



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

101-2018
Proponent Rev 3 8/03/18
New LCCA 8/08/18

Washington State Energy Code Development **Standard Energy Code Proposal Form**

Code being amended: Commercial Provisions Residential Provisions

Code Section # C401.2 & C402.2 REVISED 8/03/2018

Brief Description:

Water heating is one of the largest loads in R-1 (hotels) and R-2 (multifamily) occupancies. It composes around 30% of the total building load in typical multifamily buildings. It therefore represents a tremendous opportunity to improve the efficiency of these occupancies. This is especially important considering the number of dwelling units being constructed in Washington. The code already has a requirement for high output water heating systems but this requirement specifically exempts many systems used in R occupancies. The code has done far less to address how hot water loads in these residential occupancies than it has done for other aspects of building efficiency such as HVAC and lighting. Utilities are second only to rent in determining actual housing affordability.

Proposed code change text: (Copy the existing text from the Integrated Draft, linked above, and then use underline for new text and ~~strikeout~~ for text to be deleted.)

Revise Existing Language:

C404.2.1 High input-rated service water heating systems. ~~Gas-fired~~ All water-heating equipment installed in new buildings, except for R-1 and R-2, shall be in compliance with this section. Where a singular piece of water-heating equipment serves the entire building and the input rating of the equipment is 1,000,000 Btu/h (293 kW) or greater, such equipment shall have a rating thermal efficieney, ~~Et~~, of not less than ~~90 percent~~ 125 percent of the required performance values in Table C404.2, or is no less than an ~~Et~~ or ~~EF~~ of 95 percent as determined by the applicable test procedures in Table C404.2. Where multiple pieces of water-heating equipment serve the building, and the combined input rating of the water-heating equipment is 1,000,000 Btu/h (293 kW) or greater, the capacity-weighted-average rating thermal efficiency, the combined input ~~Et~~, shall not be less than ~~90 percent~~ 125 percent of the required performance values in Table C404.2, or no less than an ~~Et~~ or EF of 95 percent as determined by the applicable test procedures in Table C404.2.

Exceptions:

1. Where not less than 25 percent of the annual service water heating requirement is provided by on-site renewable energy or site recovered energy, the minimum thermal efficiency requirements of this section shall not apply. Where not less than 25 percent of the annual service water-heating requirement is provided from any combination of the following sources:

Renewable energy generated on site that is not being used to satisfy other requirements of this code, or

Heat recovered on site from the building's wastewater, or from air that would otherwise be exhausted to the outdoors without heat recovery, that is not being used to satisfy other requirements of this code.

2. ~~The input rating of water heaters installed in individual dwelling units shall not be required to be included in the total input rating of the service water heating equipment for a building.~~
3. ~~The input rating of water heaters with an input rating of not greater than 100,000 Btu/h (29 kW) shall not be required to be included in the total input rating of service water heating equipment for a building.~~

Add New Section

C404.2.2 R-1 and R-2 Renewable and site-recovered heat. In new construction of R-1 and R-2 buildings with over 1,000,000 Btu/h installed service water heating capacity, at least 25 percent of annual water heating energy shall be provided from any combination of the following sources:

1. Renewable energy generated on site that is not being used to satisfy other requirements of this code, or
2. Heat recovered on site from the building's wastewater, or from air that would otherwise be exhausted to the outdoors without heat recovery, that is not being used to satisfy other requirements of this code.

Exception:

Compliance with this section is not required if the combined input-capacity-weighted average equipment rating for all service water heating is no less than 125 percent of the required performance values in Table C404.2, or is no less than an Et or EF of 95 percent as determined by the applicable test procedures in Table C404.2.

Purpose of code change:

The revised requirement will expand an existing code requirement to more high-output water heating systems. This new requirement will significantly increase the efficiency of the systems serving this critical load. It is worded to provide significant flexibility for compliance and is narrowly defined so that it only applies to the building types where it can generate meaningful savings.

Your amendment must meet one of the following criteria. Select at least one:

- | | |
|--|---|
| <input type="checkbox"/> Addresses a critical life/safety need. | <input type="checkbox"/> Consistency with state or federal regulations. |
| <input checked="" type="checkbox"/> Addresses a specific state policy or statute.
(Note that energy conservation is a state policy) | <input type="checkbox"/> Addresses a unique character of the state. |
| | <input type="checkbox"/> Corrects errors and omissions. |

Check the building types that would be impacted by your code change:

- | | | |
|--|--|--|
| <input type="checkbox"/> Single family/duplex/townhome | <input checked="" type="checkbox"/> Multi-family 4 + stories | <input type="checkbox"/> Institutional |
| <input type="checkbox"/> Multi-family 1 – 3 stories | <input checked="" type="checkbox"/> Commercial / Retail | <input type="checkbox"/> Industrial |



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

Your name Eric Makela Email address ericm@newbuildings.org

Your organization New Buildings Institute Phone number 208 863-6924

Other contact name Sean Denniston

Instructions: Send this form as an email attachment, along with any other documentation available, to:
sbcc@des.wa.gov. For further information, call the State Building Code Council at 360-407-9278.

