



Correction to MISO F2/F3 EGEAS Resource Expansion

Planning Advisory Committee

November 10, 2021

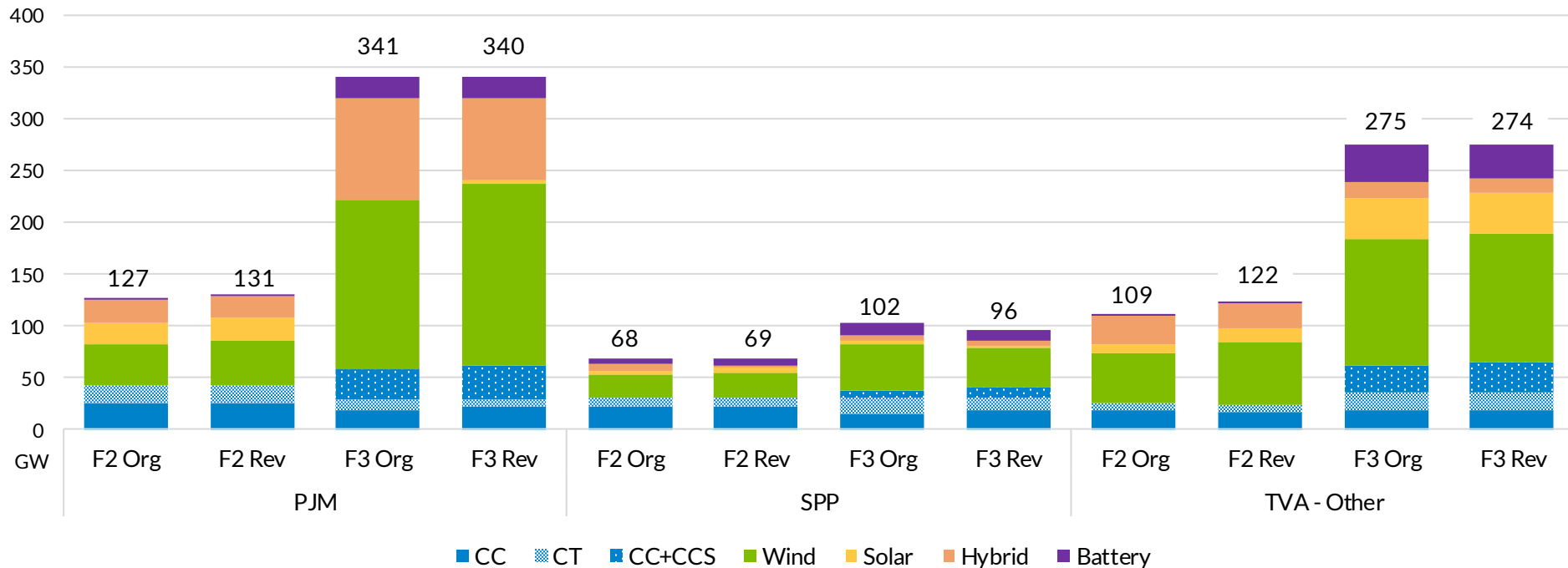
Overview



- As discussed during the September PAC, MISO reran the EGEAS analyses for Futures 2 & 3 to apply the originally developed load profiles for each year in the expansion.
- Expansion results for the MISO footprint were presented during the October 13 PAC.
- Expansion results for the external areas are complete, along with the siting for MISO and the external areas.

External resource expansion is complete with the results showing similar trends as the original analysis

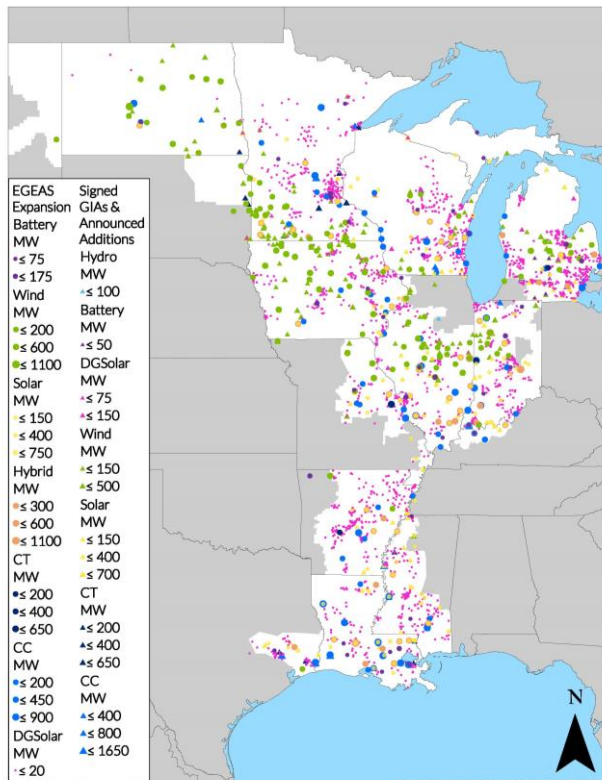
External Resource Expansion (GW)



