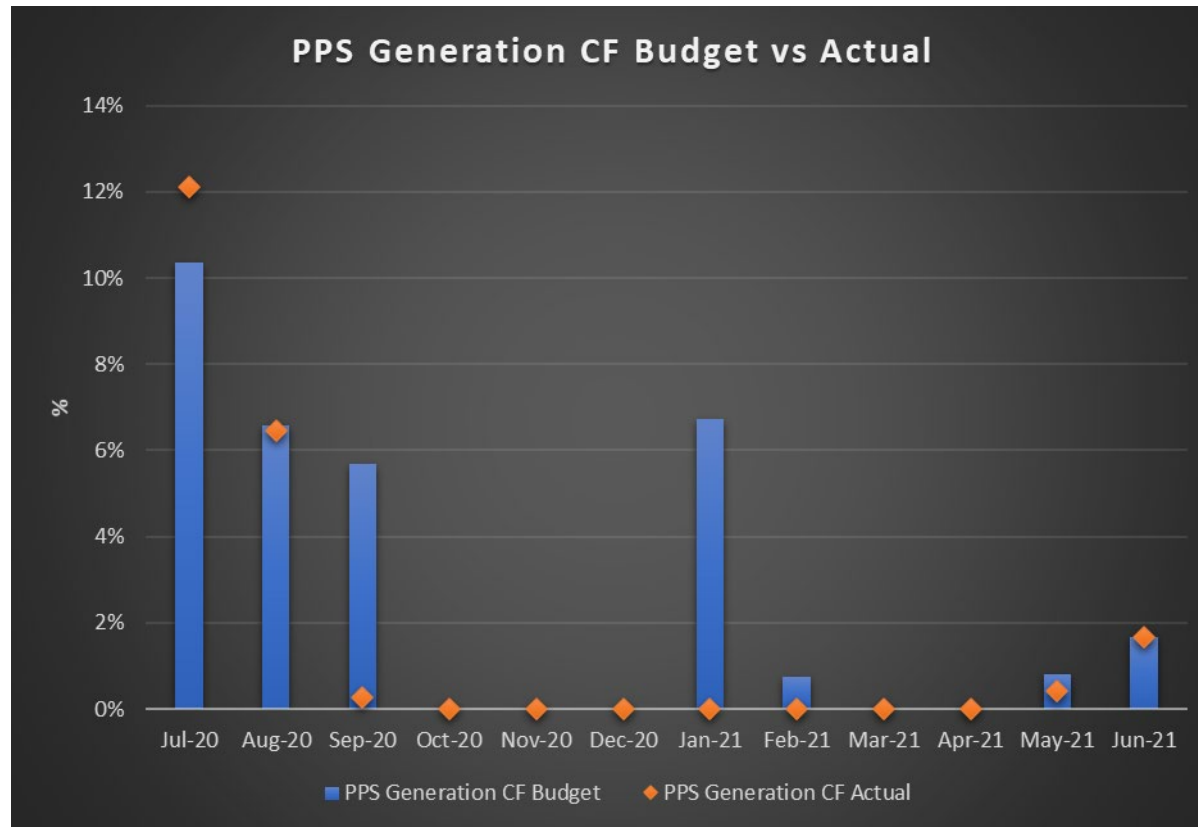
BREC Option Capacity Factor FY 21



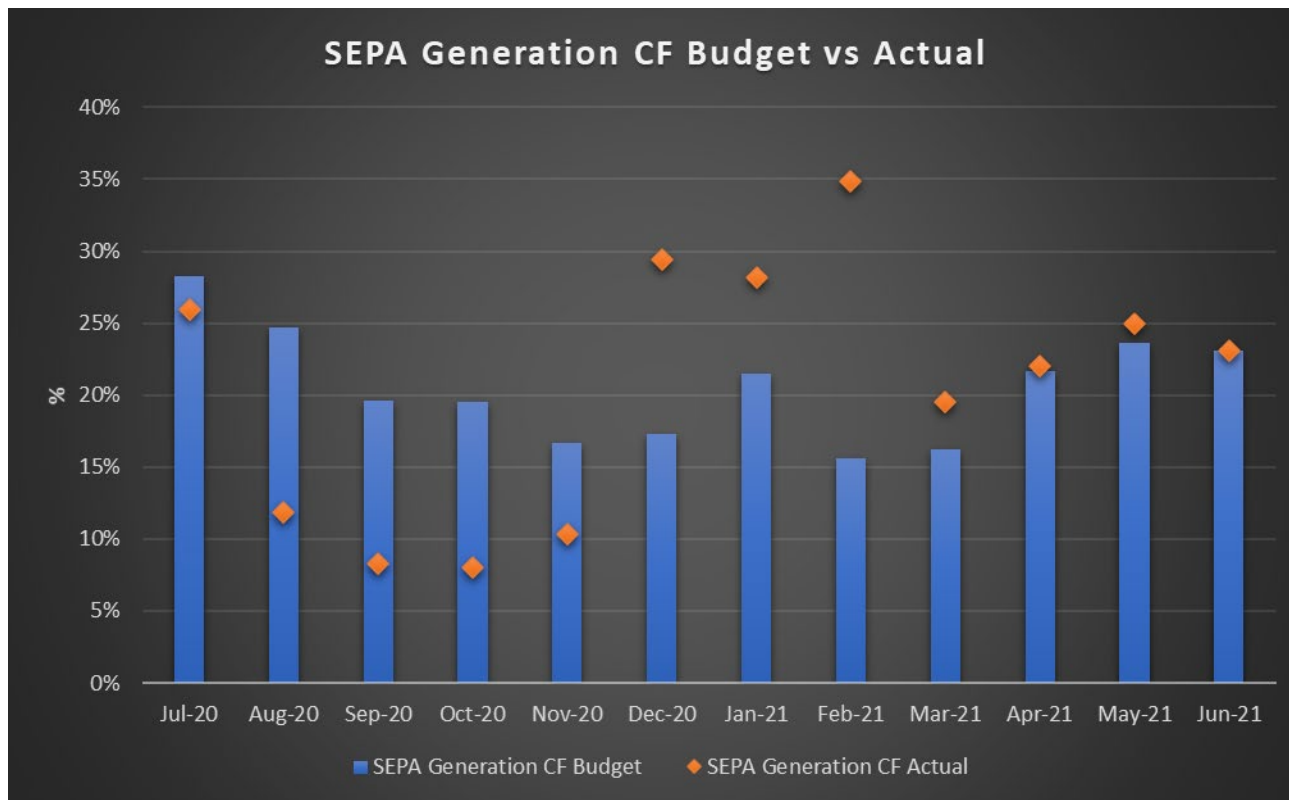
EEI/LGEE Capacity Factor FY 21



