

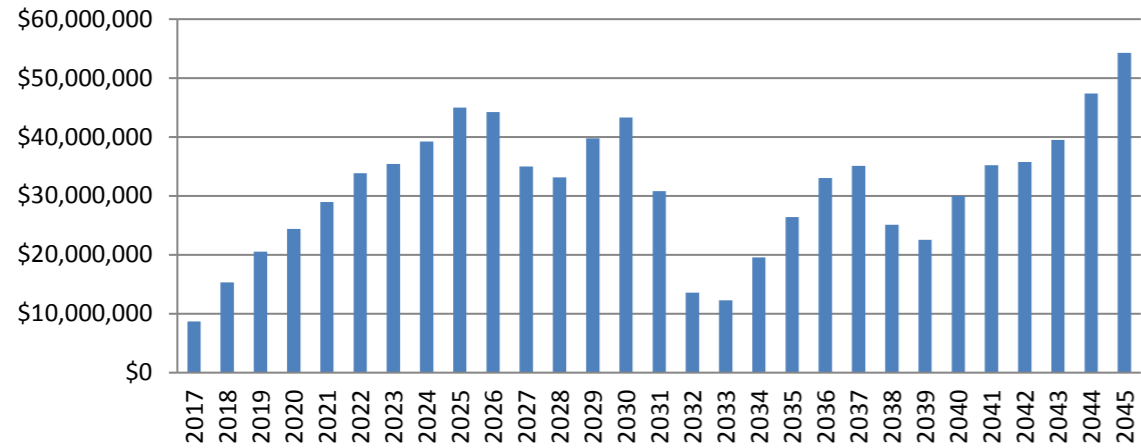
HARBOR & BEACHES MASTER PLAN DASHBOARD

With external contributions (grants) as indicated on project list

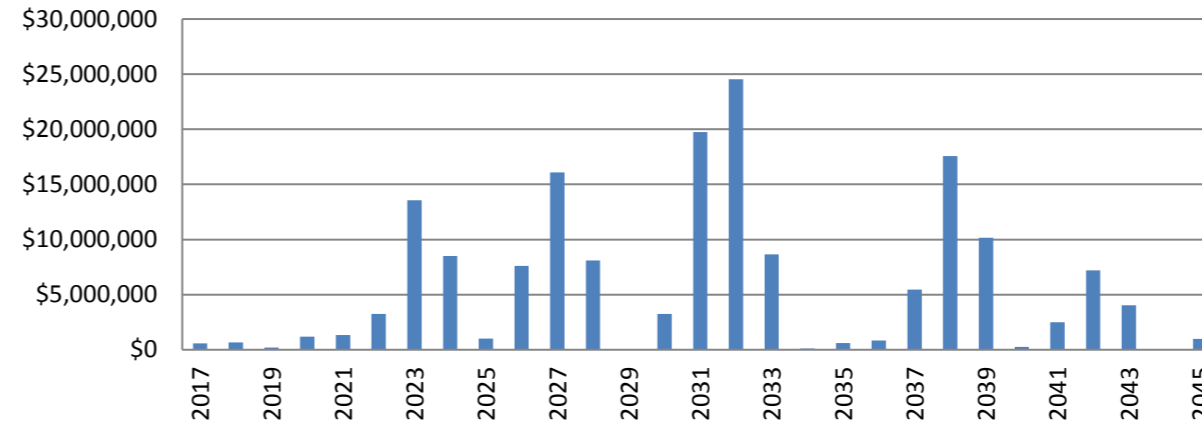
TRUE

Updated: 8/27/2018

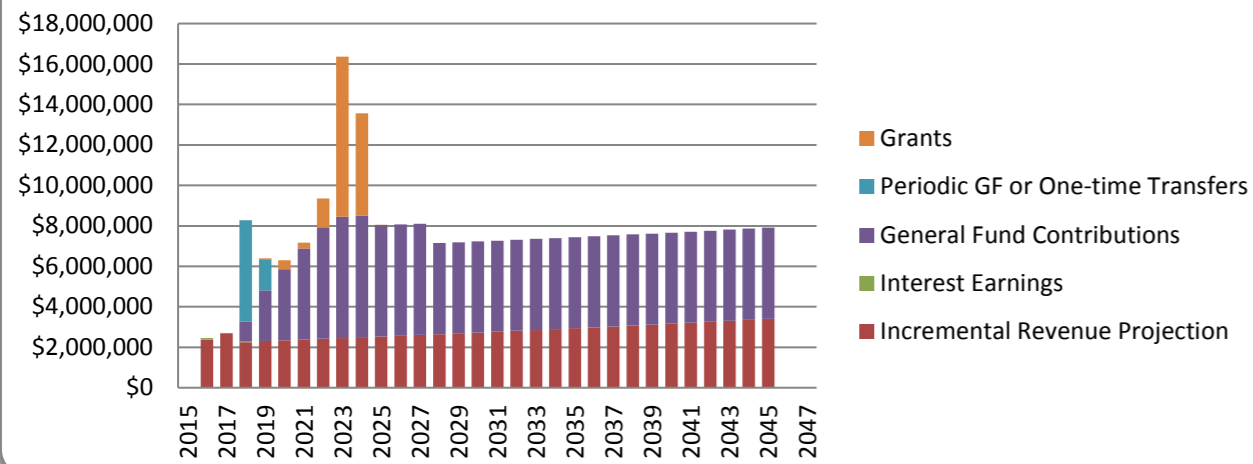
Harbor and Beaches Master Plan Funding Balance



