

# **Environmental Services**



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# Environmental Services

The Environmental Services Department ensures that all residents of the City of San Diego are provided with a clean, safe, and ecologically-sound environment. The Department operates a full-service landfill and maintains eight closed landfills and eight inactive burn sites, all of which require sustained improvements related to landfill gas systems, groundwater monitoring networks, and grading and slope work. The Department also manages the City's energy use and a variety of programs focused on implementing innovative alternatives to increase energy efficiency at City facilities. Through the Capital Improvements Program, the Department identifies and dedicates Refuse Disposal Fund resources to projects that focus on providing reliable solid waste management.

## 2015 CIP Accomplishments

The Department has continued to dedicate capital improvement resources towards its mission of providing reliable solid waste management, resource conservation, and environmental protection to preserve public health and ensure sustainable communities for future generations.

The Department's Energy, Sustainability, and Environmental Protection Division completed projects for Fiscal Year 2015 included:

- Completion of the Broad Spectrum Post Top Pedestrian Street Lighting project which retrofitted 3,465 decorative pedestrian street lights with energy efficient LED fixtures with adaptive controls. Expected project savings are over 2.5 million kilowatt hours and \$254,000 in utility costs annually.

The Department's Waste Reduction and Disposal Division completed improvements at landfills throughout the City included:

- Completion of design work of a landfill gas blower/flare station for the West Miramar landfill.
- Implementing comprehensive grading, drainage, and landfill gas improvements at the Chollas Operations Yard. This also includes the replacement of lighting poles, storage containers, and permanent staging areas which will ensure a clean, safe, and healthy environment for the employees and customers at the operations yard.

## 2016 CIP Goals

The Department will continue to promote sustainability and public health through its effective delivery of capital improvement projects. The following are the Department's goals for Fiscal Year 2016:

- Solicit designs from pre-qualified vendors and select one to begin construction on a Compressed Natural Gas Fueling Station at the Environmental Services Operations Station. This project will provide the necessary fueling infrastructure to begin converting the City's refuse and recycling fleet from low sulfur diesel to compressed natural gas.
- Continue construction on energy improvements to City facilities resulting in the installation of more efficient technologies, such as lighting and air conditioning, in order to reduce energy consumption.
- In collaboration with the Public Utilities Department, the Environmental Services Department, through its Energy Conservation Fund, is contributing \$1.3 million toward a \$4.0 million project which will finance solar photovoltaic systems at Bayview Reservoir and the Metropolitan Operations Center complex. These systems will range in size from 30 to 500 kilowatts. Combined, these systems are anticipated to generate one megawatt of solar power and be completed in Fiscal Year 2016.

## Environmental Services

- Award a solar power purchase agreements to install solar photovoltaic systems at over 100 City facilities and closed landfills.
- Begin construction of a new landfill gas handling facility at West Miramar Landfill in order to capture and destroy greenhouse gases that would otherwise enter into the atmosphere, thus ensuring compliance with state, federal, and local regulations.
- Complete construction at the South Chollas Landfill and Operations Yard in order to bring site into compliance with State regulations.

## Environmental Services

### Environmental Services: Capital Improvement Projects

Project	Prior Fiscal Years	FY2016 Adopted	Future Fiscal Years	Project Total
CNG Fueling Station for Refuse & Recycling / <b>S15000</b>	\$ 1,200,000	\$ 900,000	\$ 900,000	\$ 3,000,000
Citywide Energy Improvements / <b>ABT00003</b>	522,246	-	-	522,246
Environmental Services Operations Yard Improvement / <b>AFA00003</b>	8,076	-	-	8,076
Future Waste Mgmt Disposal & Pro Fac / <b>S01088</b>	13,626,920	-	-	13,626,920
Minor Improvements to Landfills / <b>AFA00001</b>	1,634,975	-	-	1,634,975
Miramar Landfill Greenery Expansion / <b>S00975</b>	397,858	-	-	397,858
South Chollas Landfill / <b>S00776</b>	1,776,000	-	-	1,776,000
South Chollas Landfill Improvements / <b>S00684</b>	15,828,624	-	-	15,828,624
Underground Tank Program / <b>AFA00002</b>	407,565	-	-	407,565
West Miramar Landfill - Phase 2 / <b>S00774</b>	3,060,000	-	-	3,060,000
West Miramar Refuse Disposal Fac Ph 2 / <b>S01074</b>	39,112,334	-	-	39,112,334
<b>Environmental Services Total</b>	<b>\$ 77,574,598</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 79,374,598</b>



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## Environmental Services

### CNG Fueling Station for Refuse & Recycling / S15000

**Council District:** 1  
**Community Plan:** University  
**Project Status:** Continuing  
**Duration:** 2015 - 2021  
**Improv Type:** New