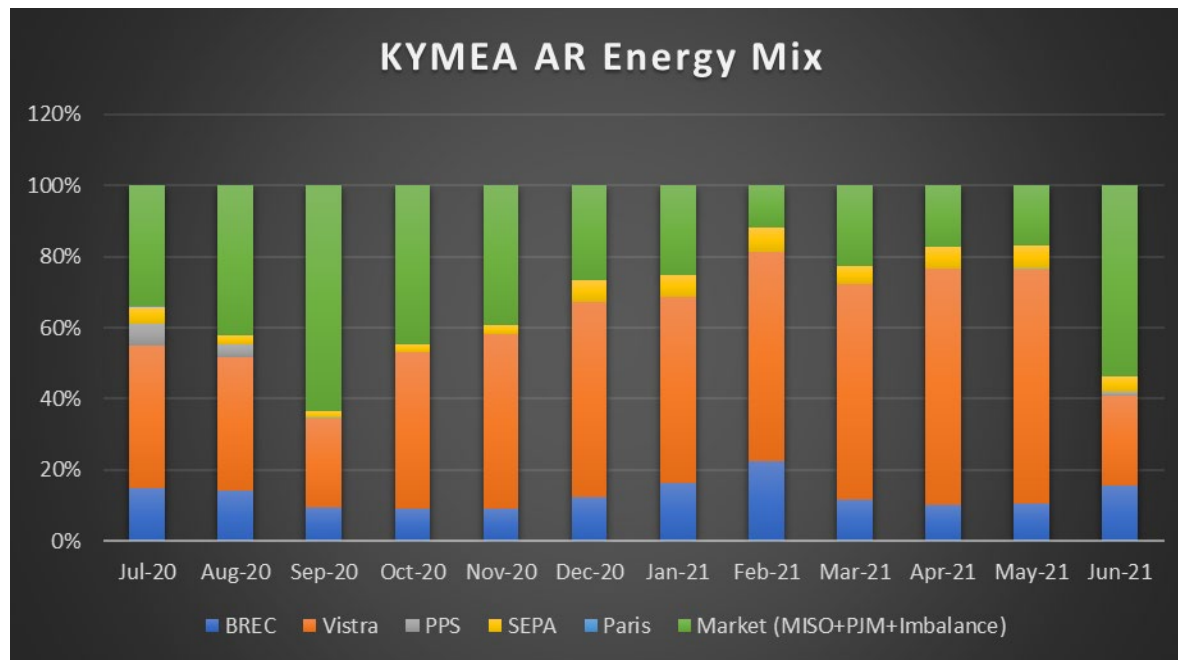
PPS PPA Capacity Factor FY 21



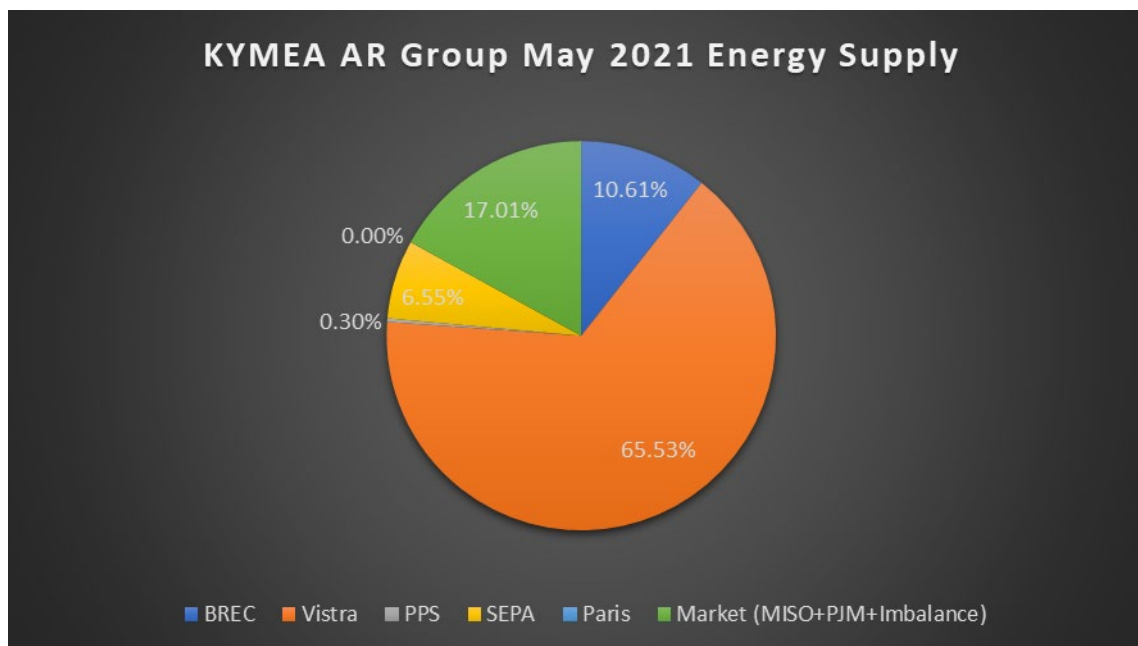
SEPA Capacity Factor FY 21



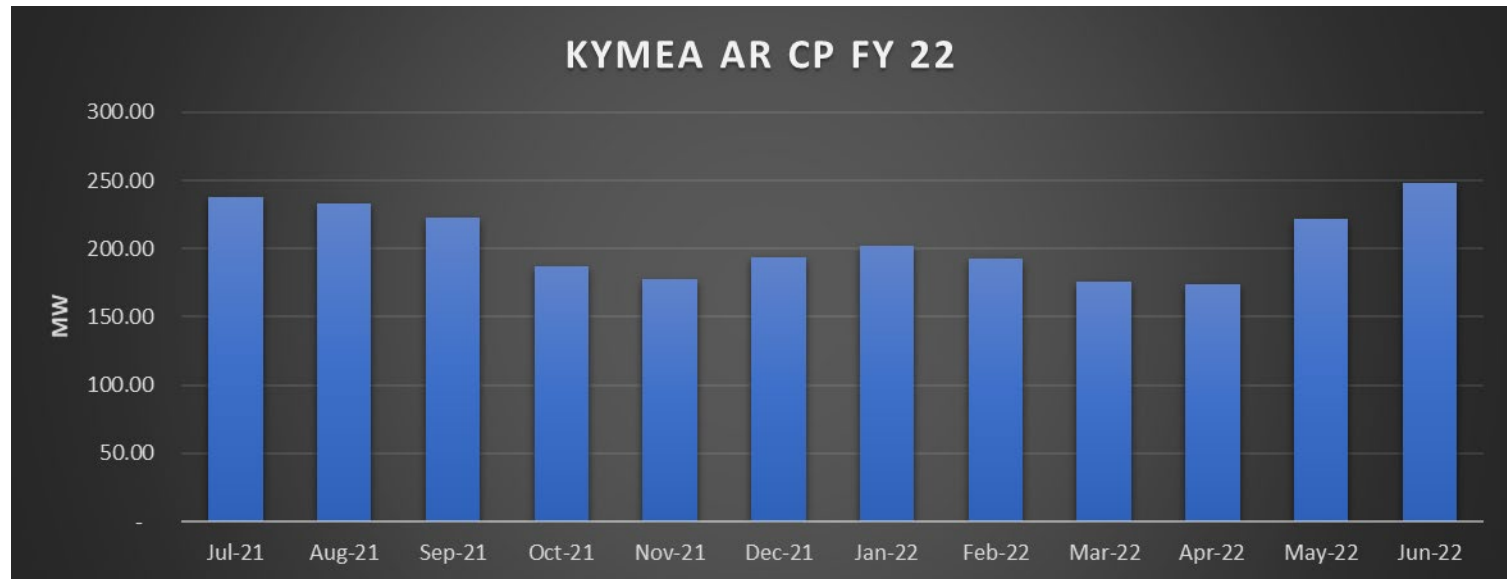
