



ITEM A

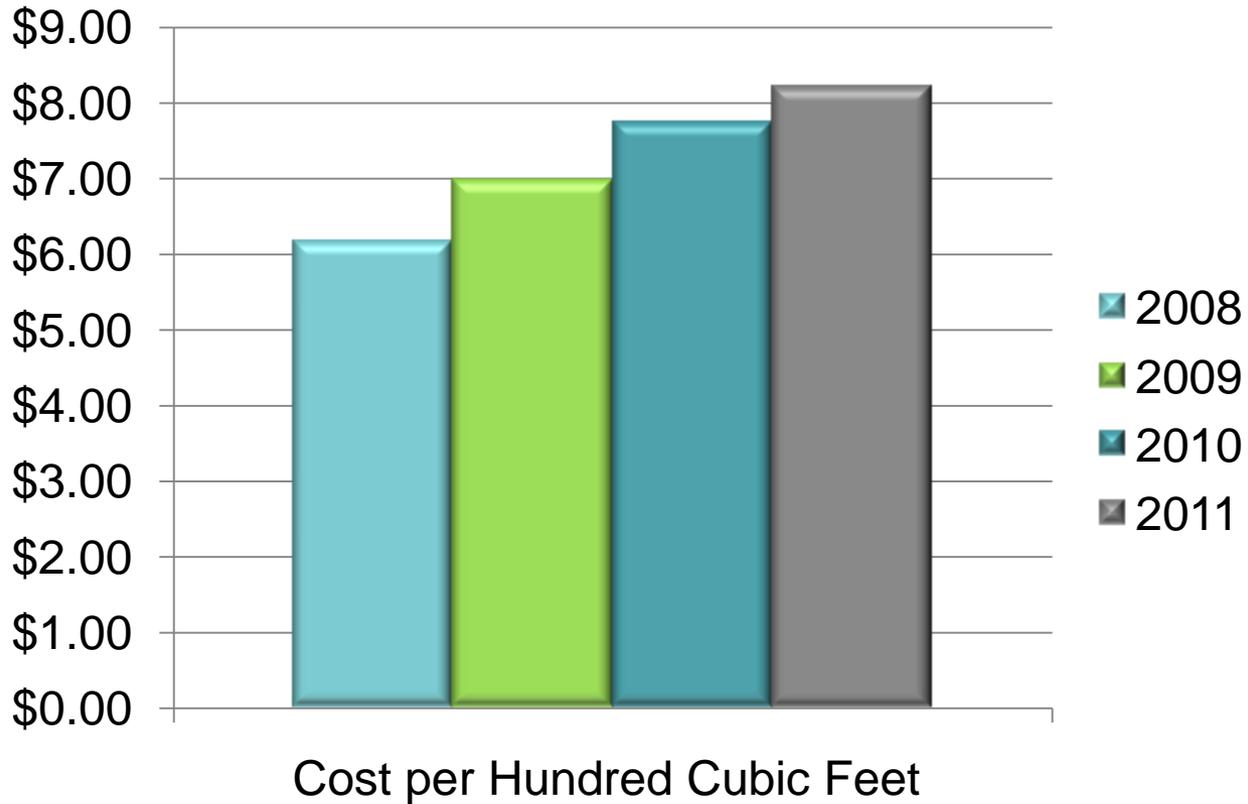
Facility Management Life Cycle Program Update