### Landfills - Supporting Fac / Struct

**Priority Score:** 55  
**Priority Category:** Low  
**Contact Information:** Fergusson, Craig  
 858-627-3311  
 cfergusson@sandiego.gov

**Description:** This project provides for the design and construction of a compressed natural gas (CNG) fueling station at the Environmental Services Operations Station located at 8353 Miramar Place. In conjunction with the completion of the fueling station, the division plans to put into service refuse and recycling vehicles that run on CNG eventually replacing the entire fleet of low sulphur diesel refuse and recycling packers. The construction of CNG fueling infrastructure and the replacement of vehicles will be implemented in a phased approach. It is estimated that CNG infrastructure will be constructed to allow for the replacement of approximately 20 vehicles on an annual basis until all vehicles have been replaced.

**Justification:** This project provides for the necessary infrastructure to convert Environmental Services fleet refuse and recycling vehicles from low sulfur diesel to compressed natural gas.

**Operating Budget Impact:** Provides for a positive operating budget impact by saving fuel costs to the General Fund and Recycling Enterprise Fund.

**Relationship to General and Community Plans:** This project is in conformance with the Conservation Element of the City's General Plan.

**Schedule:** Design and construction are scheduled to continue in Fiscal Year 2016 and will continue through each phase of the project which is scheduled to be completed in Fiscal Year 2021.

**Summary of Project Changes:** A total of \$1.8 million of General Fund funding will be allocated to this project, of which \$900,000 is in Fiscal Year 2016 and \$900,000 is anticipated in Fiscal Year 2018.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
CIP Contributions from General Fund	400265	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Recycling Fund CIP Fund	700049	70,352	1,129,648	-	-	-	-	-	-	-	-	1,200,000
<b>Total</b>		<b>\$ 70,352</b>	<b>\$ 1,129,648</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000,000</b>

# Environmental Services

## Citywide Energy Improvements / ABT00003

## Bldg - Other City Facility / Structures

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Reddy, Chandra
<b>Duration:</b> 2010 - 2020	858-492-6002
<b>Improv Type:</b> Betterment	creddy@sandiego.gov

**Description:** This project 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:** None

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

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

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2016.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016							Unidentified Funding	Project Total	
				FY 2016	Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY			
Energy Conservation Program CIP Fund	200225	\$ -	\$ 522,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 522,246
<b>Total</b>		\$ -	\$ 522,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 522,246



# Environmental Services

## Environmental Services Operations Yard Improvement / AFA00003

## Landfills

<b>Council District:</b> 5	<b>Priority Score:</b> Annual
<b>Community Plan:</b> University	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Coleman, Monique
<b>Duration:</b> 2010 - 2016	858-526-2335
<b>Improv Type:</b> New	mcoleman@sandiego.gov

**Description:** This annual allocation provides for operational yard improvements necessary to support heavy equipment and other upgrades related to yard security, safety, and stormwater runoff to the Environmental Services Operations Station (ESOS) Yard.

**Justification:** Operational yard improvements are required to support heavy equipment. Other upgrades will improve yard security, safety, and ensure regulatory compliance with stormwater runoff.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the University Community Plan and is in conformance with the City's General Plan.

**Schedule:** This annual is scheduled to be closed by the end of the Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
Refuse Disposal CIP Fund	700040	\$ 8,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,076
<b>Total</b>		<b>\$ 8,076</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>8,076</b>

## Environmental Services

### Future Waste Mgmt Disposal & Pro Fac / S01088

### Landfills - Supporting Fac / Struct

<b>Council District:</b> Citywide	<b>Priority Score:</b> 92
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Fergusson, Craig
<b>Duration:</b> 1989 - 2018	858-627-3311
<b>Improv Type:</b> New	cfergusson@sandiego.gov

**Description:** This project provides for the development and construction of solid waste disposal and processing facilities. Strategic planning, design, construction, environmental review, and potential purchase of mitigation property are all within the scope of the project.

**Justification:** The City must continue to have adequate disposal or processing facilities for the solid waste it generates each year. Technology to recover and/or convert portions of refuse material is being explored and developed. It appears that there will always be a need for landfilling part of the generated waste stream and residue from other solid waste disposal facilities.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Ongoing efforts are being made to identify solid waste processing and disposal options. The project is scheduled to continue through Fiscal Year 2018.

