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RESOLUTION NO. 15-6954

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HERMOSA BEACH, CALIFORNIA, APPROVING THE ENGINEER'S REPORT AND SCHEDULING A MAJORITY PROTEST HEARING FOR THE CITY OF HERMOSA BEACH PROPOSED SEWER SERVICE CHARGE

THE CITY COUNCIL OF THE CITY OF HERMOSA BEACH, CALIFORNIA, DOES HEREBY RESOLVE AND ORDER AS FOLLOWS:

SECTION 1. Recitals.

1. The City of Hermosa Beach is considering the adoption of a sewer service charge to commence in the fiscal year 2015/2016. The purpose of the charge is to collect funds to cover the expenses for the overall operation, maintenance and servicing of the city-owned sewer system as well as the funds deemed appropriate and necessary to pay for capital improvements and reserves.

2. On April 28, 2015, the City Council was presented with an Engineer's Report ("Report") for the proposed sewer service charge, attached hereto as Attachment A and incorporated herein by reference. The Report is entitled "City of Hermosa Beach Sewer Service Charges Commencing Fiscal Year 2015/2016 Engineer's Report." The Report includes an overall description of the City's sewer improvements and operation, maintenance and services for the system, as well as the estimated cost of the improvements, the proposed charge and a boundary diagram for the affected parcels.

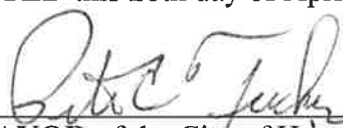
SECTION 2. After reviewing and considering the Engineer's Report, the City Council hereby adopts the Report as an accurate and complete analysis of the proposed service charge, which will be considered following notice and a majority protest hearing as required under Article XIII(D) of the California Constitution (Proposition 218).

SECTION 3. The City Clerk is directed to schedule a majority protest hearing to consider the proposed charge on June 23, 2015 and to send out the public notices required under state law for the majority protest hearing.

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SECTION 4. The City Clerk shall certify to the passage and adoption of this Resolution; shall enter the same in the book of original Resolutions; and shall make a minute of the passage and adoption thereof in the records of the proceedings of the City Council meeting at which the same is passed and adopted. This Resolution will become effective immediately upon adoption and will remain effective unless repealed or superseded.

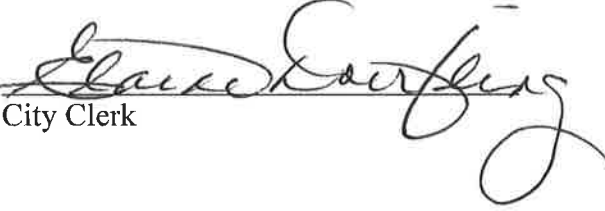
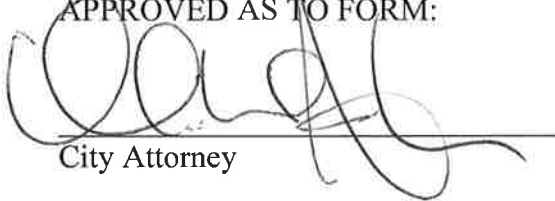
PASSED, APPROVED AND ADOPTED this 28th day of April, 2015.



PRESIDENT of the City Council and **MAYOR** of the City of Hermosa Beach, California

ATTEST:

APPROVED AS TO FORM:


City Clerk
City Attorney



**CITY OF HERMOSA BEACH SEWER SERVICE CHARGES
COMMENCING FISCAL YEAR 2015/2016
ENGINEER'S REPORT**



April 28, 2015

Submitted by: **PENCO Engineering, Inc.**



PENCO Engineering, Inc.
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Attachment A



PENCO Engineering, Inc.

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INTRODUCTION

In order to effectively establish a capital improvement program to implement the needed wastewater system improvements, an equitable method of prioritizing projects must be established. In general, sewer facilities having the greatest degree of defects and deterioration at the present time will receive higher priority than those which are in better conditions.

