

10 MW Solar + 15 MW Storage

“Distribution Grid Interconnected”

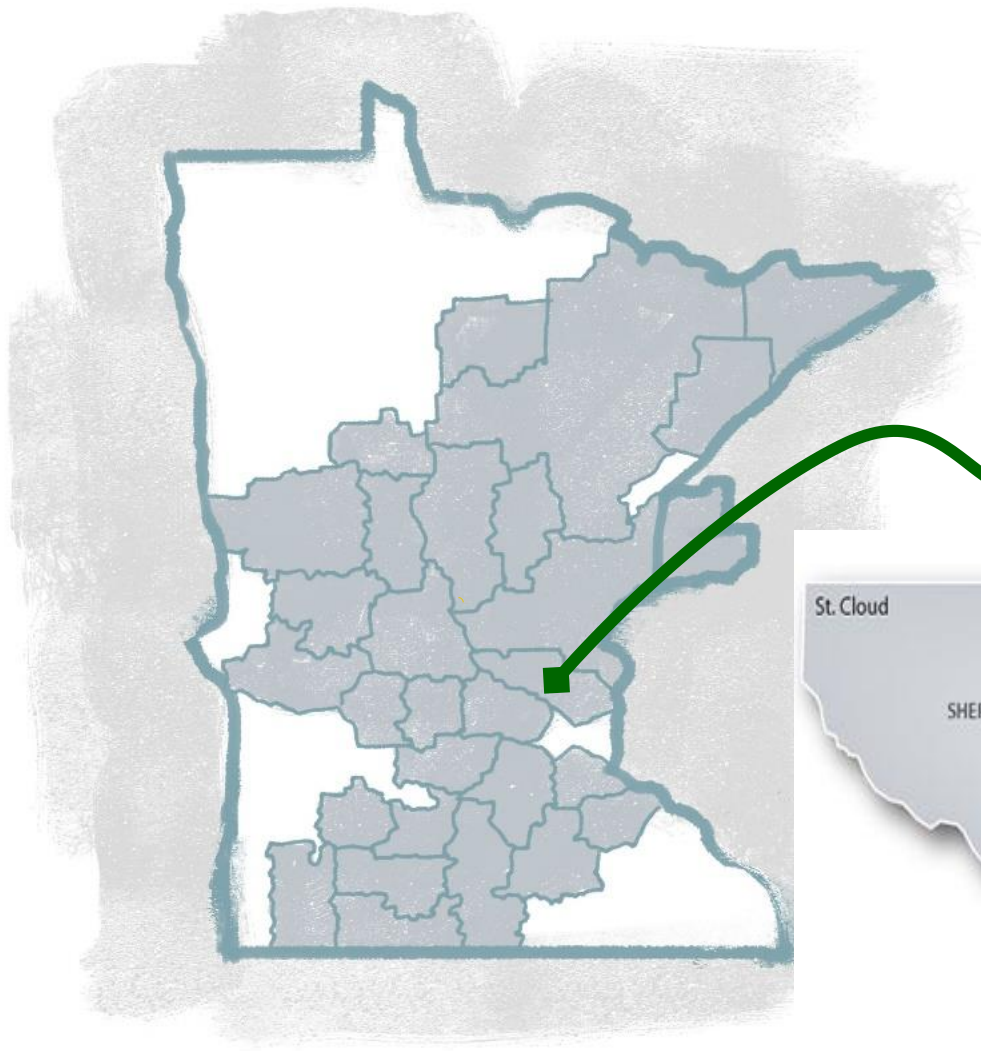


Brian Burandt
Connexus Energy

Solar + Storage



your most powerful membership™



Connexus Energy



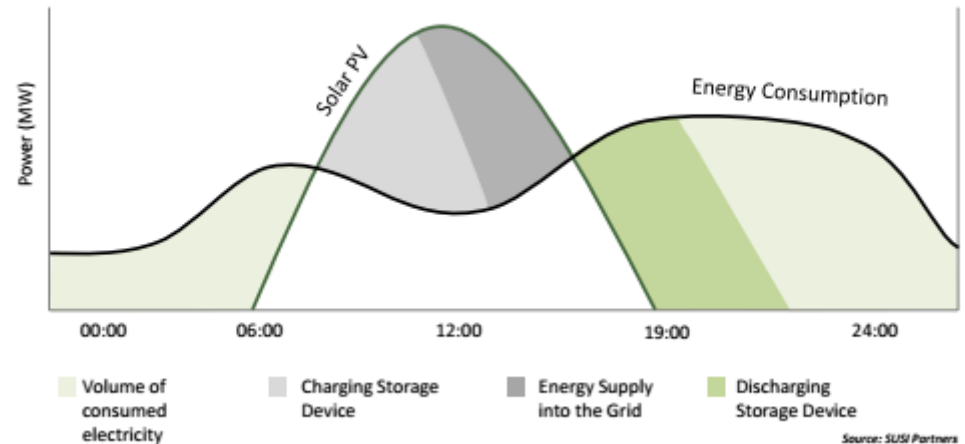
your most powerful membership™

Connexus Energy Use Case → Solar + Storage

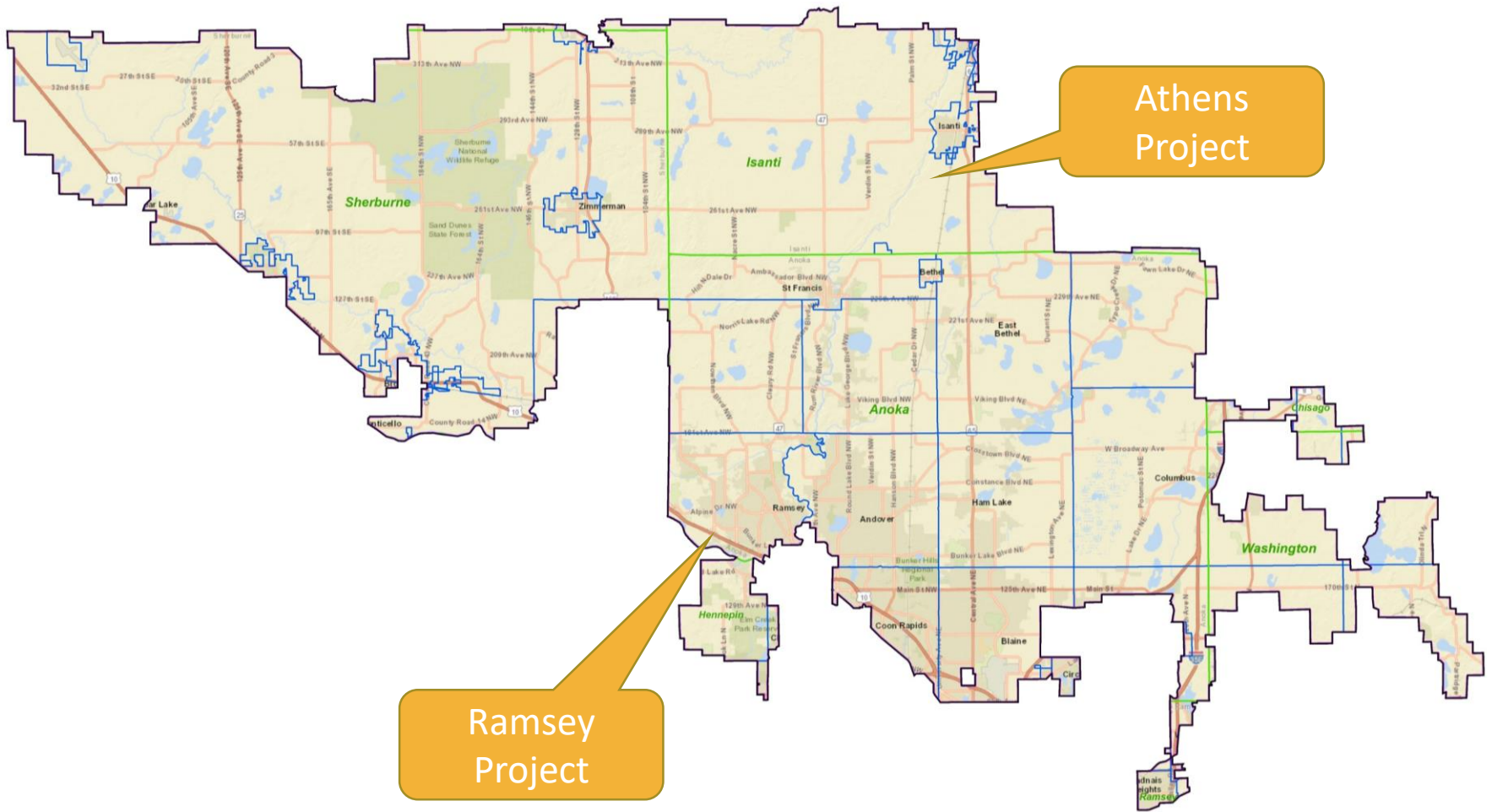


Distribution Grid

*at MW Scale
on distribution grid
demand response design*



your most powerful membership™



Athens
Project

Ramsey
Project



