



Information Technology Portfolio Management Update

Engineering, Operations & Technology Committee

Item 6a

September 11, 2023

Information Technology

Project Management Office

Information Technology (IT) Project Management Office (PMO) is entrusted with the overall governance and management of IT programs, projects and special initiatives. With a team of program and project managers, the PMO is responsible for implementing processes, policies, methodologies, and managing the overall execution of all assigned engagements.

Portfolio includes Infrastructure, Business Systems, Engineering Systems and Operational Technology (OT) projects in support of all Departments and functions within Metropolitan.



Welcome to Information Technology

Project Management Office - Portfolio Overview





Information Technology
Project Management Office

August 2023

4th Thu of the month

Portfolio Overview

Active Capital **40**

Active O&M **16**
No Budget Assigned

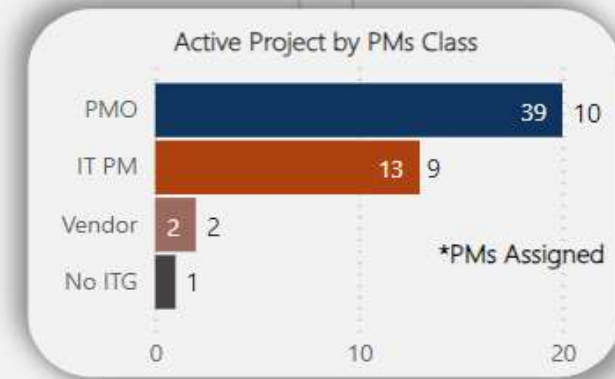
Total Active **56**

Sources:

- PMO Monthly Status Reports*
- Prioritization Managers Meeting*
- Procurement Activities Tracker*
- IT Board dates site*



90% Project Name	%
Fiber Installation at Iron Mountain, Eagle Mountain & Hinds Pump Plants	90.00%
SOC - Yubikye / MFA	95.00%
Boardroom (Fire Alarm for Cafeteria to Boardroom)	99.00%
Microsoft Azure Commercial move from San Jose to Phoenix	99.00%





Portfolio Financial Overview

Active Capital **40**

Active O&M **16**
No Budget Assigned

Total Active **56**

Sources:

- PMO Monthly Status Reports*
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Information Technology Project Management Office

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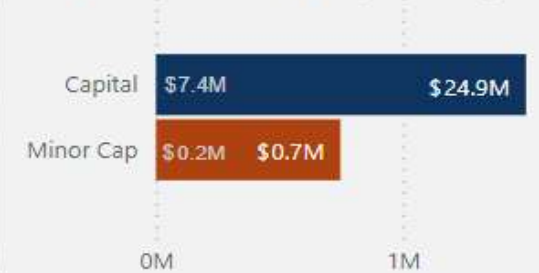
Active Capital Projects - General Health



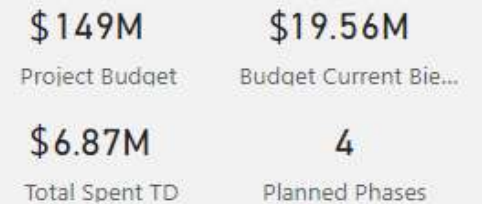
O&M and other status



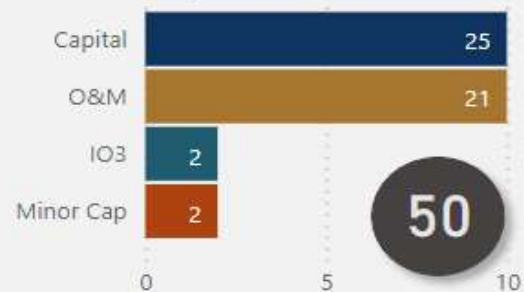
Active Projects - Biennium Spent / Budget



