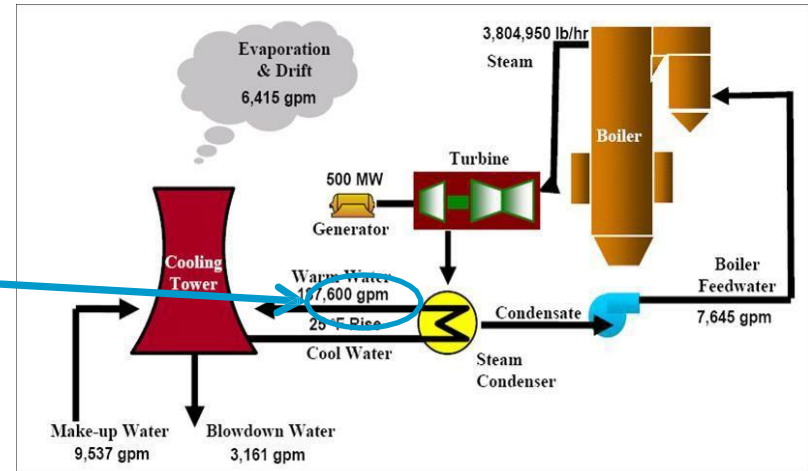
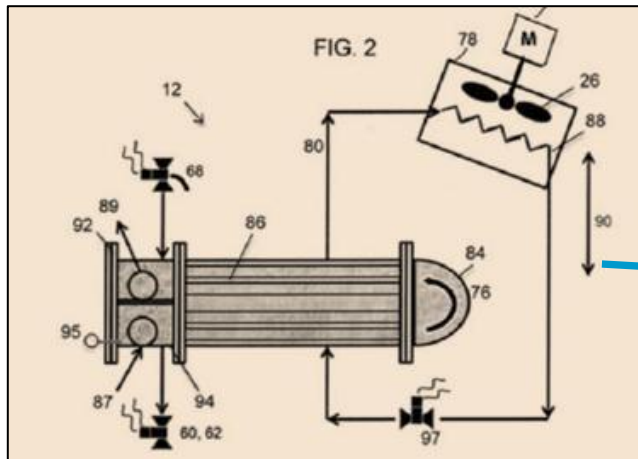


Project 2: Thermosyphon Cooler Technology (Collaboration with Johnson Controls)



Project Update

- Performed a thorough feasibility evaluation of a hybrid, wet/dry heat rejection system comprising recently developed, patent pending, thermosyphon coolers (TSC).
- Made comparisons in multiple climatic locations, to standard cooling tower systems, all dry systems using ACC's, hybrid systems using parallel ACC's, and air coolers replacing the thermosyphon coolers.
- Determined the most effective means to configure and apply the thermosyphon coolers.
- Completed final project review on March 5th.

Key Potential Benefits

- Potential annual water savings up to 75%
- Compared to ACC, full plant output is available on the hottest days
- Ease of retrofitting
- No increase in surface area exposed to primary steam
- Reduced operating concerns in sub freezing weather
- Broad application for both new and existing cooling systems for fossil and nuclear plants)

For further information, please view our [briefing](#) and [published report](#).