**Summary of Project Changes:** No significant changes were made to this project in Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016					Future FY	Unidentified Funding	Project Total
					Actual	Anticipated	FY 2017	FY 2018	FY 2019			
Refuse Disposal CIP Fund	700040	\$ 3,676,304	\$ 9,950,615	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,626,920
<b>Total</b>		<b>\$ 3,676,304</b>	<b>\$ 9,950,615</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,626,920</b>

# Environmental Services

## Minor Improvements to Landfills / AFA00001

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Fergusson, Craig
<b>Duration:</b> 2010 - 2016	858-627-3311
<b>Improv Type:</b> New	cfergusson@sandiego.gov

**Description:** This annual allocation provides for minor improvements to existing sanitary landfills to comply with operating permits and regulatory requirements. Such improvements may include fencing, access roads, drains, small structures, and environmental protection projects. This project also provides for minor improvements to existing groundwater monitoring networks at all closed and operating landfills managed by the City. Improvements include new facilities as well as engineering reports and/or design specifications necessary to mitigate groundwater issues or modify groundwater monitoring programs.

**Justification:** This project provides the flexibility for timely initiation of minor improvements and construction needed to meet operational and solid waste regulatory mandates such as drainage, grading, and groundwater monitoring improvements.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** Projects are scheduled on a priority basis to meet regulatory requirements.

**Summary of Project Changes:** A balance of \$1.6 million remains in this project for future projects. No additional funds will be added to this project until tasks are identified and scheduled.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
Refuse Disposal CIP Fund	700040	\$ -	\$ 1,634,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,634,975
<b>Total</b>		<b>\$ -</b>	<b>\$ 1,634,975</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,634,975</b>

## Environmental Services

### Miramar Landfill Greenery Expansion / S00975

<b>Council District:</b> Citywide	<b>Priority Score:</b> 53
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Thompson, Michael
<b>Duration:</b> 2009 - 2018	858-492-6151
<b>Improv Type:</b> Betterment	mthompson@sandiego.gov

**Description:** This project provides for the expansion of the existing Miramar Greenery currently located at the Miramar Landfill. The expansion of curbside greens collection to additional neighborhoods in the City will increase the tonnage coming into the facility, requiring additional acreage and equipment.

**Justification:** Expansion of curbside greens collection will increase the diversion of solid waste required by the State of California. A larger facility is required to process the increased tonnage expected as a result of expanded curbside pickup.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** The remaining balance in this project will be used to conduct a feasibility study and potentially the preliminary design of an anaerobic digestion facility at the Miramar Greenery in Fiscal Year 2016. An anaerobic digestion facility will allow the Miramar Greenery to intake and process food waste into commodities such as compost.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
Refuse Disposal CIP Fund	700040	\$ -	\$ 397,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 397,858
<b>Total</b>		\$ -	\$ 397,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 397,858

## Environmental Services

### South Chollas Landfill / S00776

### Landfills - Supporting Fac / Struct

<b>Council District:</b> 4	<b>Priority Score:</b> 85
<b>Community Plan:</b> Eastern Area (Mid-City)	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Purtee, Ray
<b>Duration:</b> 2000 - 2016	858-573-1208
<b>Improv Type:</b> Betterment	rpurtee@sandiego.gov

**Description:** This project provides for modifying the existing landfill gas collection system to enhance operations and maintain regulatory compliance.

**Justification:** Federal and State waste disposal legislation require proper environmental safeguards to control landfill gas.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mid-City: Eastern Area Community Plan and is in conformance with the City's General Plan.

**Schedule:** This project is scheduled to be completed by the end of the Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016						Unidentified Funding	Project Total	
					Actual	Anticipated	FY 2017	FY 2018	FY 2019	FY 2020			Future FY
Refuse Disposal CIP Fund	700040	\$ 788,476	\$ 987,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,776,000
<b>Total</b>		<b>\$ 788,476</b>	<b>\$ 987,524</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>1,776,000</b>

## Environmental Services

### South Chollas Landfill Improvements / S00684

### Landfills - Supporting Fac / Struct

<b>Council District:</b> 4	<b>Priority Score:</b> 85
<b>Community Plan:</b> Eastern Area (Mid-City)	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Fergusson, Craig
<b>Duration:</b> 2000 - 2016	858-627-3311
<b>Improv Type:</b> Replacement	cfergusson@sandiego.gov

**Description:** This project provides for cover material, grading, drainage, and site improvements at the inactive South Chollas Landfill. The project will also result in improvements to the Chollas Operations Yard required by the Regional Water Quality Control Board in order to bring the site into compliance. A Corrective Action Plan has been developed to identify the corrective measures and timelines to mitigate the groundwater issues.

**Justification:** This project is required to maintain compliance with various State and federal regulatory requirements and to avoid code violations.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mid-City: Eastern Area Community Plan and it is in conformance with the City's General Plan.

