



STAFF REPORT

Report To: Board of Supervisors

Meeting Date: 11/16/17

Staff Contact: Jason Link, Chief Financial Officer

Agenda Title: For Possible Action: To adopt a resolution of intent, proposing the issuance of, and authorizing the publication of notices relating to general obligation (limited tax) sewer bonds (additionally secured by pledged revenues), in the aggregate principal amount not to exceed \$4,875,000, for the purpose of financing sewer projects for the City; providing the manner, form and contents of the notices; authorizing the City Manager or the City's Chief Financial Officer to arrange for the sale of the Bonds; and providing the effective date.

Staff Summary: Staff is recommending the Board of Supervisors approve a resolution of intent to issue general obligation (limited tax) sewer bonds (additionally secured by pledged revenues) and authorize the City Manager or the City's Chief Financial Officer to arrange for the sale of the bonds.

Pursuant to NRS 350.087, this Resolution must be adopted by a two-thirds vote of the Board of Supervisors.

Agenda Action: Resolution

Time Requested: 10 minutes

Proposed Motion

I move to adopt Resolution #_____, a Resolution of Intent, proposing the issuance of, and authorizing the publication of notices relating to general obligation (limited tax) sewer bonds (additionally secured by pledged revenues), in the aggregate principal amount not to exceed \$4,875,000, for the purpose of financing sewer projects for the City; providing the manner, form and contents of the notices; authorizing the City Manager or the City's Chief Financial Officer to arrange for the sale of the Bonds; and providing the effective date.

Board's Strategic Goal

Sustainable Infrastructure

Previous Action

8/3/17 - The Board directed staff to begin the process of pursuing a 20 year bond in the amount of \$4,875,000 to support stormwater capital expenses. A one-time Stormwater rate increase of 30 percent will be used to support the debt service on the bond.

10/19/17 - Board approved Resolution #2017-R-36, a resolution directing staff to notify the Debt Management Commission of the City's intent to issue sewer general obligation bonds, in an amount not to exceed \$4,875,000.

11/07/17 - Debt Management Commission approved.

Background/Issues & Analysis

Pursuant to 7.030 of the Charter, the City is authorized to borrow money for any corporate purpose and to evidence such borrowing by the issuance of bonds or other securities pursuant to the Local Government Securities Law. The Board proposes to issue general obligation sewer bonds in the aggregate principal amount

not to exceed \$4,875,000 for the purpose of capital projects included in the Stormwater 10 Year Capital Improvement Plan presented to the Board on August 3, 2017.

Applicable Statute, Code, Policy, Rule or Regulation

NRS Chapter 350 and 244A

Financial Information

Is there a fiscal impact? ☒ Yes ☐ No

If yes, account name/number: Estimated annual debt service payments of approximately \$370,000 for 20 years from the Stormwater Drainage Fund.

Is it currently budgeted? ☐ Yes ☒ No

Explanation of Fiscal Impact: Final amounts of bond proceeds, issuance costs, debt service and capital projects will be added to the Stormwater Drainage Fund Budget through a budget augmentation in FY 2018.

Alternatives

Elect to not pursue the financing and accumulate funds to do projects on a pay as you go basis.

Board Action Taken:

Motion: _____

1) _____
2) _____

Aye/Nay

(Vote Recorded By)

Summary - a resolution of intent to issue general obligation (limited tax) sewer bonds (additionally secured by pledged revenues).

RESOLUTION NO. _____

A RESOLUTION OF INTENT, PROPOSING THE ISSUANCE OF, AND AUTHORIZING THE PUBLICATION OF NOTICES RELATING TO GENERAL OBLIGATION (LIMITED TAX) SEWER BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES) FOR THE PURPOSE OF FINANCING SEWER PROJECTS FOR THE CITY; PROVIDING THE MANNER, FORM AND CONTENTS OF THE NOTICES; AUTHORIZING THE CITY MANAGER OR THE CITY’S CHIEF FINANCIAL OFFICER TO ARRANGE FOR THE SALE OF THE BONDS; PROVIDING OTHER MATTERS PROPERLY RELATED THERETO; AND PROVIDING THE EFFECTIVE DATE HEREOF.

