

## SOURCES AND USES OF FUNDS

City of Sparks, NV Local Improvement District No. 3  
Sparks LID Refunding 12-22-2016 (3.88%)  
Interest Rate Estimate as of 12-1-2016  
2027 Final Maturity

Dated Date 12/22/2016  
Delivery Date 12/22/2016

## Sources:

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Bond Proceeds:	
Par Amount	13,536,762.00
Other Sources of Funds:	
Reserve Fund	1,776,269.89
Accrued Interest Pmt March 1, 2017	448,825.00
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	2,225,094.89
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	15,761,856.89
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## Uses:

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Refunding Escrow Deposits:	
Cash Deposit	0.73
SLGS Purchases	14,948,518.00
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	14,948,518.73
Other Fund Deposits:	
Debt Service Reserve Fund	676,838.10
Delivery Date Expenses:	
Cost of Issuance	136,500.00
Other Uses of Funds:	
Additional Proceeds	0.06
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	15,761,856.89
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## SUMMARY OF REFUNDING RESULTS

City of Sparks, NV Local Improvement District No. 3  
Sparks LID Refunding 12-22-2016 (3.88%)  
Interest Rate Estimate as of 12-1-2016  
2027 Final Maturity

Dated Date	12/22/2016
Delivery Date	12/22/2016
Arbitrage yield	3.878172%
Escrow yield	0.992334%
Value of Negative Arbitrage	643,586.48
Bond Par Amount	13,536,762.00
True Interest Cost	3.878172%
Effective Interest Cost	3.878172%
Net Interest Cost	3.880000%
All-In TIC	4.069959%
Average Coupon	3.880000%
Average Life	6.167
Weighted Average Maturity	6.167
Duration	5.399
Par amount of refunded bonds	13,440,000.00
Average coupon of refunded bonds	6.724549%
Average life of refunded bonds	6.338
Remaining weighted average maturity of refunded bonds	6.322
PV of prior debt to 12/22/2016 @ 3.878172%	15,789,123.16
Net PV Savings	707,396.56
Percentage savings of refunded bonds	5.263367%
Percentage savings of refunding bonds	5.225744%

## SUMMARY OF BONDS REFUNDED

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Bond	Maturity Date	Interest Rate	Par Amount	Call Date	Call Price
2008 Original Issue, SERIES01:					
TERM2020	09/01/2017	6.500%	865,000.00		
	09/01/2018	6.500%	925,000.00		
	09/01/2019	6.500%	985,000.00	09/01/2018	100.000
	09/01/2020	6.500%	1,045,000.00	09/01/2018	100.000
TERM2027	09/01/2021	6.750%	1,120,000.00	09/01/2018	100.000
	09/01/2022	6.750%	1,195,000.00	09/01/2018	100.000
	09/01/2023	6.750%	1,275,000.00	09/01/2018	100.000
	09/01/2024	6.750%	1,360,000.00	09/01/2018	100.000
	09/01/2025	6.750%	1,455,000.00	09/01/2018	100.000
	09/01/2026	6.750%	1,555,000.00	09/01/2018	100.000
	09/01/2027	6.750%	1,660,000.00	09/01/2018	100.000
			13,440,000.00		

