

5-YEAR CAPITAL IMPROVEMENT PLAN

Expenditure and Funding Sources

FY 2021-22 to FY 2025-26

(\$ Thousands)

5-YEAR EXPENDITURE BY DIVISION

Divisions	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total Estimated Expenditure
Aviation	72,072	71,790	69,275	75,530	68,710	357,377
Maritime	26,515	35,983	44,808	36,080	32,335	175,721
CRE	3,553	2,655	620	555	679	8,062
Support	755	925	300	300	300	2,580
Total	102,895	111,353	115,003	112,465	102,024	543,740

5-YEAR FUNDING SOURCES

Funding Source	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Estimated Funding
Aviation Grants ¹	26,372	22,260	20,288	18,664	19,608	107,192
PFC Pay-Go ²	9,532	17,685	17,519	14,200	13,150	72,086
LCFS Funds	2,380	3,450	2,770	520	4,000	13,120
Cash	64,611	67,958	74,427	79,081	65,266	351,342
Total	102,895	111,353	115,003	112,465	102,024	543,740

¹ The Port has not yet obtained grant funding for all capital projects.

² Assumes \$1 million of PFCs available at beginning of FY 2022.

5-YEAR CAPITAL IMPROVEMENT PLAN

Annual Expenditure by Project

FY 2021-22 to FY 2025-26

(\$ Thousands)

Project No.	Project Description	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total Expenditure
AVIATION DIVISION							
PERIMETER DIKE IMPROVEMENTS							
A20039201	Airfield Perimeter Dike Improvements	8,500	0	0	0	0	8,500
New Project	Airfield Perimeter Dike Improvements - Seismic	0	0	440	17,200	17,100	34,740
AIRFIELD							
A20032310	Twy Bravo + Victor Rehab	8,300	0	0	0	0	8,300
A22021001	Taxiway Bravo Rehabilitation Ph 2 & 3	12,700	0	0	0	0	12,700
New Project	Twy Whiskey (bet. Bravo and W5)	0	0	7,200	0	0	7,200
New Project	Twy Delta	0	0	0	2,000	7,500	9,500
New Project	Runway 10R/28L Rehab	0	2,400	2,160	19,440	0	24,000
New Project	Runway 10L/28R Rehab	0	2,100	0	1,890	17,010	21,000
AA0032001	Replace Airfield Signs	100	0	0	0	0	100
New Project	Taxiway Tango Rehab (includes valve)	800	7,000	0	0	0	7,800
New Project	Airport Noise & Operation Monitoring System (ANOMS) Equipment Replacement	360	0	0	0	0	360
New Project	Aircraft Rescue and Fire Fighting (ARFF) Truck 2022	140	1,070	0	0	0	1,210
	Subtotal Airfield	22,400	12,570	9,360	23,330	24,510	92,170
TERMINAL							
New Project	M130 T2 Planning/Window Wall, Interior Improvements, Lighting	0	2,700	8,600	4,100	0	15,400
New Project	Air Operations Center (AOC) Modernization	200	800	0	0	0	1,000
New Project	Window Treatment/Glazing	600	0	0	0	0	600
A20183001	Moving Walkway Removal and Restoration	120	0	0	0	0	120
A20192002	T2R Flooring Replacement	1,000	0	0	0	0	1,000
New Project	T1 & T2 Shark Washout Containment	200	0	0	0	0	200
New Project	HVAC Automation Upgrade to N4	350	600	0	0	0	950
New Project	M103 Roof and Air Handler Replacement	500	8,000	2,500	0	0	11,000
New Project	M363-1 Air Handler Unit	0	0	500	0	0	500
New Project	M130-4 Air Handler Unit	0	0	525	0	0	525
A22021002	M130 Gutter Replacement	1,000	0	0	0	0	1,000
New Project	M367 Roof/Cover	200	0	0	0	0	200
A20099001	M371 Piping	400	0	0	0	0	400
New Project	South Field Terminal Switches	0	0	1,500	0	0	1,500
New Project	Electrical Upgrades to 480v System	100	100	100	100	100	500
New Project	Jet Bridge System	550	0	0	0	0	550
New Project	Passenger Boarding Bridge Replacement	0	200	3,000	2,000	0	5,200
New Project	New Concession Infrastructure Support	500	400	0	0	0	900
A20183002	Restroom Upgrades (M101, Gate 3&4, T2 Bag Claim) Advance Gate 3&4	915	5,250	4,000	0	0	10,165
New Project	Restroom Upgrades (T2, T2X, M103)	0	0	3,000	5,000	8,000	16,000
New Project	Self Service Kiosk PC Replacement and Software Upgrade	160	0	0	0	500	660
AA0030321	Airport Mapping & Interactive Wayfinding (MAP)	150	0	0	0	0	150
AA0030310	Content Management System	80	0	0	0	0	80
New Project	Main Distribution Frame (MDF) to Minimum Point of Entry Fiber (MPOE) Fiber	0	50	0	0	0	50
New Project	Enterprise Backup Solution	0	100	0	0	0	100
New Project	Terminal Signage Replacement	150	0	0	0	0	150
	Subtotal Terminal	7,175	18,200	23,725	11,200	8,600	68,900