WHEREAS, the Board of Supervisors of Carson City (the “Board”) proposes to issue up to \$4,875,000 of general obligation sewer bonds (additionally secured by pledged sewer revenues) (respectively, the “Pledged Revenues” and the “Bonds”); and

WHEREAS, the Board proposes to incur these Bonds without an election unless a petition signed by the requisite number of registered voters of the City is presented to the Board requiring the Board to submit to the qualified electors of the City for their approval or disapproval the following proposal:

GENERAL OBLIGATION SEWER BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES) PROPOSAL:

Shall the Board of Supervisors of Carson City, Nevada, be authorized to incur a general obligation indebtedness (additionally secured by pledged revenues) on behalf of the City by the issuance at one time, or from time to time, of the City’s general obligation sewer bonds, in one series or more, in the aggregate principal amount of not exceeding \$4,875,000 for the purpose of acquiring, constructing, improving and equipping City sewerage projects as defined in NRS 244A.0505, which includes drainage and flood control projects, such bonds to mature not later than thirty (30) years from the date or respective dates of the bonds, payable from general (ad valorem) taxes

(except to the extent pledged revenues and other monies are available therefor), and to be issued and sold at, above, or below par at an effective interest rate (including any sale discount) not exceeding the statutory maximum rate, if any, as shall be determined at the time of the sale thereof, and otherwise to be issued in such manner, upon such terms and conditions, with such covenants and agreements, and with such other detail as the Board may determine, including at its option but not necessarily limited to provisions for the redemption of bonds prior to maturity without or with the payment of a premium?

(the “Proposal”); and

WHEREAS, pursuant to Nevada Revised Statutes (“NRS”) 350.011 to 350.0165, inclusive, the Board has submitted the Proposal to the Debt Management Commission of Carson City (the “Commission”); and

WHEREAS, the Commission has heretofore approved the Proposal; and

WHEREAS, the Board has determined and hereby determines that the Pledged Revenues will at least equal the amount required in each year for the payment of interest and principal on the Bonds and an ad valorem tax is not expected to be necessary to pay the principal of and interest on such Bonds during the term thereof; and

WHEREAS, subsection 3 of NRS 350.020 in effect provides that if the payment of a general obligation of the City is additionally secured by a pledge of the revenues of a project to be financed by its issue, and the governing body (i.e., the Board) determines that the pledged revenues will at least equal the amount required in each year for the payment of interest and principal, the City may incur the general obligations without an election, unless a petition requesting an election signed by 5% of the registered voters of the City is presented to the Board within 90 days after the publication of a notice of the adoption of this resolution of intent; and

WHEREAS, subsection 3 of NRS 350.020 also requires that a public hearing be held before the Bonds are issued.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF CARSON CITY, NEVADA:

Section 1. This resolution shall be known as and may be cited by the short title “2017 Resolution of Intent to Issue Sewer Bonds” (this “Resolution”).

Section 2. The officers of the City be, and they hereby are, authorized and directed to publish a notice of the adoption of the resolution of intent relating to the Board's Proposal to issue the Bonds in a newspaper of general circulation in the City, at least once, such notice to be published in substantially the following form:

(Form of Notice of Intent for Publication)

NOTICE OF THE INTENT OF THE BOARD OF SUPERVISORS OF CARSON CITY, NEVADA, TO ISSUE GENERAL OBLIGATION (LIMITED TAX) SEWER BONDS OF THE CITY ADDITIONALLY SECURED BY PLEDGED REVENUES

NOTICE IS HEREBY GIVEN that the Board of Supervisors of Carson City (the “Board” and the “City”) Nevada, by a resolution, passed, adopted and approved on November 16, 2017, and designated in Section 1 thereof by the short title “2017 Resolution of Intent to Issue Sewer Bonds” has proposed the issuance of the City’s general obligation (limited tax) sewer bonds (additionally secured by pledged revenues) (the “Bonds”) designated below, as follows:

GENERAL OBLIGATION SEWER BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES) PROPOSAL:

