

Sustainability



Page Intentionally Left Blank

Sustainability

The Department of Sustainability leads the implementation of the City's Climate Action Plan (CAP) which aims to achieve the greenhouse gas (GHG) reduction targets set forth by the State of California. The Department facilitates innovative efforts across multiple City departments to enhance economic, social and environmental sustainability. These efforts promote renewable electricity, water and energy efficiency, zero waste, bicycling, walking, transit, smart growth and land use, and resiliency measures.

The City's Climate Action Plan directs the Department to develop a Municipal Energy Strategy and Implementation Plan that will outline a path to achieve a 25% reduction in municipal energy consumption by 2035. The Department's CIP funds are dedicated to projects that deliver those energy use reductions and associated energy cost savings. Projects may include energy retrofits and retro-commissioning (RCx) for existing building systems such as heating, ventilation and air conditioning (HVAC), lighting, and associated controls, renewable energy technology such as solar photovoltaic and thermal systems, microgrids and battery storage to increase resiliency at critical facilities, and electric vehicle charging infrastructure.

2021 CIP Accomplishments

The Department continued to dedicate capital resources to reduce energy consumption in municipal facilities through the following projects:

- Developed the Municipal Energy Strategy and Implementation Plan
- Completed RCx of mechanical control systems in the Civic Center Complex facilities
- Supported the replacement of a chiller at the Point Loma Library
- Secured Council approval to pursue a model for comprehensive clean energy retrofits of City facilities with little to no impact on the General Fund (i.e. Energy Savings Performance Contracts in partnership with Energy Services Companies)
- Continued implementation of the Smart City Open Urban Platform (SCOUP) grant program that will benchmark, track and improve energy performance at select City facilities

2022 CIP Goals

The Department of Sustainability will continue to improve the energy performance at City facilities in Fiscal Year 2022 through the following goals:

- Begin implementation of energy projects identified in the Municipal Energy Strategy and Implementation Plan
- Support completion of the chiller replacement at the Point Loma Library
- Complete implementation of the SCOUP grant program
- Begin the identification and implementation of Climate Equity Fund related projects



Page Intentionally Left Blank

Sustainability: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2022 Proposed	Future Fiscal Years	Project Total
Citywide Energy Improvements / ABT00003	\$ 32,465,999	\$ 750,000	\$ 5,787,105	\$ 39,003,104
Total	\$ 32,465,999	\$ 750,000	\$ 5,787,105	\$ 39,003,104



Page Intentionally Left Blank

Sustainability

Citywide Energy Improvements / ABT00003

Bldg - Other City Facility / Structures

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Hawes, Lindsey
Duration:	2010 - 2040		858-627-3352
Improvement Type:	Betterment		lhawes@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, are in conformance with the City's General Plan, and help to implement the City's Climate Action Plan.

Schedule: Projects will be scheduled on a priority basis in accordance with the Municipal Energy Strategy Plan.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2022.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2022	FY 2022 Anticipated	FY 2023	FY 2024	FY 2025	FY 2026	Future FY	Unidentified Funding	Project Total
Energy Conservation Program CIP Fund	200225	\$ 347,186	\$ 311,407	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,658,594
GEGF California Master Lease Agreement	400867	20,242,862	10,030,893	-	-	-	-	-	-	-	-	30,273,755
Infrastructure Fund	100012	-	800,000	-	-	-	-	-	-	-	-	800,000
Metro Sewer Utility - CIP Funding Source	700009	-	266,650	325,000	-	1,813,332	446,459	1,380,922	158,195	-	-	4,390,558
Muni Sewer Utility - CIP Funding Source	700008	-	320,000	57,500	-	109,546	-	-	-	-	-	487,046
Water Utility - CIP Funding Source	700010	-	147,000	367,500	-	878,651	-	-	-	-	-	1,393,151
Total		\$ 20,590,048	\$ 11,875,951	\$ 750,000	\$ -	\$ 3,301,529	\$ 946,459	\$ 1,380,922	\$ 158,195	\$ -	\$ -	\$ 39,003,104