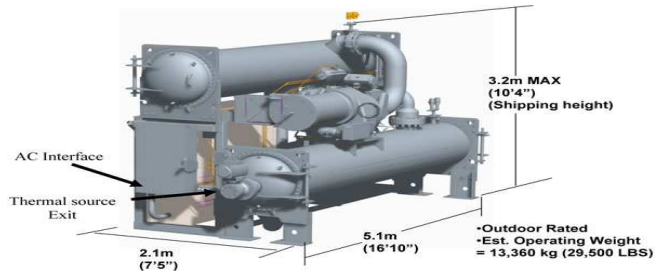
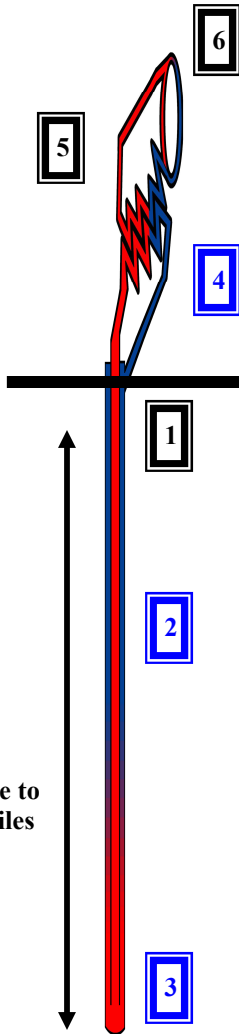


UTC PureCycle 280 is an example of a module that produces electricity with no greenhouse gases emitted.



**Commercial** small scale modules of heat exchanger, turbine and generator combinations are available. **Research** is needed for 5, 10 and 20 MW systems.

**Research** is needed to make more efficient heat exchangers.



**Commercial** pumps and heat transfer fluids are readily available.

**Research** for well drilling technology is on the verge of significant increases in speed of drilling and reduction of cost.



**Hydro thermal drilling from Potter Drilling uses super-heated water to drill without mechanical drill bits.**

**Research** for enhanced geothermal is low on the Federal governments priority list. Enhancement is needed because the heat transfer rate of granite (which makes up most of the hot rocks at depth) is low.

MEGS should not be confused with "heat pumps". Heat pumps are used to heat and cool buildings using pipes ten to 100 feet below the Earth's surface. MEGS draws heat from 1 to 10 miles below to supply base load electric power.