Refrigeration Cycle with Economizer

Legend
- Refrigerant Line: Green
- Water Line: Blue
- Gas Line: Orange
- Component: Black

Warm water to be re-cooled
- Evaporator
- Refrigerant Line
- Expansion Valve

Chilled water for building cooling
- Condenser
- Refrigerant Line
- Expansion Valve

Cooled water to absorb waste heat
- Economizer
- Refrigerant Line
- Expansion Valve

Warm water to be cooled
- Low Pressure Compressor
- Refrigerant Line
- Expansion Valve

Chilled water for building cooling
- High Pressure Compressor
- Refrigerant Line
- Expansion Valve

Cooled water to absorb waste heat
- Economizer
- Refrigerant Line
- Expansion Valve

Legend
- Refrigerant Line: Green
- Water Line: Blue
- Gas Line: Orange
- Component: Black