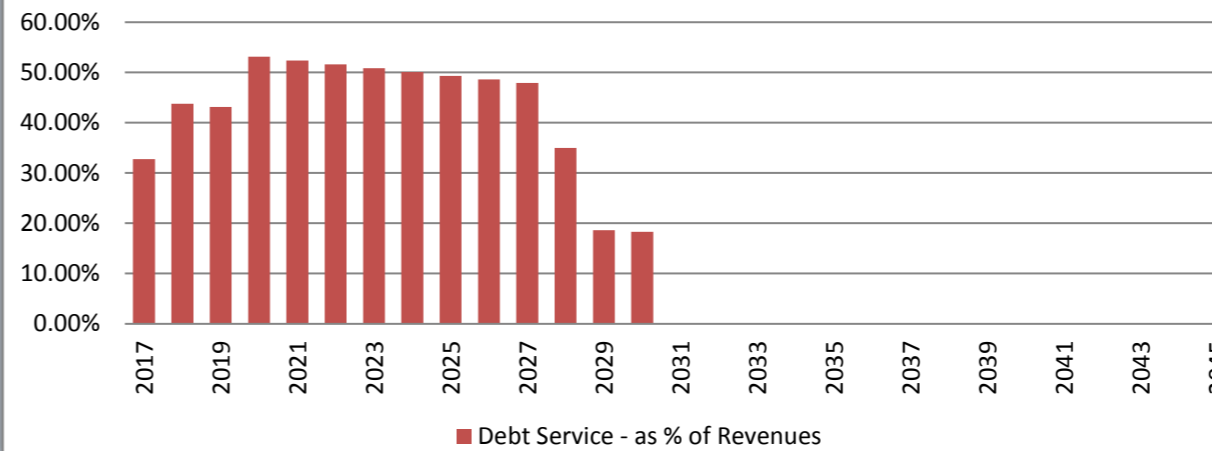
Project Expenditures



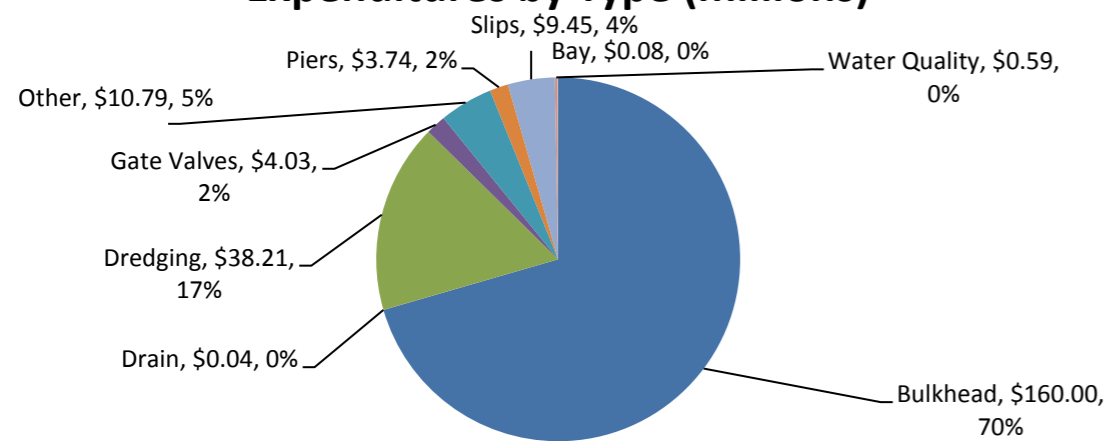
All Estimated Revenue Sources



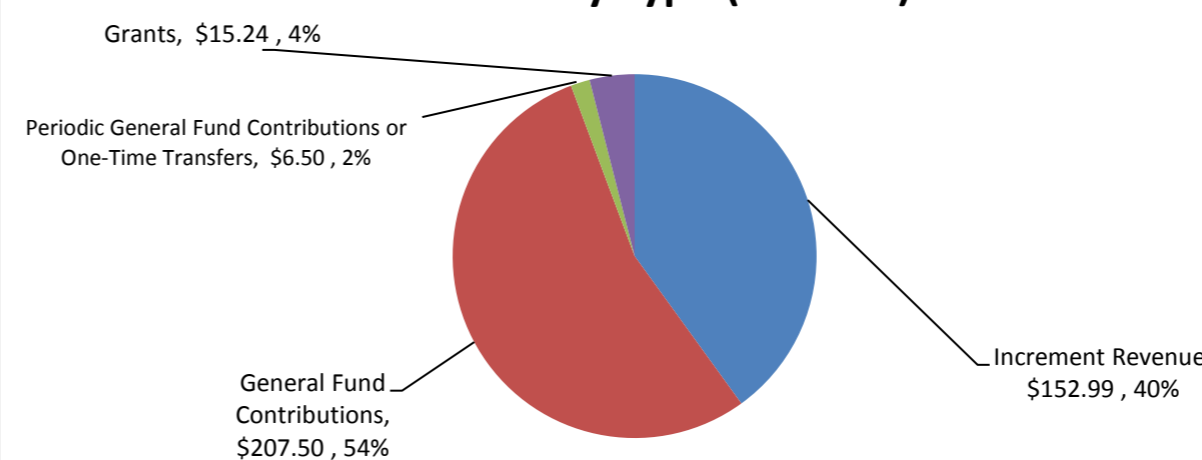
Debt Service as % of Dedicated Revenues



Expenditures by Type (millions)



Revenues by Type (millions)



