



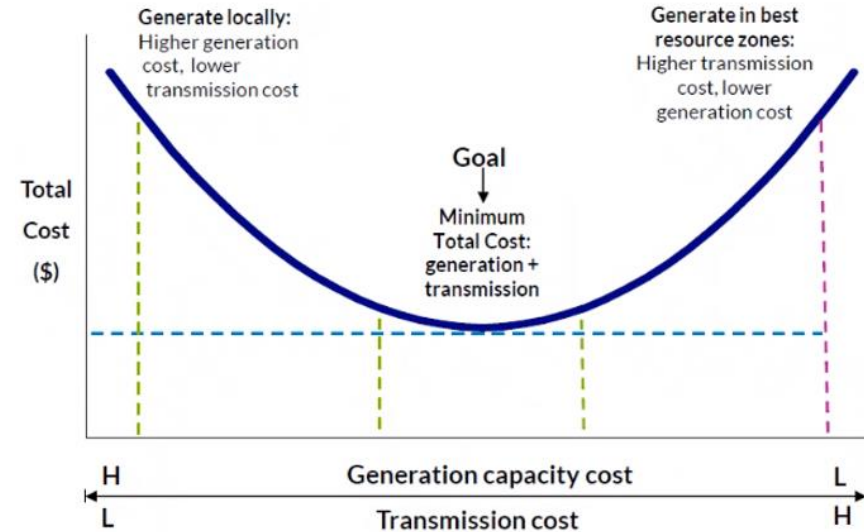
Cost of Local vs Regional Resource Development

Long Range Transmission Planning Workshop

October 19, 2021

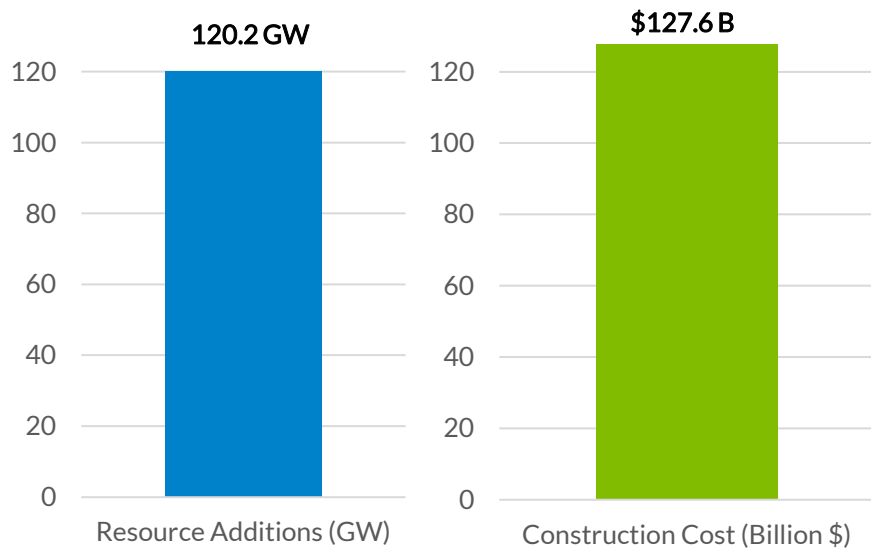
How does the future resource expansion differ when applying a local vs regional approach?

- Past experiences with the smile-curve tell us that leveraging regional resources will be more cost-effective than a local build out:
 - Magnitude, cost, & locations of resources differ based upon approach used.
 - Regional transmission is the bridge between these scenarios.
- Today's discussion is focused on:
 - What would the resource expansion look like under a local versus regional build-out?
 - How would the costs to construct such resource expansion differ?

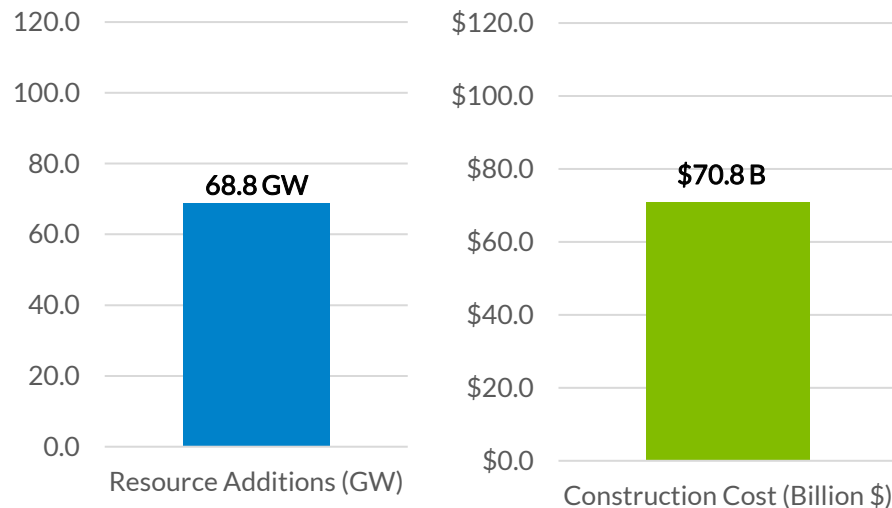


Initial analysis indicates a local resource expansion requires significantly more resources than the F1 resource expansion

Local Resource Expansion



Regional Resource Expansion



- Potentially a 50 GW difference in the size of the expansion equating to ~\$57 billion in costs

Next Steps – Perform a local resource expansion using the same assumptions in MISO Future 1

- Focus will be on a local resource expansion based upon MISO Future 1 for each LBA aggregated up to compare with regional results.
- Further discuss additional resource expansion analysis in support of the LRTP business justification.
- The cost-effective LRTP transmission will be that needed to reliably bridge the gap.