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Annual Expenditure by Project

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Project No.	Project Description	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total Expenditure
GROUND ACCESS AND PARKING							
New Project	PARCS Maintenance Trailer Replacement	0	150	0	0	0	150
New Project	Inbound Airport Drive Transportation Network Company (TNC) Signage	50	0	0	0	0	50
A10085101	Airport Drive Overlay	5,020	1,950	0	0	0	6,970
A20202004	Oakland Maintenance Center (OMC) Parking Lot Pavement Rehab	300	0	0	0	0	300
New Project	Infrastructure for Electric Charging (Parking and Shuttle)	200	800	1,000	0	0	2,000
New Project	Shuttle Bus Procurement/Replacement	0	500	2,000	2,000	3,000	7,500
New Project	OMC & Neil Armstrong Parking Lot Access Control	600	400	0	0	0	1,000
	Subtotal Ground Access and Parking	6,170	3,800	3,000	2,000	3,000	17,970
SECURITY							
A20032002	Security Enhancements T2 Baggage Claim Exit, So Field	200	6,350	2,000	0	0	8,550
AA0030204	CCTV Program Expansion (RAC, Parking, Curbside Design; Parking CON)	7,000	3,000	0	0	0	10,000
New Project	CCTV Program Expansion (Curbside, Terminal, RAC CON)	0	2,000	14,000	10,000	0	26,000
New Project	Terminal Modifications and Related Technology to Support Employee Screening	0	0	0	1,500	5,000	6,500
New Project	CCTV Installation and Upgrade, T1 & T2; M103 Cameras	0	850	1,700	0	0	2,550
New Project	Security Controller Swap	1,750	0	0	0	0	1,750
New Project	North Field Fiber Upgrades and Radios	350	350	0	0	0	700
New Project	Exit Biometric Technology	100	0	0	0	0	100
New Project	Identification Management System (IDMS)	700	700	0	0	0	1,400
A20202006	Security Gate Hardening	250	0	0	0	0	250
	Subtotal Security	10,350	13,250	17,700	11,500	5,000	57,800
UTILITIES							
A200520010	Rehab/Replace Earhart Road Sewer Main and Laterals	7,255	0	0	0	0	7,255
A20052009	Airport Drive Sewer Line Improvements/Upgrades	0	4,180	0	0	0	4,180
New Project	Southfield Airside Sewer Improvements	300	2,680	0	0	0	2,980
New Project	Southfield Landside Sewer Improvements	650	7,645	0	0	0	8,295
New Project	Northfield Sewer Improvements	0	750	8,800	8,800	0	18,350
New Project	Hangar 3 - Electrical Distribution	0	1,700	0	0	0	1,700
A12020754	Substation 1 and 2 Upgrades	870	1,000	1,000	1,000	10,000	13,870
AA00520013	Lift Station 1	0	2,215	0	0	0	2,215
A200520005	Lift Station 2	650	0	0	0	0	650
AA00520015	Pipe 505 (Construction), Pipe 38 (Design & Construction)	950	0	0	0	0	950
A20052007	AP12E and AP15E Ejector Station	945	0	0	0	0	945
AA00520012	ARFF Wash Rack Drain Replacement	500	0	0	0	0	500
A20052008	AP06P -08P Lift Station	0	1,500	0	0	0	1,500
New Project	AP155P Southwest Provisioning Bldg Lift Station	0	400	950	0	0	1,350
New Project	AP137P Tank Farm/Swissport Lift Station	0	400	900	0	0	1,300
New Project	AP911P ARFF Lift Station	0	400	900	0	0	1,300
New Project	AP912P Ground Run-up Equipment (GRE) Lift Station	0	400	1,000	0	0	1,400
New Project	Trash Capture (Storm Drains)	300	0	0	0	0	300
New Project	South Field Rwy Generator Replacement	0	200	1,000	0	0	1,200
	Subtotal Utilities	12,420	23,470	14,550	9,800	10,000	70,240

