

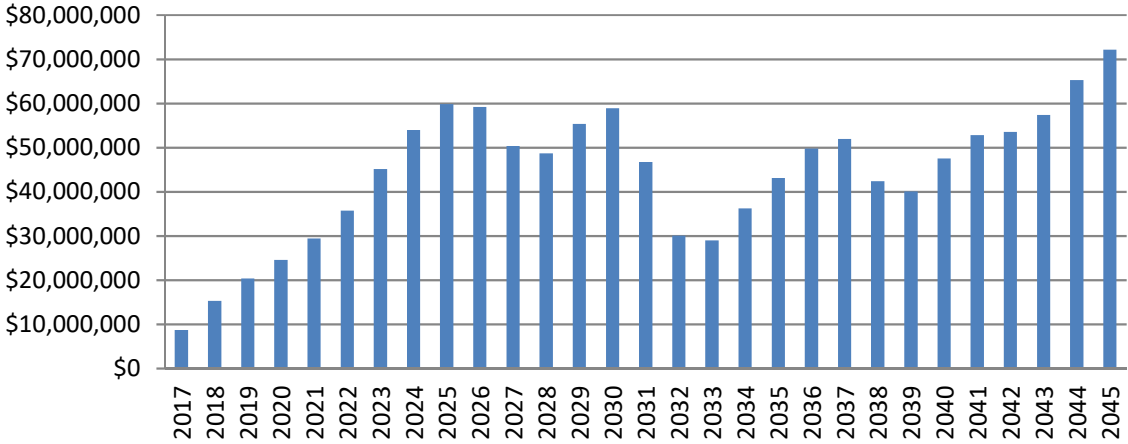
HARBOR & BEACHES MASTER PLAN DASHBOARD

☒ With external contributions (grants) as indicated on project list

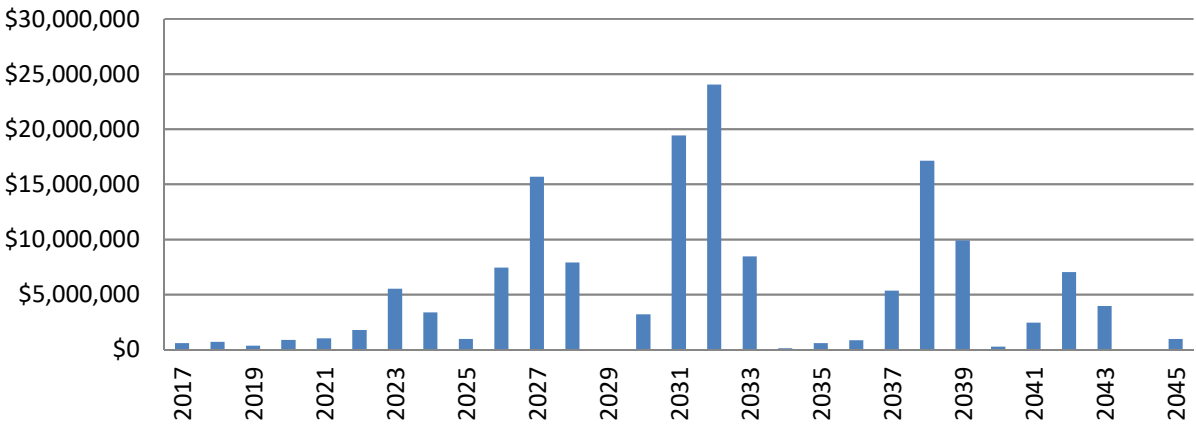
TRUE

Updated: 1/3/2019

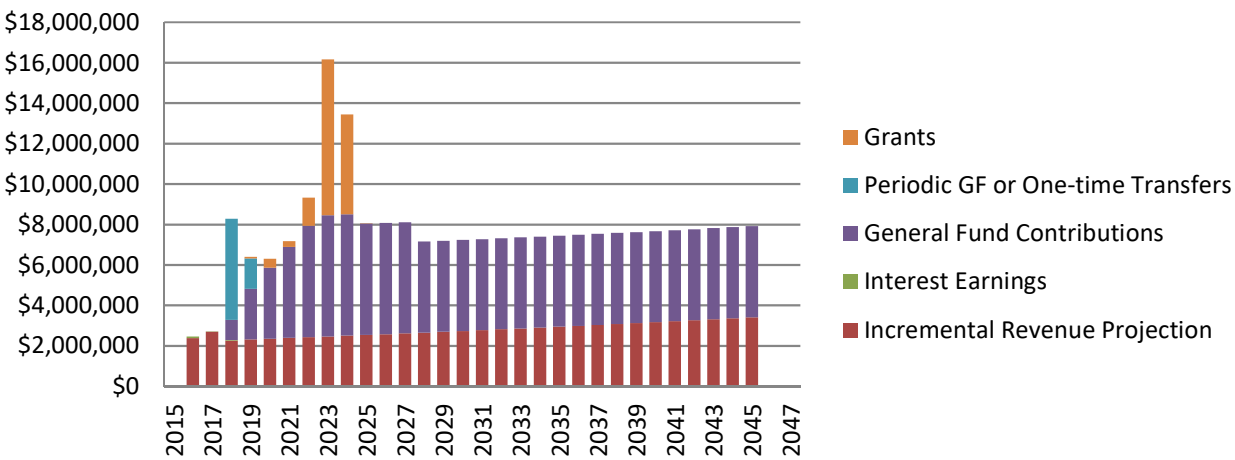
Harbor and Beaches Master Plan Funding Balance