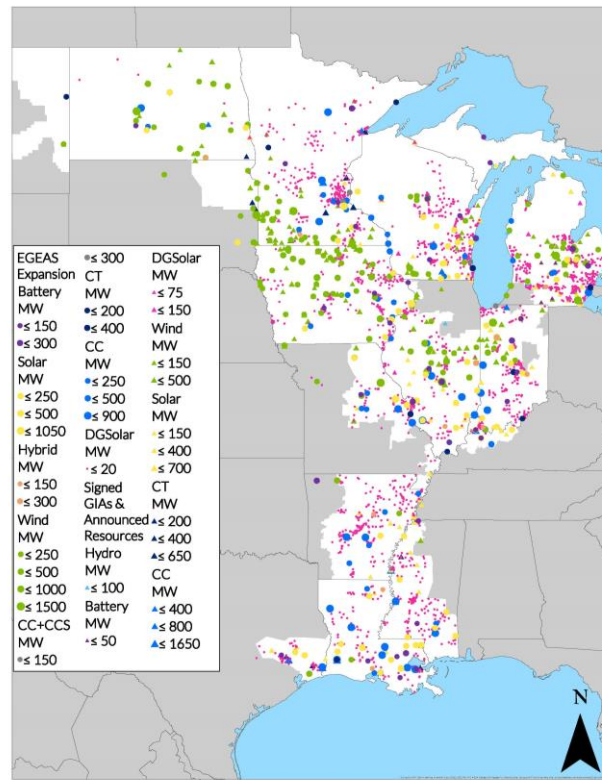
3 * See appendix for detail on the change in types of resources included in the expansion for F2 and F3 in the external areas.

Future 2 MISO Resource Siting Results – Additional detail available in the posted MISO Siting Workbook

