1. Heat wheels are the preferred choice for heat recovery.

2. Run around glycol loops to be considered for fume exhaust application.

3. Consider exhaust air heat recovery and reclaim.

4. Consider heat recovery from plug load loops.

5. Ethylene glycol shall be used in cooling or heat recovery applications and shall be tagged and marked accordingly for safety requirements.

6. Where the primary source of heat is steam from the Central Utilities Plant, provide 100% standby main heat exchanger.

7. Provide a dedicated steam to water heat exchanger for domestic hot water service. Shell and tube systems are preferred with steam in the tube.

8. HW Heat
   - Consideration shall be given to Separate Terminal Reheat and Radiation Heat zones with separate pumping.
   - 2-way control valve shutoff for heat exchangers to allow no flow condition on back-up exchanger.
   Heat Exchanger Redundancy shall be reviewed with engineering and infrastructure on project basis.

9. Provide two separate chilled water piping loops for new facilities. One loop to be dedicated for HVAC systems and the other to be dedicated with isolation heat exchanger for PLUG loads.

10. Propylene glycol shall be used for glycol heating applications.

11. Ethylene glycol shall be used for cooling applications or heat recovery & shall be tagged and marked accordingly for safety requirements.