KYMEA AR Energy Mix FY 21



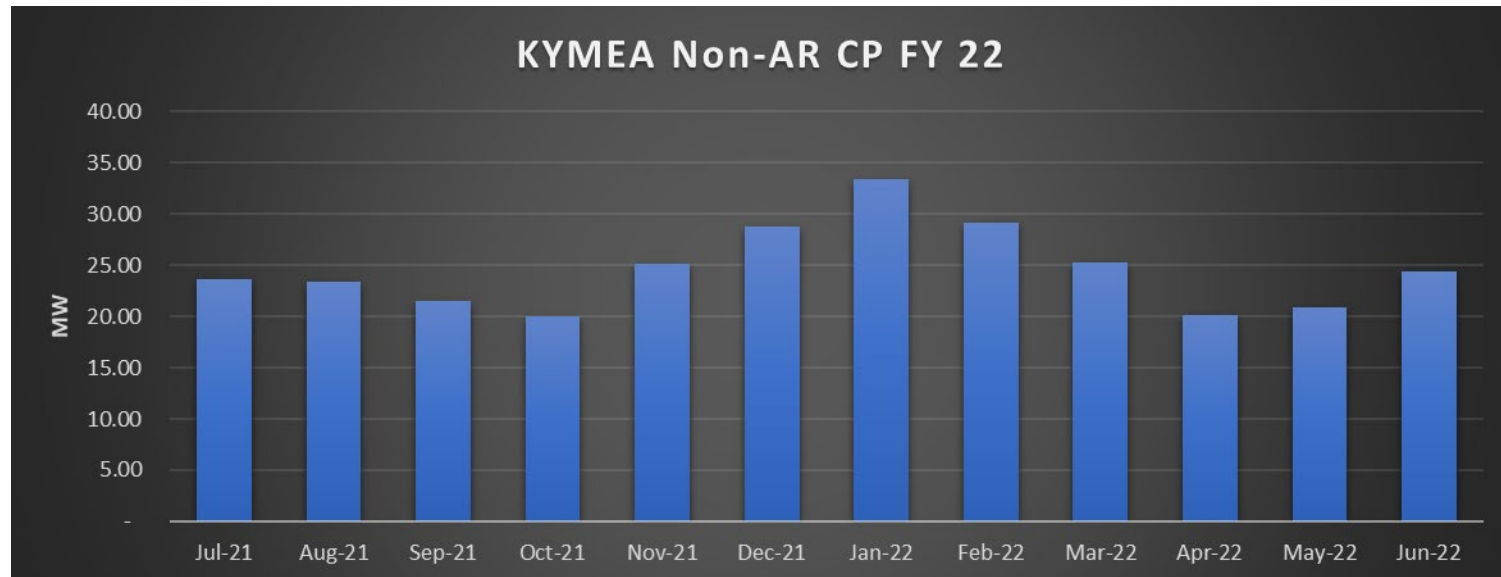
KYMEA AR Energy Mix



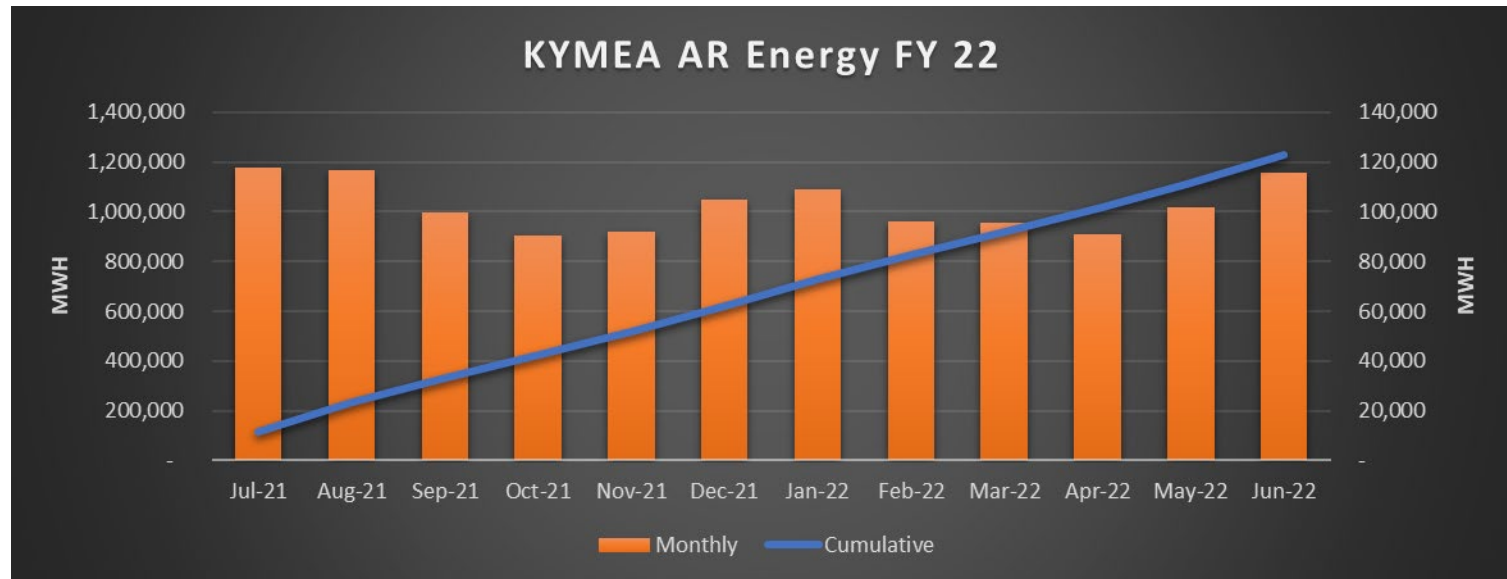
KYMEA AR Coincident Peak FY 22'



