City Hall Energy Efficiency Project

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Project Recap

STRATEGIC PLAN GOAL 3
SOUND INFRASTRUCTURE

Energy savings measures identified:

- Cool roof coating
- LED retrofit of interior lights
- Installing light sensors / light control system
- HVAC program modifications
- ~$42k Annual Savings

A "cool roof" is a roof with a reflective coating applied that helps reflect heat.

Estimates and Actual Costs

Efficiency Measure	2018 Estimated Costs	Actual Project Bids
Implement Chilled Water & Static Pressure Resets (HVAC)	$990	$990
Replace Interior T8 Lamps with LEDs	$104,400	**$86,760 ↓**
Implement Lighting Control System	$36,600	**$62,906 ↑**
Replace 900w Interior Lights with LEDs (Council Chambers)	$4,000	**$5,484 ↑**
Apply "Cool Roof" Coating (+ Ductwork Repairs)	$42,820	**$193,479 ↑**
Subtotals:	**$188,810**	**$349,619 ↑**
Less Incentives	($79,498)	($79,498)
Net Project Cost:	**$109,312**	**$270,121**
Simple Payback Period	**2.6 Years**	**5.3 Years**

Recommended Next Steps

- Remove cool roof from project; proceed with lighting and HVAC.
- Seek Council Approval for award of bid
- Request use of alternative bidding process through Gordian Group (piggy-back)*
- Conduct public hearing to confirm project is in best interests of the City / energy efficiency
- Develop a future Capital Improvement Project to replace roof

Revised Project Stats	
Project Cost (before rebates)	$156,860
Eligible Rebates	$75,910
Payback Period	1.8 Years
Estimated Energy Savings ($ annually)	$44,073
Annual kWh Savings	459,890
Greenhouse Gas-Emission Reduction Equivalent	70  off the road

**Allowed under California Government Code Section 4217.10 et seq.*

QUESTIONS?

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