Economic Impact Data Sheet

Briefly summarize your proposal's primary economic impacts and benefits to building owners, tenants and businesses.

Because water heating represents such a large percentage of the energy use in multifamily this proposal will result in a reduction in energy use for the building tenants.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal? (See OFM Life Cycle Cost [Analysis tool](#) and [Instructions](#); use these [Inputs](#). Webinars on the tool can be found [Here](#) and [Here](#))

\$0.54/square foot (For residential projects, also provide \$[Click here to enter text.](#)/ dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

Increased cost of water heating from:

Technical Document: Incremental Cost for NBI's *Building Innovation – Multifamily* June, 2017

Provide your best estimate of the annual energy savings (or additional energy use) for your code change proposal?

2.071KWH/ square foot (or) [Click here to enter text.](#)KBTU/ square foot

(For residential projects, also provide [Click here to enter text.](#)KWH/KBTU / dwelling unit)

Show calculations here, and list sources for energy savings estimates, or attach backup data pages

Incremental savings data taken from:

Technical Document: Energy Savings Study for NBI's *Building Innovation – Multifamily*

June, 2017

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

No additional time is required by the plan review and inspection staff to enforce this provision.

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

General Information Page

Project Information

Project Name	New Buildings Institute
Address	Electric Storage Tank for Each Apartment
City	
Zip Code	
Building Square Feet (Gross)	33,700
Useable Square Feet	
Building Type (i.e. Office, School)	
Construction Type (i.e. New, Retrofit)	
Project Phase	
Report Version/Revision	
Date of Report	

Unlocked Cells for Notes and Calculations

Alternative One - Assumes electric water heater storage tanks for each apartment
Electric storage tanks are replaced by heatpump water heaters

User Information

Company Name	New Buildings Institute
User First Name	Eric
User Last Name	Makela
Contact Number	208 863-6924
Contact Email	ericm@newbuildings.com

All Fields Above Must Be Completed

Key Variables	<input type="radio"/> OFM	<input checked="" type="radio"/> User	Value
Building Life	50	50	50
Real Discount Rate	0.44%	1.93%	1.93%
Standard Maintenance Escalation	1.00%	1.00%	1.00%
General Inflation	3.01%	3.01%	3.01%
Study Period (years)	50	50	50

Fuel Escalation Assumptions Located on Fuel Escalation Page

User Inputs are for sensitivity analysis only, final submissions must be made using OFM inputs

Timing Variables	Year(s)
Base Year (Generally Current Year)	2020
Additional Construction Years beyond 2020	0

1st Operation Year = 2021

Finance 1st Purchases for ->	<input type="checkbox"/> Baseline	<input type="checkbox"/> Alt. 1	<input type="checkbox"/> Alt. 2
Down Payment (%)	20%	20%	20%
Term (Years)	15	15	15
Nominal Interest Rate	4.00%	4.00%	4.00%
Real Interest Rate	0.97%	0.97%	0.97%

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

Baseline Input Page

Show All Entered Units (Requires Re-Filter)

Total Building Annual Utility Analysis							\$ 9,481	
Annual Utility Bill [\$]								
Annual Utility Consumption Not Entered Below								
Sum of Annual Utility Consumption Below								
Total Annual Utility Consumption								
Annual Utility Bill ÷ Total Utility Consumption								
Uniformat II Elemental Classification for Buildings (Building Component List)			REF	# of Units	Useful Life (Yrs.)	Installed Cost (\$/Unit)	1st Year Maintenance Cost (\$/Unit)	Total Component Installed Cost (\$'s)
Primary Entries Below: # of Units must be > 0 to be counted; Useful Life must be >= 2							\$ 12,608	
A	Substructure							
B	Shell							
C	Interiors							
D	Services							
E	Equipment & Furnishings							
E109098	Water Heater			32	12	\$394.00		\$ 12,608
F	Special Construction & Demolition							
G	Building Sitework							
Z	Other Project Costs							
Z10	One Time - Upfront Costs			1	50			
Z30	Re-Occurring Annual Cost (Track Inflation)			1	1			

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Alternative 1 Input Page

<input checked="" type="checkbox"/> Show Baseline Fields and Entered Units (Requires Refilter)	
<input type="checkbox"/> Show Differences Between Alternative and Baseline (Req. Refilter)	
Total Building Annual Utility Analysis	\$ 3,517
Annual Utility Bill [\$]	\$ 3,517
Annual Utility Consumption Not Entered Below	41,090
Sum of Annual Utility Consumption Below	-
Total Annual Utility Consumption	41,090
Annual Utility Bill ÷ Total Utility Consumption	\$ - \$ 0.09 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -

Note: No Units Assigned to a Component with Entries

Olympia, Washington - Version: 2016-A Life Cycle Cost Analysis Tool

Alternative 2 Input Page

<input checked="" type="checkbox"/> Show Baseline Fields and Entered Units (Requires Refilter)	
<input type="checkbox"/> Show Differences Between Alternative and Baseline (Req. Refilter)	
Total Building Annual Utility Analysis	\$ -
Water (CCF)	Electricity (KWH)
Natural Gas (Therms)	Diesel/#2 (Gallons)
Gasoline (Gallons)	LPG (Gallons)
District Heat (mmbTU)	Other Annual Building Maint.
Annual Utility Bill [\$]	\$ -
Annual Utility Consumption Not Entered Below	-
Sum of Annual Utility Consumption Below	-
Total Annual Utility Consumption	-
Annual Utility Bill ÷ Total Utility Consumption	\$ -

Office of Financial Management
 Olympia, Washington - Version: 2016-A
 Life Cycle Cost Analysis Tool

Executive Report

Project Information	
Project:	New Buildings Institute
Address:	Electric Storage Tank for Each Apartment, ,
Company:	New Buildings Institute
Contact:	Eric Maka
Contact Phone:	208 863-6924
Contact Email:	ericm@newbuildings.com

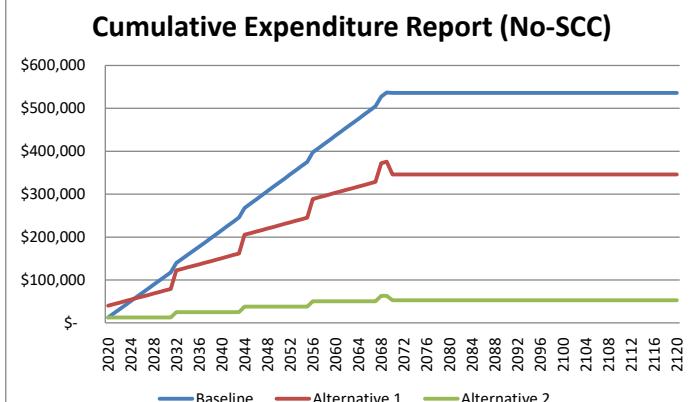
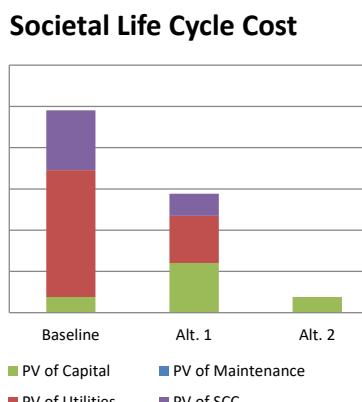
Key Analysis Variables		Building Characteristics	
Study Period (years)	50	Gross (Sq.Ft)	33,700
Nominal Discount Rate	3.46%	Useable (Sq.Ft)	0
Maintenance Escalation	1.00%	Space Efficiency	0.0%
Zero Year (Current Year)	2020	Project Phase	0
Construction Years	0	Building Type	0

Life Cycle Cost Analysis				BEST
Alternative	Baseline	Alt. 1	Alt. 2	
Energy Use Intensity (kBtu/sq.ft)	11.2	4.2		#DIV/0!
1st Construction Costs	\$ 12,608	\$ 39,998	\$ 12,608	
PV of Capital Costs	\$ 37,933	\$ 120,340	\$ 37,933	
PV of Maintenance Costs	\$ -	\$ -	\$ -	
PV of Utility Costs	\$ 307,711	\$ 114,146	\$ -	
Total Life Cycle Cost (LCC)	\$ 345,644	\$ 234,486	\$ 37,933	
Net Present Savings (NPS)	N/A	\$ 111,158	\$ 307,711	

Societal LCC takes into consideration the social cost of carbon dioxide emissions caused by operational energy consumption

(GHG) Social Life Cycle Cost				BEST
GHG Impact from Utility Consumption	Baseline	Alt. 1	Alt. 2	
Tons of CO ₂ e over Study Period	2,283	846	-	
% CO ₂ e Reduction vs. Baseline	N/A	63%	270%	
Present Social Cost of Carbon (SCC)	\$ 144,932	\$ 53,708	\$ -	
Total LCC with SCC	\$ 490,576	\$ 288,194	\$ 37,933	
NPS with SCC	N/A	\$ 202,382	\$ 452,643	

Warning: OFM Assigned Variables Not Used



Baseline Short Description
Alternative 1 Short Description
Alternative 2 Short Description