**Wayne S. Harvey, CFM, LEED-AP
Director, Facilities Management**

February 10, 2011

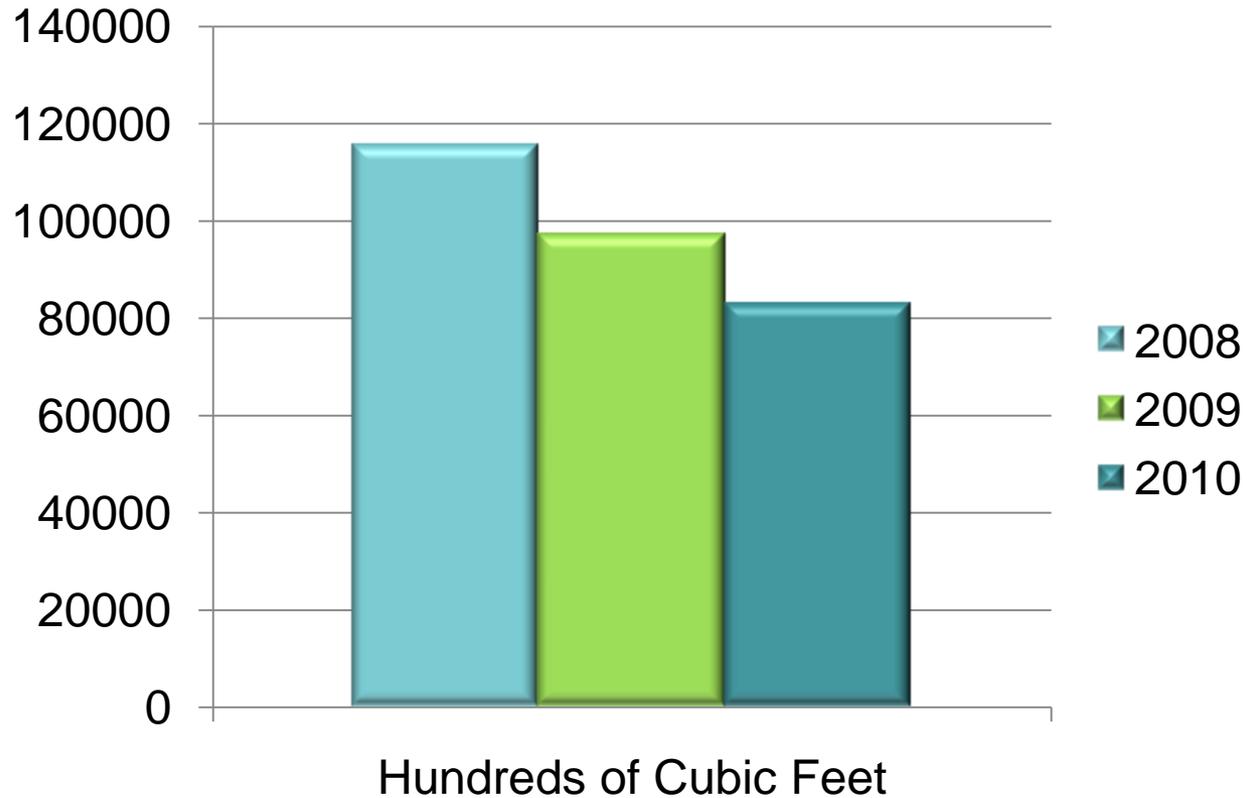


Water Cost





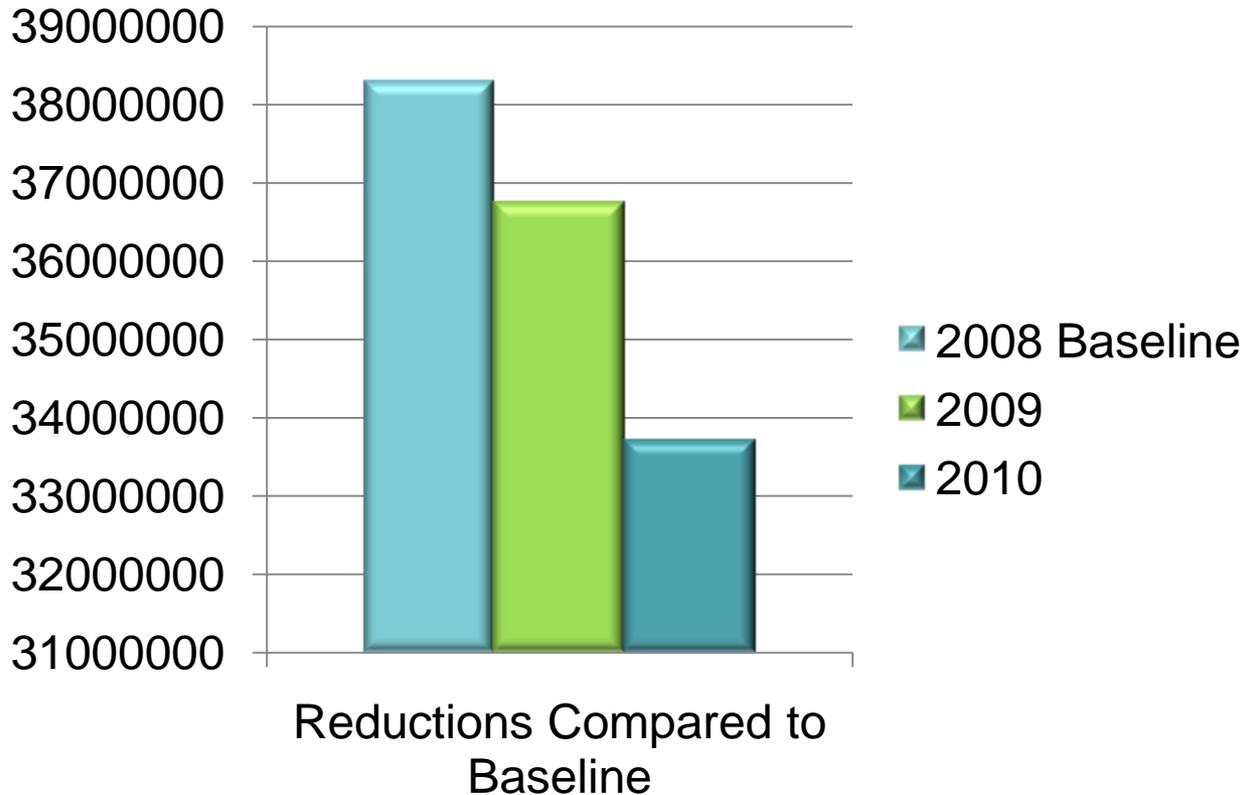
Water Reduction



40,466,052 Gallons



Electrical Reduction



4,569,582 kWh

Enough to power 571 homes for 1 year



Commissioning

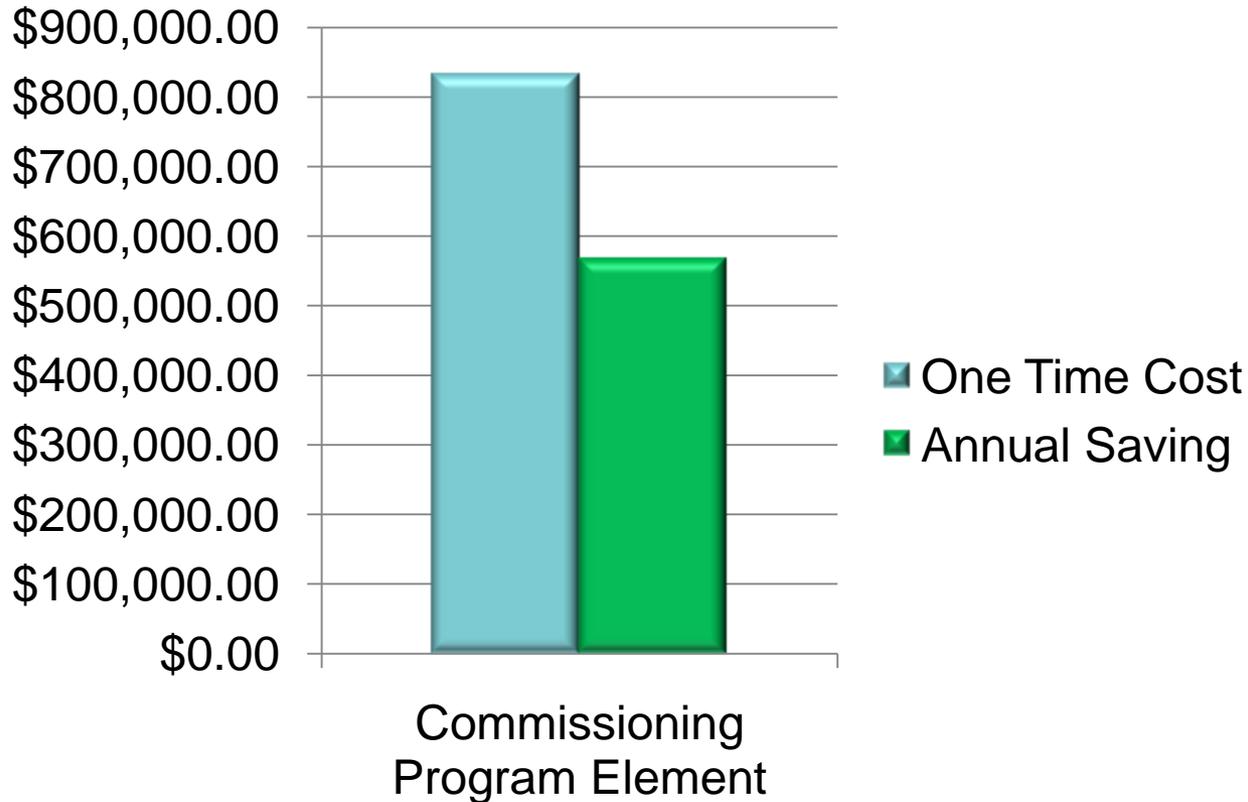
Retro-Commissioning (RCx) Activities

- Central Plant
- Terminal Two West

Process should begin by the end of February
Costs associated with RCx activities will be offset by
incentives from SDG&E
A conservative 5% gain in efficiency will result in a
savings of \$150,000.00 annually.



Commissioning



1.5 Year Payback

Not Inclusive of Program Rebates



LEED Certification

Pursuing **SILVER** LEED-EBOM (Leadership in Energy and Environmental Design – Existing Buildings Operations and Maintenance)

for the Facilities Management building.