In 1994, an Infrastructure Management Project Report, prepared by ITX, analyzed the City's sewer network and also recommended a rehabilitation program to address the immediate needs of the sewer network.

In 2008, considering the City's 85 years old sewer network of concrete and clay pipes, City embarked on the implementation of a Sanitary Sewer Master Plan that updated the Sewer portion of the Infrastructure Management Project Report prepared by ITX in 1994. Building on the work the City had completed through the undertaking of previous studies and projects, the Sewer Master Plan was prepared based upon newly collected data from the 2008 Closed Circuit TV (CCTV) inspection of the entire sewer system. This Sewer Master Plan, dated April 2009 and revised March 2011, currently lists the existing defects and deficiencies and identifies projects for improvements for a 10 year program. At the end of the ten year rehabilitation program, CCTV inspection of the entire sewer system is recommended for monitoring any remaining or newly developed physical deterioration and maintenance problems. This would allow the City to continue with development and implementation of a cost effective rehabilitation program that will insure the long-term integrity of the sewer system and service to the community.

The City is now considering to bond for needed capital improvements using a portion of the proposed sewer service charges to pay annual debt service to address major repairs and rehabilitation of the sewer system based on the priority set in the Sewer Master plan. In support of this endeavor and per City's request, a more up to date cost to rehabilitate the sewer system over the next ten (10) years is presented in the following section of this update to the Sewer Master Plan.

SUMMARY AND RECOMMENDATIONS

This section puts forth a rehabilitation program cost estimate considering the needs of the sanitary sewer infrastructure over the next ten (10) years; however a plan is in place to implement the necessary improvements within seven years. As was previously stated, the City has undertaken rehabilitation work of its sewer system based on programs outlined in previous studies that recommended the City to plan for the eventual replacement of the entire sanitary sewer system. City is estimated to currently have 194,000 lineal feet of sanitary sewer pipes, 880 sewer manholes, one (1) main wastewater pump station and three (3) small beach restroom pumps.

In 2008, Closed Circuit TV (CCTV) inspection of the entire sewer system, that was accessible, was completed and prioritized for repair in the 2009 Sewer Master Plan. Of the 194,000 lineal feet of sanitary sewer pipes in the system, 38,000 lineal feet of sewer pipes were not accessible by CCTV due to obstructions. These pipes are likely to be badly deteriorated considering their age and limited accessibility for routine maintenance. Therefore, these pipes are considered a priority for rehabilitation and repair.

Based on existing records, 53,800 feet of pipe is considered to be in good condition and requires no rehabilitation for a minimum of ten years. The remaining 140,200 feet of pipe in the system; requires some form of rehabilitation within the next ten years.



REHABILITATION COST ANALYSIS (over next 7 years)

Total pipe inventory	194,000 ft.
Pipes in good condition for next ten years	53,800 ft.
Pipes to be rehabilitated	$(194,000 - 53800) = 140,200$ ft.
Pipe Rehabilitation Unit Cost (based on past 3 years average cost)	50.00 \$/ft.
Pipe Rehabilitation Quantity per Year (spread equally over 7 years)	$140,200/7=20,029$ ft. /yr.
Pipe Rehabilitation Cost (1 st year) - assume 2% inflation	$(20,029) (50.0) (1.02) = \$1,021,479$
Pipe Rehabilitation Cost (2 nd year) - assume 2% inflation	$(20,029) (50.0) (1.02)^2 = \$1,041,909$
Pipe Rehabilitation Cost (3 rd year) - assume 2% inflation	$(20,029) (50.0) (1.02)^3 = \$1,062,747$
Pipe Rehabilitation Cost (4 th year) - assume 2% inflation	$(20,029) (50.0) (1.02)^4 = \$1,084,002$
Pipe Rehabilitation Cost (5 th year) - assume 2% inflation	$(20,029) (50.0) (1.02)^5 = \$1,105,682$
Pipe Rehabilitation Cost (6 th year) - assume 2% inflation	$(20,029) (50.0) (1.02)^6 = \$1,127,793$
Pipe Rehabilitation Cost (7 th year) - assume 2% inflation	$(20,029) (50.0) (1.02)^7 = \$1,150,351$
Manholes -15% need reconstruction	$(700) (.15) (\$8,000) = \$840,000$
TOTAL CONSTRUCTION COST	\$8,433,963
Contingency -10%	\$843,396
Design & Inspection Costs-20%	\$1,686,793
TOTAL REQUIRED BUDGET	\$10,964,152²

² Information from the City of Hermosa Beach Master Plan prepared by MBF Consulting.