HARBOR & BEACHES MASTER PLAN PROJECTS

Last Updated: 8/27/2018

2018

Ref #	ProjGL	Project	Category	YR Built	Last Refurb.	Units		Today's Total			Project Estimate	FY Design Start Year	FY Const Start Year	FV Cost Est @2.5% Growth	External Contributions	Net Proposed Cost	
						Measurement	Total Units	Cost	Current Age:	Useful Life							Years to Start
1		Tide Gate Valves (Balboa Island): Replace	Gate Valves	0	0	EA	34	\$50,000	**	25	4	\$1,700,000	2019	2022	\$1,876,482	\$1,876,482	
2		Tide Gate Valves (Peninsula): Replace	Gate Valves	0	0	EA	39	\$50,000	**	25	4	\$1,950,000	2019	2022	\$2,152,435	\$2,152,435	
3		Seawall (Balboa Island N & S): Extend Cap	Bulkhead	1930	0	LF	7,000	\$100	88	20		\$700,000	2014	2017	\$0	\$0	
4	15H11	Seawall (Balboa Island, West End): Extend Cap	Bulkhead	1930	0	LF	1,300	\$100	88	20		\$130,000	2014	2017	\$0	\$0	
5		Arches Drain: Dry Weather Diversion	Drain	2017	0	LS	1	\$860,000	1	80	0	\$860,000	2017	2019	\$860,000	820,000	\$40,000
6		Bulkhead (Edge Water Ln): Extend Cap	Bulkhead	2017		LF	145	\$303	1	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	1	\$735,000	2018	2019	\$753,375	\$753,375	
10		Bilidge Pumpout Dock	Water Quality	0	0	LS	1	\$200,000	**	15	2	\$200,000	2018	2020	\$210,125	\$210,125	
11		Bulkhead (American Legion): Repair	Bulkhead	1957	0	LF	328	\$900	61	40	1	\$295,200	2018	2019	\$302,580	\$302,580	
12		Harbor Local Coastal Plan	Other	0	0	LS	1	\$500,000	**	50	3	\$500,000	2018	2021	\$538,445	\$538,445	
13		Public Pier (M St): Gangway & Float	Piers	0	0	EA	1	\$100,000	**	20	2	\$100,000	2018	2020	\$105,063	\$105,063	
14		Public Pier (15th St): Float only	Piers	0	0	EA	1	\$50,000	**	20	2	\$50,000	2018	2020	\$52,531	\$52,531	
15		Public Pier (Opal Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	2	\$75,000	2018	2020	\$78,797	\$78,797	
16		Public Pier (Fernando St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	2	\$75,000	2018	2020	\$78,797	\$78,797	
17		Public Swim Float (10th St)	Other	0	0	EA	1	\$35,000	**	20	1	\$35,000	2018	2019	\$35,875	\$35,875	
18		Water Quality: TMDL Compliance:	Water Quality	0	0	LS	1	\$300,000	**	Ongoing	2	\$300,000	2018	2020	\$315,188	\$315,188	
19		Dredging Equipment (needs further review)	Dredging	0	0	EA	2	\$1,000,000	**	30	2	\$2,000,000	2019	2020	\$0	\$0	
20		Dredging: Lower Bay (Channels - Ongoing Maintenance)	Dredging	0	0	CY	650,000	\$25	**	30	4	\$16,250,000	2019	2022	\$17,936,959	14,349,568	\$3,587,392
21		Dredging: Newport Island Area (Channels)	Dredging	0	0	CY	15,000	\$50	**	50	4	\$750,000	2019	2022	\$827,860	\$827,860	
22		Public Beaches (Lido Isle Bridge): Install Walkway to Beach	Bay	0	0	EA	1	\$75,000	**	40	2	\$75,000	2019	2020	\$78,797	\$78,797	
23		Public Pier (Washington St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	3	\$75,000	2019	2021	\$80,767	\$80,767	
24		Public Pier (Park Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	3	\$75,000	2019	2021	\$80,767	\$80,767	
25		Public Pier (19th St): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	3	\$75,000	2019	2021	\$80,767	\$80,767	
26		Public Pier (Coral Ave): Gangway & Float	Piers	1985	1985	EA	1	\$75,000	33	20	3	\$75,000	2019	2021	\$80,767	\$80,767	
27		Public Pier (29th St): Gangway & Float	Piers	0	0	EA	1	\$100,000	**	20	2	\$100,000	2019	2020	\$105,063	\$105,063	
