



ENERGY & WATER CONSERVATION PROJECT



Public Works Commission Presentation

May 12, 2016



PROJECT SCOPE OF WORK



- * Interior & Exterior Lighting Upgrades
- * HVAC Upgrades
- * BAS Upgrades
- * CO Monitoring System
- * Water Conservation
 - Weather Based Smart Irrigation Controls
 - Master Valve/ Flow Sensors
- * Battery Storage Demand Shedding
- * Street Lighting (LS-3) – Design, Engineer, & Test

FINANCIAL HIGHLIGHTS



Total Infrastructure Improvements \$2,979,858

Total Lifecycle Savings \$5,697,087

COMPLETION SCHEDULE



CO Monitoring System Complete

Water Conservation Upgrades Complete

Lighting Upgrades September

HVAC/ BAS Upgrades June

Street Lighting Design, Engineer, & Test November

ENVIRONMENTAL BENEFITS



Savings from the proposed energy project translates into the following green equivalencies:



This project will also save the same energy as installing a 1.07MW solar PV system – at a fraction of the cost



Remove **233** cars off the road



Save **126,544** gallons of gasoline



Preserve **33,356** trees from deforestation



Power **167** Beverly Hills homes



Provide drinking water for **49,779** residents