	Cumulative Expenditure Summary			Annual Expenditure Summary		
Year	Baseline	Alt. 1	Alt. 2	Baseline	Alt. 1	Alt. 2
2020	\$ 12,608	\$ 39,998	\$ 12,608	\$ 12,608	\$ 39,998	\$ 12,608
2021	\$ 22,182	\$ 43,550	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2022	\$ 31,756	\$ 47,101	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2023	\$ 41,330	\$ 50,653	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2024	\$ 50,811	\$ 54,170	\$ 12,608	\$ 9,481	\$ 3,517	\$ -
2025	\$ 60,385	\$ 57,721	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2026	\$ 69,959	\$ 61,273	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2027	\$ 79,533	\$ 64,824	\$ 12,608	\$ 9,574	\$ 3,551	\$ -
2028	\$ 89,107	\$ 68,376	\$ 12,608	\$ 9,481	\$ 3,517	\$ -
2029	\$ 98,588	\$ 71,893	\$ 12,608	\$ 9,481	\$ 3,517	\$ -
2030	\$ 108,069	\$ 75,410	\$ 12,608	\$ 22,089	\$ 43,515	\$ 12,608
2031	\$ 117,550	\$ 78,927	\$ 12,608	\$ 9,481	\$ 3,517	\$ -
2032	\$ 139,639	\$ 122,442	\$ 25,216	\$ 9,481	\$ 3,517	\$ -
2033	\$ 149,120	\$ 125,959	\$ 25,216	\$ 9,481	\$ 3,517	\$ -
2034	\$ 158,601	\$ 129,476	\$ 25,216	\$ 9,481	\$ 3,517	\$ -
2035	\$ 168,082	\$ 132,993	\$ 25,216	\$ 9,481	\$ 3,517	\$ -
2036	\$ 177,563	\$ 136,510	\$ 25,216	\$ 9,481	\$ 3,517	\$ -
2037	\$ 187,137	\$ 140,062	\$ 25,216	\$ 9,574	\$ 3,551	\$ -
2038	\$ 196,711	\$ 143,613	\$ 25,216	\$ 9,574	\$ 3,551	\$ -
2039	\$ 206,377	\$ 147,199	\$ 25,216	\$ 9,667	\$ 3,586	\$ -
2040	\$ 216,137	\$ 150,820	\$ 25,216	\$ 9,760	\$ 3,620	\$ -
2041	\$ 225,897	\$ 154,440	\$ 25,216	\$ 9,760	\$ 3,620	\$ -
2042	\$ 235,657	\$ 158,060	\$ 25,216	\$ 9,760	\$ 3,620	\$ -
2043	\$ 245,417	\$ 161,681	\$ 25,216	\$ 9,760	\$ 3,620	\$ -
2044	\$ 267,785	\$ 205,300	\$ 37,824	\$ 22,368	\$ 43,619	\$ 12,608
2045	\$ 277,545	\$ 208,920	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2046	\$ 287,304	\$ 212,541	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2047	\$ 297,064	\$ 216,161	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2048	\$ 306,824	\$ 219,781	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2049	\$ 316,584	\$ 223,402	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2050	\$ 326,344	\$ 227,022	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2051	\$ 336,104	\$ 230,643	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2052	\$ 345,864	\$ 234,263	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2053	\$ 355,623	\$ 237,884	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2054	\$ 365,383	\$ 241,504	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2055	\$ 375,143	\$ 245,125	\$ 37,824	\$ 9,760	\$ 3,620	\$ -
2056	\$ 397,511	\$ 288,743	\$ 50,432	\$ 22,368	\$ 43,619	\$ 12,608
2057	\$ 407,271	\$ 292,364	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2058	\$ 417,031	\$ 295,984	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2059	\$ 426,791	\$ 299,605	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2060	\$ 436,550	\$ 303,225	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2061	\$ 446,310	\$ 306,846	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2062	\$ 456,070	\$ 310,466	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2063	\$ 465,830	\$ 314,086	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2064	\$ 475,590	\$ 317,707	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2065	\$ 485,350	\$ 321,327	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2066	\$ 495,109	\$ 324,948	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2067	\$ 504,869	\$ 328,568	\$ 50,432	\$ 9,760	\$ 3,620	\$ -
2068	\$ 527,237	\$ 372,187	\$ 63,040	\$ 22,368	\$ 43,619	\$ 12,608
2069	\$ 536,997	\$ 375,808	\$ 63,040	\$ 9,760	\$ 3,620	\$ -
2070	\$ 536,250	\$ 346,096	\$ 52,533	\$ (747)	\$ (29,712)	\$ (10,507)
2071	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2072	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2073	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2074	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2075	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2076	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2077	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2078	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2079	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2080	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2081	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2082	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2083	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2084	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2085	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2086	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -
2087	\$ 536,250	\$ 346,096	\$ 52,533	\$ -	\$ -	\$ -

