

Update City of Fort Lauderdale Energy Performance Contracting

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SUSTAINABILITY ACTION PLAN



**REDUCE
ELECTRICITY
USE
20%
BY 2020**



PRESS PLAY FORT LAUDERDALE

Our City, Our Strategic Plan 2018

03 OBJECTIVE 3:
Provide safe, efficient and well-maintained vehicles, equipment and facilities and integrate sustainability into daily operations

STRATEGIC INITIATIVES:	LEAD:	PARTNERS:
1. » Continue to use Florida-friendly and drought-tolerant landscaping at all City facilities to conserve water	Parks and Recreation (P&R)	
2. » Reduce fuel consumption and maximize efficiencies in City vehicles and equipment	Public Works (PWD)	All Depts.
3. Conduct water and energy conservation and efficiency audits	PWD	P&R
4. Implement energy management systems to reduce energy consumption and save money	PWD	P&R
5. Integrate energy efficient retro-fits and sustainable design elements in City facilities	PWD	P&R
KEY PERFORMANCE INDICATORS:	BASELINE:	5-YR TARGET:
• Percent reduction in greenhouse gas emissions from City operations	72,700 MT-CO ₂ e	15%
• Percent reduction in electricity use in City owned and operated facilities	106,011,000 kWh	15%
• Number of Kilowatts (kW) generated by renewable energy	16Kw	100kW
• Percent of City facilities tracked through EPA's Portfolio Manager	0%	100%
• Percent of City facilities incorporating energy efficient upgrades	5%	15%



GREENING OUR ROUTINE!



Water-Cooled Servers
Uses less energy



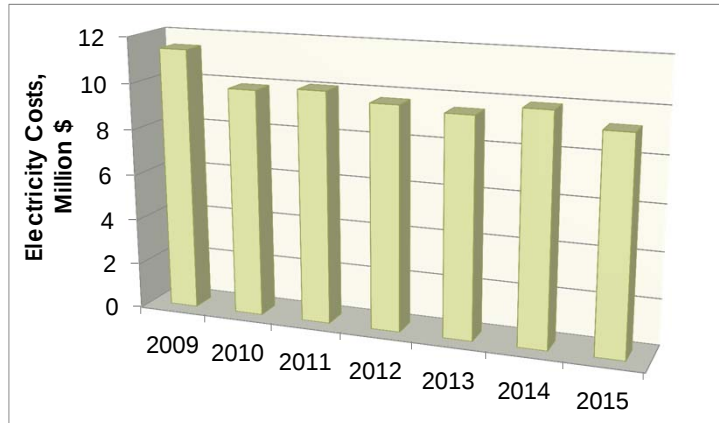
LED Lighting Retrofit
Reduced energy costs



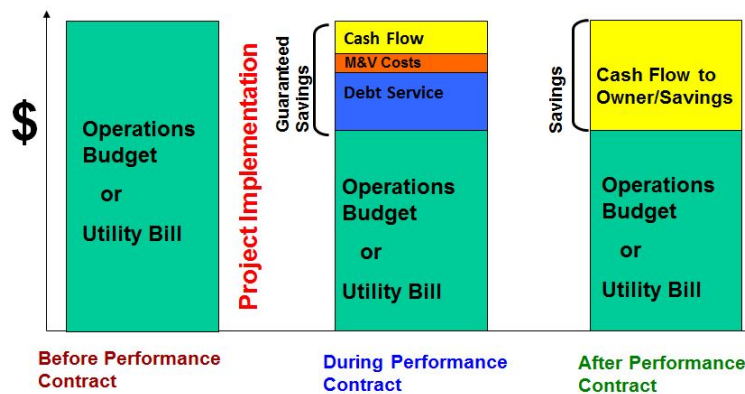
Behavioral Changes
Increase awareness
of energy use



CITY ELECTRICITY EXPENDITURES



Energy Service Company (ESCO) Performance Contracting Model



<http://efc.web.unc.edu/2015/08/13/energy-savings-performance-contracting/>

FORT LAUDERDALE ESCO STEPS

- Feb 2014 – RFQ for Performance Contracting
- July 2014 - Four firms qualified
- Jan 2015 – Facilities Assigned
- Aug 2015 - Two Industrial Audit (IGA) contracts awarded
- Sep 2015 – First IGAs Commence
- Jun 2016 – First audit recommendations finalized
- Aug 2016 - Third audit contract awarded
- Sept 2016 – First Performance Contract to Commission



FACILITIES SELECTED

ESCO	Facility Name
Honeywell	Fleet Fenceline
	City Parking Garage
	Streetlights
	Transportation and Mobility Building
BGA / ConEdison	Holiday Park
	Mills Pond Park
	Carter Park
	Osswald Park
Siemens	Water Metering System
Opterra	GTL Wastewater Treatment Plant



BENEFITS OF ESCOs

- Financing Tool
- Turnkey Solution
 - Design, Contracting, and Construction
- Guaranteed Performance
- Savings to Exceed Project Cost



THANK YOU

