



Sustainable Energy Heat Conversion

- Industrial (wasted energy) Heat Sources
 - Methane burn-off from local waste facilities
 - Boiler stacks
 - Turbine equipment
 - Refrigeration equipment
 - Chillers
 - Condensing coils
 - Industrial processing
 - Air compressors

- Industrial/Commercial applications for this energy capture (LEED points?)
 - Radiant Heating / Cooling
 - Clean
 - Comfortable
 - Efficient
 - Low cost
 - Low maintenance
 - Eliminates need for supplement heat / cooling

 - Snow Melting (requires $\geq 30^{\circ}\text{F } \Delta\text{T}$)
 - Low Maintenance
 - Snow removal fees eliminated
 - Snow removal equipment eliminated
 - Yearly upkeep of equipment eliminated
 - Expansion/contraction damage minimized
 - Parking lot life extended
 - Elimination of salt
 - Elimination of salt damage to building entryways
 - No salt entering storm drains
 - Parking spaces not limited by snow mounds
 - Shipping/receiving docks trouble free
 - Liability insurance reductions
 - Long term payback
 - Pedestrian friendly