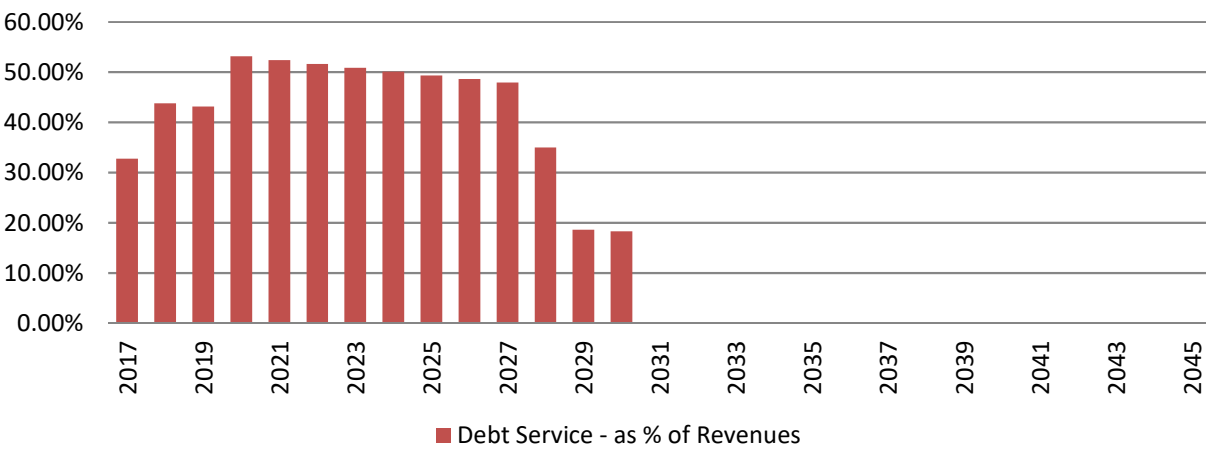
Project Expenditures



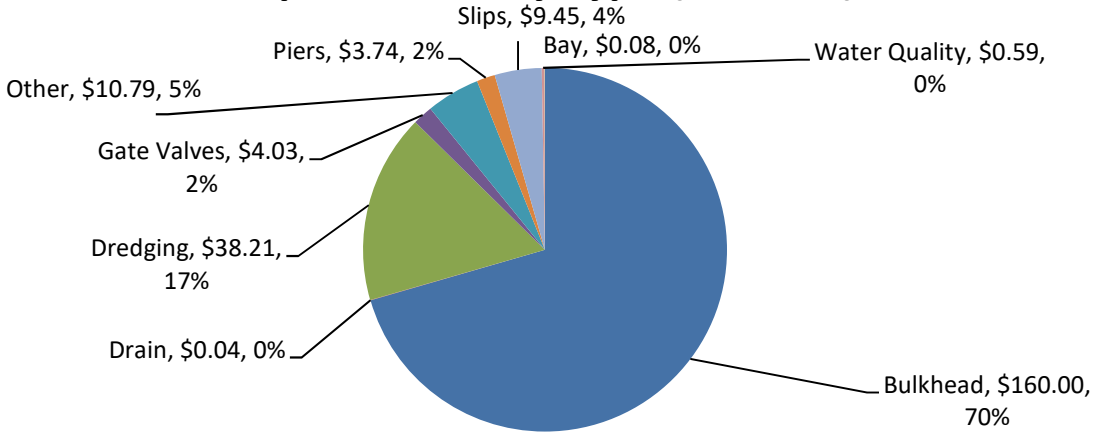
All Estimated Revenue Sources



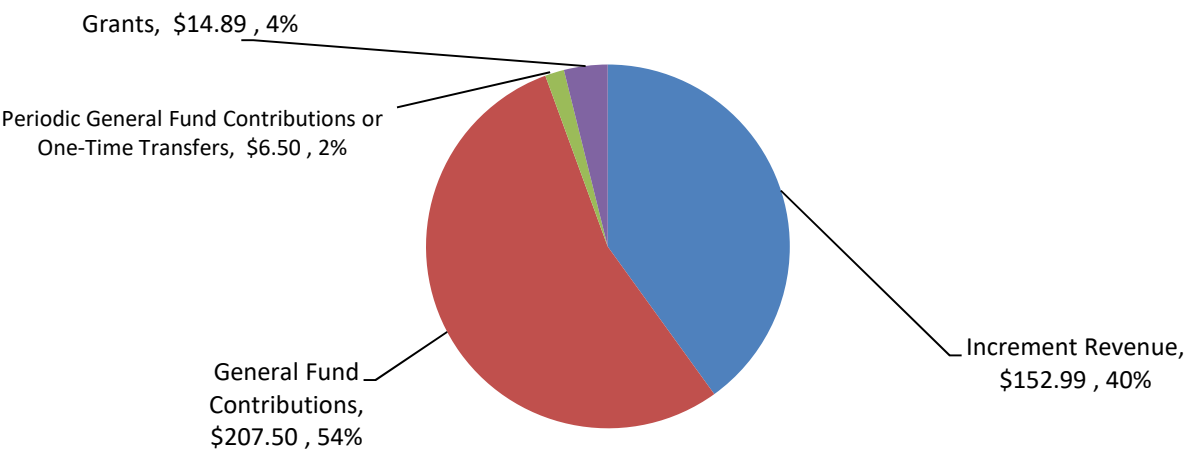
Debt Service as % of Dedicated Revenues



Expenditures by Type (millions)



Revenues by Type (millions)