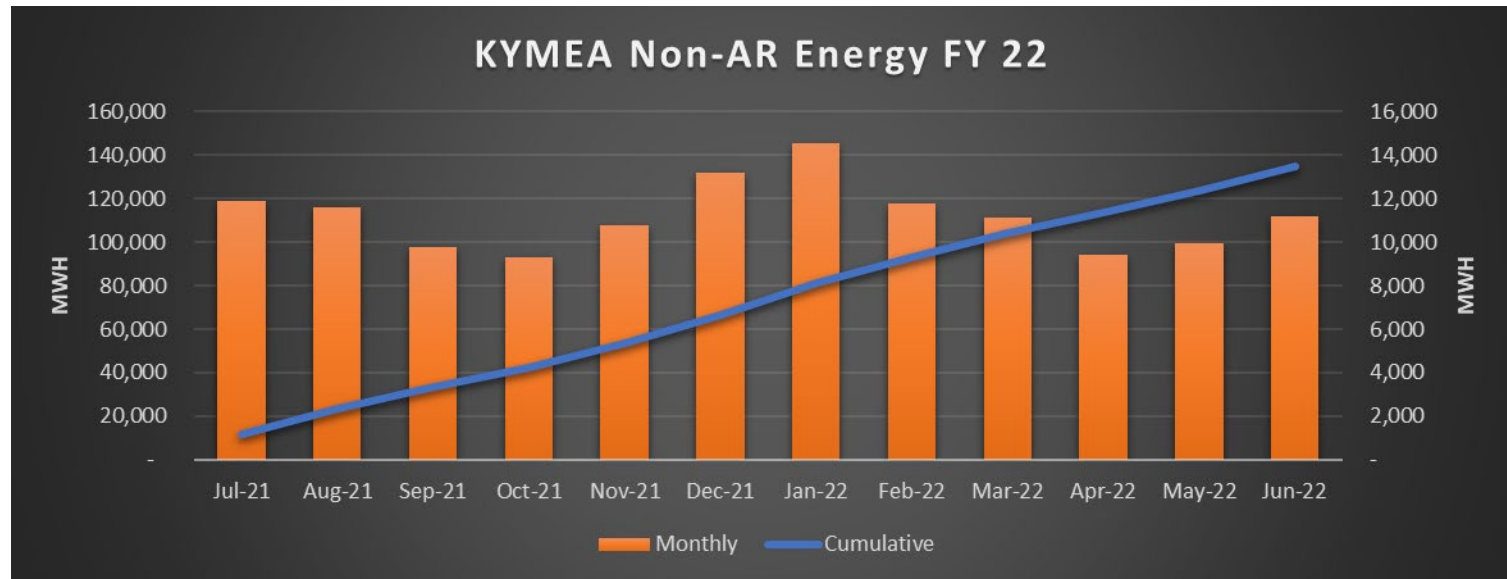
KYMEA Non-AR Coincident Peak FY 22'



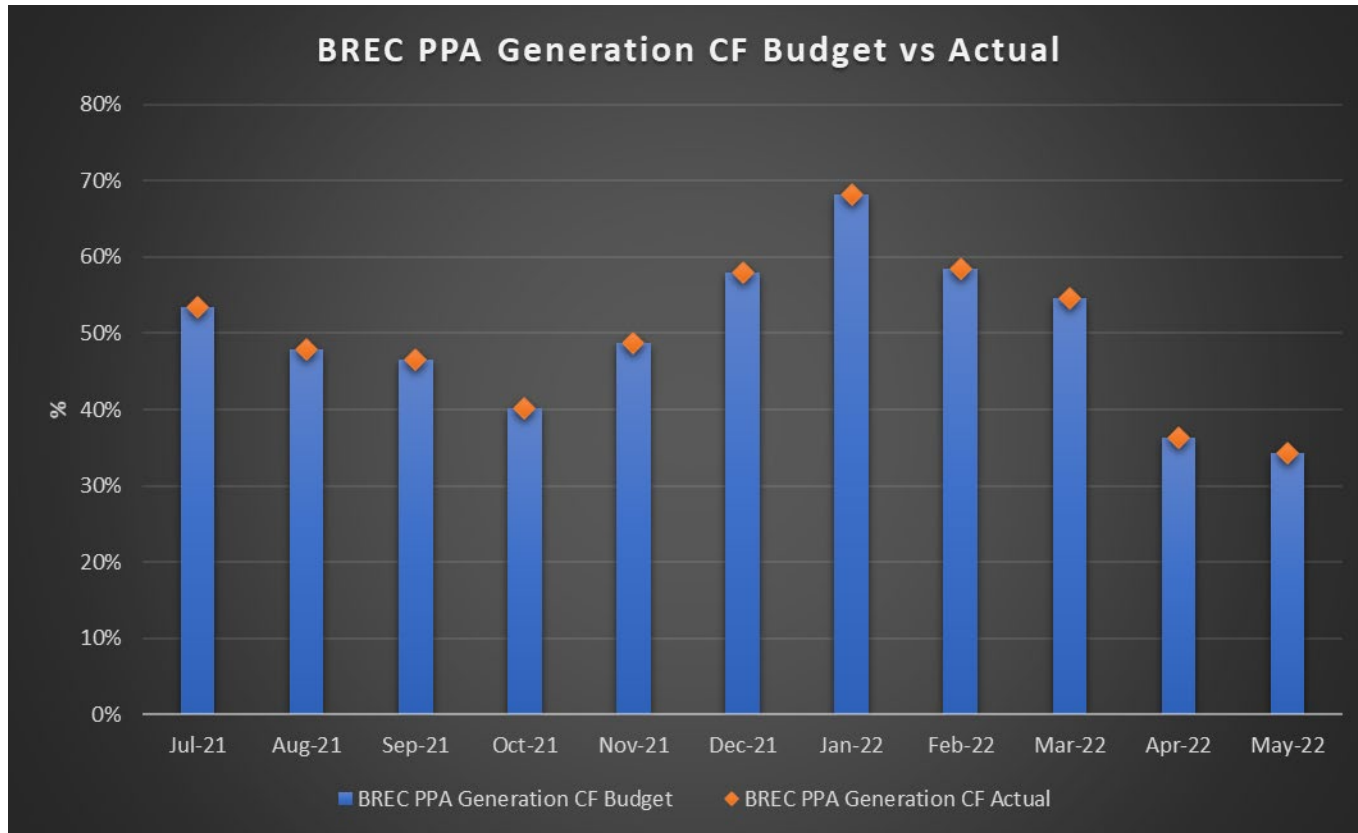
KYMEA AR Energy Consumption FY 22'