Shall the Board of Supervisors of Carson City, Nevada, be authorized to incur a general obligation indebtedness (additionally secured by pledged revenues) on behalf of the City by the issuance at one time, or from time to time, of the City’s general obligation sewer bonds, in one series or more, in the aggregate principal amount of not exceeding \$4,875,000 for the purpose of acquiring, constructing, improving and equipping City sewerage projects as defined in NRS 244A.0505, which includes drainage and flood control projects, such bonds to mature not later than thirty (30) years from the date or respective dates of the bonds, payable from general (ad valorem) taxes (except to the extent pledged revenues and other monies are available therefor), and to be issued and sold at, above, or below par at an effective interest rate (including any sale discount) not exceeding the statutory maximum rate, if any, as shall be determined at the time of the sale thereof, and otherwise to be issued in such manner, upon such terms and conditions, with such covenants and agreements, and with such other detail as the Board may determine, including at its option but not necessarily limited to provisions for the redemption of bonds prior to maturity without or with the payment of a premium?

(the “Proposal”); and

The above Proposal was approved by the Debt Management Commission of Carson City, Nevada.

The Board has determined that the Bonds to be issued for the purpose of financing sewer projects for the City (as further described in the above Proposal) will be additionally secured by a pledge of the “pledged revenues”. The Board has, in addition, determined, based upon a revenue study, that the pledged revenues will at least equal the amount required in each year for the payment of the interest on and the principal of the Bonds.

Based upon these determinations, the Board intends to incur these general obligations as set forth above without an election as provided in subsection 3 of Nevada Revised Statutes (“NRS”) 350.020, unless within ninety (90) days after the publication of this notice a petition requesting an election is presented to the City Clerk on behalf of the Board signed by not fewer than five percent (5%) of the registered voters of the City. The number of registered voters is to be determined as of the close of registration for the last preceding general election.

At a meeting or meetings of the Board, the Board shall proceed to adopt an ordinance or ordinances authorizing the issuance of the Bonds. Such ordinance or ordinances authorizing the issuance of the Bonds will be effective unless prior to 9:00 a.m. on February 20, 2018, a petition is presented to the City Clerk on behalf of the Board asking for the Board to hold an election upon the question of whether or not the proposed Bonds, shall be incurred. The petition for an election herein referred to may be filed with the City Clerk on behalf of the Board no later than 9:00 a.m. on February 20, 2018, at the City Clerk’s Office, 885 East Musser Street, Suite 1028, Carson City, Nevada, during regular office hours of the City Clerk. In the event such petition is presented, no such ordinance or ordinances shall be effective except pursuant to an election called and held for such purpose and carried by a majority of the votes cast. In the event no such petition is presented, the Bonds will be authorized as described above. The ordinance or ordinances authorizing the Bonds will, in addition, contain provisions for additionally securing the payment of the general obligations by pledging the pledged revenues designated above and in the Proposal to the payment of the Bonds.

The authority to issue the Bonds if conferred at an election or if conferred by the fact no petition is presented to the City Clerk requesting such an election within ninety (90) days of the date of publication hereof shall be deemed to be a continuing authority and the Board shall be authorized to sell the Bonds at such time or times and upon such terms and conditions as it deems proper in accordance with the provisions of the Proposal and the laws of the State of Nevada.

All persons interested are hereby advised that further information regarding the projects to be financed by the Bonds, the Bonds and the revenues to be pledged to the Bonds, and all proceedings in the premises, are on file in the office of the City Clerk, 885 East Musser Street, Suite 1028, Carson City, Nevada, and can be seen and examined by interested persons during the regular office hours of the City Clerk. All persons interested may also obtain additional information regarding the contents of and filing requirements for the petition herein referred to at the office of the City Clerk, 885 East Musser Street, Suite 1028, Carson City, Nevada, during the regular office hours of the City Clerk.

The determination by the Board that the pledged revenues will at least equal the amount required in each year for the payment of interest and principal on the Bonds becomes conclusive on the last day for filing the petition, i.e., on February 20, 2018, at 9:00 a.m.

BY ORDER of the Board of Supervisors of Carson City, Nevada.

DATED this November 16, 2017.