HARBOR & BEACHES MASTER PLAN PROJECTS

Last Updated: 1/3/2019

2019

Ref #	ProjGL	Project	Category	YR Built	Last Refurb.	Units Measurement	Total Units	Today's Total Cost	Current Age:	Useful Life	Years to Start	Project Estimate	FY Design Start Year	FY Const Start Year	FV Cost Est @2.5% Growth	External Contributions	Net Proposed Cost
1		Tide Gate Valves (Balboa Island): Replace	Gate Valves	0	0	EA	34	\$50,000	**	25	3	\$1,700,000	2019	2022	\$1,830,714		\$1,830,714
2		Tide Gate Valves (Peninsula): Replace	Gate Valves	0	0	EA	39	\$50,000	**	25	3	\$1,950,000	2019	2022	\$2,099,937		\$2,099,937
5		Arches Drain: Dry Weather Diversion	Drain	2017	0	LS	1	\$860,000	2	80	0	\$860,000	2017	2019	\$860,000	820,000	\$40,000
6		Bulkhead (Edge Water Ln) Extend Cap	Bulkhead	2017		LF	145	\$303	2	20		\$43,935	2017	2017	\$0		\$0
7	16H12	Dredging (Grand Canal): North of Center	Dredging	0	0	CY	5,000	\$175	**	5		\$361,000	2017	2018	\$0		\$361,000
8		Navigation Markers: Convert Federal Stationary Markers to Floats	Other	0	0	LS	1	\$60,000	**	0		\$60,000	2017	2018	\$0		\$60,000
9		Balboa Island/Ruby Beach Swim Platform	Other	0		EA	1	\$735,000	**	20		\$735,000	2018	2019	\$0		\$735,000
10		Bildge Pumpout Dock	Water Quality	0	0	LS	1	\$200,000	**	15	1	\$200,000	2018	2020	\$205,000		\$205,000
11		Bulkhead (American Legion): Repair	Bulkhead	1957	0	LF	328	\$900	62	40		\$295,200	2018	2019	\$0		\$295,200
12		Harbor Local Coastal Plan	Other	0	0	LS	1	\$500,000	**	50	2	\$500,000	2018	2021	\$525,313		\$525,313
13		Public Pier (M St): Gangway & Float	Piers	0	0	EA	1	\$100,000	**	20	1	\$100,000	2018	2020	\$102,500		\$102,500
14		Public Pier (15th St): Float only	Piers	0	0	EA	1	\$50,000	**	20	1	\$50,000	2018	2020	\$51,250		\$51,250
15		Public Pier (Opal Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	1	\$75,000	2018	2020	\$76,875		\$76,875
16		Public Pier (Fernando St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	1	\$75,000	2018	2020	\$76,875		\$76,875
17		Public Swim Float (10th St)	Other	0	0	EA	1	\$35,000	**	20		\$35,000	2018	2019	\$0		\$35,000
18		Water Quality: TMDL Compliance:	Water Quality	0	0	LS	1	\$300,000	**	Ongoing	1	\$300,000	2018	2020	\$307,500		\$307,500
19		Dredging Equipment (needs further review)	Dredging	0	0	EA	2	\$1,000,000	**	30	1	\$2,000,000	2019	2020	\$0		\$0
20		Dredging: Lower Bay (Channels - Ongoing Maintenance)	Dredging	0	0	CY	650,000	\$25	**	30	3	\$16,250,000	2019	2022	\$17,499,473	13,999,578	\$3,499,895
21		Dredging: Newport Island Area (Channels)	Dredging	0	0	CY	15,000	\$50	**	50	3	\$750,000	2019	2022	\$807,668		\$807,668