PART A – PLANS AND SPECIFICATIONS

CITY SEWER IMPROVEMENTS³

The sewer improvements within the City of Hermosa Beach for which the City proposes to be responsible for maintenance and operation of the sewer system as well as levy and collect charges to maintain such improvements, includes, but is not limited to, and may be generally described as follows:

- Approximately 194,000 feet of main sewer lines consisting of the following:
 - 28,868 linear feet (LF) of 6" sewer lines;
 - 149,993 linear feet (LF) of 8" sewer lines;
 - 4,204 linear feet (LF) of 10" sewer lines;
 - 5,071 linear feet (LF) of 12" sewer lines;
 - 1,254 linear feet (LF) of 15" sewer lines;
 - 1,150 linear feet (LF) of 18" sewer lines;
 - 805 linear feet (LF) of 21" sewer lines; and
 - 2,655 linear feet (LF) of 24" sewer lines.
- 880 Sewer Manholes
- Four Lift/Pump station: 394 – 21 inch and 2,629 – 24 inch
 - Three (3) Beach restroom pumps
 - The Strand - 34th

The specific plans and specifications for the city-owned sewer improvements are incorporated and contained in the sewer construction plans and specifications for the various sewer segments of the sewer system within the City of Hermosa Beach. These plans and specifications are voluminous and are not bound in this report but by this reference are incorporated and made a part of this report. The specific plans and specifications for the city-owned sewer improvements are on file in Public Works at the City.

OPERATIONS, MAINTENANCE AND SERVICES

The City of Hermosa Beach proposes to collect funds to cover the expenses for the overall operation, maintenance and servicing of the city-owned sewer system as well as funds that may be necessary to pay for capital outlay expenditures including repairs, rehabilitation or replacement of equipment or facilities. The following is a summary of the services and activities associated with the maintenance, operation, servicing and capital outlay expenditures for the City's sewer system. The frequency, extent and/or level of the services and activities identified below may be modified based on available funding and priorities as determined by the City:

Preventive Maintenance

One of the City's primary objectives for assuming responsibility and management of the operation and maintenance of the City's sewer system is to provide a cost-effective and efficient program that will ensure the integrity and long term stability of the sewer system. This is best accomplished by implementing preventive maintenance program that addresses the entire sewer system. This preventive maintenance should include, but is not limited to, regular inspection of the sewer manholes, pipes, siphons, pump stations and related facilities as well as regular cleaning,

³ Information from the City of Hermosa Beach Master Plan prepared by MBF Consulting.



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- Work Scheduling - Field crew activities will be recorded and tracked by the City utilizing various forms including, but not limited to service requests, cleaning reports, sewer maintenance daily reports, overflow reports forms, project work orders, etc.



PART C – CHARGE CALCULATION AND PROPOSED CHARGES

The sewer service charge for 2015/2016 is being established by the City. The charge multiplied by the Equivalent Sewer Units assigned to each parcel will be the charge for each parcel. The Equivalent Sewer Unit (ESU) determination for each parcel is described below.

LAND USE	ESU
Single Family	1.0
Condominiums	1.0
Multi Family	0.6

Sewage Generation Factors

The City of Hermosa Beach updated their sanitary sewer master plan in April 2009 and again in March 2011, both were prepared by MBF Consulting.

