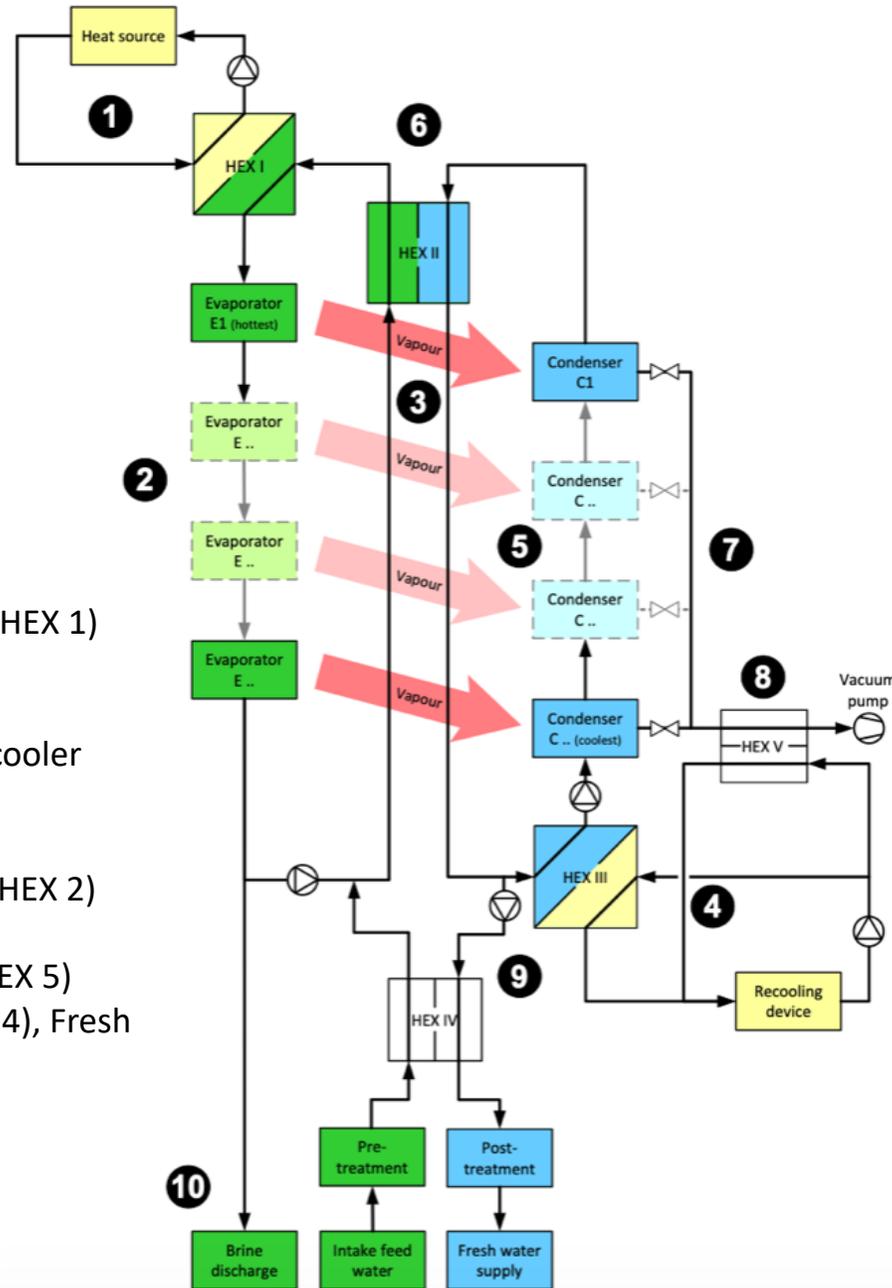




LTDIs[®] + Solar Thermal Flow Sheet



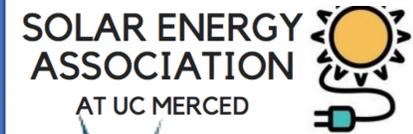
- 1 Solar Thermal Heat Source/Main Heater (HEX 1)
- 2 Evaporator Cycle
- 3 Vapor
- 4 Re-Cooling/Main Re-cooler (HEX 2)
- 5 Condenser Cycle
- 6 Main Heat Recovery (HEX 2)
- 7 Vacuum System
- 8 Vacuum Subcooler (HEX 5)
- 9 Distillate Cooler (HEX 4), Fresh Feed Supply
- 10 Brine Discharge



CCR's proposed project uses our patented, Low Temperature Distillation technology (LTDIs[®]) with solar thermal heat as the energy source.

- Heat transfer happens on billions of water droplets rather than on solid surfaces which eliminates most scaling and fouling.
- Can operate at high concentrations
- Ideally suited to utilize solar thermal energy because it can operate under partial load.
- Can handle challenging waste streams up to 300,000 ppm and achieve high conversion ratios.

Partners



BUREAU OF RECLAMATION