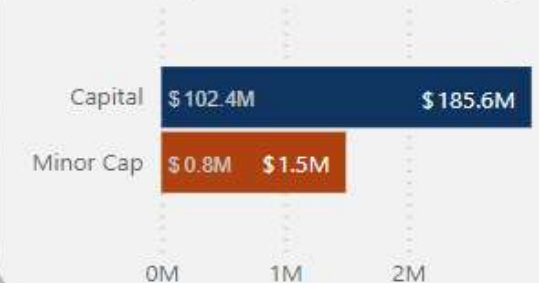
METCON - SCADA



Completed since 2019



Since 2019, Spent to date / Total CIP Budget





Look Ahead

August 2023

80%+

All



Capital O&M 1 7

Project Status	Project Name	% Completed	Est End Date	General Status	PM / Responsible
Active	CIP Budget System Improvement (Enhancement approach)	80.00%	09/01/2023	Green	F. Wen
Active	Real Property Group Business System Replacement	80.00%	09/29/2023	Yellow	J. Wingate
Active	Emergency Radio Communications System Upgrade (Two-Way R...	82.00%	08/30/2023	Green	R. Kolodji
Active	MWDH2O.com Redesign (+Micro Sites)	85.00%	12/10/2023	Yellow	F. Soto
Active	Fiber Installation at Iron Mountain, Eagle Mountain & Hinds Pum...	90.00%	10/10/2023	Green	F. Soto
Active	SOC - Yubikey / MFA	95.00%	09/30/2022	Yellow	Z. Kasilag
Active	Boardroom (Fire Alarm for Cafeteria to Boardroom)	99.00%	06/30/2024	Green	V. Konanur
Active	Microsoft Azure Commercial move from San Jose to Phoenix	99.00%	01/31/2022	Yellow	Z. Kasilag

Description

- Deploy Yubico YubiKey's to entire district
- Enforce Domain and O-365 Two-Factor Authentication with YubiKey
- Part of Cybersecurity Security Operations Center CIP
- Implement enhancements of the current CIP budgeting system for the following biennium proposal preparation process
- Update forms to meet current business needs,
- Modification to current workflows,
- Implementation of validations and notifications.

Connect Iron Mountain Pump Plant, Eagle Mountain Pump Plant, and Hinds Pump Plant to the public telecommunications network using fiber optic cable. This single mode 96 fibers optic cable would follow the paths of existing power transmission lines and terminate in the areas near switchyards and will require a repeater stations.

Replace existing Real Property application for lease management with a new application covering both Acquisitions and Property Management. Build Cognos based dashboard reports.

Replace the current MWDH2o.com with a new innovative website and design. Emphasize Metropolitan's past, present and future role in Southern California.



234

IT Priority

8.80M

Budget

31.37M

Budget Total CIP

105019-X2

CIP Project No

1618-12

CIP Index No

15378

Appropriation

Capital

Funding Source

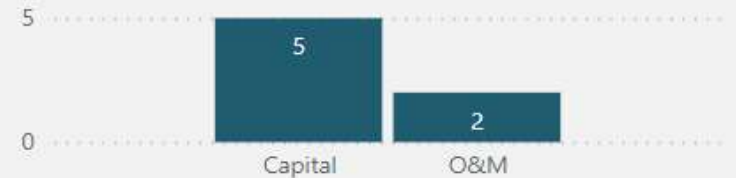


Portfolio Overview

August 2023

PM / Responsible: All
 General Status: All
 % Completed: 50.00% - 75.00%
 Est End Date: Next 6 Months
 9/5/2023 - 3/4/2024

Project Status	Project Name	% Completed	Est End Date	General Status	PM / Responsible
Active	Fuel Management System Upgrade	75.00%	10/31/2023	Green	R. Murdock
Active	Asset Monitoring and Management System	70.00%	10/13/2023	Yellow	B. Brenhaug
Active	G5 Microsoft Defender for Identity	70.00%	11/15/2023	Green	C. Parada
Active	Maximo Mobile Computing Upgrade	70.00%	11/30/2023	Green	R. Murdock
Active	G5 Microsoft Defender for Cloud Apps (CASB)	60.00%	09/30/2023	Green	D. Saunders
Active	Legacy application remediation (VDI replacement)	60.00%	09/30/2023	Yellow	R. Murdock
Active	ServiceNow - Offboarding and Onboarding Process Requirements	60.00%	09/30/2023	Green	S. Hernandez