A numeric relationship between the various lots and parcels is necessary for the allocation of the costs of sewer maintenance among the lots and parcels. It is customary to relate the various land uses to the single family residential lot which is established as one Equivalent Sewage Unit (ESU), and all other lots and parcels are related proportionally to the single family residential lot. Based on sewage generation rates, a typical single family lot generates 260 gallons per day in Los Angeles County⁵. Therefore, for purposes of comparison of the various land uses for lots and parcels, 260 gallons per day is designated as the equivalent of 1 ESU.

Non-residential Land Uses

The ESU for various non-residential land uses is calculated by the following equation:

$$ESU = [\text{Commercial Water Consumption GPD}]/260 \text{ GPD per SFRU}$$

Single family residential units will be charge at 1.0 ESU per parcel, the multi-family residential units will be charged at 0.6 ESU per parcel and condominiums at 1.0 ESU per parcel as they are similar to single family residents in use. For the non-residential, it was allocated by water consumption values for all of Hermosa Beach from information provided by California Water Services Company annually. Vacant parcels of any use are charged 0.5 ESU.

⁵ West Hollywood Sewer Charge Report.



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This report and recommended charges complies with all five of these requirements.

1. Revenues generated by this charge will not exceed funds required to provide sewer services and shall not be used for any other purpose, besides what has been described herein.
2. The sewer charge is the proportional cost of provided service to the parcels in the City and the charge is for actual use or is immediately available to the property in question.

Due to the number of parcels in the City of Hermosa Beach that will be subject to the Sewer Service Charge, the Parcel Charges (a listing of the Assessor's Parcel Numbers to be levied the proposed charge amounts) is not contained in this Report, but will be filed with the City Clerk in an electronic format prior to the public hearing regarding the levy and collection of the charges for Fiscal 2015/2016. The proposed Parcel Charge Roll, after being filed with the City Clerk, shall be available for public inspection in the City Clerk's Office during normal business office hours. However, the following tables provide a summary of the estimated ESUs by land use anticipated for Fiscal Year 2015/2016, per the County's assigned land use classification of each parcel within the City that was available at the time this Report was prepared.



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EXAMPLES OF ESUs BY LAND USE - Non-Residential

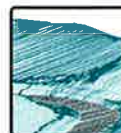
Non-Residential Parcel Breakdown by Land Use			
UseCode	UseCodeDesc	Parcel Count	Total ESU's
1100	Store, 1 Story	88	84.52
1102	Store, 2 Stories	2	6.61
1200	Store and Office, 1 Story	18	52.71
1210	Store and Residence, 1 Story	30	45.38
1212	Store and Residence, 2 Stories	2	0.54
1340	Retail Warehouse, 1 Story	1	0.30
1400	Supermarket, 12000+ SqFt, 1 Story	1	3.08
1420	Supermarket, Under 6000 SqFt, 1 Story	2	0.32
1500	Shopping Center, Community, 1 Story	10	68.42
1700	Office Building, 1 Story	56	18.19
1702	Office Building, 2 Stories	4	3.67
1703	Office Building, 3 Stories	5	12.86
1820	Motel, 1-49 Rooms, 1 Story	3	13.68
1830	Motel, 50+ Rooms, 1 Story	3	66.78
1900	Professional Building, 1 Story	3	1.97
1902	Professional Building, 2 Stories	1	3.26
1910	Professional Building, Med/Dental, 1 Story	3	2.29
1920	Professional Building, Veterinary, 1 Story	1	0.39
2100	Restaurant, Lounge or Tavern, 1 Story	26	43.71
2102	Restaurant, Lounge or Tavern, 2 Stories	1	12.38
2110	Fast Food, Walk Up, 1 Story	2	6.79
2120	Fast Food, Auto Oriented, 1 Story	1	2.77
2300	Bank or Savings and Loan, 1 Story	3	0.98
2400	Service or Repair Shop, 1 Story	1	0.05
2500	Service Station, 1 Story	1	0.82
2600	Auto Body and Fender, 1 Story	25	10.40
2601	Auto Sales & Service	1	0.32
2620	New Car Sales and Service, 1 Story	2	0.83
2630	Car Wash, 1 Story	1	25.16
2700	Parking Lot, Patron/Employee, 1 Story	46	20.02
3100	Light Manufacturing, 1 Story	28	4.08
3350	Mini Public Storage, 1 Story	1	0.32
6400	Clubs, Lodge Halls, Fraternal Orgs, 1 Story	2	0.95
7100	Churches, 1 Story	7	13.96
7200	Private Schools, 1 Story	4	4.14
7500	Home For Aged and Others, 1 Story	1	1.34
8800	Government, Unassigned	52	16.69
100V	Commercial, Unassigned, Vacant	30	15.00
110C	Store, Condominium	4	0.24
17TO	Commercial	1	2.36
27OV	Parking Lot, Vacant	1	0.50
300V	Industrial, Vacant	3	1.50
88OV	Government Owned, Vacant	5	2.50
XXXX	Unclassified	203	1,343.63