Cumulative Expenditure Summary				
Year	Baseline	Alt. 1	Alt. 2	Alt. 3
2088	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2089	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2090	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2091	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2092	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2093	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2094	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2095	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2096	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2097	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2098	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2099	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2100	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2101	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2102	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2103	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2104	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2105	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2106	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2107	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2108	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2109	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2110	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2111	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2112	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2113	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2114	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2115	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2116	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2117	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2118	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2119	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,
2120	\$ 536,250	\$ 346,096	\$ 52,	\$ 52,

	Baseline Expenditure Report						Cumulative Expenditures
Year	Capital	Maintenance	Utilities	Financing	Total	Baseline	
2020	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 12,608	
2021	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 22,182	
2022	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 31,756	
2023	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 41,330	
2024	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 50,811	
2025	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 60,385	
2026	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 69,959	
2027	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 79,533	
2028	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 89,107	
2029	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 98,588	
2030	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 108,069	
2031	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 117,550	
2032	\$ 12,608	\$ -	\$ 9,481	\$ -	\$ 22,089	\$ 139,639	
2033	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 149,120	
2034	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 158,601	
2035	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 168,082	
2036	\$ -	\$ -	\$ 9,481	\$ -	\$ 9,481	\$ 177,563	
2037	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 187,137	
2038	\$ -	\$ -	\$ 9,574	\$ -	\$ 9,574	\$ 196,711	
2039	\$ -	\$ -	\$ 9,667	\$ -	\$ 9,667	\$ 206,377	
2040	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 216,137	
2041	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 225,897	
2042	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 235,657	
2043	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 245,417	
2044	\$ 12,608	\$ -	\$ 9,760	\$ -	\$ 22,368	\$ 267,785	
2045	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 277,545	
2046	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 287,304	
2047	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 297,064	
2048	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 306,824	
2049	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 316,584	
2050	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 326,344	
2051	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 336,104	
2052	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 345,864	
2053	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 355,623	
2054	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 365,383	
2055	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 375,143	
2056	\$ 12,608	\$ -	\$ 9,760	\$ -	\$ 22,368	\$ 397,511	
2057	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 407,271	
2058	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 417,031	
2059	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 426,791	
2060	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 436,550	
2061	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 446,310	
2062	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 456,070	
2063	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 465,830	
2064	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 475,590	
2065	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 485,350	
2066	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 495,109	
2067	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 504,869	
2068	\$ 12,608	\$ -	\$ 9,760	\$ -	\$ 22,368	\$ 527,237	
2069	\$ -	\$ -	\$ 9,760	\$ -	\$ 9,760	\$ 536,997	
2070	\$ (10,507)	\$ -	\$ 9,760	\$ -	\$ (747)	\$ 536,250	
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250	

	Baseline Expenditure Report					Cumulative Expenditures
Year	Capital	Maintenance	Utilities	Financing	Total	Baseline
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 536,250

