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Input for WET Program: Baltimore Aircoil Company's Energy and Water Savings Technologies

Additional submitted attachment is included below.

BALTIMORE AIRCOIL COMPANY

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July 2, 2015

Dear Members of the California Energy Commission,

Thank you for the opportunity to provide additional information and clarification on BAC's energy and water savings technologies from our June 16, 2015 submission.

1. What emerging technologies should be considered that provide direct on-site energy, water, and greenhouse gas savings for each of the identified sectors?

For commercial and industrial evaporative cooling, the following three technologies will provide direct on-site energy, water and greenhouse gas savings:

1. *Hybrid Closed Circuit Cooling Tower optimizing both energy and water usage*
2. *EVERTOUGH™ Construction reducing corrosion and allowing the use of higher Cycles of Concentration (COC) thus reducing water usage and waste water treatment due to reduced blow down*
3. *Energy and Water Savings Retrofits For Cooling Towers such as ENDURADRIVE™ Fan System (direct-drive), high efficiency fill and nozzle retrofits for up to 10% improvements in efficiency and reduced water usage*

2. What rebate levels would be most appropriate? What grant award amounts would be most appropriate for customized projects?

The rebate levels or grant amount should either offset the price premium to encourage wider adoption, or in the case of retrofits, cover the savings from the retrofits based on a 3-year payback

5. What are some of the main barriers preventing implementation of advanced water and energy saving projects?

Higher cost of water and energy savings technology, which will come down over time with higher production volumes, can be encouraged though the use of rebates and grants.

7. What operational, regulatory, or other constraints may arise to prevent installing projects quickly? How would this differ from typical installation timelines for the equipment listed in the draft guidelines?

There is minimal to no difference in installation times for these technologies. There are no operational or regulatory constraints that prevent the rapid installation of such projects.

8. What is the capability of obtaining utility data for pre- and post-energy and water use? If utility data is not available, how will pre- and post-results be documented?

Motors and pumps can be metered and make-up and blowdown water lines can also be metered to help track resource use as well as optimize system performance through this feedback.

We appreciate consideration of these existing solutions that have proven to save energy and water and will make an immediate and significant environmental impact. Thank you and we look forward to feedback and questions.

Sincerely,

Larry Wei
Director of Marketing