22		Public Beaches (Lido Isle Bridge): Install Walkway to Beach	Bay	0	0	EA	1	\$75,000	**	40	1	\$75,000	2019	2020	\$76,875		\$76,875
23		Public Pier (Washington St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	2	\$75,000	2019	2021	\$78,797		\$78,797
24		Public Pier (Park Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	2	\$75,000	2019	2021	\$78,797		\$78,797
25		Public Pier (19th St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	2	\$75,000	2019	2021	\$78,797		\$78,797
26		Public Pier (Coral Ave): Gangway & Float	Piers	1985	1985	EA	1	\$75,000	34	20	2	\$75,000	2019	2021	\$78,797		\$78,797
27		Public Pier (29th St): Gangway & Float	Piers	0	0	EA	1	\$100,000	**	20	1	\$100,000	2019	2020	\$102,500		\$102,500
28		Water Quality: Circulation (Newport Island Area):	Water Quality	0	0	EA	-		**	0	1	\$0	2019	2020	\$0		\$0
30		Lower Castaways: Bulkhead Only	Bulkhead	0	0	LF	265	\$3,800	**	80	3	\$1,007,000	2020	2022	\$1,084,429		\$1,084,429
31		Public Pier (Sapphire Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	3	\$75,000	2020	2022	\$80,767		\$80,767
32		Public Pier (Emerald Ave): Gangway & Float	Piers	1986	1986	EA	1	\$75,000	33	20	3	\$75,000	2020	2022	\$80,767		\$80,767
33		Vessel Sewage Pumpout Facilities: Replace	Water Quality	0	0	EA	5	\$25,000	**	10	4	\$125,000	2020	2023	\$137,977	75,000	\$62,977
34		Central Peninsula Sand Nourishment	Sand	2017		CY	1,000,000		2	20	6	\$0	2021	2025	\$0		\$0
35		Balboa Yacht Basin Marina (Slips): Replace	Slips	1985	0	Slips	172	\$35,000	34	40	6	\$6,020,000	2022	2025	\$6,981,354		\$6,981,354
36		Dredging (Balboa Yacht Basin):	Dredging	1985	0	CY	25,600	\$70	34	40	6	\$1,792,000	2022	2025	\$2,078,171		\$2,078,171
37		Balboa Island, N, S, E & GC: Boardwalk & Perimeter Drainage System only (Little Island not include ~42k SF)	Other	0	0	SF	92,000	\$25	**	80	7	\$2,300,000	2024	2026	\$2,733,977		\$2,733,977
38		Balboa Island, N, S, E & GC: Replace Seawall 1	Bulkhead	1930		LF	4,386	\$3,800	89	80	7	\$16,667,666	2024	2026	\$19,812,618		\$19,812,618
71		Balboa Island, N, S, E & GC: Replace Seawall 2	Bulkhead	1930		LF	4,386	\$3,800	89	81	12	\$16,667,666	2024	2031	\$22,416,158		\$22,416,158
72		Balboa Island, N, S, E & GC: Replace Seawall 3	Bulkhead	1930		LF	4,386	\$3,800	89	82	18	\$16,667,666	2024	2037	\$25,995,871		\$25,995,871
39		Surfside/Sunset Beach Sand Nourishment	Sand	2017		LS	1	\$300,000	2	7	6	\$300,000	2024	2025	\$347,908		\$347,908
40		Dredging: Upper Bay Catch Basins	Dredging	2009	0	CY	500,000	\$30	10	21	11	\$15,000,000	2027	2030	\$19,681,300		\$19,681,300
41		Dredging: Upper Bay Channels	Dredging	2009		CY	250,000	\$30	10	21	16	\$7,500,000	2027	2030	\$11,133,792		\$11,133,792