Total Parcels	685
Total ESU's	1916.41

APPENDIX
FOR THE CITY OF HERMOSA BEACH
SEWER SERVICE CHARGES

April 28, 2015

Submitted by: PENCO Engineering, Inc.



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Attachment A

SEMIANNUAL DEBT SERVICE - 2015 ISSUE

City of Hermosa Beach
2015 Sewer Funding Project
(20-Year Term w/\$3M City Contribution)

Date	Principal	Coupon	Interest	Semiannual Debt Service	Fiscal Year Debt Service
09/01/15					
03/01/16			102,150.00	102,150.00	
09/01/16	145,000	4.50%	102,150.00	247,150.00	349,300.00
03/01/17			98,887.50	98,887.50	
09/01/17	150,000	4.50%	98,887.50	248,887.50	347,775.00
03/01/18			95,512.50	95,512.50	
09/01/18	160,000	4.50%	95,512.50	255,512.50	351,025.00
03/01/19			91,912.50	91,912.50	
09/01/19	165,000	4.50%	91,912.50	256,912.50	348,825.00
03/01/20			88,200.00	88,200.00	
09/01/20	175,000	4.50%	88,200.00	263,200.00	351,400.00
03/01/21			84,262.50	84,262.50	
09/01/21	180,000	4.50%	84,262.50	264,262.50	348,525.00
03/01/22			80,212.50	80,212.50	
09/01/22	190,000	4.50%	80,212.50	270,212.50	350,425.00
03/01/23			75,937.50	75,937.50	
09/01/23	195,000	4.50%	75,937.50	270,937.50	346,875.00
03/01/24			71,550.00	71,550.00	
09/01/24	205,000	4.50%	71,550.00	276,550.00	348,100.00
03/01/25			66,937.50	66,937.50	
09/01/25	215,000	4.50%	66,937.50	281,937.50	348,875.00
03/01/26			62,100.00	62,100.00	
09/01/26	225,000	4.50%	62,100.00	287,100.00	349,200.00
03/01/27			57,037.50	57,037.50	
09/01/27	235,000	4.50%	57,037.50	292,037.50	349,075.00
03/01/28			51,750.00	51,750.00	
09/01/28	245,000	4.50%	51,750.00	296,750.00	348,500.00
03/01/29			46,237.50	46,237.50	
09/01/29	255,000	4.50%	46,237.50	301,237.50	347,475.00
03/01/30			40,500.00	40,500.00	
09/01/30	270,000	4.50%	40,500.00	310,500.00	351,000.00
03/01/31			34,425.00	34,425.00	
09/01/31	280,000	4.50%	34,425.00	314,425.00	348,850.00
03/01/32			28,125.00	28,125.00	
09/01/32	290,000	4.50%	28,125.00	318,125.00	346,250.00
03/01/33			21,600.00	21,600.00	
09/01/33	305,000	4.50%	21,600.00	326,600.00	348,200.00
03/01/34			14,737.50	14,737.50	
09/01/34	320,000	4.50%	14,737.50	334,737.50	349,475.00
03/01/35			7,537.50	7,537.50	
09/01/35	335,000	4.50%	7,537.50	342,537.50	350,075.00
Total	4,540,000		2,439,225.00	6,979,225.00	6,979,225.00