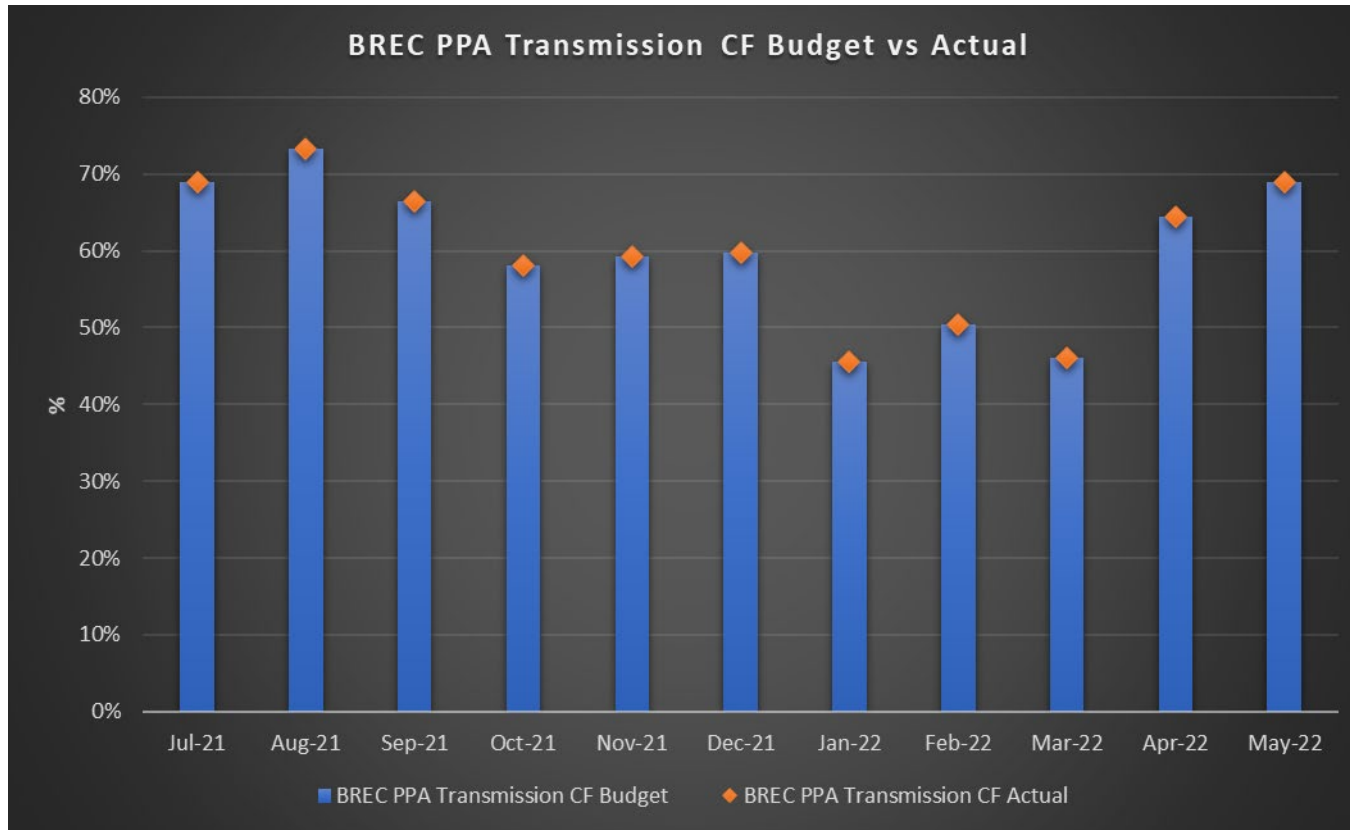
KYMEA Non-AR Energy Consumption FY 22'



