WCROC Milking Parlor
Renewable energy generation and storage schematic

Existing System Previously Funded

- Electric Heat Pump
- Refrigeration Heat Recovery (RHR)
- Milk bulk Tanks & waste lagoon as heat source
- Tankless Electric Water Heater
- Thermal Storage Solutions
  - Water tank (2,300 gallon, R-85)
- Hot water
  - To existing hot water supply

- Electric Grid
- ARE 36m tower
- 20 kW Jacobs Turbine
- 1 kW Silicon Energy PV
- 10 kW tankSolar PV
- Existing Gas Furnace
- Existing Air Duct
- 12 Solar Thermal Collectors

KEY:
- Pump
- Valve
- Heat Exchanger