28		Water Quality: Circulation (Newport Island Area):	Water Quality	0	0	EA	-		**	0	2	\$0	2019	2020	\$0	\$0	
29		Ferry Landings (Agate Ave & Palm St): Replace?	Other	1930	0	EA	1	\$0	88	75	4	\$0	2020	2022	\$0	\$0	
30		Lower Castaways: Bulkhead Only	Bulkhead	0	0	LF	265	\$3,800	**	80	4	\$1,007,000	2020	2022	\$1,111,540	\$1,111,540	
31		Public Pier (Sapphire Ave): Gangway & Float	Piers	0	0	EA	1	\$75,000	**	20	4	\$75,000	2020	2022	\$82,786	\$82,786	
32		Public Pier (Emerald Ave): Gangway & Float	Piers	1986	1986	EA	1	\$75,000	32	20	4	\$75,000	2020	2022	\$82,786	\$82,786	
33		Vessel Sewage Pumpout Facilities: Replace	Water Quality	0	0	EA	5	\$25,000	**	10	5	\$125,000	2020	2023	\$141,426	75,000	\$66,426
34		Central Peninsula Sand Nourishment	Sand	2017		CY	1,000,000		1	20	7	\$0	2021	2025	\$0	\$0	
35		Balboa Yacht Basin Marina (Slips): Replace	Slips	1985	0	Slips	172	\$35,000	33	40	7	\$6,020,000	2022	2025	\$7,155,888	\$7,155,888	
36		Dredging (Balboa Yacht Basin):	Dredging	1985	0	CY	25,600	\$70	33	40	7	\$1,792,000	2022	2025	\$2,130,125	\$2,130,125	
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	8	\$2,300,000	2024	2026	\$2,802,327	\$2,802,327	
38		Balboa Island, N, S, E & GC: Replace Seawall 1	Bulkhead	1930		LF	4,386	\$3,800	88	80	8	\$16,667,666	2024	2026	\$20,307,933	\$20,307,933	
71		Balboa Island, N, S, E & GC: Replace Seawall 2	Bulkhead	1930		LF	4,386	\$3,800	88	81	13	\$16,667,666	2024	2031	\$22,976,562	\$22,976,562	
72		Balboa Island, N, S, E & GC: Replace Seawall 3	Bulkhead	1930		LF	4,386	\$3,800	88	82	19	\$16,667,666	2024	2037	\$26,645,768	\$26,645,768	
39		Surfside/Sunset Beach Sand Nourishment	Sand	2017		LS	1	\$300,000	1	7	7	\$300,000	2024	2025	\$356,606	\$356,606	
40		Dredging: Upper Bay Catch Basins	Dredging	2009	0	CY	500,000	\$30	9	21	12	\$15,000,000	2027	2030	\$20,173,332	\$20,173,332	
41		Dredging: Upper Bay Channels	Dredging	2009		CY	250,000	\$30	9	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	11	\$150,000	2027	2029	\$196,813	\$196,813	
43		Public Bay Beaches: Sand Nourishment (25k yards)	Other	2016	0	CY	25,000	\$50	2	25	13	\$1,250,000	2028	2031	\$1,723,139	\$1,723,139	
44		Public Pier (15th St): Pier & Gangway	Piers	0	0	EA	1	\$115,000	**	20	16	\$115,000	2031	2034	\$170,718	\$170,718	
45		Public Pier (Coral Ave): Pier only	Piers	1985	1985	EA	1	\$75,000	33	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
46		Public Pier (Emerald Ave): Pier only	Piers	1986	1986	EA	1	\$75,000	32	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
47		Public Pier (Fernando St): Pier only	Piers	0	0	EA	1	\$75,000	**	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
48		Public Pier (M St): Pier only	Piers	1985	1985	EA	1	\$100,000	33	20	16	\$100,000	2031	2034	\$148,451	\$148,451	
49		Public Pier (Opal Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
50		Public Pier (Park Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
51		Public Pier (Sapphire Ave): Pier only	Piers	0	0	EA	1	\$75,000	**	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
52		Public Pier (Washington St): Pier only	Piers	0	0	EA	1	\$75,000	**	20	16	\$75,000	2031	2034	\$111,338	\$111,338	
53		Entrance Jetty: Maintenance	Other	1936	0	LF	3,000	\$1,000	82	50	18	\$3,000,000	2033	2036	\$4,678,976	\$4,678,976	
54		Bulkhead (American Legion): Replace	Bulkhead	1957	0	LF	336	\$3,800	61	80	19	\$1,276,800	2034	2037	\$2,041,157	\$2,041,157	