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Project No.	Project Description	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total Expenditure
FACILITIES MAINTENANCE							
New Project	LED Street Lighting - Airport Drive, parking lots	1,100	0	0	0	0	1,100
New Project	Remodel Alameda County Sheriff Restroom	250	0	0	0	0	250
	Subtotal Facilities Maintenance	1,350	0	0	0	0	1,350
AVIATION ADMIN							
N/A	Capital Equipment - Aviation	3,207	0	0	0	0	3,207
N/A	Miscellaneous	500	500	500	500	500	2,500
	Subtotal Aviation Admin	3,707	500	500	500	500	5,707
TOTAL AVIATION DIVISION		72,072	71,790	69,275	75,530	68,710	357,377
MARITIME DIVISION							
MARINE TERMINALS							
M20001	Wharf Upgrades for Ultra-Large Container Vessels	1,025	4,000	4,000	150	1,000	10,175
New Project	Pile Stabilization Program	0	150	650	0	0	800
New Project	Berth 9/10 Rehabilitation	0	0	0	1,000	7,500	8,500
M21001	Additional Shore Power Outlets at B55 and B59	775	3,113	1,212	0	0	5,100
New Project	OICT Reefer Plugs	75	0	0	0	0	75
New Project	Maritime/17th Street Landscaping	300	0	0	0	0	300
New Project	B21-22 Shore Power	0	0	250	0	0	250
	Subtotal Marine Terminals	2,175	7,263	6,112	1,150	8,500	25,200
CRANES							
M20005	B55-B59 OICT Crane Drive Upgrade (4 cranes)	0	150	1,800	0	0	1,950
	Subtotal Cranes	0	150	1,800	0	0	1,950
SEAPORT LOGISTICS COMPLEX							
M7RS06A01	OHIT Railyard Phase 2 (Intermodal) - Interim Use	50	0	0	0	0	50
M21011	OHIT Railyard Phase 2 (Intermodal) – Ancillary Yard Improvements	1,750	0	0	0	0	1,750
M20006	OAB Edge Conditions (Final)	45	0	0	0	0	45
M20014	800 Building Series Pavement Construction, Phase 2	0	300	1,000	0	0	1,300
New Project	Outer Claw Driveway	0	0	250	2,250	0	2,500
M20011	Rail Tracks (WGL1 and L2)	0	0	0	500	5,000	5,500
	Subtotal Seaport Logistics Complex	1,845	300	1,250	2,750	5,000	11,145
DREDGING							
MA0287102	-50 Ft Cost Share to US Army Corps of Engineers	0	0	0	10,000	0	10,000
MA0287117	-50 FT Cost Share to US Army Corps of Engineers (MHEA)	0	0	0	3,000	0	3,000
	Subtotal Dredging	0	0	0	13,000	0	13,000

