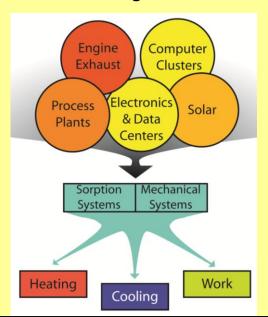
Assessment of Alternative Waste Heat Recovery Opportunities

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Objective: Investigate potential for exploitation of waste heat for amplification and reuse as high grade energy source

- Five different cycles evaluated based on efficiency or COP, complexity, and size
 - Turbine work recovery $\eta \sim 10\%$
 - Cooling COP ~ 80%
 - Upgraded heat COP ~ 45%
- Screening tools and preliminary component sizing for several representative cases
- Preliminary modeling of ejectors and ejector-based cooling



Waste Heat Recovery Selection Matrix