	Alternative 1 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 1	Annual	Cumulative	
2020	\$ 39,998	\$ -	\$ -	\$ -	\$ 39,998	\$ 39,998	\$ 27,390	\$ 27,390	
2021	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 43,550	\$ (6,022)	\$ 21,368	
2022	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 47,101	\$ (6,022)	\$ 15,345	
2023	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 50,653	\$ (6,022)	\$ 9,323	
2024	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 54,170	\$ (5,964)	\$ 3,359	
2025	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 57,721	\$ (6,022)	\$ (2,663)	
2026	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 61,273	\$ (6,022)	\$ (8,686)	
2027	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 64,824	\$ (6,022)	\$ (14,708)	
2028	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 68,376	\$ (6,022)	\$ (20,731)	
2029	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 71,893	\$ (5,964)	\$ (26,695)	
2030	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 75,410	\$ (5,964)	\$ (32,659)	
2031	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 78,927	\$ (5,964)	\$ (38,623)	
2032	\$ 39,998	\$ -	\$ 3,517	\$ -	\$ 43,515	\$ 122,442	\$ 21,426	\$ (17,196)	
2033	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 125,959	\$ (5,964)	\$ (23,160)	
2034	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 129,476	\$ (5,964)	\$ (29,124)	
2035	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 132,993	\$ (5,964)	\$ (35,088)	
2036	\$ -	\$ -	\$ 3,517	\$ -	\$ 3,517	\$ 136,510	\$ (5,964)	\$ (41,052)	
2037	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 140,062	\$ (6,022)	\$ (47,075)	
2038	\$ -	\$ -	\$ 3,551	\$ -	\$ 3,551	\$ 143,613	\$ (6,022)	\$ (53,097)	
2039	\$ -	\$ -	\$ 3,586	\$ -	\$ 3,586	\$ 147,199	\$ (6,081)	\$ (59,178)	
2040	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 150,820	\$ (6,139)	\$ (65,318)	
2041	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 154,440	\$ (6,139)	\$ (71,457)	
2042	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 158,060	\$ (6,139)	\$ (77,597)	
2043	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 161,681	\$ (6,139)	\$ (83,736)	
2044	\$ 39,998	\$ -	\$ 3,620	\$ -	\$ 43,619	\$ 205,300	\$ 21,251	\$ (62,485)	
2045	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 208,920	\$ (6,139)	\$ (68,624)	
2046	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 212,541	\$ (6,139)	\$ (74,764)	
2047	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 216,161	\$ (6,139)	\$ (80,903)	
2048	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 219,781	\$ (6,139)	\$ (87,043)	
2049	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 223,402	\$ (6,139)	\$ (93,182)	
2050	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 227,022	\$ (6,139)	\$ (99,322)	
2051	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 230,643	\$ (6,139)	\$ (105,461)	
2052	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 234,263	\$ (6,139)	\$ (111,600)	
2053	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 237,884	\$ (6,139)	\$ (117,740)	
2054	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 241,504	\$ (6,139)	\$ (123,879)	
2055	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 245,125	\$ (6,139)	\$ (130,019)	
2056	\$ 39,998	\$ -	\$ 3,620	\$ -	\$ 43,619	\$ 288,743	\$ 21,251	\$ (108,768)	
2057	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 292,364	\$ (6,139)	\$ (114,907)	
2058	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 295,984	\$ (6,139)	\$ (121,046)	
2059	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 299,605	\$ (6,139)	\$ (127,186)	
2060	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 303,225	\$ (6,139)	\$ (133,325)	
2061	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 306,846	\$ (6,139)	\$ (139,465)	
2062	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 310,466	\$ (6,139)	\$ (145,604)	
2063	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 314,086	\$ (6,139)	\$ (151,743)	
2064	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 317,707	\$ (6,139)	\$ (157,883)	
2065	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 321,327	\$ (6,139)	\$ (164,022)	
2066	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 324,948	\$ (6,139)	\$ (170,162)	
2067	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 328,568	\$ (6,139)	\$ (176,301)	
2068	\$ 39,998	\$ -	\$ 3,620	\$ -	\$ 43,619	\$ 372,187	\$ 21,251	\$ (155,050)	
2069	\$ -	\$ -	\$ 3,620	\$ -	\$ 3,620	\$ 375,808	\$ (6,139)	\$ (161,190)	
2070	\$ (33,332)	\$ -	\$ 3,620	\$ -	\$ (29,712)	\$ 346,096	\$ (28,965)	\$ (190,154)	
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	

	Alternative 1 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 1	Annual	Cumulative	
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 346,096	\$ -	\$ (190,154)	

