



Assessment of Hybrid Cooling Systems

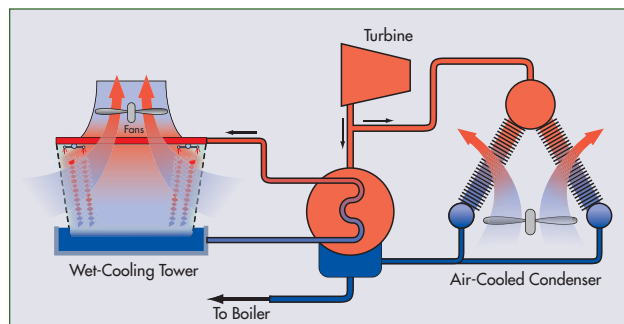
This is a proposal for the Advanced Cooling Technologies supplemental project. Final project tasks will be selected through prioritization by the project funders.

Issue

Hybrid cooling systems (HCS) provide a compromise between the water conservation aspects of dry cooling (air-cooled condensers) and the efficiency and capacity performance of wet cooling. This technology has had limited application to date, but more projects are committing to the additional capital required to install an HCS.

Description

EPRI will document the current state of the art in design, operation, cost and performance of known and planned hybrid cooling installations. This project will develop the only known independent assessment of the HCS technology.



Value

- Cost and performance analysis of existing and planned HCS installations
- Specification guidance for avoiding known issues with HCS.

Approach

EPRI will gather available information on known and planned HCS installations, using literature searches, owner/operator interviews, data requests, vendor solicitation and site visits as required. Information will be documented in a technical report providing cost, performance, and operational data.

Project Deliverables

Deliverable Title	Planned Completion Date	Deliverable Type
Assessment of Hybrid Cooling Systems	6/30/2010	Technical Report

How to Apply the Results

This project will provide information to verify vendor claims and understand the costs and other issues associated with adopting hybrid cooling for new power projects, which reduces the risk of investing in hybrid cooling technology.

Cost Estimate

This project is estimated to require 18 months and \$150,000 for completion.

For More Information

For more information, contact the EPRI Customer Assistance Center at 800.313.3774 (askepri@epri.com).

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