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UTILITIES							
M19005	Sanitary Sewer Compliance: B20-24 Sanitary Sewer Lines Rehabilitation	1,570	0	0	0	0	1,570
M19004	Sanitary Sewer Compliance: OICT Oil/Water Separator @ East Power Shop & East Reefer Cleaning	285	0	0	0	0	285
M19019	Sewer Lift Stations (B55/56)	1,710	0	0	0	0	1,710
M20007	Sanitary Sewer Compliance: Pipeline Rehab @ Ben E. Nutter	550	2,000	0	0	0	2,550
M20008	Sewer Lift Stations @ OICT (B57/58/59)	1,670	0	0	0	0	1,670
M21010-01	Sanitary Sewer Compliance: Maritime Street Trunk Sewer Rehabilitation	1,260	1,865	3,533	0	0	6,658
M21010-02	Sanitary Sewer Compliance: Berth 55-58 Sewer Pipeline Rehabilitation	610	2,000	400	0	0	3,010
M21010-03	Sanitary Sewer Compliance: Former Oakland Army Base Sewer Pipeline & Lift Stations (R80, R804, R834) Rehabilitation	650	1,870	1,000	130	0	3,650
M21010-04	Sanitary Sewer Compliance: Middle Harbor Lift Stations (DP06, D10) Rehabilitation; Sewer Compliance: 7th Street Lift Stations (C07, C08) Rehabilitation	1,248	2,000	3,400	0	0	6,648
M21010-05	Sanitary Sewer Compliance: United States Customs and Border Protection, Berth 24-32, 7th Street Extension, and Middle Harbor Shoreline Park Sewer Pipeline Rehabilitation	806	2,000	4,200	700	0	7,706
M21010-06	Sanitary Sewer Compliance: Joint Intermodal Terminal Area, Berth 60-63 and Berth 59, Roundhouse, Schnitzer Steel, and Middle Harbor Road Area Sewer Pipeline Rehabilitation	1,330	2,000	4,200	800	0	8,330
M20009	115kV Main Substation Replacement (Davis)	840	580	6,400	6,400	1,335	15,555
M21009	115kV Main Substation Replacement (Cuthbertson)	840	580	4,438	6,400	1,200	13,458
New Project	SS-R-14 Substation Replacement (14th/Maritime)	350	6,000	0	0	0	6,350
New Project	Circuit 2 Powerline Capacity Upgrade	300	2,500	0	0	0	2,800
New Project	480V Power for Ship to Shore	0	300	0	0	0	300
New Project	Fire Sprinkler System Reconstruction @B20-21	0	250	750	2,000	0	3,000
M21004	Fire Water Loop Connection at OHIT (North)	480	850	1,775	0	0	3,105
New Project	Fire Water Loop Reconstruction at Roundhouse	0	500	2,000	0	0	2,500
New Project	General Upgrade of Vault Lids	300	1,200	1,200	0	0	2,700
New Project	Trash Capture Program	0	200	200	700	2,400	3,500
M21002	Shore Power System Computer Replacement	1,030	0	0	0	0	1,030
New Project	LED Lighting Upgrades	100	100	0	0	0	200
New Project	Utility Billing Software Optimization / Transition to Cloud Based / Smart Metering	500	0	0	0	0	500
New Project	JIT Oil/Water Separator	300	250	0	0	0	550
	Subtotal Utilities	16,729	27,045	33,496	17,130	4,935	99,335
ROADWAY							
New Project	14th Street Expansion/Reconstruction	0	0	300	500	8,500	9,300
M19007	RFID Readers (PSGP17 & Go Port)	54	0	0	0	0	54
M19010	Changable Messages Signs	15	0	0	0	0	15
M19011	Communications - Fiber (Go Port)	42	0	0	0	0	42
M19012	Camera Upgrade to HD (Go Port)	30	0	0	0	0	30
M19013	Queue Detection (Go Port)	12	0	0	0	0	12

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Annual Expenditure by Project

FY 2021-22 to FY 2025-26

(\$ Thousands)