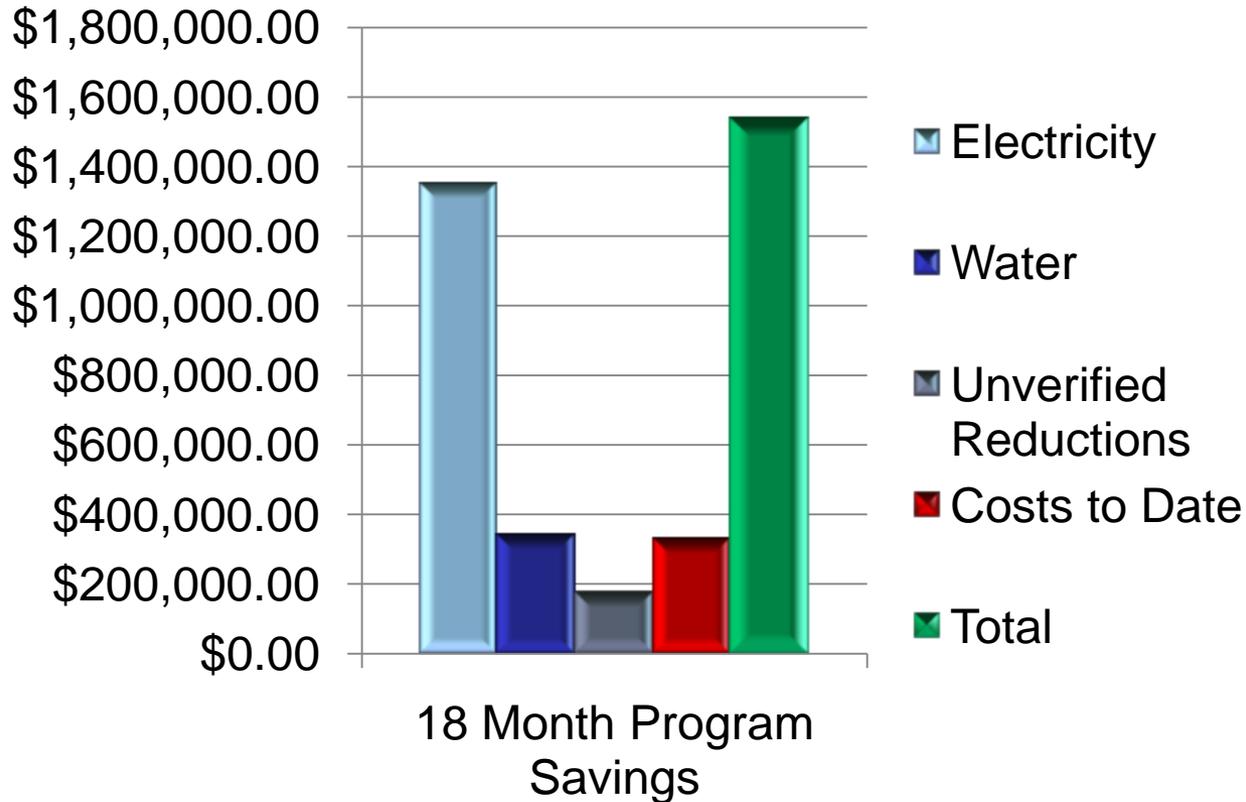
Points analyzed at 55 firm with 4 potential.

Silver Certification Requires 50 Points

Currently in 1 Year evaluation phase



Financial Impact



Program Savings \$1,539,954.47



Energy Monitoring

Graphics - [Leed-FMD-1]

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SIEMENS ENERGY DASHBOARD San Diego International Airport - Facilities Management Building

Current Conditions

Temperature

Outside: 63	Offices: 71
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Humidity

Outside: 40	Offices: 20
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Carbon Dioxide

Outside: 500	Offices: 500
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Carbon Footprint (Tons): 10

Electricity

Month to Date

kWh: 4000	kW: 20
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Current Week kWh

Day	kWh
M	220
T	380
W	20
Th	140
F	160
S	80
S	50

Monthly kWh

Month	kWh
J	0
F	0
M	0
A	3000
M	7000
J	6000
J	4500
A	0
S	0
O	0
N	0
D	0

Gas

Month to Date

cu ft: 1000

Current Week Cubic Feet

Day	cu ft
M	40
T	55
W	10
Th	45
F	40
S	25
S	35

Monthly Cubic Feet

Month	cu ft
J	0
F	0
M	0
A	800
M	1600
J	1400
J	1000
A	0
S	0
O	0
N	0
D	0

Water

Month to Date

gals: 1500

Current Week Gallons

Day	Gallons
M	110
T	110
W	10
Th	110
F	80
S	10
S	10

Monthly Gallons

Month	Gallons
J	0
F	0
M	0
A	1200
M	2500
J	2500
J	1600
A	0
S	0
O	0
N	0
D	0

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