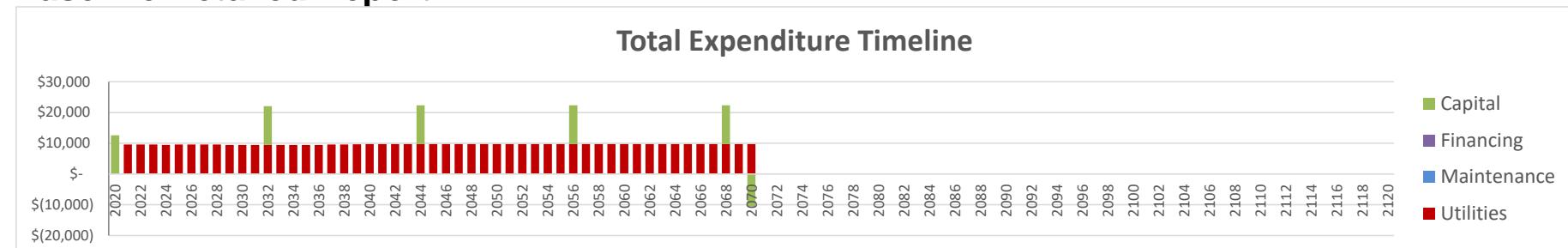
	Alternative 2 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 2	Cumulative	Annual	
2020	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 12,608	\$ -	\$ -	\$ -
2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (9,574)	\$ (9,574)
2022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (19,148)	\$ (19,148)
2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (28,722)	\$ (28,722)
2024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,481)	\$ (38,203)	\$ (38,203)
2025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (47,777)	\$ (47,777)
2026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (57,351)	\$ (57,351)
2027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (66,925)	\$ (66,925)
2028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,574)	\$ (76,499)	\$ (76,499)
2029	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,481)	\$ (85,980)	\$ (85,980)
2030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,481)	\$ (95,461)	\$ (95,461)
2031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,608	\$ (9,481)	\$ (104,942)	\$ (104,942)
2032	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 25,216	\$ (9,481)	\$ (114,423)	\$ (114,423)
2033	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,481)	\$ (123,904)	\$ (123,904)
2034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,481)	\$ (133,385)	\$ (133,385)
2035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,481)	\$ (142,866)	\$ (142,866)
2036	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,481)	\$ (152,347)	\$ (152,347)
2037	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,574)	\$ (161,921)	\$ (161,921)
2038	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,574)	\$ (171,495)	\$ (171,495)
2039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,667)	\$ (181,161)	\$ (181,161)
2040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,760)	\$ (190,921)	\$ (190,921)
2041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,760)	\$ (200,681)	\$ (200,681)
2042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,760)	\$ (210,441)	\$ (210,441)
2043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,216	\$ (9,760)	\$ (220,201)	\$ (220,201)
2044	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 37,824	\$ (9,760)	\$ (229,961)	\$ (229,961)
2045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (239,721)	\$ (239,721)
2046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (249,480)	\$ (249,480)
2047	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (259,240)	\$ (259,240)
2048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (269,000)	\$ (269,000)
2049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (278,760)	\$ (278,760)
2050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (288,520)	\$ (288,520)
2051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (298,280)	\$ (298,280)
2052	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (308,040)	\$ (308,040)
2053	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (317,799)	\$ (317,799)
2054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (327,559)	\$ (327,559)
2055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,824	\$ (9,760)	\$ (337,319)	\$ (337,319)
2056	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 50,432	\$ (9,760)	\$ (347,079)	\$ (347,079)
2057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (356,839)	\$ (356,839)
2058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (366,599)	\$ (366,599)
2059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (376,359)	\$ (376,359)
2060	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (386,118)	\$ (386,118)
2061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (395,878)	\$ (395,878)
2062	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (405,638)	\$ (405,638)
2063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (415,398)	\$ (415,398)
2064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (425,158)	\$ (425,158)
2065	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (434,918)	\$ (434,918)
2066	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (444,677)	\$ (444,677)
2067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,432	\$ (9,760)	\$ (454,437)	\$ (454,437)
2068	\$ 12,608	\$ -	\$ -	\$ -	\$ 12,608	\$ 63,040	\$ (9,760)	\$ (464,197)	\$ (464,197)
2069	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,040	\$ (9,760)	\$ (473,957)	\$ (473,957)
2070	\$ (10,507)	\$ -	\$ -	\$ -	\$ (10,507)	\$ 52,533	\$ (9,760)	\$ (483,717)	\$ (483,717)
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	\$ (483,717)

	Alternative 2 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 2	Cumulative		Annual
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,533	\$ -	\$ (483,717)	

Office of Financial Management
 Olympia, Washington - Version: 2016-A
 Life Cycle Cost Analysis Tool

Show Values and Parent Categories Only (Requires Refilter)

Baseline Detailed Report

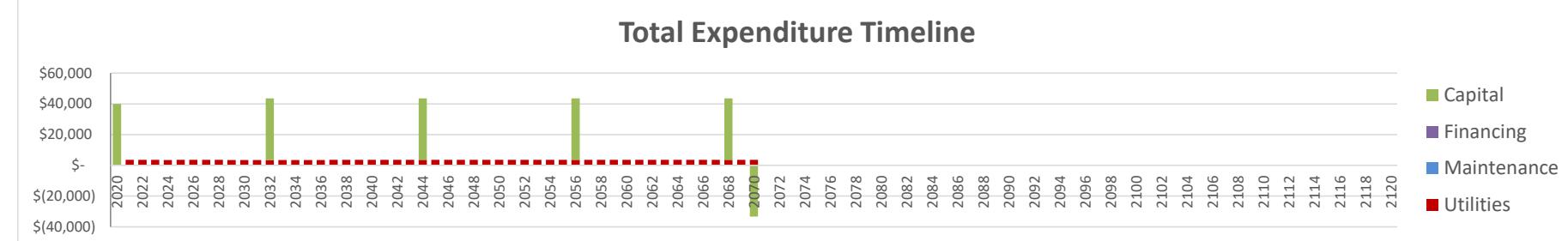


Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 37,933	\$ -	\$ 307,711	\$ 345,644
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ 307,711	\$ 307,711
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 37,933	\$ -	\$ -	\$ 37,933
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ -	\$ -	\$ -
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Occurring Annual Cost (Track Inflation)	\$ -	\$ -	\$ -	\$ -
C.E. Custom Entries		\$ -	\$ -	\$ -	\$ -

Office of Financial Management
 Olympia, Washington - Version: 2016-A
 Life Cycle Cost Analysis Tool

