

Citywide Capital Improvement Projects



SAN LORENZO RIVER

Capital Improvement Projects
FY 2015 – FY 2017
Non-Departmental
City of Santa Cruz



c601501
Corp Yard and Water Facility Solar Upgrade Study

c601301
Parking Lot Repairs

c601504
Emergency Generators

c141301
Space Utilization Plan

c601402
Arena Capital Improvements

Unmapped Projects

- c601303 - IT Five Year Strategic Plan
- m609195 - Public Facilities - Maintenance
- c601502 - Utility Dashboards and Utility Sub-Meters

Arena Capital Improvements

Project Description:

Originally built as a temporary structure to be used by D league basketball Santa Cruz Warriors. Additional improvements needed to be used as facility for other local sports events.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601402							Account # 311-60-00-9990-57290
Project Cost Estimate:	108,676	66,324	66,324	-	-	-	-
Net Project Cost Estimates:	108,676	66,324	66,324	-	-	-	-

City Hall Campus Emergency Generators

Project Description:

The project will replace the 1980's era emergency standby generator at city hall to improve reliability, reduce noise and increase the electrical output. Project includes the electrical design and connection so that all the buildings have power during a service interruption. The project is under construction in FY17. The future allocation funds an emergency standby generator for the current Parks and Recreation building.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601504							Account # 311-60-00-9410-57490
Project Cost Estimate:	35,399	309,601	309,601	-	150,000	-	150,000
Project Funding Estimates:							
Refuse Fund	-	15,000	15,000	-	23,550	-	23,550
Storm Water Fund	-	5,484	5,484	-	8,660	-	8,660
Wastewater Fund	-	25,968	25,968	-	8,550	-	8,550
Parking Fund	-	13,548	13,548	-	21,390	-	21,390
From General Fund	-	35,000	35,000	-	23,685	-	23,685
Net Project Cost Estimates:	35,399	214,601	214,601	-	64,165	-	64,165

City Hall Parking Lot Repairs

Project Description:

The parking lots in the City Hall complex (Annex, Parks, Civic, Locust) have received very limited maintenance in the last 30 years and are in need of drainage improvements and pavement or concrete rehabilitation. The multi-year program is a phased approach to addressing this deferred maintenance. Storm water quality improvements will be incorporated where feasible. The Annex parking lot was completed concurrently with the solar carport project and included storm water quality improvements funded by Measure E. The Locust and the Parks and Recreation lots are proposed to be repaired in FY17 and the Civic lot in FY19.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601301							Account # 311-60-00-9410-57290
Project Cost Estimate:	120,123	-	-	100,000	-	300,000	400,000
Net Project Cost Estimates:	120,123	-	-	100,000	-	300,000	400,000

Corp Yard Solar Upgrade

Project Description:

The Corporation Yard Main Building has a solar photovoltaic systems which can potentially be increased. A study was completed which recommended that an additional 200 solar modules, 55kw could be added to the roof to compliment the existing system. The payback is 5 years. The project will be implemented following with the seismic retrofit of the building, as a new roof will be installed at that time.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601501	Account # 311-60-00-9410-57290						
Project Cost Estimate:	16,133	70,467	70,467	169,400	-	-	169,400
Project Funding Estimates:							
Water Fund	16,133	34,867	34,867	29,814	-	-	29,814
Parking Fund	-	11,000	11,000	4,066	-	-	4,066
Equipment Fund	-	6,600	6,600	43,875	-	-	43,875
Refuse Fund	-	-	-	91,645	-	-	91,645
Net Project Cost Estimates:	-	18,000	18,000	-	-	-	-

Corp Yard Stormwater Pollution Prevention Plan and Implementation

Project Description:

Development of a required Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard which will identify storm water quality Best Management Practices (BMP's) and provide funding for implementation. Structural BMP's may include a oil/water separator or other treatment system to capture oil and silt from the vehicle storage areas. Non-structural BMP's will include additional sweeping, monitoring and inspections.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601701	Account # 311-60-00-9410-57311						
Project Cost Estimate:	-	100,000	100,000	25,000	-	-	25,000
Project Funding Estimates:							
Water Fund	-	15,000	15,000	4,400	-	-	4,400
Refuse Fund	-	46,000	46,000	13,525	-	-	13,525
Equipment Fund	-	22,000	22,000	6,475	-	-	6,475
Parking Fund	-	2,000	2,000	600	-	-	600
Net Project Cost Estimates:	-	15,000	15,000	-	-	-	-

Corporation Yard Main Bldg Seismic

Project Description:

The Corporation Yard Main Building was constructed in 1966 and has been modified over the years. It currently houses Fleet, Water Operations, Public Works Operations, Building Maintenance, Street Maintenance, Traffic Maintenance and Parking Maintenance, and is an important emergency operations deployment center. The need to upgrade the buildings life-safety performance during a seismic event was identified in the Corporation Yard Master Plan. The seismic stability and retrofit strategies study for the building was done in FY12; the design initiated in FY 14 and construction is started in FY17. Costs have increased due to additional structural and ADA requirements.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601101							Account # 311-60-00-9410-57290
Project Cost Estimate:	173,530	2,386,470	2,386,470	-	-	-	-
Project Funding Estimates:							
Parking Fund	38,280	119,560	119,560	-	-	-	-
Water Fund	93,901	335,219	335,219	-	-	-	-
Equipment Fund	25,247	68,043	68,043	-	-	-	-
Workers Comp Fund	14,452	1,231,673	1,231,673	-	-	-	-
Net Project Cost Estimates:	1,650	631,975	631,975	-	-	-	-

Install Corp Yard Heating System - CEC

Project Description:

Remove boiler in main building that currently supports radiant floor heating system, with 120 lineal feet of infrared heating system. The radiant floor system is being decommissioned in order to complete the seismic retrofit and beam replacement project. Energy savings of 2,122 kWh and 1,204 therms.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601606							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	42,224	42,224	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	42,224	42,224	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Insulate Ductwork on Annex Roof - CEC

Project Description:

Spray foam insulation on exposed duct work to reduce heat and loss/gain. Energy savings of 906 kWh and 137 therms.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601603							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	4,500	4,500	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,500	4,500	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

IT Five Year Strategic Plan

Project Description:

Information Technology Strategic Plan - Transfers from Enterprise Funds in the same % as their shares of IT costs in the cost allocation plan, with remainder from the General Fund. Requested dollars cover the design, development and implementation of technology related projects which are prioritized on a rolling basis according to the Council and City's then current strategic focus areas, end of life platforms, statutory mandates, service delivery improvements and/or innovations. Each year's Information Technology budget presentation and work plan specify the approved projects.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601303	Account # 311-60-00-9910-57990						
Project Cost Estimate:	379,444	1,032,756	1,032,756	712,360	1,200,000	550,000	2,462,360
Project Funding Estimates:							
From General Fund	235,179	658,518	658,518	479,143	807,134	369,938	1,656,215
Water Fund	59,177	155,417	155,417	88,825	149,630	68,580	307,035
Wastewater Fund	29,963	93,438	93,438	54,674	92,101	42,213	188,988
Refuse Fund	32,340	66,749	66,749	60,174	101,366	46,459	207,999
Parking Fund	12,365	45,874	45,874	19,546	32,927	15,091	67,564
Storm Water Fund	6,581	13,839	13,839	9,998	16,842	7,719	34,559
Golf Course Fund	2,760	-	-	-	-	-	-
Net Project Cost Estimates:	1,079	(1,079)	(1,079)	-	-	-	-

Neighborhood Grant Program - Pilot

Project Description:

Pilot Program - Opportunities for communities to volunteer and to initiate local projects which support safe and well-maintained neighborhoods and public spaces.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601401	Account # 311-60-00-9810-57390						
Project Cost Estimate:	5,287	19,713	19,713	-	-	-	-
Net Project Cost Estimates:	5,287	19,713	19,713	-	-	-	-

Permitting Application

Project Description:

Implementation of a city-wide permitting system which will replace the legacy application on the HP3000.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c600802	Account # 311-60-00-9910-57901						
Project Cost Estimate:	552,700	62,300	62,300	-	-	-	-
Net Project Cost Estimates:	552,700	62,300	62,300	-	-	-	-

Public Facilities - Maintenance CEC

Project Description:

Provides funding for remodeling and/or repairs to various public buildings and will be prioritized based on a facilities conditions assessment (c601302) that has been completed and approved by City Council. The City has received a CEC loan which funds approximately \$2.0 million in energy saving projects allocated to many city-wide projects. The FY16 funding is for the measurement and verification, engineering and project management for all the CEC funded projects.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # m609195	Account # 311-60-00-9410-57290						
Project Cost Estimate:	352,958	341,937	341,937	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	594,471	594,471	-	-	-	-
Net Project Cost Estimates:	352,958	(252,534)	(252,534)	-	-	-	-

Remove Corp Yard Wall Furnaces - CEC

Project Description:

Replace two wall furnaces in main building with ductless split system heat pump with inverter and electrically reversing valve for heating only. Energy savings of 1,056 therms.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601608	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	11,231	11,231	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	11,231	11,231	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Remove Indoor Condenser - Maint Garage - CEC

Project Description:

Remove indoor condenser unit and place with a new unit on the roof. Energy savings of 1440 kWh.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601614	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	4,758	4,758	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,758	4,758	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace City Hall Condensing Units - CEC