Project No.	Project Description	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Total Expenditure
M19014	Initial Advanced Traffic Mgmt System (ATMS) - signal upgrades (Go Port)	33	0	0	0	0	33
M19015	Basic Go Port Application (Go Port)	15	0	0	0	0	15
M19016	Adaptive Signal System	36	0	0	0	0	36
M19020	Advanced Rail Crossing	13	0	0	0	0	13
M19021	Smart Parking	14	0	0	0	0	14
M19022	Center to Center	25	0	0	0	0	25
M19023	Wifi (Go Port)	14	0	0	0	0	14
M19024	Weigh in Motion	11	0	0	0	0	11
M19025	Vehicle Detection	12	0	0	0	0	12
	Subtotal Roadway	326	0	300	500	8,500	9,626
OTHER							
New Project	Middle Harbor Shoreline Park (MHSP) Elevator Replacement w/Lift	150	750	0	0	0	900
New Project	New Landscaping at MHSP	0	75	350	0	0	425
New Project	New Catwalk at Harbor Facilities Building	0	0	0	400	400	800
New Project	Electric Vehicle (EV) Charging Stations	2,000	400	1,000	650	5,000	9,050
N/A	Air Quality (various)	0	0	500	500	0	1,000
N/A	Capital Equipment - Maritime	3,290	0	0	0	0	3,290
	Subtotal Other	5,440	1,225	1,850	1,550	5,400	15,465
TOTAL MARITIME DIVISION		26,515	35,983	44,808	36,080	32,335	175,721
COMMERCIAL REAL ESTATE DIVISION							
JACK LONDON SQUARE (JLS)							
P10000001	Tenant Improvements in JLS	0	1,336	0	55	504	1,895
C19002	HVAC Equipment Upgrades/Replacement at 530 Water Str	175	175	175	175	175	875
New Project	Gutter Replacement at 530 Water Street	0	0	0	0	0	0
New Project	530 Water Street Restack Planning	250	0	0	0	0	250
New Project	530 Water St Building Access Control System Upgrade	195	0	0	0	0	195
New Project	Boardwalk Replacement by Scott's Restaurant	800	0	0	0	0	800
C19001	JLS Improvements - Parking Revenue Control System	545	0	0	0	0	545
	Subtotal Jack London Square	1,965	1,511	175	230	679	4,560
EMBARCADERO COVE							
P20066302	Environmental Remediation / Permits Union Pt Basin Park	308	0	0	0	0	308
New Project	Tenant Improvements	105	51	0	0	0	156
	Subtotal Embarcadero Cove	413	51	0	0	0	464
BUSINESS PARK							
New Project	Tenant Improvements	0	543	120	0	0	663
New Project	Building Improvements	850	225	0	0	0	1,075
	Subtotal Business Park	850	768	120	0	0	1,738

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<u>Project No.</u>	<u>Project Description</u>	<u>FY 21-22</u>	<u>FY 22-23</u>	<u>FY 23-24</u>	<u>FY 24-25</u>	<u>FY 25-26</u>	<u>Total Expenditure</u>
OTHER							
N/A	Misc. Facility Replacement Projects	325	325	325	325	0	1,300
	Subtotal Other	325	325	325	325	0	1,300
TOTAL COMMERCIAL REAL ESTATE DIVISION		3,553	2,655	620	555	679	8,062
<u>SUPPORT DIVISIONS</u>							
EQUIPMENT AND SYSTEMS							
New Project	Website Redesign	125	125	0	0	0	250
New Project	Cyber Artificial Intelligence (AI) Monitoring and Detection	100	100	0	0	0	200
New Project	Enterprise Backup Solution	0	100	0	0	0	100
N/A	Capital Equipment	230	300	0	0	0	530
N/A	Misc. Facility Replacement Projects	300	300	300	300	300	1,500
	Subtotal Equipment and Systems	755	925	300	300	300	2,580
TOTAL SUPPORT DIVISIONS		755	925	300	300	300	2,580
TOTAL EXPENDITURE		102,895	111,353	115,003	112,465	102,024	543,740