

# Cornett & Associates Energy Management

## DO POWER COSTS AND ENERGY CONSUMPTION KEEP YOU AWAKE AT NIGHT?

When it comes to managing your budget, you probably feel like you are being hit from all sides. The cost of electricity is ever increasing. Maintenance and replacement on your aging capitol equipment never stops. Staffing allocations keep getting thinner and thinner. Funds continue to be reallocated. At times, it probably seems hard to imagine making it through your fiscal year with the budget you have.

Your centrifugal chillers alone can consume as much as **40%** of your total energy budget. The cost of providing a comfortable work environment is certainly expensive. The need to operate at peak efficiency levels is obvious. But are you? Wouldn't it help if you knew the following?

- *What are the current operating inefficiencies in our chillers*
- *Where do the inefficiencies exist?*
- *How much are they costing me?*
- *How can I trouble shoot and correct them?*
- *Can I document any "real" savings!*



### CORNETT & ASSOCIATES CHILLER EFFICIENCY

<a href="#">ChillerCheck Main</a>	<a href="#">Chiller #1 Main Page</a>	<a href="#">Maint. Records</a>	<a href="#">Add Maint. Record</a>	<a href="#">Add Log Record</a>	<a href="#">View Logsheet</a>	<a href="#">Chart Trends</a>												
<b>Efficiency Calculation for Chiller #1 at Admin Bldg.</b> Reading taken on April 2, 2002 at 8:46 PM																		
<b>Results</b>																		
Target Cost to Run for Year		\$ 124,740																
Actual Cost to Run for Year		\$ 141,480																
Cost of Efficiency Loss		\$ 16,740																
Efficiency Loss		13.4%																
<b>Detailed Cost of Efficiency Loss</b>																		
<table border="1"><thead><tr><th>Problem</th><th>Efficiency Loss</th><th>\$ Cost</th><th>Solution</th></tr></thead><tbody><tr><td>Fouled Tubes - Condenser</td><td>9.9%</td><td>\$ 12,349</td><td><a href="#">Fix it.</a></td></tr><tr><td>High Evaporator Approach</td><td>3.5%</td><td>\$ 4,391</td><td><a href="#">Fix it.</a></td></tr></tbody></table>							Problem	Efficiency Loss	\$ Cost	Solution	Fouled Tubes - Condenser	9.9%	\$ 12,349	<a href="#">Fix it.</a>	High Evaporator Approach	3.5%	\$ 4,391	<a href="#">Fix it.</a>
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The Cornett Energy management team looks forward to an exciting presentation on ways to optimize your facilities energy efficiency.