PUBLICATION DATE: November 19, 2017

/s/ Susan Merriwether
City Clerk

(End of Form of Notice of Intent)

Section 3. The City Clerk is authorized and directed to publish a notice of public hearing three times, once each week for three consecutive weeks, the third publication to be made at least 10 days before the date of the public hearing described in the following notice, in a newspaper of general circulation in the City, at least as large as 5 inches high by 4 inches wide, in substantially the following form:

**NOTICE OF PUBLIC HEARING ON THE INTENT OF
CARSON CITY, NEVADA, TO ISSUE GENERAL
OBLIGATION (LIMITED TAX) SEWER BONDS
(ADDITIONALLY SECURED BY PLEDGED REVENUES).**

NOTICE IS HEREBY GIVEN that the Board of Supervisors (the “Board”) of Carson City (the “City”), Nevada, by a resolution, passed, adopted, signed and approved on November 16, 2017, and designated in Section 1 thereof by the short title “2017 Resolution of Intent to Issue Sewer Bonds” has proposed the issuance of the City’s general obligation (limited tax) sewer bonds (additionally secured by pledged revenues) (the “Bonds”) designated below, as follows:

GENERAL OBLIGATION SEWER BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES) PROPOSAL:

Shall the Board of Supervisors of Carson City, Nevada, be authorized to incur a general obligation indebtedness (additionally secured by pledged revenues) on behalf of the City by the issuance at one time, or from time to time, of the City’s general obligation sewer bonds, in one series or more, in the aggregate principal amount of not exceeding \$4,875,000 for the purpose of acquiring, constructing, improving and equipping City sewerage projects as defined in NRS 244A.0505, which includes drainage and flood control projects, such bonds to mature not later than thirty (30) years from the date or respective dates of the bonds, payable from general (ad valorem) taxes (except to the extent pledged revenues and other monies are available therefor), and to be issued and sold at, above, or below par at an effective interest rate (including any sale discount) not exceeding the statutory maximum rate, if any, as shall be determined at the time of the sale thereof, and otherwise to be issued in such manner, upon such terms and conditions, with such covenants and agreements, and with such other detail as the Board may determine, including at its option but not necessarily limited to provisions for the redemption of bonds prior to maturity without or with the payment of a premium?

(the “Proposal”); and

The above Proposal was previously approved by the Debt Management Commission of Carson City, Nevada.

The Board has determined that the Bonds to be issued for the purpose of financing sewer projects for the City (as further described in the above Proposal) will be additionally secured by a pledge of the “pledged revenues.” The Board has, in addition, determined, based upon a revenue study, that the pledged revenues will at least equal the amount required in each year for the payment of the interest on and the principal of the Bonds.

All persons interested are hereby advised that the Board will hold a public hearing on the Proposal at a regular meeting to be held on January 4, 2018 at the hour of 8:30 a.m. at the Community Center, 851 East William, Carson City, Nevada. All persons are invited to attend and to be heard regarding the Proposal. Further information regarding the Proposal, the Project to be financed by the Bonds, the Bonds and the revenues to be pledged to the Bonds, and all proceedings, are on file in the office of the City Clerk, 885 East Musser Street, Suite 1028, Carson City, Nevada, and can be seen and examined by interested persons during the regular office hours of the City Clerk.

BY ORDER of the Board of Supervisors, Carson City, Nevada.

DATED this November 16, 2017.

PUBLICATION DATES: November 26, 2017; December 3, 2017; and December 10, 2017.

/s/ Susan Merriwether
City Clerk
Carson City, Nevada

(End of Form of Notice of Public Hearing)

Section 4. A public hearing on the Bonds is hereby ordered to be held before the Board at the time, date and place specified in the notice set forth in Section 3 hereof, or at such date designated by the City Manager or the Chief Financial Officer.

Section 5. The Bonds, in the event no petition is filed during the period allowed by NRS 350.020(3), shall be authorized by an ordinance or ordinances to be effective after the expiration of the 90-day petition period.