Project Description:

Replace 4 rooftop condensing units serving the indoor handler units on the historic portion of city hall. Energy savings are 5,408 kWh of electricity and 14 therms of natural gas.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601601							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	29,797	30,288	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	29,797	29,797	-	-	-	-
Net Project Cost Estimates:	-	-	491	-	-	-	-

Replace Corp Yard Air Furnace - CEC

Project Description:

Replace old forced air furnace in main building with new more efficient unit. Energy savings of 274 kWh and 8 therms.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601607							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	4,031	4,031	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,031	4,031	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Corp Yard Condensing Unit - CEC

Project Description:

Replace main building rooftop condensing unit with inverter unit and indoor unit. Energy savings of 2,137 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601610							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	7,229	7,229	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	7,229	7,229	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Corp Yard Services Bay Heaters - CEC

Project Description:

Replace two garage service bay heaters with more efficient infrared system. Energy savings of 2,137 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601609							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	12,821	12,821	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	12,821	12,821	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Fans on Annex Roof - CEC

Project Description:

Replace three belt driven fans on Annex roof with direct drive fans. Energy savings of 4,322 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601604							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	8,058	8,058	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	8,058	8,058	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Furnace - Maint Garage - CEC

Project Description:

Replace one 80% efficient gas furnace with condensing furnaces. Energy savings of 468 kWh and 104 therms.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601612							Account # 311-60-00-9410-57290
Project Cost Estimate:	-	4,184	4,184	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,184	4,184	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Heater - Maint Garage - CEC

Project Description:

Replace one Reznor unit heater with condensing furnace. Energy savings of 208 kWh and 303 therms.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601613	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	4,292	4,292	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	4,292	4,292	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Replace Heaters- Maint Building D - CEC

Project Description:

Replace two unit heaters with with sealed combustion chamber infrared units. Energy savings of 484 kWh and 196 therms.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601611	Account # 311-60-00-9410-57290						
Project Cost Estimate:	-	12,821	12,821	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	12,821	12,821	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Retrofit Corp Yard Exterior Lighting - CEC

Project Description:

Replace thirteen wall packs with LED wall packs. Energy savings of 8,061 kWh.

Fiscal Year 2017							
	Prior Year	Budgeted	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Project # c601605	Account # 311-60-00-9320-57305						
Project Cost Estimate:	-	8,867	8,867	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	8,867	8,867	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

Retrofit Exterior Lighting (City-Wide) - CEC

Project Description:

Preplace 15 wall packs and 22 can lights at parking garage, Police Department and other locations to LED systems. Energy savings of 12,739 kWh.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601615							Account # 311-60-00-9320-57305
Project Cost Estimate:	-	15,372	15,372	-	-	-	-
Project Funding Estimates:							
Loan proceeds	-	15,372	15,372	-	-	-	-
Net Project Cost Estimates:	-	-	-	-	-	-	-

San Lorenzo River Lagoon Management Program

Project Description:

Three to five year management program to address public and private infrastructure flooding that results from high waters on the San Lorenzo River during the summer months, while mitigating impacts to wildlife habitat.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c601403							Account # 311-60-00-9145-57106
Project Cost Estimate:	260,909	224,341	224,341	-	110,000	-	110,000
Project Funding Estimates:							
State capital grants-STIP	-	75,000	75,000	-	-	-	-
State capital grants	64,219	-	-	-	-	-	-
From General Fund	45,000	-	-	-	-	-	-
Contributions - businesses	-	50,000	50,000	-	-	-	-
Net Project Cost Estimates:	151,690	99,341	99,341	-	110,000	-	110,000

Space Utilization Plan for City Hall

Project Description:

Space Utilization Design for City Hall.

	Prior Year	Fiscal Year 2017		FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
		Budgeted	Estimated Actuals				
Project # c141301							Account # 311-14-11-9410-57203
Project Cost Estimate:	152,837	412,163	412,163	-	-	-	-
Net Project Cost Estimates:	152,837	412,163	412,163	-	-	-	-

Existing Capital Projects for General Capital Improvement Fund (311) Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165

Citywide Projects Totals for General Capital Improvement Fund (311)

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165

Citywide Totals

	Fiscal Year 2017						
	Prior Year Totals	Budget	Estimated Actuals	FY 2018 Adopted	FY 2019 Estimate	FY 2020 Estimate	Total 2018 - 2020
Total Project Cost Estimate:	2,157,995	5,196,257	5,196,748	1,006,760	1,460,000	850,000	3,316,760
Total Project Funding Estimate:	675,597	3,910,453	3,910,453	906,760	1,285,835	550,000	2,742,595
Total Net Project Cost Estimate:	1,482,398	1,285,804	1,286,295	100,000	174,165	300,000	574,165