## SAVINGS

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Date	Prior Debt Service	Prior Receipts	Prior Net Cash Flow	Refunding Debt Service	Savings	Annual Savings	Present Value to 12/22/2016 @ 3.8781723%
03/01/2017	448,825.00	448,825.00					
09/01/2017	1,313,825.00		1,313,825.00	1,160,235.57	153,589.43	153,589.43	149,562.70
03/01/2018	420,712.50		420,712.50	247,152.28	173,560.22		165,795.00
09/01/2018	1,345,712.50		1,345,712.50	1,312,773.28	32,939.22	206,499.44	30,866.96
03/01/2019	390,650.00		390,650.00	226,479.23	164,170.77		150,916.11
09/01/2019	1,375,650.00		1,375,650.00	1,333,336.23	42,313.77	206,484.54	38,157.57
03/01/2020	358,637.50		358,637.50	205,006.20	153,631.30		135,905.81
09/01/2020	1,403,637.50		1,403,637.50	1,351,255.20	52,382.30	206,013.60	45,457.14
03/01/2021	324,675.00		324,675.00	182,768.97	141,906.03		120,802.99
09/01/2021	1,444,675.00		1,444,675.00	1,379,739.97	64,935.03	206,841.06	54,226.95
03/01/2022	286,875.00		286,875.00	159,547.73	127,327.27		104,307.80
09/01/2022	1,481,875.00		1,481,875.00	1,402,431.73	79,443.27	206,770.54	63,842.77
03/01/2023	246,543.75		246,543.75	135,435.78	111,107.97		87,590.92
09/01/2023	1,521,543.75		1,521,543.75	1,425,957.78	95,585.97	206,693.94	73,920.91
03/01/2024	203,512.50		203,512.50	110,399.66	93,112.84		70,638.58
09/01/2024	1,563,512.50		1,563,512.50	1,450,055.66	113,456.84	206,569.68	84,434.97
03/01/2025	157,612.50		157,612.50	84,410.33	73,202.17		53,441.04
09/01/2025	1,612,612.50		1,612,612.50	1,478,871.33	133,741.17	206,943.34	95,780.11
03/01/2026	108,506.25		108,506.25	57,357.79	51,148.46		35,933.71
09/01/2026	1,663,506.25		1,663,506.25	1,507,501.79	156,004.46	207,152.92	107,514.18
03/01/2027	56,025.00		56,025.00	29,224.99	26,800.01		18,118.53
09/01/2027	1,716,025.00		1,716,025.00	1,535,667.99	180,357.01	207,157.02	119,613.53
	19,445,150.00	448,825.00	18,996,325.00	16,775,609.49	2,220,715.51	2,220,715.51	1,806,828.29

Savings Summary

PV of savings from cash flow	1,806,828.29
Less: Prior funds on hand	-1,776,269.89
Plus: Refunding funds on hand	676,838.16
Net PV Savings	707,396.56

## SAVINGS

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Date	Prior Debt Service	Prior Receipts	Prior Net Cash Flow	Refunding Debt Service	Savings	Present Value to 12/22/2016 @ 3.8781723%
09/01/2017	1,762,650.00	448,825.00	1,313,825.00	1,160,235.57	153,589.43	149,562.70
09/01/2018	1,766,425.00		1,766,425.00	1,559,925.56	206,499.44	196,661.96
09/01/2019	1,766,300.00		1,766,300.00	1,559,815.46	206,484.54	189,073.69
09/01/2020	1,762,275.00		1,762,275.00	1,556,261.40	206,013.60	181,362.95
09/01/2021	1,769,350.00		1,769,350.00	1,562,508.94	206,841.06	175,029.93
09/01/2022	1,768,750.00		1,768,750.00	1,561,979.46	206,770.54	168,150.57
09/01/2023	1,768,087.50		1,768,087.50	1,561,393.56	206,693.94	161,511.83
09/01/2024	1,767,025.00		1,767,025.00	1,560,455.32	206,569.68	155,073.56
09/01/2025	1,770,225.00		1,770,225.00	1,563,281.66	206,943.34	149,221.15
09/01/2026	1,772,012.50		1,772,012.50	1,564,859.58	207,152.92	143,447.89
09/01/2027	1,772,050.00		1,772,050.00	1,564,892.98	207,157.02	137,732.06
	19,445,150.00	448,825.00	18,996,325.00	16,775,609.49	2,220,715.51	1,806,828.29

Savings Summary

PV of savings from cash flow	1,806,828.29
Less: Prior funds on hand	-1,776,269.89
Plus: Refunding funds on hand	676,838.16
Net PV Savings	707,396.56

BOND SUMMARY STATISTICS

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Dated Date	12/22/2016
Delivery Date	12/22/2016
First Coupon	09/01/2017
Last Maturity	09/01/2027
Arbitrage Yield	3.878172%
True Interest Cost (TIC)	3.878172%
Net Interest Cost (NIC)	3.880000%
All-In TIC	4.069959%
Average Coupon	3.880000%
Average Life (years)	6.167
Duration of Issue (years)	5.399
Par Amount	13,536,762.00
Bond Proceeds	13,536,762.00
Total Interest	3,238,847.49
Net Interest	3,238,847.49
Total Debt Service	16,775,609.49
Maximum Annual Debt Service	1,564,892.98
Average Annual Debt Service	1,569,035.96
Underwriter's Fees (per \$1000)	
Average Takedown	
Other Fee	
Total Underwriter's Discount	
Bid Price	100.000000

Bond Component	Par Value	Price	Average Coupon	Average Life	Duration	PV of 1 bp change
Bond Component	13,536,762.00	100.000	3.880%	6.167	5.399	7,150.68
	13,536,762.00			6.167		7,150.68