42		Rhine Wharf Boardwalk: Major Repair	Other	0	0	LF	1	\$150,000	**	20	10	\$150,000	2027	2029	\$192,013		\$192,013
43		Public Bay Beaches: Sand Nourishment (25k yards)	Other	2016	0	CY	25,000	\$50	3	25	12	\$1,250,000	2028	2031	\$1,681,111		\$1,681,111
44		Public Pier (15th St): Pier & Gangway	Piers	0	0	EA	1	\$115,000	**	20	15	\$115,000	2031	2034	\$166,554		\$166,554
45		Public Pier (Coral Ave): Pier only	Piers	1985	1985	EA	1	\$75,000	34	20	15	\$75,000	2031	2034	\$108,622		\$108,622
46		Public Pier (Emerald Ave): Pier only	Piers	1986	1986	EA	1	\$75,000	33	20	15	\$75,000	2031	2034	\$108,622		\$108,622
47		Public Pier (Fernando St): Pier only	Piers	0	0	EA	1	\$75,000	**	20	15	\$75,000	2031	2034	\$108,622		\$108,622
48		Public Pier (M St): Pier only	Piers	1985	1985	EA	1	\$100,000	34	20	15	\$100,000	2031	2034	\$144,830		\$144,830
49		Public Pier (Opal Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	15	\$75,000	2031	2034	\$108,622		\$108,622
50		Public Pier (Park Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	15	\$75,000	2031	2034	\$108,622		\$108,622
51		Public Pier (Sapphire Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	15	\$75,000	2031	2034	\$108,622		\$108,622
52		Public Pier (Washington St): Pier only	Piers	0	0	EA	1	\$75,000	**	20	15	\$75,000	2031	2034	\$108,622		\$108,622
53		Entrance Jetty: Maintenance	Other	1936	0	LF	3,000	\$1,000	83	50	17	\$3,000,000	2033	2036	\$4,564,855		\$4,564,855
54		Bulkhead (American Legion): Replace	Bulkhead	1957	0	LF	336	\$3,800	62	80	18	\$1,276,800	2034	2037	\$1,991,372		\$1,991,372
55		Public Pier (Rhine Channel): Float only	Piers	2007	2007	EA	1	\$175,000	12	30	18	\$175,000	2034	2037	\$272,940		\$272,940
56		Bulkhead (Rhine Channel): Replace	Bulkhead	1960	0	LF	375	\$3,800	59	80	21	\$1,425,000	2037	2040	\$2,393,404		\$2,393,404
57		Public Pier (Grand Canal, Balboa Ave): Pier Platform	Piers	2017	2012	EA	1	\$10,000	2	20	19	\$10,000	2037	2038	\$15,987		\$15,987
58		Bulkhead (West Newport): Replace	Bulkhead	0	0	LF	1,722	\$3,800	**	80	22	\$6,543,600	2038	2041	\$11,265,275		\$11,265,275
59		Bulkhead (Corona Del Mar): Replace	Bulkhead	0	0	LF	175	\$3,800	**	80	26	\$665,000	2042	2045	\$1,263,695		\$1,263,695
60		Bulkhead (Promontory Bay): Replace	Bulkhead	1965	0	LF	1,158	\$3,800	54	80	26	\$4,400,400	2042	2045	\$8,362,048		\$8,362,048
61		Public Pier (Rhine Channel): Gangway only	Piers	0	0	EA	1	\$60,000	**	40	28	\$60,000	2044	2047	\$119,790		\$119,790
62		Bulkhead (Rhine Wharf): Replace	Bulkhead	0	0	LF	343	\$3,800	**	80	30	\$1,303,400	2046	2049	\$2,733,970		\$2,733,970

