

The NE Mesonet

Environmental data for ALL Nebraskans, for decades to come.

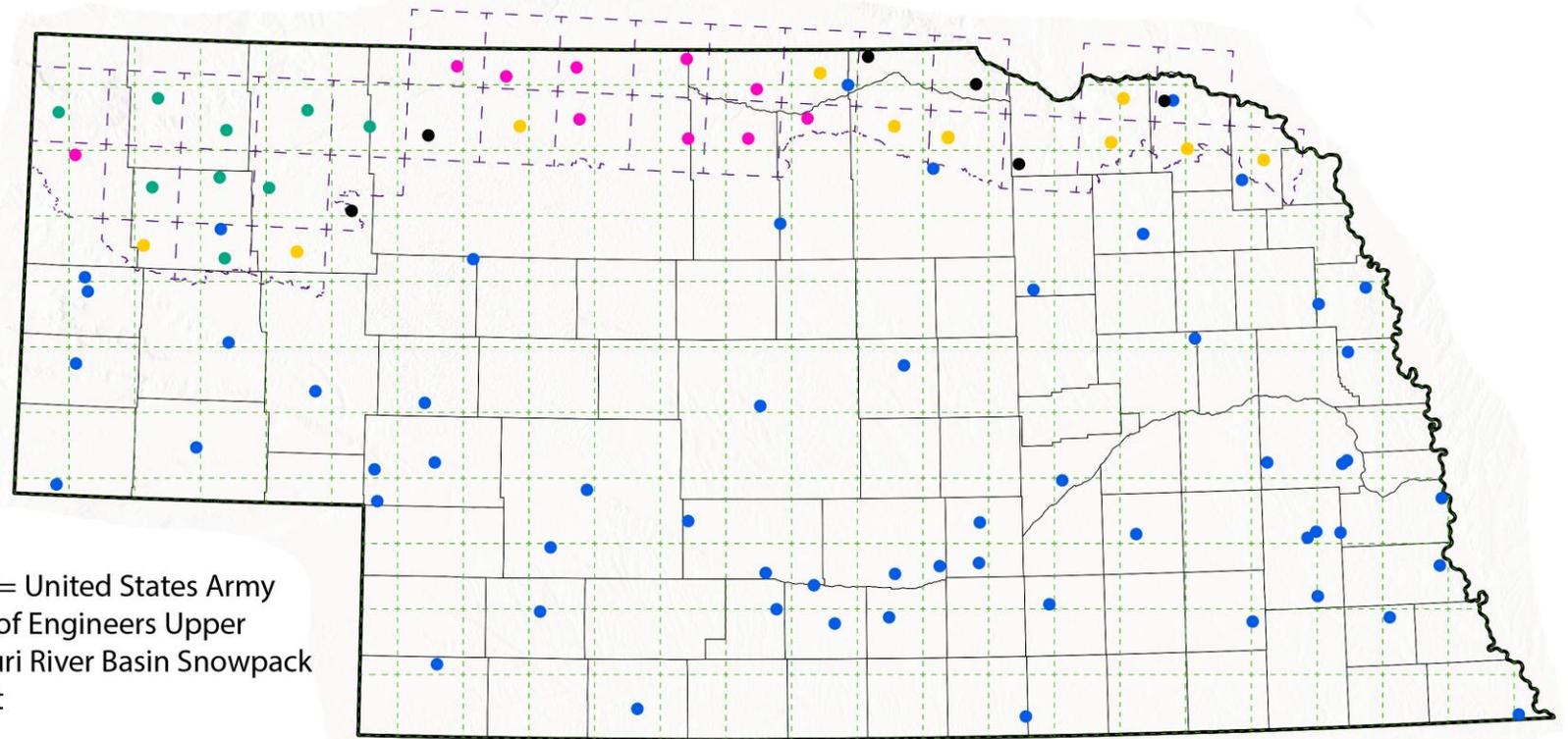
Goal: Everyone in Nebraska < 15 miles from a NE Mesonet station

Current State of the NE Mesonet

- 57 Mesonet locations
- 6 UMRB Stations (2023)
- 9 UMRB Stations (2024)
- 10 UMRB Stations (2025)
- 10 UMRB Stations (2026)

