

Assumptions for Energy Capability Positions

New Resources

Simple Cycle Gas Capacity Factors

- Base Permitting (e.g., Castle Bluff) – 30%
- Constrained Permitting (e.g., Big Hollow) – 20%

Combined Cycle Gas Capacity Factor – 80%

Wind Capacity Factor – 42%

Solar Capacity Factor – 26%

Battery Storage Net Energy – As modeled with IRP assumptions

Nuclear – As modeled with IRP assumptions

Existing Resources

Labadie Capacity Factor – 75%

Sioux Generation – As modeled with IRP assumptions and under low carbon price

Nuclear – As modeled with IRP assumptions

Hydro – As modeled with IRP assumptions

Pumped Hydro – As modeled with IRP assumptions

CTG Fleet – Operating hours based on permit limits as follows (per unit):

Audrain – 2,500 hours

Peno Creek – 1,000 hours

Goose Creek – 58 hours (average)*

Kinmundy – 71 hours (average)*

Pinckneyville 1-4 – 590 hours (average)*

Pinckneyville 5-8 – 32 hours (average)*

Raccoon Creek – 26 hours (average)*

Venice – 142 hours (average)*

* Note: Illinois CTG limits based on 2018-2020 actual production as required by the 2021 Climate and Equitable Jobs Act.