Ref #	ProjGL	Project	Category	YR Built	Last Refurb.	Units Measurement	Total Units	Today's Total Cost	Current Age:	Useful Life	Years to Start	Project Estimate	FY Design Start Year	FY Const Start Year	FV Cost Est @2.5% Growth	External Contributions	Net Proposed Cost
63		Marina Park Slips: Replace	Slips	2015	0	EA	23	\$40,000	4	40	36	\$920,000	2052	2055	\$2,237,932		\$2,237,932
64		Bulkhead (Street Ends - Peninsula): Replace	Bulkhead	0	0	LF	2,217	\$3,800	**	80	37	\$8,424,600	2053	2056	\$21,005,465		\$21,005,465
65		Public Pier (Balboa Marina West): Float only	Piers	2017	0	EA	1	\$200,000	2	40	38	\$200,000	2054	2057	\$511,136		\$511,136
66		Public Pier (Balboa Marina West): Gangway	Piers	2017	0	EA	1	\$50,000	2	41	39	\$50,000	2055	2058	\$130,979		\$130,979
67		Public Pier (Central Ave): Gangway and Float	Piers	2017	0	EA	1	\$250,000	2	40	38	\$250,000	2055	2057	\$638,921		\$638,921
68		Bulkhead (Balboa Yacht Basin): Replace	Bulkhead	1985	0	LF	1,370	\$3,800	34	80	46	\$5,206,000	2063	2065	\$16,210,708		\$16,210,708
69		Bulkhead (Marina Park): Replace	Bulkhead	2015	0	LF	857	\$3,800	4	80	76	\$3,256,600	2093	2095	\$21,270,524		\$21,270,524
70		Land Acquisition for Potential Launch Ramp	Other	0		EA	1	\$0	**	80	4	\$0	2020	2023	\$0		\$0
TOTAL												\$150,318,534		\$235,436,619		\$14,894,578	\$222,028,241
COMPLETED																	
3	15H11	Seawall (Balboa Island N & S): Extend Cap	Bulkhead	1930	0	LF	7,000	\$100	89	20		\$700,000	2014	2017	\$0		\$0
4		Seawall (Balboa Island, West End): Extend Cap	Bulkhead	1930	0	LF	1,300	\$100	89	20		\$130,000	2014	2017	\$0		\$0
6		Bulkhead (Edge Water Ln) Extend Cap	Bulkhead	2017		LF	145	\$303	2	20		\$43,935	2017	2017	\$0		\$0
29		Ferry Landings (Agate Ave & Palm St): Replace?	Other	1930	0	EA	1	\$0	89	75	3	\$0	2020	2022	\$0		\$0