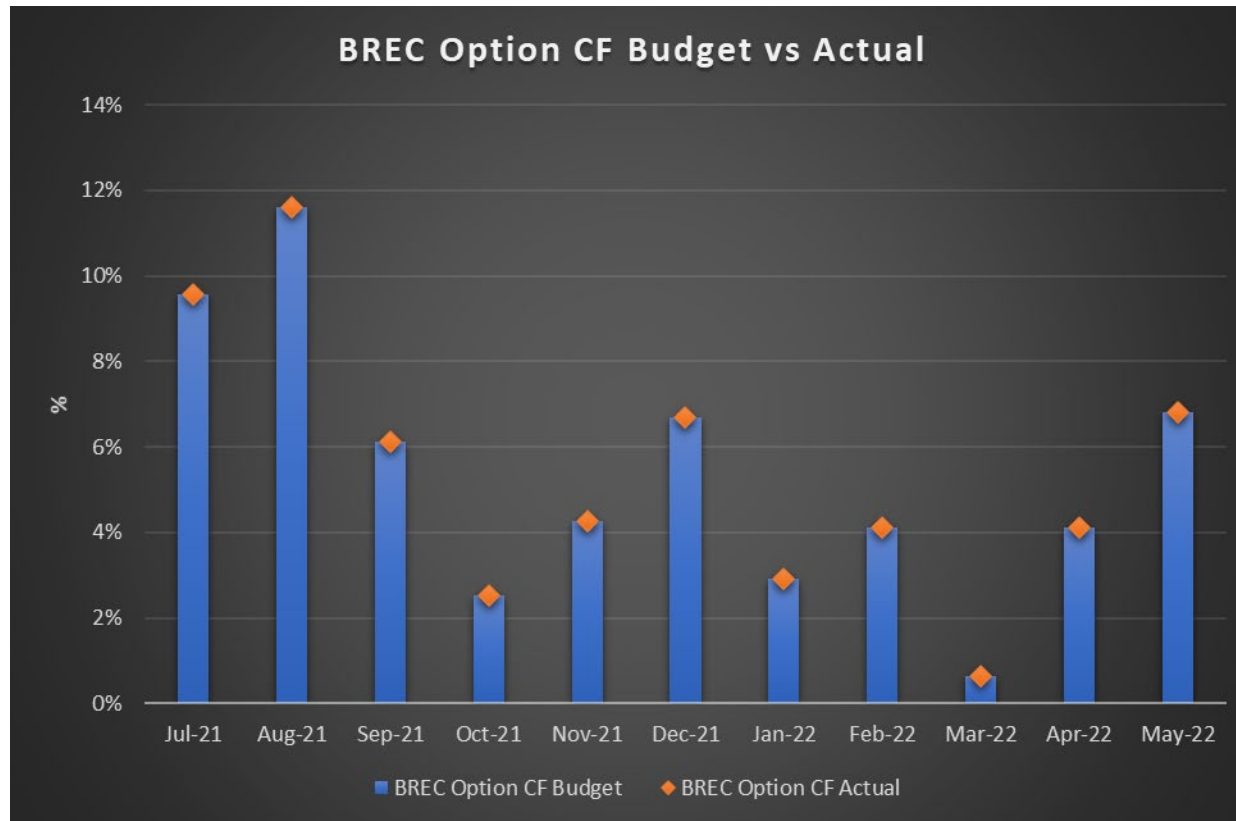
BREC Gen PPA Capacity Factor FY 22



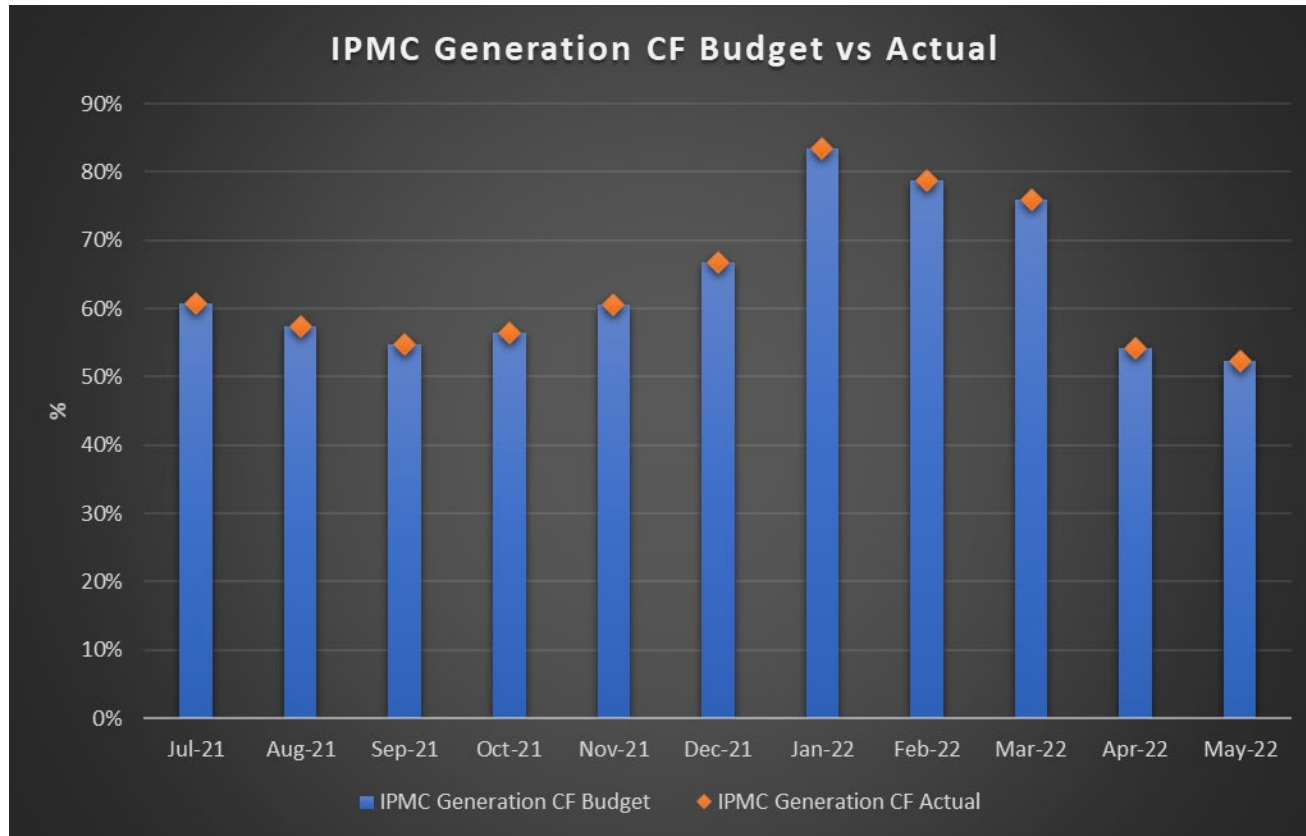
BREC Trans PPA Capacity Factor FY 22



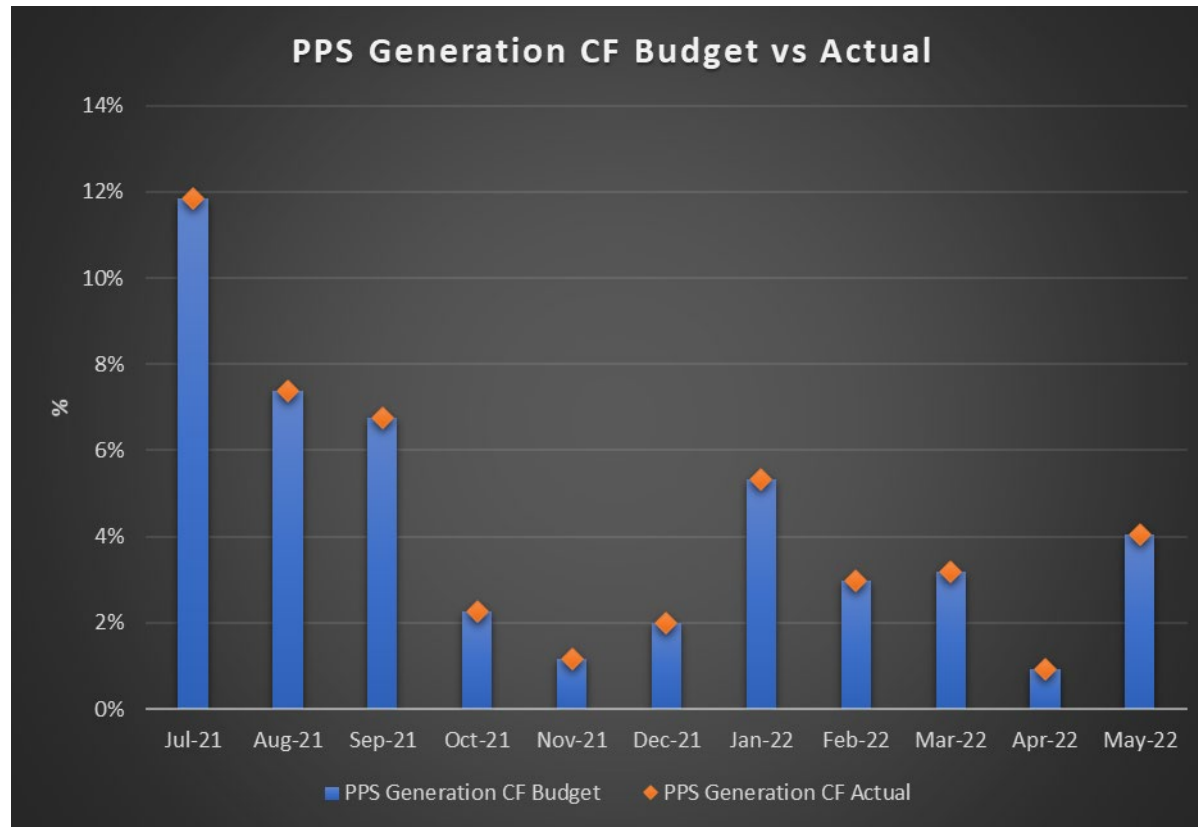
BREC Option Capacity Factor FY 22