Procurement Activities

Project Status

All

Buyer

All

PM

All



Priority	Team	AssocProject	Title	Buyer	Sourcing Strategy	Status
1.0	Procurement		LV.NET		Other (see notes)	04- Procurement
1.0	Procurement	Services Procurement	Oracle Module for Services Procurement for ESG		RFP	04- Procurement
2.0	Prof Services	CIP Budget Sys Improvements	CIP Budget Sys Improvements RFP		RFP	04- Procurement
5.0	Prof Services	Data Analytics	RFP Request for Data Analytics Phase 4		RFP	04- Procurement
6.0	Prof Services	Windows (2003/2008) Applications and S...	RFP for Legacy app upgrade vendor		RFP	04- Procurement
7.0	Prof Services	Maximo Mobile Interface Software	RFP for Maximo Mobile Interface Software		RFP	04- Procurement
8.0	Prof Services	101C - ECM Phase II	ECM Phase II RFP (Design)		RFP	04- Procurement
9.0	Prof Services	105150 - Datacenter Backup Infrastructur...	Datacenter Backup Infrastructure Upgrade	Martin Dun	RFP	04- Procurement
10.0	Procurement	105038 - Fuel Management System Upgra...			--EMPTY--	04- Procurement
40.0	Procurement	105361 - Replacement of Network Switch...			Direct Purchase	04- Procurement
50.0	--EMPTY--	105042 - Desert Tower Microwave Project			--EMPTY--	03- IT Started
50.0	Prof Services	105044 - Security Operations Center	RFQ 1303 On-Call Services (1Cyber)		RFQ	03- IT Started
50.0	--EMPTY--	105053 - AMR Pilot Upgrade Project			--EMPTY--	03- IT Started
50.0	Procurement	105053 - AMR System RTUs & Radio Mod...	Network switches and firewalls for four AMR master ...		RFB	03- IT Started
50.0	--EMPTY--	Diemer Ozone Network Upgrade Project			--EMPTY--	03- IT Started
50.0	Prof Services	RFQ1303 On-Call PM Services	RFQ1303 - Z Consulting		RFQ	03- IT Started
50.0	--EMPTY--	Zero Emission Vehicle			--EMPTY--	03- IT Started
51.0	--EMPTY--	EGIS Disaster Recovery	Support VDI DR		RFB	03- IT Started
53.0	Procurement	105116 - Wifi Upgrade	Network Hardware for WiFi CIP (LA Basin, Riverside, ...		RFB	03- IT Started
54.0	Procurement	IT Infrastructure Upgrade for Security Ca...	IT Infrastructure for Security Cameras			03- IT Started
55.0	Procurement		Field Network Refresh		RFP	03- IT Started
56.0	--EMPTY--	105042-Desert Tower Microwave Project	Redundant Cisco Routers for Desert Sites		--EMPTY--	03- IT Started
57.0	--EMPTY--	105042 - Desert Tower Microwave Project	Western Region twelve sites microwave equipment r...		--EMPTY--	03- IT Started
58.0	--EMPTY--	Emergency Radio Communications Upgra...	Batteries and Newmar Battery Rectifier and Panel wit...		--EMPTY--	03- IT Started
59.0	--EMPTY--	105042 - Desert Tower Microwave Project	Fiber Optic cable installation at Eagle Mtn Head Gate		Direct Purchase	03- IT Started
60.0	--EMPTY--	105053 - AMR RF Upgrade Project Ph 2	Antenna cables and lightning arrestors		--EMPTY--	03- IT Started
62.0	--EMPTY--	105053 - AMR RF Pilot Project	Enhanced Upgraded Enterprise licenses for 900 MHz ...		Sole Source	03- IT Started
70.0	Prof Services	104851 - System wide Control System Up...	SCADA Prime Consultant RFP	David Hai	RFP	05- Delivery



Prioritization

August 2023

- Active PMO Projects
- By PM --> Projects
- No Priority Assigned
- All Capital, O&M, Status

PM / Responsible	Projects
A. Robertson	1
B. Brenhaug	6
C. Parada	2
D. Lee	3
D. Ross	1
D. Saunders	2
E. Siy	2
ESG	3
F. Soto	7
F. Wen	4
G. Kwong	1
J. Khalid	2
J. Margolis	2
J. Wingate	6
M. Arakji	1
M. Ti	1
R. Kolodji	7
Total	88