Section 6. The authority to issue the Bonds shall be deemed and considered a continuing authority to issue and deliver the Bonds designated in such Proposal at one time or from time to time, in one series or in more than one series, all as ordered by the Board. Neither the partial exercise of the authority so conferred nor the lapse of time shall be considered as exhausting or limiting the full authority so conferred.

Section 7. The City Manager or the Chief Financial Officer or a designee is hereby authorized to arrange for the issuance and sale of the Bonds in one or more series not to exceed the aggregate principal amount of \$4,875,000, in accordance with the City's debt management policy, the Project Act and the Bond Act.

Section 8. The City Manager or the Chief Financial Officer shall, after arranging for the sale of the Bonds, present the terms of the Bonds to the Board for its approval by adoption of the ordinance or ordinances authorizing the issuance of the Bonds.

Section 9. The officers of the City be, and they hereby are, authorized and directed to take all action necessary or appropriate to effectuate the provisions of this Resolution, including without limitation, requesting the State to purchase the Bonds pursuant to one or more of its programs, assembling of financial and other information concerning the City, the Pledged Revenues and the Bonds, and, if applicable, circulating a preliminary official statement, a notice of bond sale for the Bonds, or both, in the forms specified by the City Manager, the Chief Financial Officer or such officer's designee. If applicable, the City Manager, the Chief Financial Officer or such officer's designee is authorized to deem the preliminary official statement to be a "final" official statement on behalf of the City for the purposes of Rule 15(c)2-12 of the Securities and Exchange Commission.

Section 10. All resolutions, or parts thereof, in conflict with the provisions of this Resolution, are hereby repealed to the extent only of such inconsistency. This repealer shall not be constructed to revive any resolution, or part thereof, heretofore repealed.

Section 11. If any section, paragraph, clause or other provision of this Resolution shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or other provision shall not affect any of the remaining provisions of this Resolution.

Section 12. This Resolution shall become effective and be in force immediately upon its adoption.

PASSED AND APPROVED BY AT LEAST A TWO-THIRDS MAJORITY OF
THE BOARD OF SUPERVISORS OF CARSON CITY, NEVADA, THIS NOVEMBER 16, 2017.

Mayor

Attest:

City Clerk

STATE OF NEVADA)
) ss.
CARSON CITY)

I am the duly chosen, qualified and acting Clerk of Carson City (the “City”), in the State of Nevada, and do hereby certify:

1. The foregoing pages constitute a true, correct, complete and compared copy of a resolution passed and adopted by the Board of Supervisors of the City (the “Board”) at a meeting of the Board held on November 16, 2017, a copy of which is set forth therein.

2. The original of the resolution has been approved and authenticated by the signatures of the Mayor of the City and myself as City Clerk and has been recorded in the journal of the Board kept for that purpose in my office, which record has been duly signed by the officers and properly sealed.

3. The members of the Board voted on the passage of the resolution as set forth below:

Those Voting Aye:

Those Voting Nay:

Those Absent:

4. All members of the Board were given due and proper notice of such meeting. Pursuant to NRS 241.020, Nevada Revised Statutes, written notice of the meeting including the time, place, location, and agenda of the meeting was given:

(a) By delivering a copy of the notice to each member of the Board;

(b) By posting a copy of the notice on the City’s website, the State of Nevada’s official website, at the principal office of the Board, or if there is not principal office, at the building in which the

meeting is to be held, and at least three other separate, prominent places within the jurisdiction of the Board, to-wit:

- (i) Community Center
851 East William
Carson City, Nevada
- (ii) Public Safety Complex
885 East Musser Street
Carson City, Nevada
- (iii) City Hall
201 North Carson Street
Carson City, Nevada
- (iv) Carson City Library
900 North Roop Street
Carson City, Nevada
- (v) Business Resource & Innovation Center (BRIC)
108 East Proctor Street
Carson City, Nevada

and

(c) By delivering a copy of the notice to each person, if any, who has requested notice of the meetings of the Board in the accordance with the provisions of Chapter 241 of NRS.

5. A copy of such notice as posted and delivered is attached hereto as Exhibit A. A copy of a proof and statement of publication of the notice of resolution of intent is attached hereto as Exhibit B, and a copy of a proof and statement of publication of the notice of public hearing is attached hereto as Exhibit C.