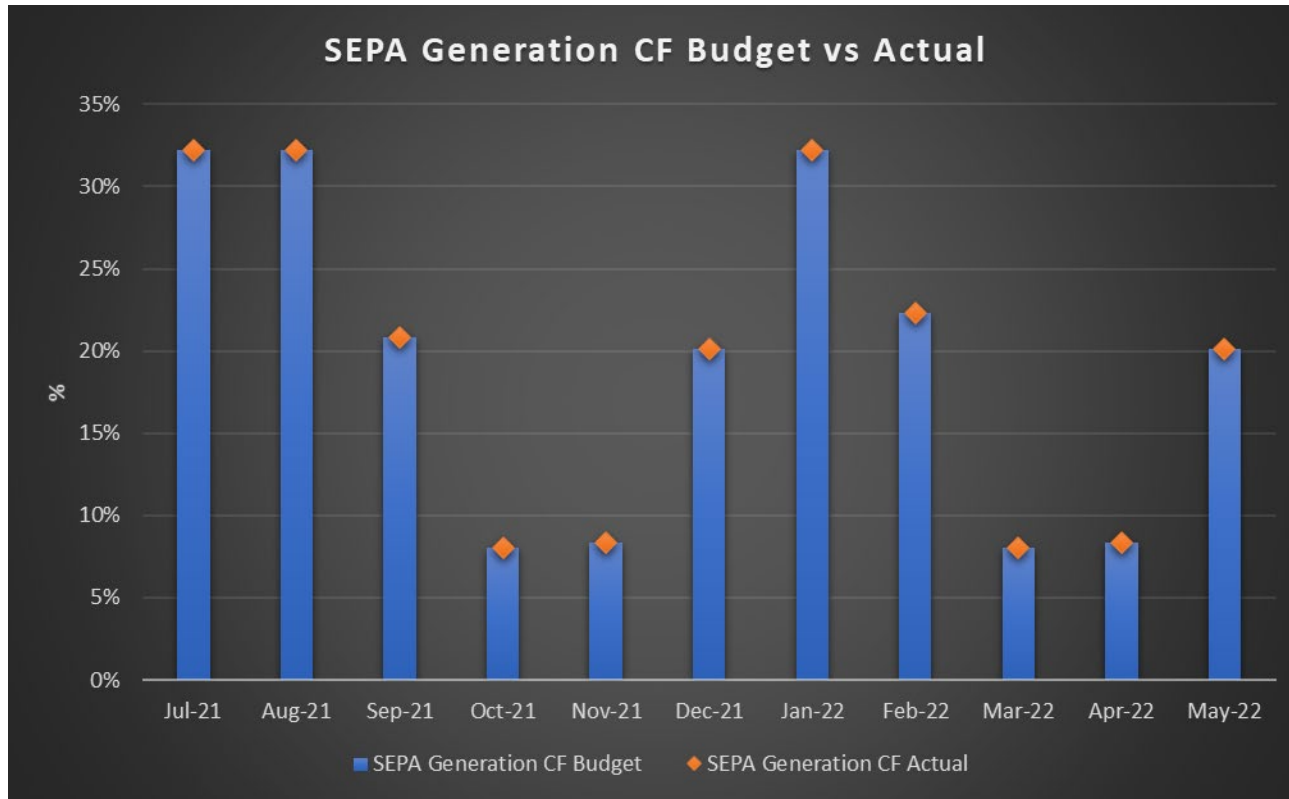
EEI/LGEE Capacity Factor FY 22



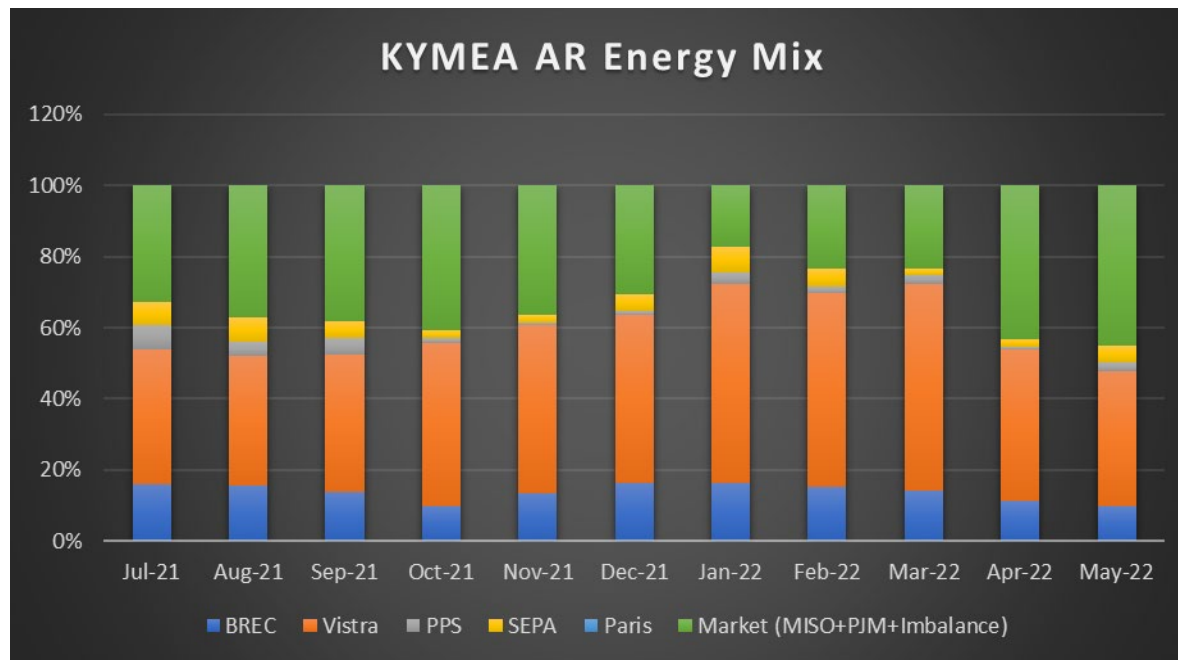
PPS PPA Capacity Factor FY 22



SEPA Capacity Factor FY 22

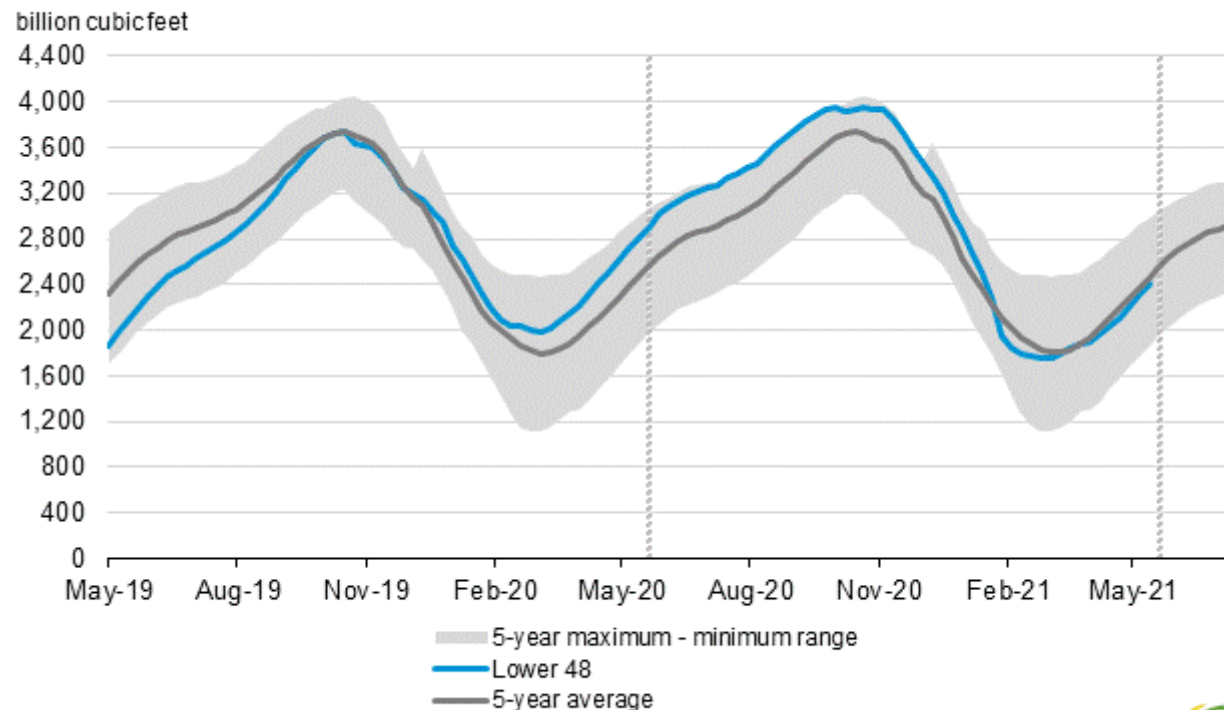


KYMEA AR Energy Mix FY 22



