

# Sustainability



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The Sustainability Department leads sustainability, climate, energy policy and projects for the City; and is currently focused primarily on municipal assets that have energy and cost savings opportunities. These assets include: streetlights and other outdoor lighting; building upgrades such as air conditioning, chiller, pumping and fan systems; renewable energy technology such as solar photovoltaic systems and battery storage; and electric vehicle charging infrastructure. The department works with Public Works - Facilities Maintenance Division and other asset managing departments to prioritize projects based on: need, potential energy savings, return on investment, and contribution to the goals of the Climate Action Plan.

## **2019 CIP Accomplishments**

The Department has continued to dedicate capital resources to promote sustainability with projects like the Zero Net Energy for existing buildings. The department explores opportunities for both municipal operations and the broader community.

- Issued Request for Proposal (RFP) for the design and construction of the General Electric (GE) Lighting Upgrade and Installation project.
- Completed the installation of solar photovoltaic systems at six sites.
- Issued RFP for solar battery storage

## **2020 CIP Goals**

The department will continue to promote sustainability and energy efficiencies through its effective delivery of capital improvement projects. The following are the Sustainability Department goals for Fiscal Year 2020:

- Complete the GE Lighting Upgrade and Installation project.
- Complete the installation of solar photovoltaic systems at four City sites.
- Complete the installation of solar photovoltaic systems with battery storage for four City sites.
- Complete the City Administration Building complex energy efficiencies upgrades.



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Sustainability: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2020 Proposed	Future Fiscal Years	Project Total
Citywide Energy Improvements / ABT00003	\$ 31,732,349	\$ -	\$ 2,000,000	\$ 33,732,349
<b>Total</b>	<b>\$ 31,732,349</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 33,732,349</b>



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**Sustainability**

**Citywide Energy Improvements / ABT00003**

**Bldg - Other City Facility / Structures**

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Olson, Bryan
<b>Duration:</b>	2010 - 2024		858-492-5059
<b>Improvement Type:</b>	Betterment		olsonb@sandiego.gov

**Description:** This annual allocation will provide for energy efficiency improvements in City facilities. Projects typically address lighting, air conditioning, chiller, pumping and fan systems, invertors, and City-owned solar systems. Newer, more efficient technologies greatly reduce energy consumption.

**Justification:** Energy efficiency improvements repay capital costs in one to nine years, depending upon the project. The energy savings continue each year thereafter. Energy audits are performed in a variety of City-owned facilities to identify opportunities for energy savings.

**Operating Budget Impact:** There will be energy cost savings related to the energy efficiency projects for various City departments.

**Relationship to General and Community Plans:** These projects are consistent with applicable community plans and are in conformance with the City's General Plan and helps to implement the City's Climate Action Plan.

**Schedule:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2020.

**Expenditure by Funding Source**

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2020	FY 2020 Anticipated	FY 2021	FY 2022	FY 2023	FY 2024	Future FY	Unidentified Funding	Project Total
Energy Conservation Program CIP Fund	200225	\$ -	\$ 658,594	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 2,658,594
GEGF California Master Lease Agreement	400867	21,476,552	8,797,203	-	-	-	-	-	-	-	-	30,273,755
Infrastructure Fund	100012	-	800,000	-	-	-	-	-	-	-	-	800,000
<b>Total</b>		<b>\$ 21,476,552</b>	<b>\$ 10,255,797</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 33,732,349</b>



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