your most powerful membership™

10 MW Solar....developed by Engie

Ramsey Site

- 3.4 MW_{AC}
- 13,851 panels – Canadian Solar
- 330 watts/panel
- 27 string inverters - Sungrow
- 18 acres
- 644 homes (equivalent usage)

Athens Site

- 6.6 MW_{AC}
- 27,189 panels – JA Solar
- 325 watts/panel
- 53 string inverters - Sungrow
- 36 acres
- 1,245 homes (equivalent usage)



15 MW Storage....developed by NextEra

Ramsey Site

- 6 MW / 12 MWh
- 1,260 batteries – Lishen
- Lithium Iron Phosphate
- 54 string inverters
- 0.5 acres
- 2,697 homes (equivalent demand)

Athens Site

- 9 MW / 18 MWh
- 1,890 batteries – Lishen
- Lithium Iron Phosphate
- 81 string inverters
- 0.7 acres
- 4,045 homes (equivalent demand)



January Solar in Minnesota....

January 28 – Monday

7.3° F – noon temperature
18% energy production vs
daily January average

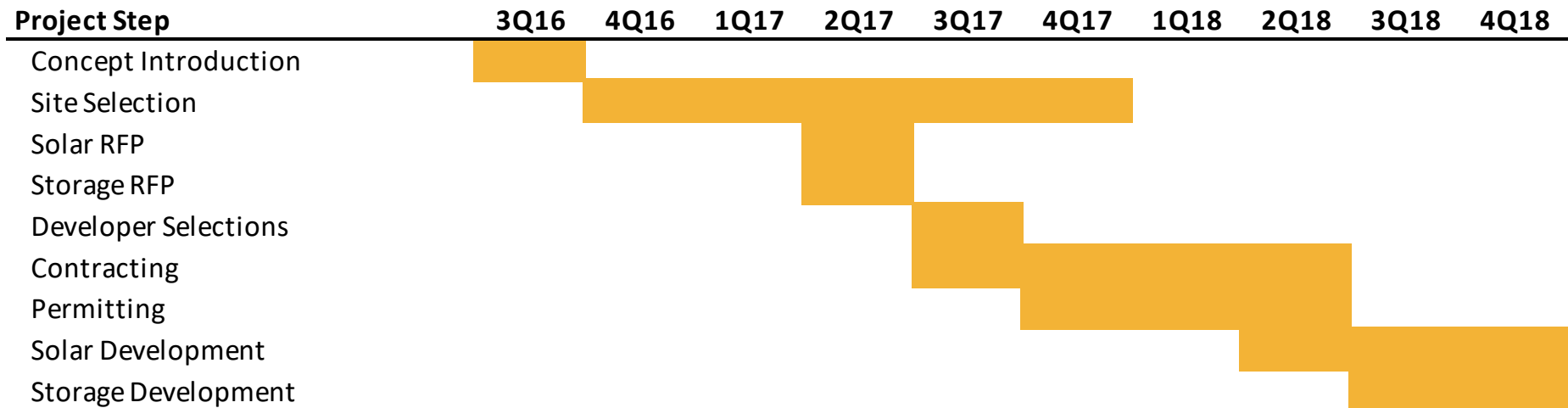


January 30 – Wednesday

-20.9° F – noon temperature
147% energy production vs
daily January average



Project Timeline





your most powerful membership™