IN WITNESS WHEREOF, I have hereunto set my hand this November 16, 2017.

Clerk

EXHIBIT "A"

(Attach Copy of Notice of Meeting)

EXHIBIT “B”

(Attach Proof and Statement of Publication of Notice of Resolution of Intent)

EXHIBIT “C”

(Attach Proof and Statement of Publication of Notice of Hearing)

Carson City, Nevada
General Obligation (Limited Tax)
Stormwater Drainage Bonds, Series 2018
Revenue Sufficiency Analysis (Combined Sewer & Drainage)

FY Ending June 30	Pledged Revenues¹	Existing Debt Service²	Proposed Bonds		Combined		
			Principal	Interest³	Total	Debt Service	Coverage
2017	\$7,537,145						
2018	9,193,241	\$4,295,488	\$0	\$0	\$0	\$4,295,488	2.140
2019	9,193,241	4,949,826	130,000	237,604	367,604	5,317,430	1.729
2020	9,193,241	4,719,227	155,000	213,675	368,675	5,087,902	1.807
2021	9,193,241	4,726,230	165,000	205,675	370,675	5,096,905	1.804
2022	9,193,241	4,725,179	170,000	197,300	367,300	5,092,479	1.805
2023	9,193,241	4,720,838	180,000	188,550	368,550	5,089,388	1.806
2024	9,193,241	4,729,131	190,000	179,300	369,300	5,098,431	1.803
2025	9,193,241	4,437,359	200,000	169,550	369,550	4,806,909	1.913
2026	9,193,241	4,011,272	210,000	159,300	369,300	4,380,572	2.099
2027	9,193,241	4,008,559	220,000	148,550	368,550	4,377,109	2.100
2028	9,193,241	4,009,047	230,000	137,300	367,300	4,376,347	2.101
2029	9,193,241	4,007,597	245,000	125,425	370,425	4,378,022	2.100
2030	9,193,241	4,013,731	255,000	112,925	367,925	4,381,656	2.098
2031	9,193,241	3,825,247	270,000	99,800	369,800	4,195,047	2.191
2032	9,193,241	3,727,415	285,000	85,925	370,925	4,098,340	2.243
2033	9,193,241	3,565,794	295,000	72,900	367,900	3,933,694	2.337
2034	9,193,241	3,565,709	310,000	60,800	370,800	3,936,509	2.335
2035	9,193,241	1,727,332	320,000	48,200	368,200	2,095,532	4.387
2036	9,193,241	850,457	335,000	35,100	370,100	1,220,557	7.532
2037	9,193,241	431,262	350,000	21,400	371,400	802,662	11.453
2038	9,193,241	432,172	360,000	7,200	367,200	799,372	11.501
2039	9,193,241	0	0	0	0	0	n/a
2040	9,193,241	0	0	0	0	0	n/a
2041	9,193,241	0	0	0	0	0	n/a
2042	9,193,241	0	0	0	0	0	n/a
		<u>\$75,478,871</u>	<u>\$4,875,000</u>	<u>\$2,506,479</u>	<u>\$7,381,479</u>	<u>\$82,860,349</u>	

¹ Based on the City's final 2017-18 budget, including impact of 30% storm water rate increase approved by the Board on October 19, 2017.

² Includes pro-forma debt on the Series 2017B Sewer Bonds which are expected to close on 11/7/17.

³ Interest rate estimated at 4.40%.