COMBINED ANNUAL DEBT SERVICE

City of Hermosa Beach
 2015 Sewer Funding Project
 (20-Year Term w/\$3M City Contribution)

Date	2015 Issue Debt Service	2018 Issue Debt Service	Combined Debt Service
09/01/15			
09/01/16	349,300.00		349,300.00
09/01/17	347,775.00		347,775.00
09/01/18	351,025.00		351,025.00
09/01/19	348,825.00	382,175.00	731,000.00
09/01/20	351,400.00	385,025.00	736,425.00
09/01/21	348,525.00	382,325.00	730,850.00
09/01/22	350,425.00	384,350.00	734,775.00
09/01/23	346,875.00	385,825.00	732,700.00
09/01/24	348,100.00	381,750.00	729,850.00
09/01/25	348,875.00	382,400.00	731,275.00
09/01/26	349,200.00	382,500.00	731,700.00
09/01/27	349,075.00	382,050.00	731,125.00
09/01/28	348,500.00	386,050.00	734,550.00
09/01/29	347,475.00	384,225.00	731,700.00
09/01/30	351,000.00	381,850.00	732,850.00
09/01/31	348,850.00	383,925.00	732,775.00
09/01/32	346,250.00	385,175.00	731,425.00
09/01/33	348,200.00	385,600.00	733,800.00
09/01/34	349,475.00	385,200.00	734,675.00
09/01/35	350,075.00	383,975.00	734,050.00
09/01/36		381,925.00	381,925.00
09/01/37		384,050.00	384,050.00
09/01/38		385,075.00	385,075.00
Total	6,979,225.00	7,675,450.00	14,654,675.00

SEMIANNUAL DEBT SERVICE - 2015 ISSUE

City of Hermosa Beach
 2015 Sewer Funding Project
 (30-Year Term w/\$3M City Contribution)

Date	Principal	Coupon	Interest	Semiannual Debt Service	Fiscal Year Debt Service
09/01/15					
03/01/16			123,750.00	123,750.00	
09/01/16	60,000	5.50%	123,750.00	183,750.00	307,500.00
03/01/17			122,100.00	122,100.00	
09/01/17	65,000	5.50%	122,100.00	187,100.00	309,200.00
03/01/18			120,312.50	120,312.50	
09/01/18	70,000	5.50%	120,312.50	190,312.50	310,625.00
03/01/19			118,387.50	118,387.50	
09/01/19	75,000	5.50%	118,387.50	193,387.50	311,775.00
03/01/20			116,325.00	116,325.00	
09/01/20	80,000	5.50%	116,325.00	196,325.00	312,650.00
03/01/21			114,125.00	114,125.00	
09/01/21	80,000	5.50%	114,125.00	194,125.00	308,250.00
03/01/22			111,925.00	111,925.00	
09/01/22	85,000	5.50%	111,925.00	196,925.00	308,850.00
03/01/23			109,587.50	109,587.50	
09/01/23	90,000	5.50%	109,587.50	199,587.50	309,175.00
03/01/24			107,112.50	107,112.50	
09/01/24	95,000	5.50%	107,112.50	202,112.50	309,225.00
03/01/25			104,500.00	104,500.00	
09/01/25	100,000	5.50%	104,500.00	204,500.00	309,000.00
03/01/26			101,750.00	101,750.00	
09/01/26	105,000	5.50%	101,750.00	206,750.00	308,500.00
03/01/27			98,862.50	98,862.50	
09/01/27	110,000	5.50%	98,862.50	208,862.50	307,725.00
03/01/28			95,837.50	95,837.50	
09/01/28	120,000	5.50%	95,837.50	215,837.50	311,675.00
03/01/29			92,537.50	92,537.50	
09/01/29	125,000	5.50%	92,537.50	217,537.50	310,075.00
03/01/30			89,100.00	89,100.00	
09/01/30	130,000	5.50%	89,100.00	219,100.00	308,200.00
03/01/31			85,525.00	85,525.00	
09/01/31	140,000	5.50%	85,525.00	225,525.00	311,050.00
03/01/32			81,675.00	81,675.00	
09/01/32	145,000	5.50%	81,675.00	226,675.00	308,350.00
03/01/33			77,687.50	77,687.50	
09/01/33	155,000	5.50%	77,687.50	232,687.50	310,375.00
03/01/34			73,425.00	73,425.00	
09/01/34	165,000	5.50%	73,425.00	238,425.00	311,850.00
03/01/35			68,887.50	68,887.50	
09/01/35	170,000	5.50%	68,887.50	238,887.50	307,775.00
03/01/36			64,212.50	64,212.50	
09/01/36	180,000	5.50%	64,212.50	244,212.50	308,425.00
03/01/37			59,262.50	59,262.50	
09/01/37	190,000	5.50%	59,262.50	249,262.50	308,525.00
03/01/38			54,037.50	54,037.50	
09/01/38	200,000	5.50%	54,037.50	254,037.50	308,075.00