Ref #	ProjGL	Project	Category	YR Built	Last Refurb.	Units		Today's Total				Project Estimate	FY Design Start	FY Const Start	FV Cost Est	External	Net Proposed
						Measurement	Total Units	Cost	Current Age:	Useful Life	Years to Start		Year	Year	@2.5% Growth	Contributions	Cost
55		Public Pier (Rhine Channel): Float only	Piers	2007	2007	EA	1	\$175,000	11	30	19	\$175,000	2034	2037	\$279,764		\$279,764
56		Bulkhead (Rhine Channel): Replace	Bulkhead	1960	0	LF	375	\$3,800	58	80	22	\$1,425,000	2037	2040	\$2,453,239		\$2,453,239
57		Public Pier (Grand Canal, Balboa Ave): Pier Platform	Piers	2017	2012	EA	1	\$10,000	1	20	20	\$10,000	2037	2038	\$16,386		\$16,386
58		Bulkhead (West Newport): Replace	Bulkhead	0	0	LF	1,722	\$3,800	**	80	23	\$6,543,600	2038	2041	\$11,546,906		\$11,546,906
59		Bulkhead (Corona Del Mar): Replace	Bulkhead	0	0	LF	175	\$3,800	**	80	27	\$665,000	2042	2045	\$1,295,287		\$1,295,287
60		Bulkhead (Promontory Bay): Replace	Bulkhead	1965	0	LF	1,158	\$3,800	53	80	27	\$4,400,400	2042	2045	\$8,571,099		\$8,571,099
61		Public Pier (Rhine Channel): Gangway only	Piers	0	0	EA	1	\$60,000	**	40	29	\$60,000	2044	2047	\$122,784		\$122,784
62		Bulkhead (Rhine Wharf): Replace	Bulkhead	0	0	LF	343	\$3,800	**	80	31	\$1,303,400	2046	2049	\$2,802,319		\$2,802,319
63		Marina Park Slips: Replace	Slips	2015	0	EA	23	\$40,000	3	40	37	\$920,000	2052	2055	\$2,293,881		\$2,293,881
64		Bulkhead (Street Ends - Peninsula): Replace	Bulkhead	0	0	LF	2,217	\$3,800	**	80	38	\$8,424,600	2053	2056	\$21,530,602		\$21,530,602
65		Public Pier (Balboa Marina West): Float only	Piers	2017	0	EA	1	\$200,000	1	40	39	\$200,000	2054	2057	\$523,915		\$523,915
66		Public Pier (Balboa Marina West): Gangway	Piers	2017	0	EA	1	\$50,000	1	41	40	\$50,000	2055	2058	\$134,253		\$134,253
67		Public Pier (Central Ave): Gangway and Float	Piers	2017	0	EA	1	\$250,000	1	40	39	\$250,000	2055	2057	\$654,894		\$654,894
68		Bulkhead (Balboa Yacht Basin): Replace	Bulkhead	1985	0	LF	1,370	\$3,800	33	80	47	\$5,206,000	2063	2065	\$16,615,975		\$16,615,975
69		Bulkhead (Marina Park): Replace	Bulkhead	2015	0	LF	857	\$3,800	3	80	77	\$3,256,600	2093	2095	\$21,802,287		\$21,802,287
70		Land Acquisition for Potential Launch Ramp	Other	0		EA	1	\$0	**	80	5	\$0	2020	2023	\$0		\$0
TOTAL												\$151,148,534		\$242,114,520	\$15,244,568	\$227,290,952	