	TIC	All-In TIC	Arbitrage Yield
Par Value	13,536,762.00	13,536,762.00	13,536,762.00
+ Accrued Interest			
+ Premium (Discount)			
- Underwriter's Discount			
- Cost of Issuance Expense		-136,500.00	
- Other Amounts			
Target Value	13,536,762.00	13,400,262.00	13,536,762.00
Target Date	12/22/2016	12/22/2016	12/22/2016
Yield	3.878172%	4.069959%	3.878172%

## BOND PRICING

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Bond Component	Maturity Date	Amount	Rate	Yield	Price
Bond Component:					
	09/01/2017	796,954	3.880%	3.880%	100.000
	09/01/2018	1,065,621	3.880%	3.880%	100.000
	09/01/2019	1,106,857	3.880%	3.880%	100.000
	09/01/2020	1,146,249	3.880%	3.880%	100.000
	09/01/2021	1,196,971	3.880%	3.880%	100.000
	09/01/2022	1,242,884	3.880%	3.880%	100.000
	09/01/2023	1,290,522	3.880%	3.880%	100.000
	09/01/2024	1,339,656	3.880%	3.880%	100.000
	09/01/2025	1,394,461	3.880%	3.880%	100.000
	09/01/2026	1,450,144	3.880%	3.880%	100.000
	09/01/2027	1,506,443	3.880%	3.880%	100.000
		13,536,762			

Dated Date	12/22/2016	
Delivery Date	12/22/2016	
First Coupon	09/01/2017	
Par Amount	13,536,762.00	
Original Issue Discount		
Production	13,536,762.00	100.000000%
Underwriter's Discount		
Purchase Price	13,536,762.00	100.000000%
Accrued Interest		
Net Proceeds	13,536,762.00	

## BOND DEBT SERVICE

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service
09/01/2017	796,954	3.880%	363,281.57	1,160,235.57	1,160,235.57
03/01/2018			247,152.28	247,152.28	
09/01/2018	1,065,621	3.880%	247,152.28	1,312,773.28	1,559,925.56
03/01/2019			226,479.23	226,479.23	
09/01/2019	1,106,857	3.880%	226,479.23	1,333,336.23	1,559,815.46
03/01/2020			205,006.20	205,006.20	
09/01/2020	1,146,249	3.880%	205,006.20	1,351,255.20	1,556,261.40
03/01/2021			182,768.97	182,768.97	
09/01/2021	1,196,971	3.880%	182,768.97	1,379,739.97	1,562,508.94
03/01/2022			159,547.73	159,547.73	
09/01/2022	1,242,884	3.880%	159,547.73	1,402,431.73	1,561,979.46
03/01/2023			135,435.78	135,435.78	
09/01/2023	1,290,522	3.880%	135,435.78	1,425,957.78	1,561,393.56
03/01/2024			110,399.66	110,399.66	
09/01/2024	1,339,656	3.880%	110,399.66	1,450,055.66	1,560,455.32
03/01/2025			84,410.33	84,410.33	
09/01/2025	1,394,461	3.880%	84,410.33	1,478,871.33	1,563,281.66
03/01/2026			57,357.79	57,357.79	
09/01/2026	1,450,144	3.880%	57,357.79	1,507,501.79	1,564,859.58
03/01/2027			29,224.99	29,224.99	
09/01/2027	1,506,443	3.880%	29,224.99	1,535,667.99	1,564,892.98
	13,536,762		3,238,847.49	16,775,609.49	16,775,609.49



## SUMMARY OF BONDS REFUNDED

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Bond	Maturity Date	Interest Rate	Par Amount	Call Date	Call Price
2008 Original Issue, SERIES01:					
TERM2020	09/01/2017	6.500%	865,000.00		
	09/01/2018	6.500%	925,000.00		
	09/01/2019	6.500%	985,000.00	09/01/2018	100.000
	09/01/2020	6.500%	1,045,000.00	09/01/2018	100.000
TERM2027	09/01/2021	6.750%	1,120,000.00	09/01/2018	100.000
	09/01/2022	6.750%	1,195,000.00	09/01/2018	100.000
	09/01/2023	6.750%	1,275,000.00	09/01/2018	100.000
	09/01/2024	6.750%	1,360,000.00	09/01/2018	100.000
	09/01/2025	6.750%	1,455,000.00	09/01/2018	100.000
	09/01/2026	6.750%	1,555,000.00	09/01/2018	100.000
	09/01/2027	6.750%	1,660,000.00	09/01/2018	100.000
			13,440,000.00		