SEMIANNUAL DEBT SERVICE - 2018 ISSUE

City of Hermosa Beach
2018 Sewer Funding Project
(30-Year Term w/\$3M City Contribution)

Date	Principal	Coupon	Interest	Semiannual Debt Service	Fiscal Year Debt Service
09/01/18					
03/01/19			147,875.00	147,875.00	
09/01/19	55,000	6.50%	147,875.00	202,875.00	350,750.00
03/01/20			146,087.50	146,087.50	
09/01/20	55,000	6.50%	146,087.50	201,087.50	347,175.00
03/01/21			144,300.00	144,300.00	
09/01/21	60,000	6.50%	144,300.00	204,300.00	348,600.00
03/01/22			142,350.00	142,350.00	
09/01/22	65,000	6.50%	142,350.00	207,350.00	349,700.00
03/01/23			140,237.50	140,237.50	
09/01/23	70,000	6.50%	140,237.50	210,237.50	350,475.00
03/01/24			137,962.50	137,962.50	
09/01/24	70,000	6.50%	137,962.50	207,962.50	345,925.00
03/01/25			135,687.50	135,687.50	
09/01/25	75,000	6.50%	135,687.50	210,687.50	346,375.00
03/01/26			133,250.00	133,250.00	
09/01/26	80,000	6.50%	133,250.00	213,250.00	346,500.00
03/01/27			130,650.00	130,650.00	
09/01/27	85,000	6.50%	130,650.00	215,650.00	346,300.00
03/01/28			127,887.50	127,887.50	
09/01/28	95,000	6.50%	127,887.50	222,887.50	350,775.00
03/01/29			124,800.00	124,800.00	
09/01/29	100,000	6.50%	124,800.00	224,800.00	349,600.00
03/01/30			121,550.00	121,550.00	
09/01/30	105,000	6.50%	121,550.00	226,550.00	348,100.00
03/01/31			118,137.50	118,137.50	
09/01/31	110,000	6.50%	118,137.50	228,137.50	346,275.00
03/01/32			114,562.50	114,562.50	
09/01/32	120,000	6.50%	114,562.50	234,562.50	349,125.00
03/01/33			110,662.50	110,662.50	
09/01/33	125,000	6.50%	110,662.50	235,662.50	346,325.00
03/01/34			106,600.00	106,600.00	
09/01/34	135,000	6.50%	106,600.00	241,600.00	348,200.00
03/01/35			102,212.50	102,212.50	
09/01/35	145,000	6.50%	102,212.50	247,212.50	349,425.00
03/01/36			97,500.00	97,500.00	
09/01/36	155,000	6.50%	97,500.00	252,500.00	350,000.00
03/01/37			92,462.50	92,462.50	
09/01/37	165,000	6.50%	92,462.50	257,462.50	349,925.00
03/01/38			87,100.00	87,100.00	
09/01/38	175,000	6.50%	87,100.00	262,100.00	349,200.00
03/01/39			81,412.50	81,412.50	
09/01/39	185,000	6.50%	81,412.50	266,412.50	347,825.00
03/01/40			75,400.00	75,400.00	
09/01/40	200,000	6.50%	75,400.00	275,400.00	350,800.00
03/01/41			68,900.00	68,900.00	
09/01/41	210,000	6.50%	68,900.00	278,900.00	347,800.00

