PUBLIC MEETING
DAKOTA COUNTY RURAL WATER SERVICE EXPANSION
HISTORY OF DAKOTA COUNTY
RURAL WATER SYSTEM

- Began operation in 1980
- Water is purchased from Dakota City and conveyed through a network of 100+ miles of water mains
- System provides water service to over 660+ households
- Key Infrastructure: 300k gallon elevated water tower, 25k gallon standpipe and booster pump station
PHASE 1

UPGRADE BOOSTER PUMP AND STANDPIPE

In order to serve the Kramper Lake - Danish Alps Recreation Area or additional residents along Fiddler Creek Road, the current booster pump and standpipe will need to be upgraded.

Upgrades would include:

- Increase standpipe to 75,000-100,000 gal.
- Constructing larger above ground booster pump station

UPGRADE WATER MAIN THAT FEEDS THE BOOSTER PUMP STATION

In order to keep up with the pump capacity of the new booster pump station, the water main that feeds the booster pump station would need to be upgraded from a 4” to 6” diameter water main (this upgrade is only needed if Hubbard connects).
PHASE 2

EXTEND RURAL WATER TO FIDDLE CREEK ROAD

In order to serve residents along Fiddler Creek Road, a 4” water main would need to be extended south along M Avenue and run back east of Fiddler Creek Road to create a loop.
In recent years, there has been a shift to regionalize smaller water systems to take advantage of economies of scale and to stay ahead of increasing regulation.

The Village of Hubbard is located just west of the Kramper Lake – Danish Alps Recreation Area and would be connected to the new water main that serves the rec area.

The 6” water line upgrades are only necessary if Hubbard connects.

Connecting to Dakota County Rural Water would likely be the least cost alternative for Hubbard in the future.
PHASING OPTIONS

Phased upgrades allow for budget planning.

Different funding resources could be used on each phase.

Phasing separates O/M projects from system upgrades due to new demand.