



Responses to RASTF Data Analysis requests

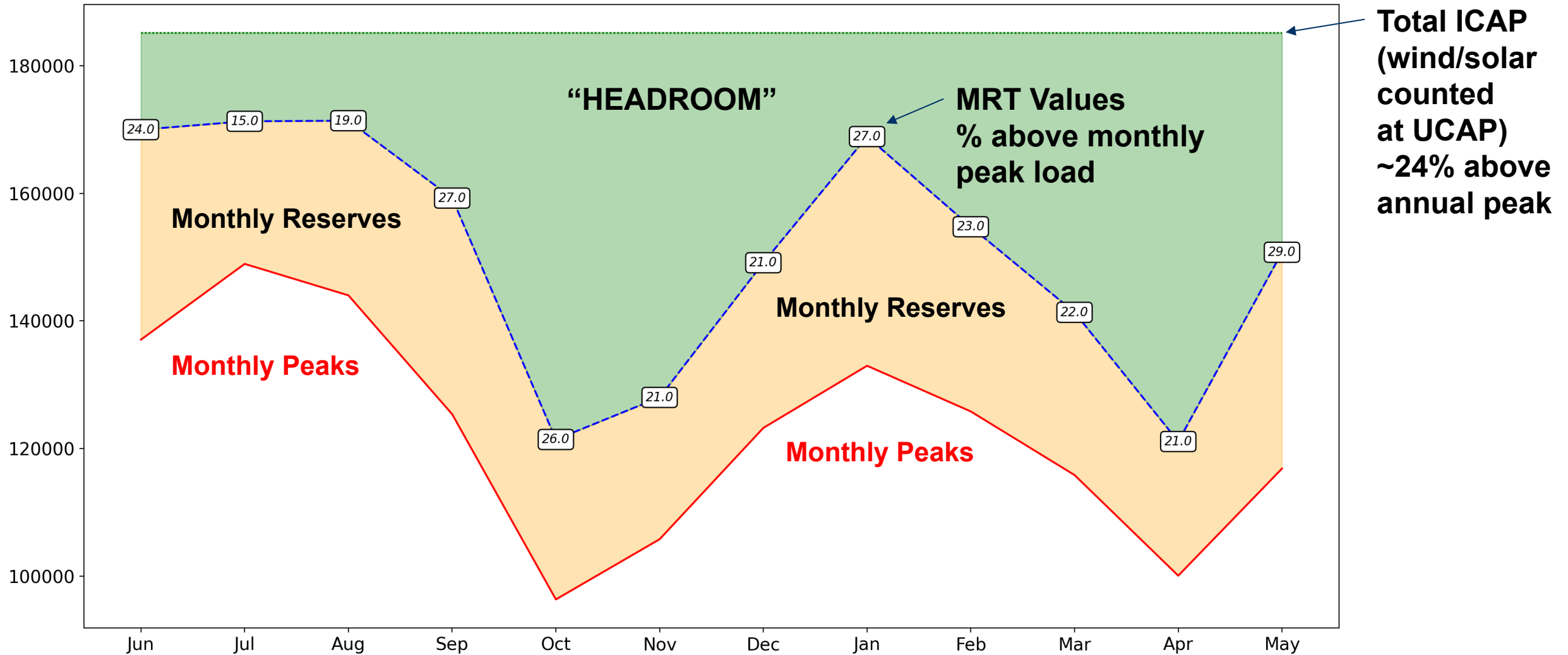
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Resource Adequacy Planning
RASTF
December 22, 2022