Original Future 2 Total Expansion

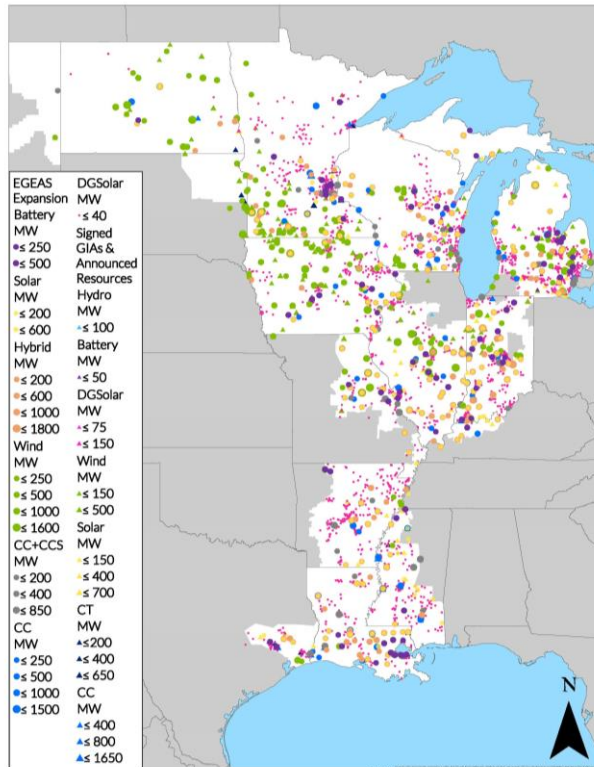


Corrected Future 2 Total Expansion

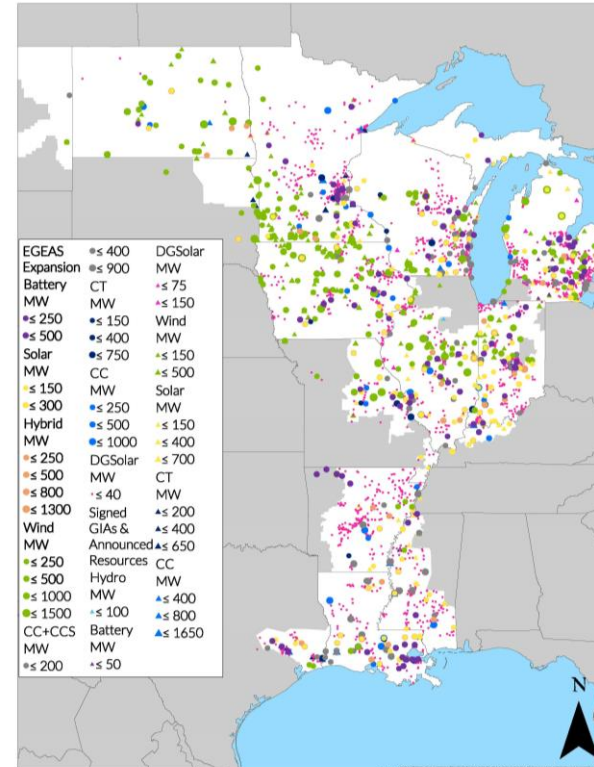


Future 3 MISO Resource Siting Results – Additional detail available in the posted MISO Siting Workbook

Original Future 3 Total Expansion



Corrected Future 3 Total Expansion



Next Steps – MISO to update the Futures Report and the other publicly posted Futures documents

- Remaining deliverables:
 - Revised MISO Futures Report reflecting corrected resource expansions
 - Updates to other Futures materials publicly posted on MISO website
- Futures 2 and 3 economic models, using updated resource expansion results, are expected to be completed by the end of November 2021

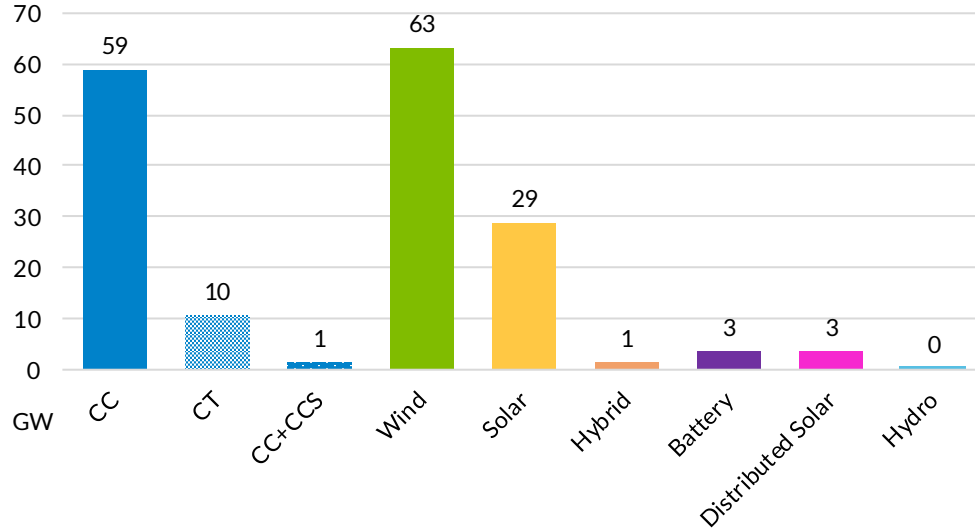
Links to related materials

- [MISO Futures Development webpage](#)
 - [April 2, 2021 Final Report Publication](#)
 - [MISO Futures - One-Page Summary](#)
 - [MISO Futures - Summary PowerPoint Presentation](#)
 - [Futures Retirements \(.xlsx\)](#)
 - [Futures Resource Siting \(.xlsx\)](#)
- Prior PAC presentations:
 - [September 2021 Future presentation](#)
 - [October 2021 Future presentation](#)

Appendix

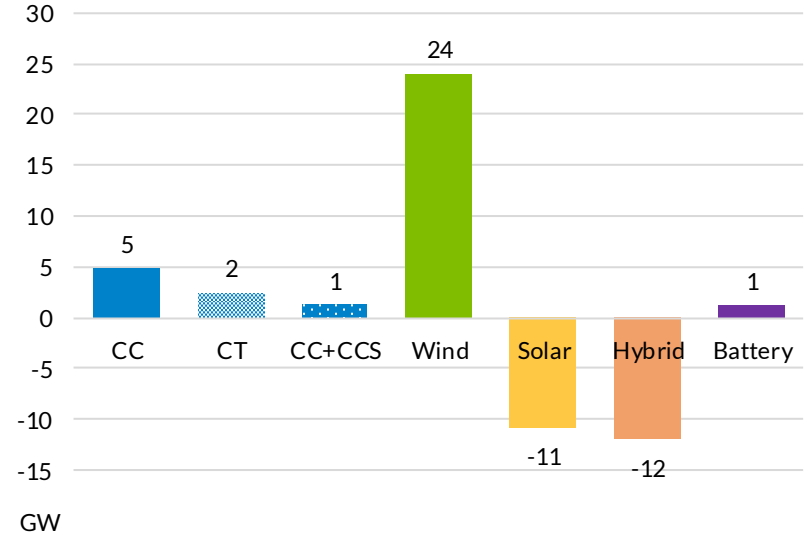
10 GW is added to the MISO Future 2 expansion, which is about a 7% increase from the original resource expansion

