



## Oakland University

Public Institution  
Rochester, Michigan  
Energy Performance Contract



**Project Size:** 20 buildings, 1,484,899 sq ft  
**Project Value:** \$8,565,356  
**Source of Funds:** Tax-exempt lease purchase agreement  
**Contract Terms:** 10 years

### Project Schedule:

Project Phase	Project Dates	
	Started	Completed
Comprehensive Energy Analysis	March 1996	July 1997
Design/Implementation	June 1997	July 1998
Monitoring	July 1998	July 2008

**Guaranteed Annual Energy Savings:** Year 1: \$407,307  
Year 2: \$414,494  
Year 3: \$421,849

### Achieved Summarized Savings:

Baselines	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
<b>ANNUAL SAVINGS</b>								
Year	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
Construction	2,950,738	7,049	358,040	2,269,431		\$336,985	N/A/	\$336,985
1	-726,003	6,026	381,640	31,239,830		\$340,157	\$40,165	**\$548,296
2	-192,487	518	616,710	31,239,830		\$340,402	\$77,397	\$417,799
3	-207,927	-112	644,540	26,175,350		\$317,797	\$78,588	\$396,385

\* Energy Savings + Non-Energy Savings = Total Annual Dollars Saved  
\*\* Includes \$167,974 carried from Construction Yr

### List of Improvements:

- Installed new chillers
- Installed new packaged AC units
- Installed new energy management system
- Installed various window modifications
- Installed variable speed chilled water pumping
- Recirculated pump cooling water
- Improved high-pressure hot water generator's oxygen trim system
- Installed various lighting controls
- Added return air to air handlers
- Converted air handlers to VAV
- Installed energy-efficient motors
- Installed shower flow conservation devices
- Installed high efficiency lighting modifications
- Insulated heating equipment

**For more information, contact:** Steve Spurgeon, 800 475 3500 x3609  
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### Reference:

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