

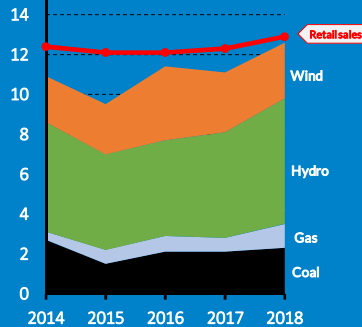
SOUTH DAKOTA

As a state, South Dakota consumes more electricity than it generates within state borders; as a result, it is a net importer of the MISO system.

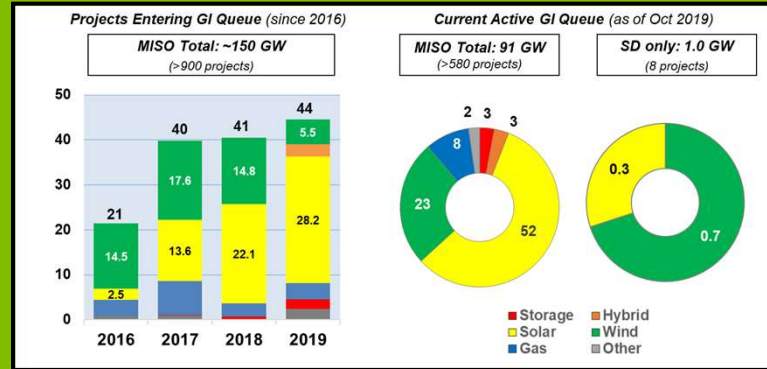
MISO's West Region is experiencing increasingly high dropout rates due to very high upgrade costs.

Achieving fleet transition objectives in the Midwest will require additional investment in large scale (backbone) projects.

South Dakota "In State" Retail Sales vs. Generation (million MWh/yr)

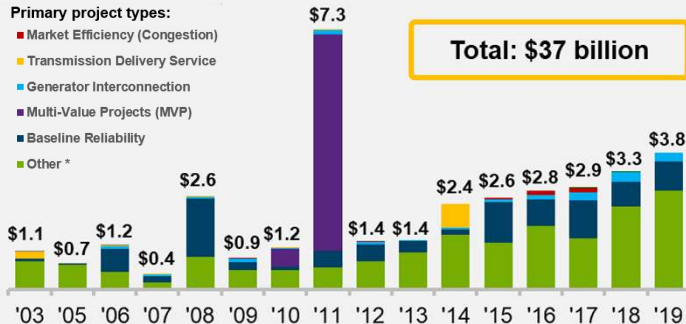


MISO's Generator Interconnection (GI) Queue (in GW)



MISO's Transmission Expansion Plan (MTEP)

Approved Investment by Year and Project Category (in billions)



* Other = Projects based on local Transmission Owner identified needs including reliability, economics, equipment age and condition, environmental, etc.

Multi-Value Projects (MVPs)

- 17 Projects - \$6.6 Billion, 13 Projects in Service (as of Q2 2019)
- Transmission investment in MISO is trending up, but largely due to smaller "Band-Aid" projects rather than system "backbone" projects.
- Status of South Dakota MVP Projects.**
 - Big Stone - Bookings (Complete) - \$123 (in millions)
 - Bookings, SD - SE Twin Cities (Complete) - \$670 (in millions)
 - Big Stone South - Ellendale (Complete) - \$247

To achieve fleet transition in the Midwest in a reliable and most efficient (lowest cost) manner, another round of smart regional transmission planning and investment will likely be required.