## ESCROW SUFFICIENCY

City of Sparks, NV Local Improvement District No. 3  
Sparks LID Refunding 12-22-2016 (3.88%)  
Interest Rate Estimate as of 12-1-2016  
2027 Final Maturity

Date	Escrow Requirement	Net Escrow Receipts	Excess Receipts	Excess Balance
12/22/2016		0.73	0.73	0.73
03/01/2017	448,825.00	448,825.09	0.09	0.82
09/01/2017	1,313,825.00	1,313,824.88	-0.12	0.70
03/01/2018	420,712.50	420,712.71	0.21	0.91
09/01/2018	12,995,712.50	12,995,711.59	-0.91	
	15,179,075.00	15,179,075.00	0.00	

ESCROW STATISTICS

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Total Escrow Cost	Modified Duration (years)	PV of 1 bp change	Yield to Receipt Date	Yield to Disbursement Date	Perfect Escrow Cost	Value of Negative Arbitrage	Cost of Dead Time
Global Proceeds Escrow: 14,948,518.73	1.538	2,298.67	0.992334%	0.992334%	14,304,932.20	643,586.48	0.05
14,948,518.73		2,298.67			14,304,932.20	643,586.48	0.05

Delivery date 12/22/2016  
 Arbitrage yield 3.878172%

## ESCROW DESCRIPTIONS

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Type of Security	Type of SLGS	Maturity Date	First Int Pmt Date	Par Amount	Rate	Max Rate
Dec 22, 2016:						
SLGS	Certificate	03/01/2017	03/01/2017	423,023	0.420%	0.420%
SLGS	Certificate	09/01/2017	09/01/2017	1,241,172	0.680%	0.680%
SLGS	Note	03/01/2018	03/01/2017	353,910	0.850%	0.850%
SLGS	Note	09/01/2018	03/01/2017	12,930,413	1.010%	1.010%
				14,948,518		

SLGS Summary

SLGS Rates File	30NOV16
Total Certificates of Indebtedness	1,664,195.00
Total Notes	13,284,323.00
Total original SLGS	14,948,518.00

## ESCROW CASH FLOW

City of Sparks, NV Local Improvement District No. 3  
 Sparks LID Refunding 12-22-2016 (3.88%)  
 Interest Rate Estimate as of 12-1-2016  
 2027 Final Maturity

Date	Principal	Interest	Net Escrow Receipts	Present Value to 12/22/2016 @ 0.9923336%
03/01/2017	423,023.00	25,802.09	448,825.09	447,974.36
09/01/2017	1,241,172.00	72,652.88	1,313,824.88	1,304,860.28
03/01/2018	353,910.00	66,802.71	420,712.71	415,779.11
09/01/2018	12,930,413.00	65,298.59	12,995,711.59	12,779,904.26
	14,948,518.00	230,556.27	15,179,074.27	14,948,518.00

Escrow Cost Summary

Purchase date	12/22/2016
Purchase cost of securities	14,948,518.00
Target for yield calculation	14,948,518.00

## FORMULA VERIFICATION

City of Sparks, NV Local Improvement District No. 3  
Sparks LID Refunding 12-22-2016 (3.88%)  
Interest Rate Estimate as of 12-1-2016  
2027 Final Maturity

Component	Formula	Value
RES	10% of Par Amount * .50	676,838.10
RES	Maximum annual Debt Service * .50	782,446.49
RES	125% of average annual adjusted Debt Service * .50	980,647.48
RES	Debt Service Reserve Fund	676,838.10

## COST OF ISSUANCE

City of Sparks, NV Local Improvement District No. 3  
Sparks LID Refunding 12-22-2016 (3.88%)  
Interest Rate Estimate as of 12-1-2016  
2027 Final Maturity

Cost of Issuance	\$/1000	Amount
Purchaser Legal Fees	0.92341	12,500.00
Financial Advisory Fees	2.58555	35,000.00
Bond Counsel	3.69365	50,000.00
Other Legal Fees	0.73873	10,000.00
Assessment Engineer	1.47746	20,000.00
Escrow Agent	0.11081	1,500.00
Verification Agent	0.18468	2,500.00
Contingency	0.36936	5,000.00
	10.08365	136,500.00