HARBOR & BEACHES MASTER PLAN SOURCES AND USES PROFORMA

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
AFFORDABILITY ASSUMPTIONS																
Tidelands Capital Fund Revenues	2,316,664	2,351,414	2,386,686	2,422,486	2,458,823	2,495,706	2,533,141	2,571,138	2,609,705	2,648,851	2,688,584	2,728,912	2,769,846	2,811,394	2,853,565	
Growth Assumption	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
HARBOR CAPITAL SOURCES																
Beginning Harbor Capital Balance	15,310,402	20,513,883	24,390,355	28,981,351	33,849,352	35,403,299	39,210,022	45,005,652	44,212,324	34,986,470	33,120,071	39,788,973	43,278,926	30,790,999	13,560,064	
Sources																
Increment Revenue Projections	2,316,664	2,351,414	2,386,686	2,422,486	2,458,823	2,495,706	2,533,141	2,571,138	2,609,705	2,648,851	2,688,584	2,728,912	2,769,846	2,811,394	2,853,565	
Interest Earnings																
General Fund Contributions	2,500,000	3,500,000	4,500,000	5,500,000	6,000,000	6,000,000	5,500,000	5,500,000	5,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	
Periodic GF or One-time Transfers	1,500,000															
Grants	82,000	451,000	287,000	1,434,957	7,899,762	5,063,599	26,250	-	-	-	-	-	-	-	-	
Total Sources:	6,398,664	6,302,414	7,173,686	9,357,443	16,358,585	13,559,304	8,059,391	8,071,138	8,109,705	7,148,851	7,188,584	7,228,912	7,269,846	7,311,394	7,353,565	
Uses																
Debt Service	(1,000,000)	(1,250,000)	(1,250,000)	(1,250,000)	(1,250,000)	(1,250,000)	(1,250,000)	(1,250,000)	(1,250,000)	(926,659)	(500,000)	(500,000)	-	-	-	
Other Fiscal Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Project Uses	(195,183)	(1,175,942)	(1,332,689)	(3,239,442)	(13,554,638)	(8,502,581)	(1,013,761)	(7,614,466)	(16,085,559)	(8,088,591)	(19,681)	(3,238,960)	(19,757,773)	(24,542,329)	(8,644,895)	
Less: Cash Proj Funding																
Total Uses:	(1,195,183)	(2,425,942)	(2,582,689)	(4,489,442)	(14,804,638)	(9,752,581)	(2,263,761)	(8,864,466)	(17,335,559)	(9,015,250)	(519,681)	(3,738,960)	(19,757,773)	(24,542,329)	(8,644,895)	
Projected Harbor Capital Balance	20,513,883	24,390,355	28,981,351	33,849,352	35,403,299	39,210,022	45,005,652	44,212,324	34,986,470	33,120,071	39,788,973	43,278,926	30,790,999	13,560,064	12,268,733	