Revised Future 2 Resource Additions



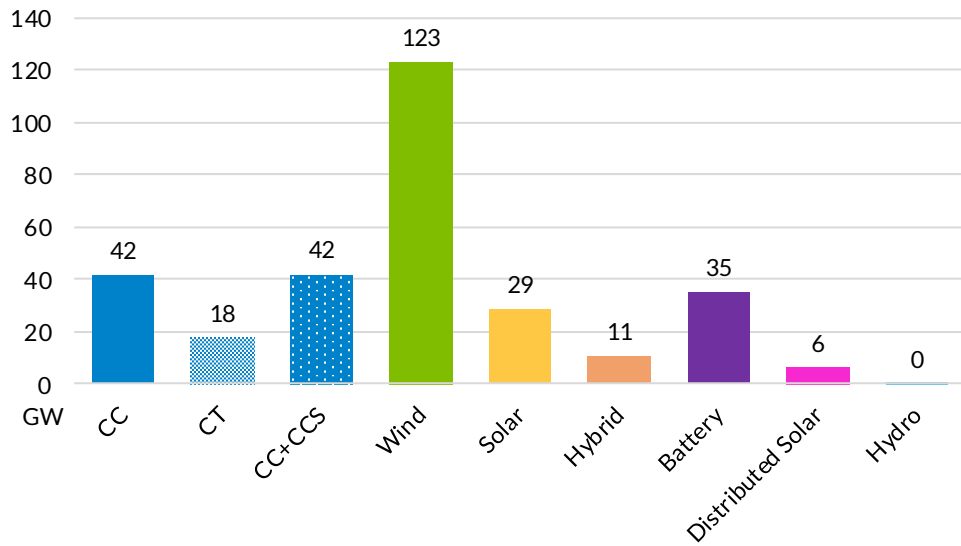
Resource Additions Comparison

(Updated F2 Additions - Original F2 Additions)



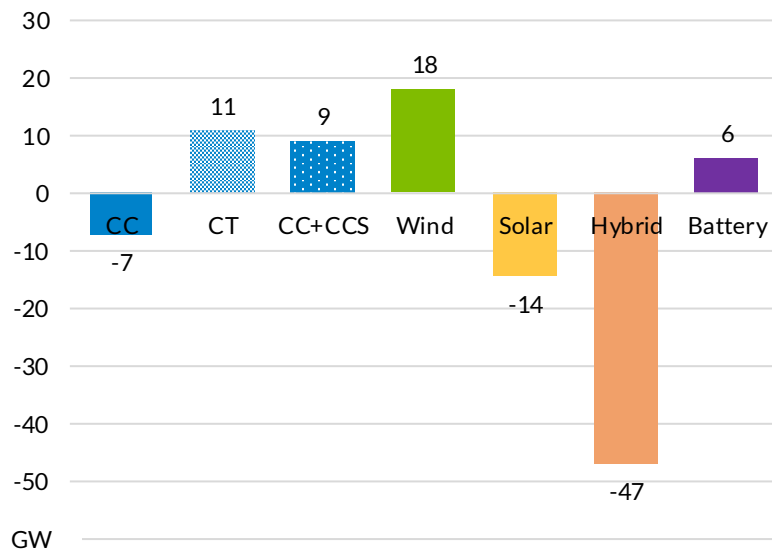
24 GW is removed from the MISO Future 3 expansion, which is about a 7% decrease from the original resource expansion