COMBINED ANNUAL DEBT SERVICE

City of Hermosa Beach
 2015 Sewer Funding Project
 (30-Year Term w/\$3M City Contribution)

Date	2015 Issue Debt Service	2018 Issue Debt Service	Combined Debt Service
09/01/15			
09/01/16	307,500.00		307,500.00
09/01/17	309,200.00		309,200.00
09/01/18	310,625.00		310,625.00
09/01/19	311,775.00	350,750.00	662,525.00
09/01/20	312,650.00	347,175.00	659,825.00
09/01/21	308,250.00	348,600.00	656,850.00
09/01/22	308,850.00	349,700.00	658,550.00
09/01/23	309,175.00	350,475.00	659,650.00
09/01/24	309,225.00	345,925.00	655,150.00
09/01/25	309,000.00	346,375.00	655,375.00
09/01/26	308,500.00	346,500.00	655,000.00
09/01/27	307,725.00	346,300.00	654,025.00
09/01/28	311,675.00	350,775.00	662,450.00
09/01/29	310,075.00	349,600.00	659,675.00
09/01/30	308,200.00	348,100.00	656,300.00
09/01/31	311,050.00	346,275.00	657,325.00
09/01/32	308,350.00	349,125.00	657,475.00
09/01/33	310,375.00	346,325.00	656,700.00
09/01/34	311,850.00	348,200.00	660,050.00
09/01/35	307,775.00	349,425.00	657,200.00
09/01/36	308,425.00	350,000.00	658,425.00
09/01/37	308,525.00	349,925.00	658,450.00
09/01/38	308,075.00	349,200.00	657,275.00
09/01/39	312,075.00	347,825.00	659,900.00
09/01/40	310,250.00	350,800.00	661,050.00
09/01/41	307,875.00	347,800.00	655,675.00
09/01/42	309,950.00	349,150.00	659,100.00
09/01/43	311,200.00	349,525.00	660,725.00
09/01/44	311,625.00	348,925.00	660,550.00
09/01/45	311,225.00	347,350.00	658,575.00
09/01/46		349,800.00	349,800.00
09/01/47		345,950.00	345,950.00
09/01/48		346,125.00	346,125.00
Total	9,291,050.00	10,452,000.00	19,743,050.00

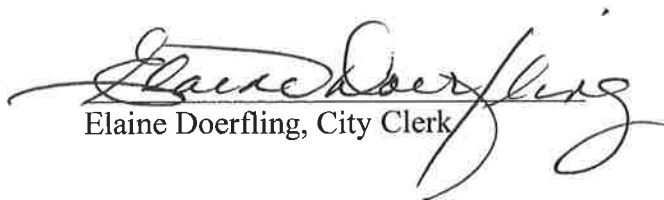
STATE OF CALIFORNIA
COUNTY OF LOS ANGELES
CITY OF HERMOSA BEACH

I, Elaine Doerfling, City Clerk of the City of Hermosa Beach, California, do hereby certify that the foregoing Resolution No. 15-6954 was duly and regularly passed, approved and adopted by the City Council of the City of Hermosa Beach at a Regular Meeting of said Council at the regular place thereof on April 28, 2015.

The vote was as follows:

AYES: Barragan, DiVirgilio, Petty, Mayor Tucker
NOES: Fangary
ABSTAIN: None
ABSENT: None

Dated April 28, 2015


Elaine Doerfling, City Clerk