

Saving \$\$ by Reducing Energy Use - Milwaukee Efficiency Projects

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Setting the Stage

- Milwaukee typical of many midwestern cities
 - Declining manufacturing base
 - Heavy reliance on coal powered electric plants
 - Tight City finances



Opportunities



- Older building stock – untapped potential
- Mayor with vision
- Strong Council support
- Assistance from local utility and state





Focus on City Facilities First

Department	2006 Energy Costs (million \$)
Street Lighting	\$3.8
Operations (including libraries)	\$3.4
Fire and Police	\$2.9
Water Works	\$5.4
TOTAL	\$14.5

Analysis



- Identify biggest electric users
- Assess demand charges
- Assess operating practices
- Conduct detailed audits for targeted buildings



Project Implementation

Set Goals – 15% reduction in use by 2012

Energy Challenge Fund

New Building performance

- DPW field headquarters
- Targeted Efficiency Improvements
 - Performance contracting
 - Water Works
- Assess opportunities for renewables

Capturing Savings in the Private Sector



- Milwaukee Energy Efficiency Project
 - Target older housing stock for energy efficiency improvements
 - Capitalize improvements up front
 - Pay back through energy savings
 - Preliminary estimates - \$243 million investment will generate approximately \$83 million **annual** savings (residential only)
 - Side benefits – Jobs, reduced emissions...

For More Information



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