**Schedule:** The City is in the process of awarding the construction contract for the grading, drainage, and site improvements of the Chollas Operations Yard. Construction began in Fiscal Year 2015 and will be completed in Fiscal Year 2016.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016						Unidentified Funding	Project Total
					Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY		
Fleet Services CIP Fund	400676	\$ 338,822	\$ 1,315,206	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,654,028
CIP Contributions from General Fund	400265	4,636,144	497,856	-	-	-	-	-	-	-	-	5,134,000
Refuse Disposal CIP Fund	700040	6,191,599	120,103	-	-	-	-	-	-	-	-	6,311,702
Water Utility - CIP Funding Source	700010	1,964,289	764,605	-	-	-	-	-	-	-	-	2,728,894
<b>Total</b>		<b>\$ 13,130,854</b>	<b>\$ 2,697,770</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,828,624</b>

**Environmental Services**  
**Underground Tank Program / AFA00002**

**Landfills**

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Fergusson, Craig
<b>Duration:</b> 2010 - 2020	858-627-3311
<b>Improv Type:</b> New	cfergusson@sandiego.gov

**Description:** This project provides for implementation of the Citywide Underground Hazardous Materials Storage Tank Master Plan. The plan addresses the removal, installation, closure, site assessment and mitigation, replacement, testing, and rehabilitation of the 69 City-owned underground storage tanks (USTs). Site assessment and mitigation activities related to 11 unauthorized releases are ongoing to maintain regulatory compliance, eligibility for State reimbursement, protection of groundwater, and public health and safety.

**Justification:** Title 23, California Code of Regulations, Chapter 16 and the California Health and Safety Code, Chapter 6.7 establish guidelines and regulations for the design, installation, rehabilitation, testing and maintenance, and monthly facility inspections by a Designated UST Operator. Non-compliance with UST laws or site assessment and mitigation (SA/M) requirements would expose the City to civil penalties of up to \$10,000 per day per UST.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with applicable community plans and is in conformance with the City's General Plan.

**Schedule:** There are no regulatory mandate-driven projects foreseen in Fiscal Year 2016. Future funding needs will be identified as new regulatory mandates arise.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

**Expenditure by Funding Source**

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
Gen Serv - Maint/Impr	400179	\$ -	\$ 368,961	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,961
UST Cleanup Fd	400629	-	38,603	-	-	-	-	-	-	-	-	38,603
<b>Total</b>		<b>\$ -</b>	<b>\$ 407,565</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 407,565</b>

## Environmental Services

### West Miramar Landfill - Phase 2 / S00774

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 1996 - 2024  
**Improv Type:** Betterment

### Bldg - Other City Facility / Structures

**Priority Score:** N/A  
**Priority Category:** N/A  
**Contact Information:** Purtee, Ray  
 858-573-1208  
 rpurtee@sandiego.gov

**Description:** This project provides for a landfill gas collection system for the West Miramar Phase II Landfill. Bio-degradation of buried waste produces landfill gas. The landfill gas collection system consists of a network of gas extraction wells connected by piping.

**Justification:** This improvement is required to maintain compliance with various State and federal regulatory requirements. It will also prevent code violations and enhance public health and safety.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design and construction began in Fiscal Year 1996 and will continue through the life of the landfill which is anticipated to close in Fiscal Year 2024. The next scheduled project is the design and construction of the the landfill gas blower flare station. The station will mitigate landfill gas surface emissions and migration. Design was completed, construction began in Fiscal Year 2015 and is scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016 Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY	Unidentified Funding	Project Total
Refuse Disposal CIP Fund	700040	\$ 1,183,261	\$ 1,876,739	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,060,000
<b>Total</b>		<b>\$ 1,183,261</b>	<b>\$ 1,876,739</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,060,000</b>



## Environmental Services

### West Miramar Refuse Disposal Fac Ph 2 / S01074

<b>Council District:</b> Citywide	<b>Priority Score:</b> 89
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Thompson, Michael
<b>Duration:</b> 1988 - 2016	858-492-6151
<b>Improv Type:</b> Betterment	mthompson@sandiego.gov

**Description:** This project provides for continuing development of the West Miramar Landfill, located southwest of Marine Corps Air Station Miramar. The facility will accommodate over 35 million cubic yards of refuse on 807 acres. Phase II will develop the second half of the facility, including design and construction of entry roads and drainage systems, excavation, federally-mandated liner systems, and stockpiling and spreading of earthen materials. This project also includes development of the General Development Plan elements for the entire site.

**Justification:** Improvements are required in order to ensure compliance with conditions set forth by the operations permit issued by the California Integrated Waste Management Board and the Regional Water Quality Control Board. In addition, the funding will provide for improvements related to drainage and stormwater runoff to ensure National Pollutant Discharge Elimination System regulatory compliance.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** This project is scheduled to be completed by the end of the Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2016.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2016	FY 2016						Unidentified Funding	Project Total	
					Anticipated	FY 2017	FY 2018	FY 2019	FY 2020	Future FY			
Refuse Disposal CIP Fund	700040	\$ 37,775,016	\$ 1,337,318	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,112,334
<b>Total</b>		<b>\$ 37,775,016</b>	<b>\$ 1,337,318</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 39,112,334</b>



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