Revised Future 3 Resource Additions



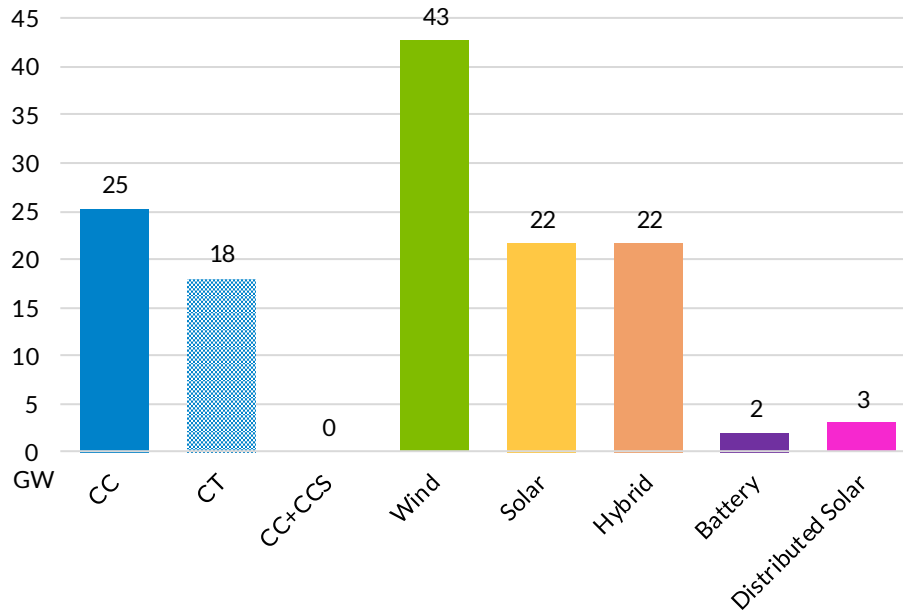
Resource Additions Comparison

(Updated F3 Additions - Original F3 Additions)



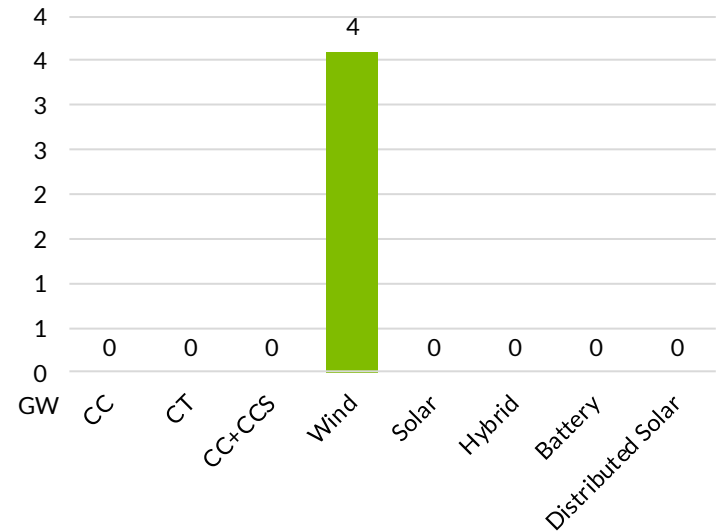
4 GW is added to the PJM Future 2 expansion, which is about a 2% increase from the previous resource expansion

Revised Future 2 Resource Additions



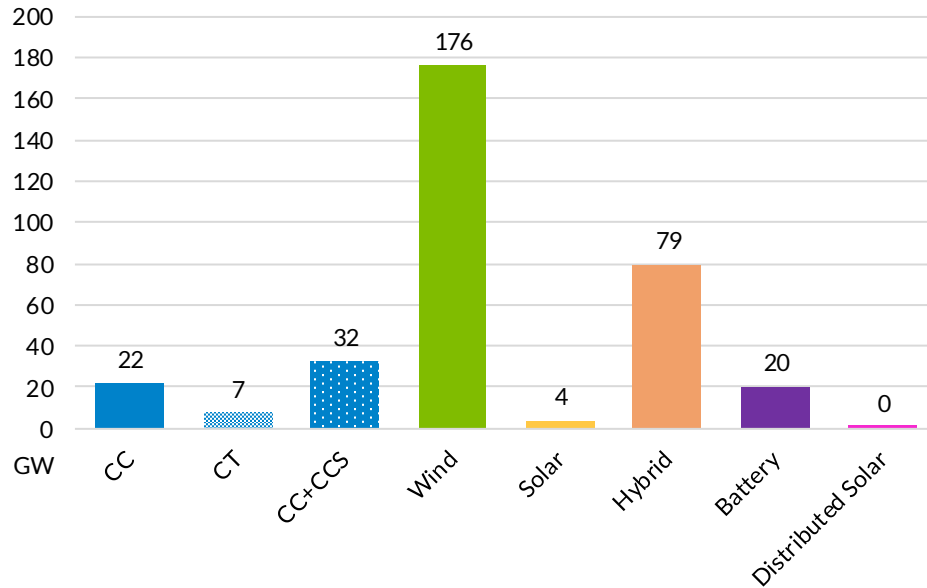
Resource Additions Comparison

(Updated F2 Additions - Original F2 Additions)



