

2017 Dane County Departmental SMART Fund

Project Information:

Please provide the following information (take as much space as you need to provide details):

Department: Alliant Energy Center Address: 1919 Alliant Energy Center Way Madison, WI 53713	Total project costs: \$5,500.00 Funding amount in current budget:\$0 Funding amount requested:\$5,500.00
Project Title: Cooling Tower and Water Treatment Program	
Project Location: Coliseum	
Project Description: Install 3D TRASAR for Cooling With improved water and chemical control there is an opportunity to reduce the blowdown water content from 35% to 20% a reduction in make-up and blowdown water by 15% 2.55 MM gallons x 15% = 383,000 gallons of make up and 383,000 gallons of blowdown Total savings \$3,066 Annually. ROI – 21 months.	
This project moves the County toward meeting its Sustainability Principles by <ul style="list-style-type: none"> • Reduction of over 700,000 gallons of makeup and blowdown water combined • Demand based control of chemical treatment eliminates excessive chemical feed • Saving over 700,000 gallons of makeup water and blowdown water combined 	
This project furthers the County's Sustainable Operations plan goal of reducing the consumption of water and reducing over feeding of chemicals.	
Describe how the county might build upon the outcomes of the proposed project to work toward greater sustainability. The county could build upon the outcomes of the proposed project to work toward greater sustainability by changing to 3D TRASAR Controllers in all of its facilities	
The outcomes of this project will be tracked and measured on an annual bases by the AEC Facilities Manager. The primary outcomes to be tracked will be cost savings associated with water savings and chemical savings.	
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