

Hoof Stock Boiler Replacement @Como Zoo Project Cost Worksheet Agreement

EXHIBIT A

Location: **1286 Kauffman Drive**
 Department: **Park and Recreation**
 Contact: **Joe Buzicky**
 Funding: Energy Conservations Loan Fund 70013706 78380
 Park Fund 70013706 59910

Date: 06/11/18

Estimated Date of Completion 12/31/18

Scope of Work:				Spending			Est. Net Payback Years
Item	Description	Projected Annual Savings	Current Estimated Construction Costs	Utility Rebate Amount	EECBG Grant Funding 35%	Net Estimated Construction Cost	
1	To focus on operation of equipment and associated controls for optimization to reduce energy costs and improve the facility operations.	\$32,000	\$460,000	\$55,000	\$0	\$405,000	12.66
2					\$0	\$0	
3							
TOTALS		\$32,000	\$460,000	\$55,000	\$0	\$405,000	12.66

Project Supervision Costs Summary			Spending	
Fees	Description	Fee	Utility Rebate	Net Cost
	PW/TS/RE/Design Staff - Project Management (2.5%) Consulting Engineer (Edward Cook, PE)			\$0 \$0
TOTAL		\$0	\$0	\$0

Net Project Cost Total (less Rebates & EECBG funding) Funded by Energy Project Loan Funds **\$405,000**

Loan Interest Rate (Treasury Rate)	Term	Base Rate	+ 1%	Loan Rate
	15 Yrs	1.25%	1.00%	2.25%

Repayment Schedule / Fund							
Payment Due	Fund		+ Cash Flow +	Principle Amount	Loan Payment	Interest	Ending Balance
Dec-2019	Initial Loan Balance - 1st year	1	-\$111.85	\$405,000.00	\$32,111.85	\$9,112.50	\$ 382,000.65
Dec-2020	Energy Conservation Investment	2	-\$111.85	\$372,888.15	\$32,111.85	\$8,595.01	\$358,483.81
Dec-2021	Energy Conservation Investment	3	-\$111.85	\$340,776.29	\$32,111.85	\$8,065.89	\$334,437.84
Dec-2022	Energy Conservation Investment	4	-\$111.85	\$308,664.44	\$32,111.85	\$7,524.85	\$309,850.84
Dec-2023	Energy Conservation Investment	5	-\$111.85	\$276,552.59	\$32,111.85	\$6,971.64	\$284,710.63
Dec-2024	Energy Conservation Investment	6	-\$111.85	\$244,440.74	\$32,111.85	\$6,405.99	\$259,004.77
Dec-2025	Energy Conservation Investment	7	-\$111.85	\$212,328.88	\$32,111.85	\$5,827.61	\$232,720.52
Dec-2026	Energy Conservation Investment	8	-\$111.85	\$180,217.03	\$32,111.85	\$5,236.21	\$205,844.88
Dec-2027	Energy Conservation Investment	9	-\$111.85	\$148,105.18	\$32,111.85	\$4,631.51	\$178,364.54
Dec-2028	Energy Conservation Investment	10	-\$111.85	\$115,993.33	\$32,111.85	\$4,013.20	\$150,265.89
Dec-2029	Energy Conservation Investment	11	-\$111.85	\$83,881.47	\$32,111.85	\$3,380.98	\$121,535.02
Dec-2030	Energy Conservation Investment	12	-\$111.85	\$51,769.62	\$32,111.85	\$2,734.54	\$92,157.71
Totals			-\$1,342.23		\$385,342.23	\$72,499.94	

Agreed to by: _____
 Department / Organization: _____ Date: _____
 Title: _____ Signature: _____
 City Energy Coordinator: _____ OFS Account Number: _____

Attachments: Project Description/Scope/Estimate

Energy Loan Amortization Schedule

Enter values	
Loan amount	\$ 405,000.00
Annual interest rate	2.25 %
Loan period in years	15
Number of payments per year	1
Start date of loan	12/31/2018
Optional extra payments	\$ -

Loan summary	
Scheduled payment	\$ 32,111.85
Scheduled number of payments	15
Actual number of payments	15
Total early payments	\$ -
Total interest	\$ 76,677.79

Department	Park and Recreation
Project Name	1286 Kauffman Drive

Pmt No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
1	12/31/2019	\$ 405,000.00	\$ 32,111.85	\$ -	\$ 32,111.85	\$ 22,999.35	\$ 9,112.50	\$ 382,000.65	\$ 9,112.50
2	12/31/2020	382,000.65	32,111.85	-	32,111.85	23,516.84	8,595.01	358,483.81	17,707.51
3	12/31/2021	358,483.81	32,111.85	-	32,111.85	24,045.97	8,065.89	334,437.84	25,773.40
4	12/31/2022	334,437.84	32,111.85	-	32,111.85	24,587.00	7,524.85	309,850.84	33,298.25
5	12/31/2023	309,850.84	32,111.85	-	32,111.85	25,140.21	6,971.64	284,710.63	40,269.90
6	12/31/2024	284,710.63	32,111.85	-	32,111.85	25,705.86	6,405.99	259,004.77	46,675.88
7	12/31/2025	259,004.77	32,111.85	-	32,111.85	26,284.25	5,827.61	232,720.52	52,503.49
8	12/31/2026	232,720.52	32,111.85	-	32,111.85	26,875.64	5,236.21	205,844.88	57,739.70
9	12/31/2027	205,844.88	32,111.85	-	32,111.85	27,480.34	4,631.51	178,364.54	62,371.21
10	12/31/2028	178,364.54	32,111.85	-	32,111.85	28,098.65	4,013.20	150,265.89	66,384.42
11	12/31/2029	150,265.89	32,111.85	-	32,111.85	28,730.87	3,380.98	121,535.02	69,765.40
12	12/31/2030	121,535.02	32,111.85	-	32,111.85	29,377.31	2,734.54	92,157.71	72,499.94
13	12/31/2031	92,157.71	32,111.85	-	32,111.85	30,038.30	2,073.55	62,119.40	74,573.48
14	12/31/2032	62,119.40	32,111.85	-	32,111.85	30,714.17	1,397.69	31,405.23	75,971.17
15	12/31/2033	31,405.23	32,111.85	-	31,405.23	30,698.62	706.62	0.00	76,677.79