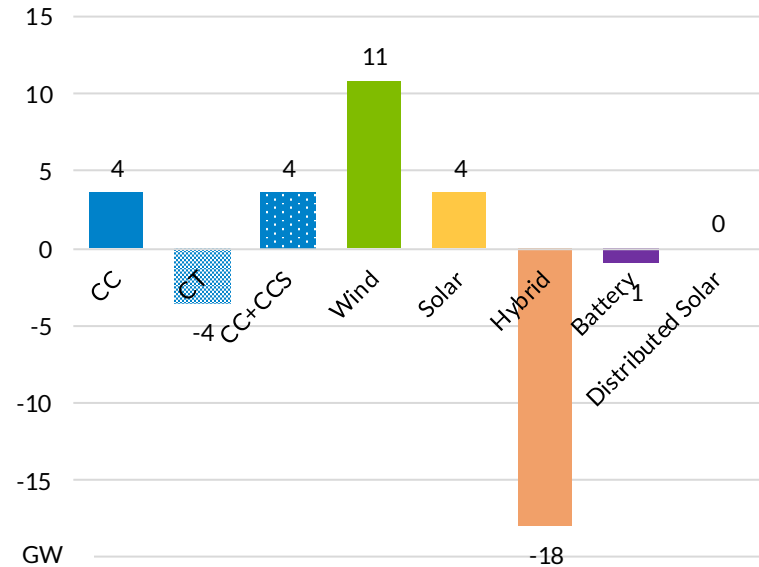
1 GW is removed from the PJM Future 3 expansion, which is about a 0.3% decrease from the previous resource expansion

Revised Future 3 Resource Additions



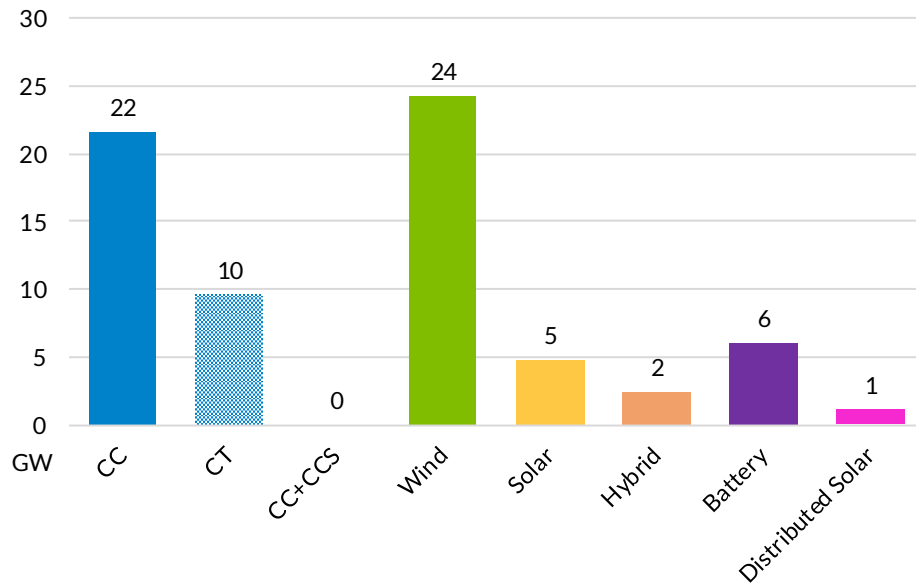
Resource Additions Comparison

(Updated F3 Additions - Original F3 Additions)



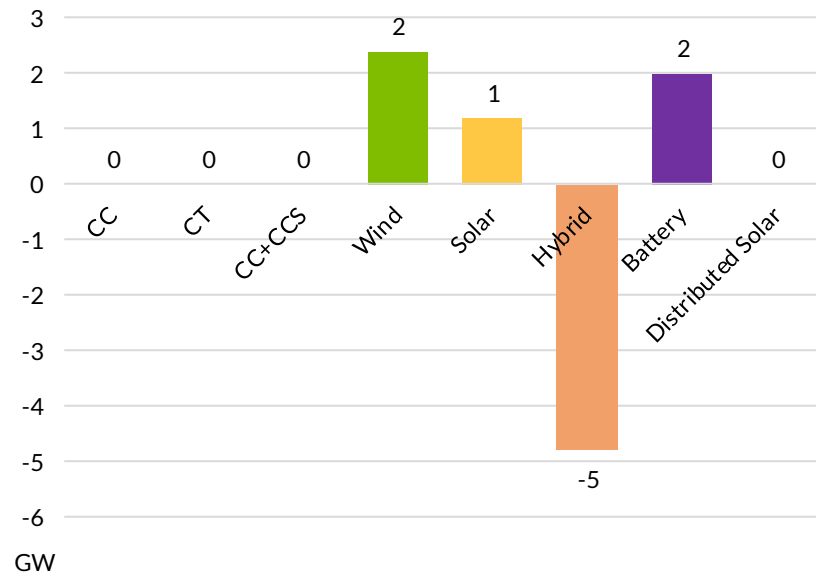
0.8 GW is added to the SPP Future 2 expansion, which is about a 1% increase from the previous resource expansion