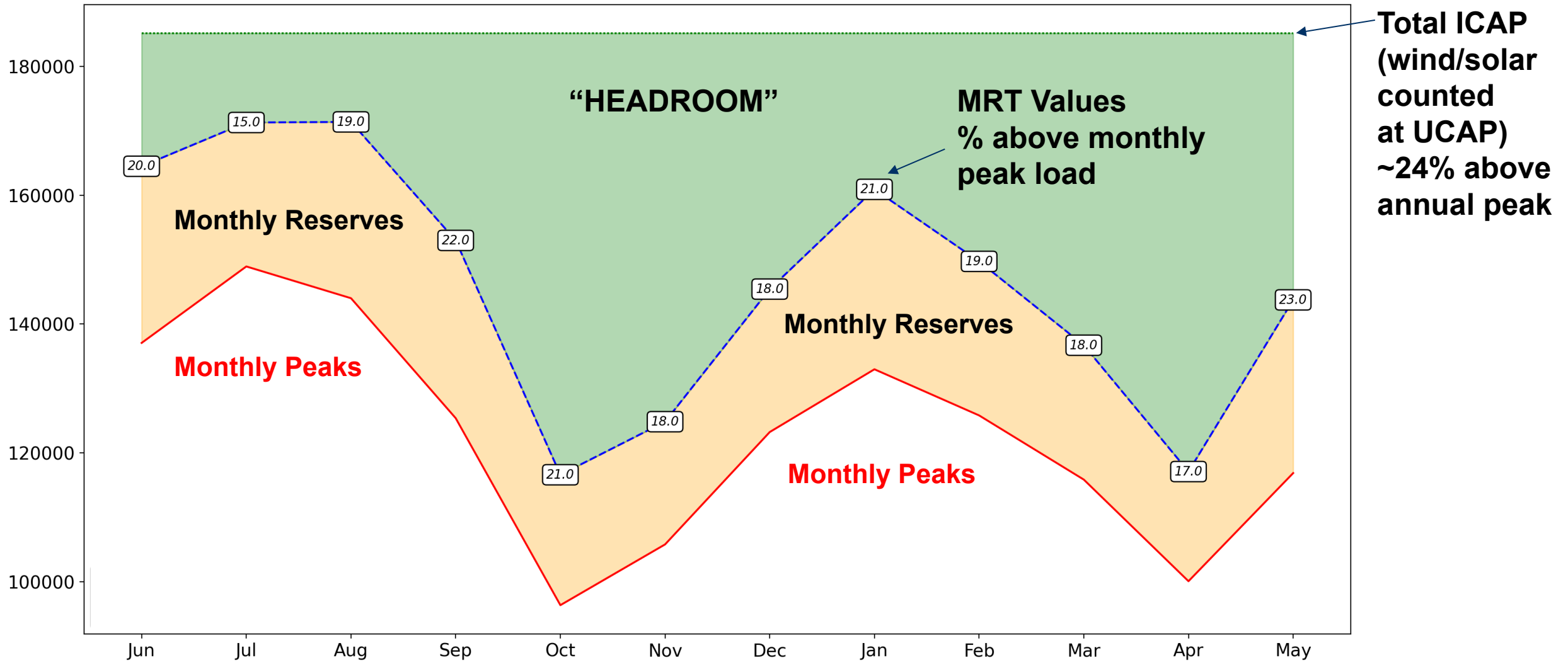
Estimates of “Headroom” under an Annual RPM Construct

- Headroom could be calculated based on Monthly Reserve Targets (MRTs).
 - Headroom refers to the outage MWs that PJM could potentially accommodate based on a reliability criteria
 - MRTs are only calculated for illustrative purposes for this presentation
- MRTs are calculated using a methodology similar to the Winter Weekly Reserve Target methodology but applied to each month of the year
- Two LOLE threshold levels were used to estimate the “Monthly Reserve Targets”
 - 0.001 days/year (currently used in WWRT procedure)
 - 0.01 days/year

- Procedure
 - Step 1: Set up an IRM case with total LOLE = 0.1 days/year.
 - Step 2: In addition to the required planned outage schedule, simulate additional planned outages during each week of the year **until the weekly LOLE is the threshold level.**
 - If the weekly LOLE is already greater than the threshold level, do not model any planned outages in that week.
 - Step 3: Calculate the available reserves in each of the weeks as a percentage of the corresponding monthly peak.
 - Step 4: The MRT for each month is the highest weekly reserve percentage (rounded up to the next integer value).



2022/23 DY MRT values using 0.01 days/year threshold



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