Prio	H-M-L	Project	PM / Responsible
1	H	Windows Applications and Servers Upgrade (2003/2007/2008)	Z. Kasilag
2	H	Microsoft Azure Commercial move from San Jose to Phoenix	Z. Kasilag
3	H	JAVA upgrade for EBS	S. Natarajan
4	H	METCON/SCADA Control System Upgrade (Phases 1/2/3)	B. Brenhaug
5	H	METCON/SCADA Control System Upgrade (Phases 4/5) Mills	B. Brenhaug
6	H	WINS Water Billing System Upgrade (Water Information System)	D. Lee
7	H	Wifi Upgrade - HQ, P1, P2 and Courtyard	Z. Kasilag
8	H	Asset Monitoring and Management System	B. Brenhaug
9	H	Desert Microwave Tower Site Upgrades (Phase 1 of 2), East side	R. Kolodji
10	H	Gene Communication System Upgrade (Poles/Fiber installation, Desi...	ESG
11	H	Roth 401K and Roth 457	S. Natarajan
12	H	Secure 2.0	S. Natarajan
13	H	Real Property Group Business System Replacement	J. Wingate
14	H	MWDH2O.com Redesign (+Micro Sites)	F. Soto
15	H	MWD Intranet Upgrade	A. Robertson
16	H	Emergency Radio Communications System Upgrade (Two-Way Radio...	R. Kolodji
17	H	Pasadena Microwave Tower	F. Soto
18	H	Data Center Backup Infrastructure Upgrade	J. Khalid
19	H	SOC - IBM Manage Services Contract	J. Margolis
20	H	Oracle Services Procurement	V. Konanur
21	H	Maximo 7.6.1.3 upgrade & web services enabling	G. Kwong
22	H	Enterprise GIS Disaster Recovery	J. Wingate
23	H	IBM QRadar - QNI (QRadar Network Insights)	D. Saunders
24	H	SOC - Yubikey / MFA	Z. Kasilag
25	H	ServiceNow - Offboarding and Onboarding Process Requirements	S. Hernandez
26	H	Oracle DB Upgrade	F. Wen
27	H	C&D SCADA Network Switches & Router Replacements	F. Soto
28	H	Oracle EBusiness Suite EBS Upgrade [adding Apex, couple others]	S. Huang
29	M	WIN 11 Upgrade	R. Murdock
30	M	Replacement of Network Switches at MWD HQ	F. Wen
31	M	Fuel Management System Upgrade	R. Murdock
33	M	AMR System Radio Modem Upgrade (Phase 2 of 2)	R. Kolodji



IT Customers

August 2023

Projects Tracked
2019 - Today

176

Project Status

All

Funding Source

All

Customer Group

All

Projects by Group



Project Name	PM / Responsible	% Completed	Project Status	Est End Date
SCADA Control System Upgrade Phase 8 and beyond (Water System Control Master Plan)	B. Brenhaug	0.00%	Queue	12/31/2029
Gene Communication System Upgrade (Poles/Fiber installation, Design)	ESG	1.00%	Active	05/01/2028
Wifi Upgrade - Riverside (Lake Matthews, Skinner, Mills, DVL)	F. Soto	1.00%	Active	05/31/2026
SCADA Control System Upgrade (Phases 4/5) Mills	B. Brenhaug	1.00%	Active	01/31/2026
Migrate OCI Apps (beyond EBS, data marts)	S. Huang	39.00%	Hold	08/14/2025
Wifi Upgrade - San Bernardino (Eagle Mountain , Hinds, Iron, Gene)	F. Soto	0.00%	Active	03/31/2025
Dam Monitoring System - starting with the Diamond Valley Lake (DVL)	J. Wingate	1.00%	Active	12/31/2024
Enterprise Data Analytics (Part 3 - Implementation 1 RFP (Top 25 cases))	S. Vannadil	0.00%	Active	12/31/2024
IT Infrastructure Upgrade (Physical Security Camera Program) - East	Z. Kasilag	1.00%	Active	12/31/2024
IT Infrastructure Upgrade (Physical Security Camera Program) - West	Z. Kasilag	1.00%	Active	12/31/2024
Windows Applications and Servers Upgrade (2003/2007/2008)	Z. Kasilag	10.00%	Active	12/31/2024
Pasadena Microwave Tower	F. Soto	10.00%	Active	12/15/2024
Payroll and Timekeeping Improvements	V. Konanur	40.00%	Active	10/30/2024
WINS Water Billing System Upgrade (Water Information System)	D. Lee	53.00%	Active	10/08/2024
Oracle EBusiness Suite EBS Upgrade [adding Apex, couple others]	S. Huang	0.00%	Hold	10/01/2024
Oracle Services Procurement	V. Konanur	10.00%	Active	09/30/2024
AMR System Radio Modem Upgrade (Phase 2 of 2)	R. Kolodji	32.00%	Active	06/30/2024