Revised Future 2 Resource Additions



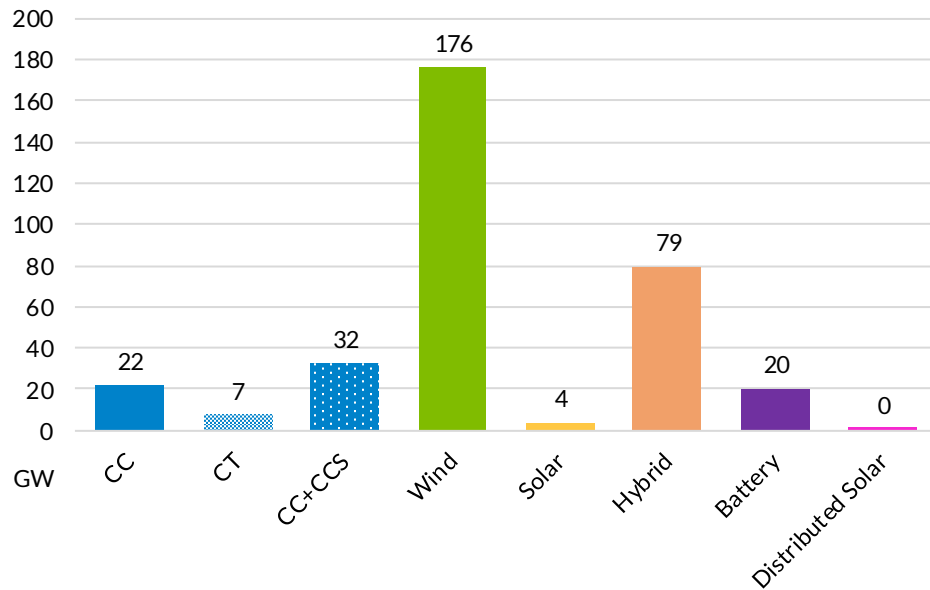
Resource Additions Comparison

(Updated F2 Additions - Original F2 Additions)



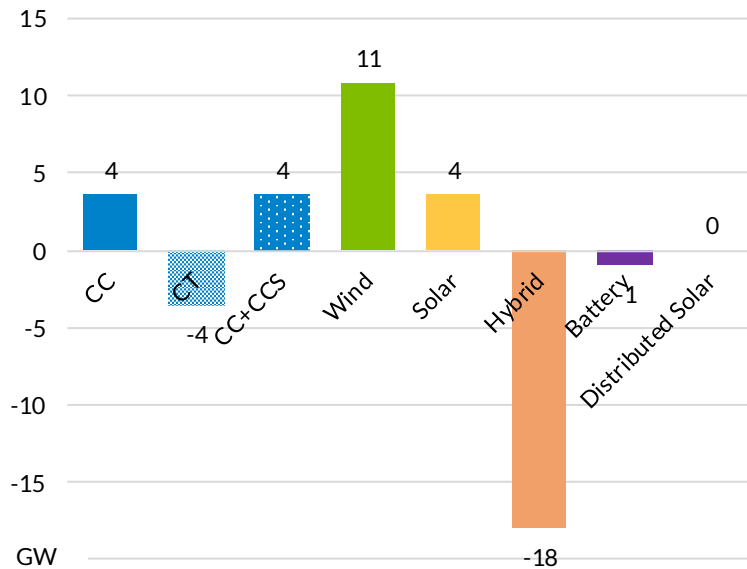
6.3 GW is removed from the SPP Future 3 expansion, which is about a 6% decrease from previous resource expansion