Exhibit 1 - Storm Water Capital Improvement Plan

Storm Water 10 Year CIP				
7/6/2017				
	Project Name	Estimated Expense		
1	Lakeview SD Improvements	\$ 250,000		
2	Kings Canyon Channel Maintenance Project (Roop to Saliman)	\$ 110,000		
3	Kings Canyon Road Culvert Upgrade (at Creek Crossing)	\$ 90,000		
4	Carson Street SD Improvements (Fairview to Clearview)	\$ 900,000		
5	Carson Street SD Improvements (5th to Stewart and Curry Street)	\$ 2,900,000		
6	Minor SD Improvements	\$ 625,000		
	Subtotal	4,875,000		
7	Nye/N. Carson Steet Channel Berms	\$ 85,000		
8	Flood Emergency Equipment	\$ 800,000		
9	Anderson Ranch Access and SD Improvements	\$ 100,000		
10	SD Fleet	\$ 1,089,000		
11	Lower Kings Canyon Channel Restoration Project	\$ 400,000		
12	Lower Goni Wash SD Improvements	\$ 115,000		
13	Airport Road SD Improvements (HWY 50 to Sherman)	\$ 350,000		
14	Rand Avenue SD Improvements (William to Rand Ct)	\$ 200,000		
15	Vicee Watershed Access Management	\$ 150,000		
16	Carson Street SD Improvements (Stewart to Rhodes)	\$ 950,000		
17	Carmine Street SD Improvements (N. Lompa to Bunch Way)	\$ 600,000		
18	Panamint & Merrimac SD Improvements	\$ 150,000		
19	Sean Drive SD Improvements (Baker to Gillis Way)	\$ 120,000		
20	Carson Street SD Improvements (N. Carson Street to Nye)	\$ 450,000		
21	Empire System SD Improvements (Gordon Street to Morgan Mill)	\$ 1,100,000		
22	Voltaire Canyon Channel and System Improvements - phase 1	\$ 1,000,000		
	Totals	\$ 4,875,000	\$ 7,659,000	= \$ 12,534,000

Carson City, Nevada
General Obligation (Limited Tax)
Stormwater Drainage Bonds, Series 2018
Revenue Sufficiency Analysis (Stormwater System)

FY Ending June 30	Pledged Revenues¹	Existing Debt Service	Proposed Bonds			Combined Debt Service	Coverage
			Principal	Interest²	Total		
2017	\$724,784						
2018	1,131,540	\$498,947	\$0	\$0	\$0	\$498,947	2.268
2019	1,131,540	499,092	130,000	237,604	367,604	866,695	1.306
2020	1,131,540	499,009	155,000	213,675	368,675	867,684	1.304
2021	1,131,540	498,699	165,000	205,675	370,675	869,374	1.302
2022	1,131,540	499,160	170,000	197,300	367,300	866,460	1.306
2023	1,131,540	499,369	180,000	188,550	368,550	867,919	1.304
2024	1,131,540	499,325	190,000	179,300	369,300	868,625	1.303
2025	1,131,540	499,028	200,000	169,550	369,550	868,578	1.303
2026	1,131,540	71,478	210,000	159,300	369,300	440,778	2.567
2027	1,131,540	71,478	220,000	148,550	368,550	440,028	2.572
2028	1,131,540	71,478	230,000	137,300	367,300	438,778	2.579
2029	1,131,540	71,478	245,000	125,425	370,425	441,903	2.561
2030	1,131,540	71,478	255,000	112,925	367,925	439,403	2.575
2031	1,131,540	71,478	270,000	99,800	369,800	441,278	2.564
2032	1,131,540	71,478	285,000	85,925	370,925	442,403	2.558
2033	1,131,540	71,478	295,000	72,900	367,900	439,378	2.575
2034	1,131,540	71,478	310,000	60,800	370,800	442,278	2.558
2035	1,131,540	0	320,000	48,200	368,200	368,200	3.073
2036	1,131,540	0	335,000	35,100	370,100	370,100	3.057
2037	1,131,540	0	350,000	21,400	371,400	371,400	3.047
2038	1,131,540	0	360,000	7,200	367,200	367,200	3.082
2039	1,131,540	0	0	0	0	0	n/a
2040	1,131,540	0	0	0	0	0	n/a
2041	1,131,540	0	0	0	0	0	n/a
2042	1,131,540	0	0	0	0	0	n/a
		<u>\$4,635,931</u>	<u>\$4,875,000</u>	<u>\$2,506,479</u>	<u>\$7,381,479</u>	<u>\$12,017,410</u>	

¹ Based on the City's final 2017-18 budget, including impact of 30% storm water rate increase approved by the Board on October 19, 2017.

² Interest rate estimated at 4.40%.