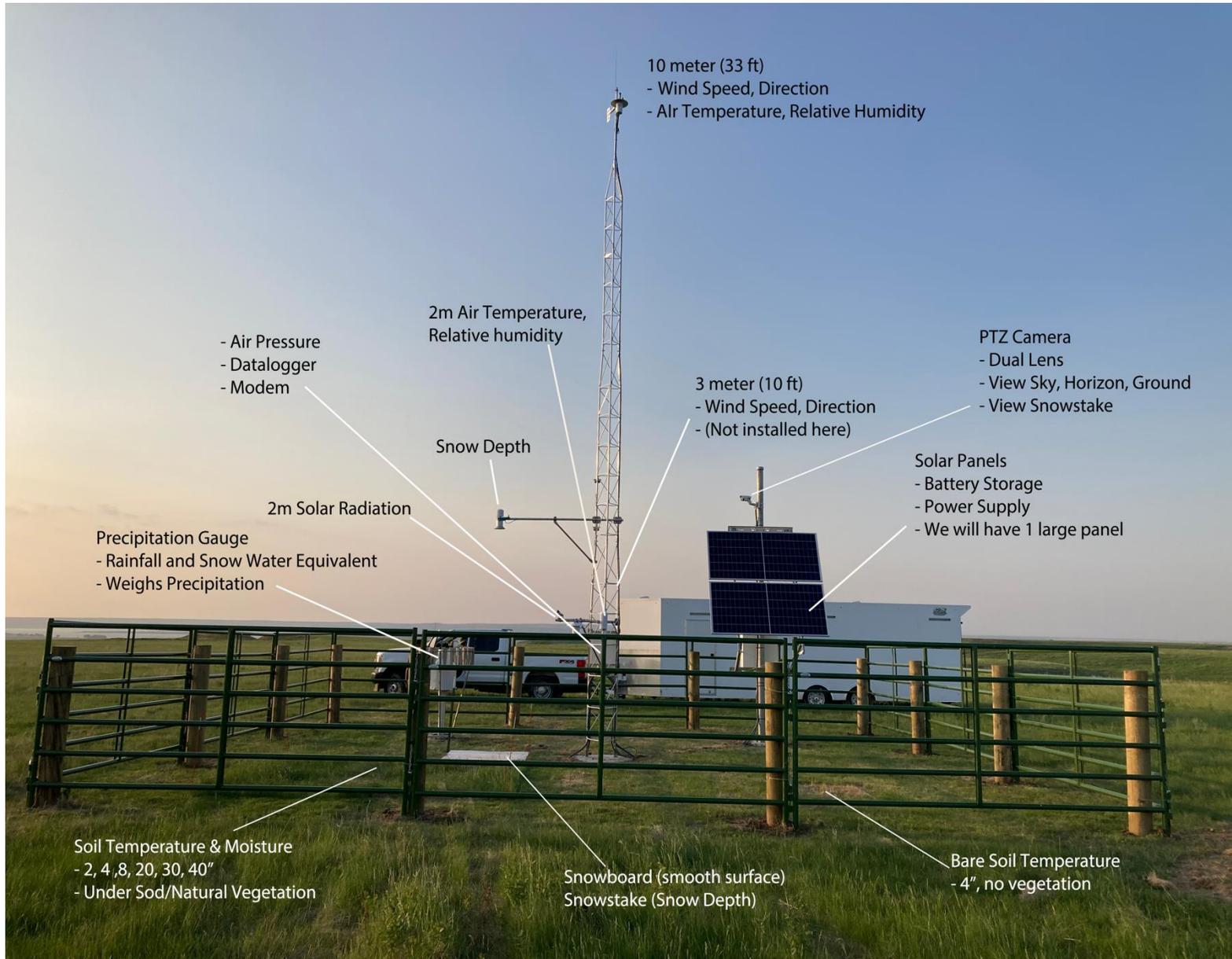
Future State of the NE Mesonet

- 1 Station/**Green** grid cell
- 200 Stations Statewide
- 8.5 million observations/day
- State-of-the-art sensors, website, data tools, and data access



UMRB = United States Army Corps of Engineers Upper Missouri River Basin Snowpack Project

State of the Art Weather Station



- All standard variables, including soil temp/moisture, and camera
- Layout/design allows for significant expansion possibilities
 - evapotranspiration
 - inversion/stability
 - air quality
 - ceilometers, profilers, etc.
- Further Instrumentation
 - flight monitoring
 - spectrometry