



City of Fullerton

Fullerton, California
Energy Performance Contract



Project Size: 4 buildings, 161,722 sq ft

Project Value: \$1,487,875

Source of Funds: Client Financing

Contract Terms: 10 years

Project Schedule: Completed on time

Project Phase	Project Dates	
	Started	Completed
Comprehensive Energy Analysis	June 1996	February 1997
Design/Implementation	November 1998	December 1999
Monitoring	December 1999	December 2009

Guaranteed Annual Energy Savings: \$73,073 Energy Savings (\$57,782 stipulated savings – not guaranteed)

Achieved Summarized Savings:

Baselines	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
	3,519,287		21,120					\$337,011
ANNUAL SAVINGS								
Year	kWh	kW	CCF	Water (gal)	Steam (lbs)	Energy \$	Non-Energy \$	Total Dollars*
Construction	765,735		44					\$68,629
1	894,290		-13,491					\$74,592
2	1,002,556		-10,851					\$86,589
3	920,238		-19,093					\$72,915

* Energy Savings + Non-Energy Savings = Total Annual Dollars Saved

Comments: This project is a guaranteed energy savings project with a portion of the total savings being stipulated. This project involved replacing the existing chillers and boilers located at both City Hall and the Main Library and an air handler at the Police Department.

Services Provided/Providing: Engineering analysis and design; construction management; commissioning; operator training; monitoring and verification of savings; and savings guarantee.

List of Improvements:

- Replaced chillers and boilers
- Replaced air handling unit (AHU)
- Converted AHU's to variable air volume
- Installed energy management systems
- Retrofit red traffic signals with LED traffic signals
- Retrofit luminaires with T-8 lamps, electronic ballasts with or without specular reflectors
- Installed new high efficiency lighting and drop ceilings
- Installed new gymnasium lighting
- Retrofit incandescent luminaires with compact fluorescent lights
- Installed programmable thermostats
- Replaced rooftop units

Reference:

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