

Performance and Application of the Air-2-Air Technology for Wet Cooling Towers

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

Issue

SPX Cooling Technologies has developed and patented a technology called Air-2-Air for recapturing some of the water vapor leaving a wet cooling tower. While some of this work has been funded under DOE grants, performance characteristics have not been published to date.

Description

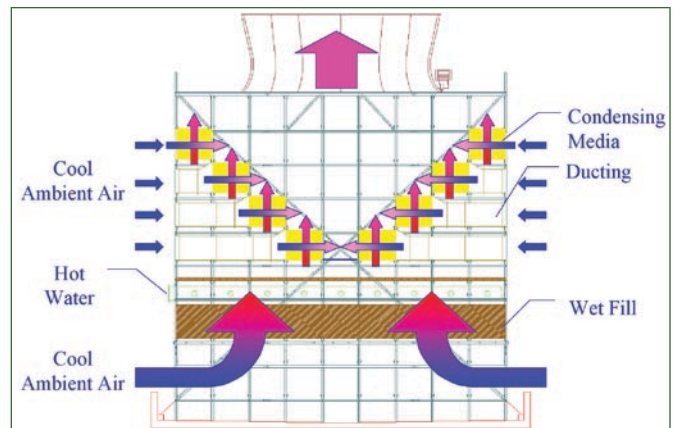
This project would provide critical information about the cost and performance of the proposed technology to guide decisions regarding its use in new or existing wet cooling towers.

Value

- Characterize performance capabilities of Air-2-Air system for candidate site characteristics (varied meteorological conditions)
- Estimate savings potential for candidate sites based on capital cost, water costs, and site performance characteristics.

Approach

EPRI will develop a test site as required and evaluate the performance of the system based on current conditions. This data would be used to calculate performance under other meteorological conditions.



Project Deliverables

Deliverable Title	Planned Completion Date	Deliverable Type
Performance and Application of the Air-2-Air Technology for Wet Cooling Towers	12/31/2010	Technical Report

How to Apply the Results

This project will provide an independent analysis of the cost and performance of the Air-2-Air technology that will aid members in decisions to install it on new or existing cooling towers.

Cost Estimate

This project is estimated to require 18 months and \$130,000 to complete (assumes an existing Air-2 Air installation is available for testing).

For More Information

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

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