Revised Future 3 Resource Additions



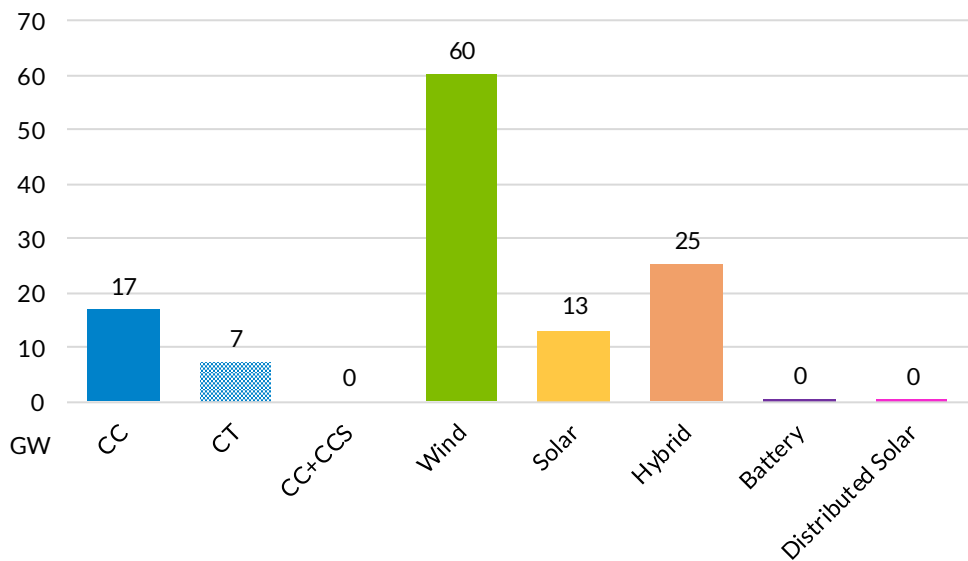
Resource Additions Comparison

(Updated F3 Additions - Original F3 Additions)



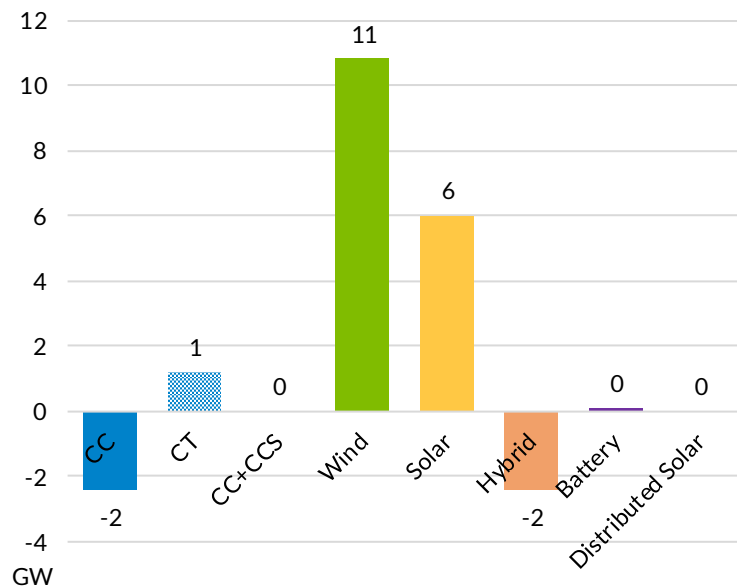
13.3 GW is added to the TVA-Other Future 2 expansion, which is about a 12% increase from the previous resource expansion

Revised Future 2 Resource Additions



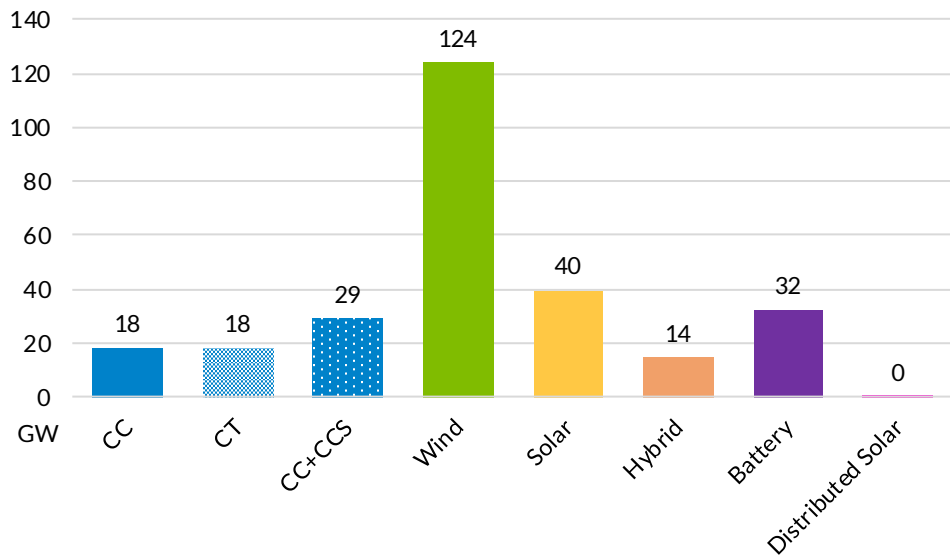
Resource Additions Comparison

(Updated F2 Additions - Original F2 Additions)



0.4 GW is removed from the TVA-Other Future 3 expansion, which is about a 0.4% decrease from previous resource expansion

Revised Future 3 Resource Additions



Resource Additions Comparison

(Updated F3 Additions - Original F3 Additions)