Working Gas in Storage

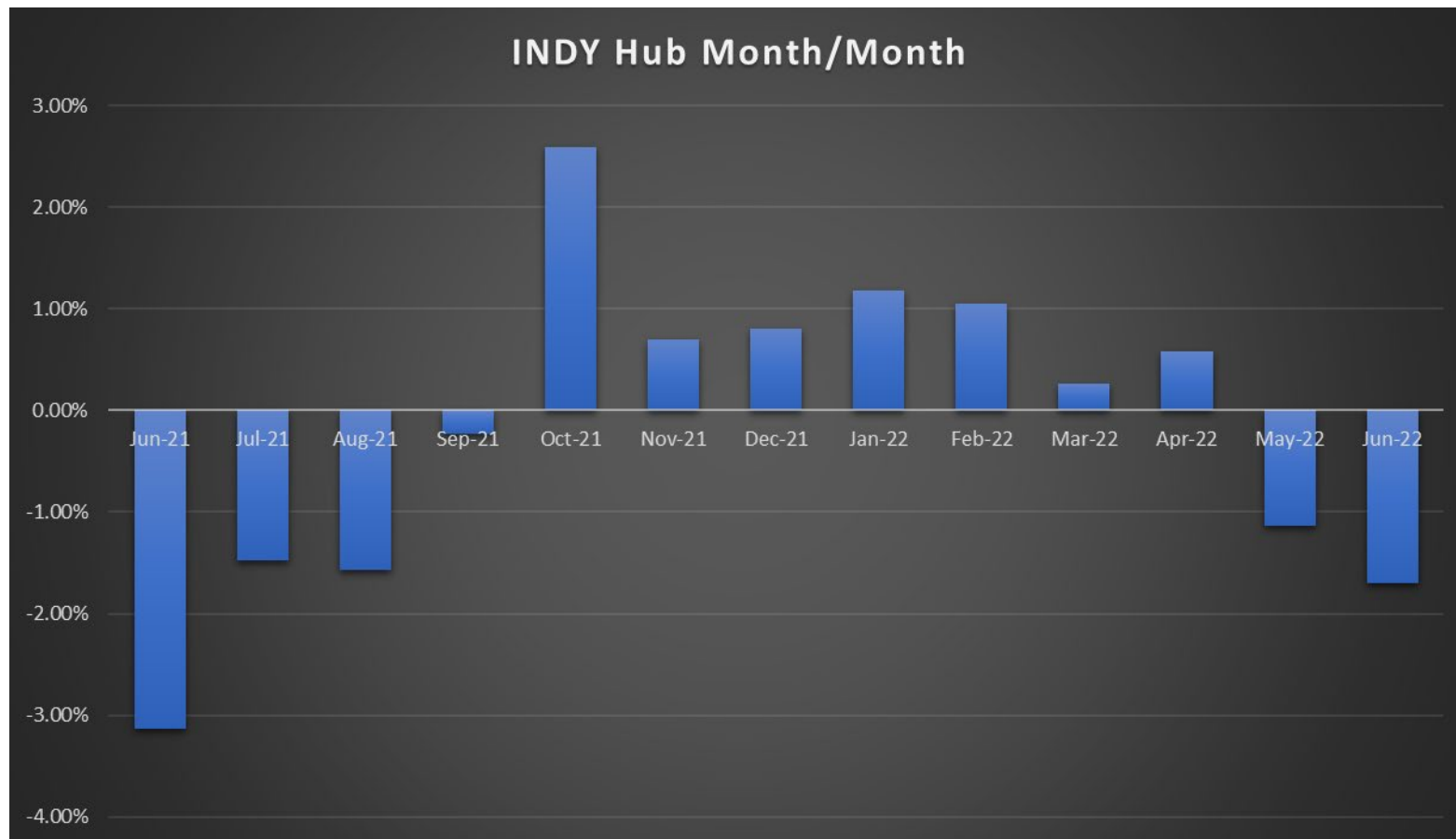
Working gas in underground storage compared with the 5-year maximum and minimum



Source: U.S. Energy Information Administration



Indiana Hub ATC



Tetco M1 30"