Alternative 1 Detailed Report

<input type="radio"/>	Manual Special Selection Only (Requires Refilter)
<input checked="" type="radio"/>	Show Values and Parent Categories Only (Requires Refilter)
<input type="radio"/>	Show Differences Between Alternative and Baseline (Req. Refilter)

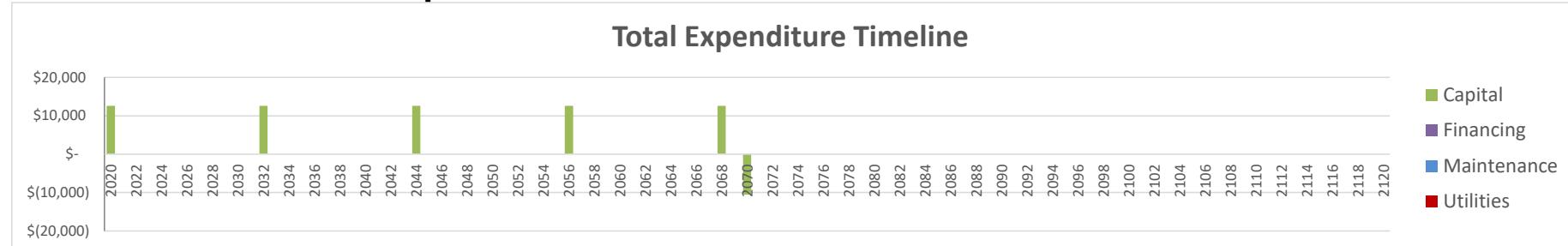


Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 120,340	\$ -	\$ 114,146	\$ 234,486
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ 114,146	\$ 114,146
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 120,340	\$ -	\$ -	\$ 120,340
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ -	\$ -	\$ -
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Ocurring Annual Cost (Track Inflation)	\$ -	\$ -	\$ -	\$ -
C.E.	Custom Entries	\$ -	\$ -	\$ -	\$ -

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

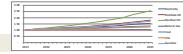
Alternative 2 Detailed Report

- | | |
|----------------------------------|---|
| <input type="radio"/> | Manual Special Selection Only (Requires Refilter) |
| <input checked="" type="radio"/> | Show Values and Parent Categories Only (Requires Refilter) |
| <input type="radio"/> | Show Differences Between Alternative and Baseline (Req. Refilter) |

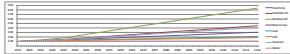


Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 37,933	\$ -	\$ -	\$ 37,933
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ -	\$ -
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 37,933	\$ -	\$ -	\$ 37,933
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ -	\$ -	\$ -
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Ocurring Annual Cost (Track Inflation)	\$ -	\$ -	\$ -	\$ -
C.E.	Custom Entries	\$ -	\$ -	\$ -	\$ -

Office of Financial Management
Centralized Cash Advance - 2016-A
Fuel Escalation Payer

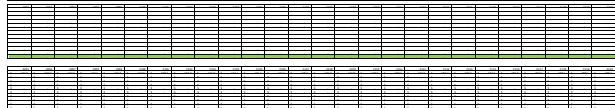
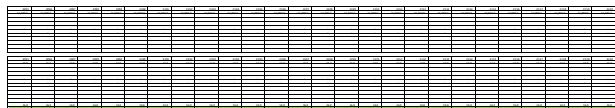
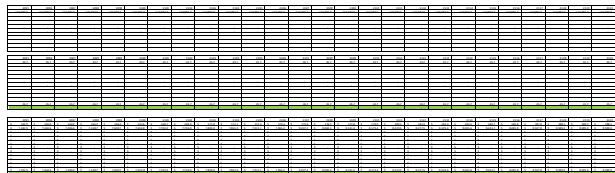
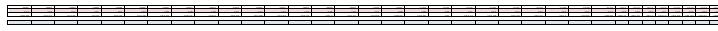


Period	Actual	Budgeted	Variance
Jan	(\$10)	(\$10)	\$0
Feb	(\$10)	(\$10)	\$0
Mar	(\$10)	(\$10)	\$0
Apr	(\$10)	(\$10)	\$0
May	(\$10)	(\$10)	\$0
Jun	(\$10)	(\$10)	\$0



Period	Actual	Budgeted	Variance
Jan	(\$10)	(\$10)	\$0
Feb	(\$10)	(\$10)	\$0
Mar	(\$10)	(\$10)	\$0
Apr	(\$10)	(\$10)	\$0
May	(\$10)	(\$10)	\$0
Jun	(\$10)	(\$10)	\$0

Office of Financial Management State of Washington Carbon Emissions	
This report provides a detailed breakdown of the State of Washington's carbon emissions across various sectors. The data is presented in a grid format, where each row represents a sector and each column represents a specific metric or category. The metrics include greenhouse gas emissions, energy consumption, and other relevant factors. The data is color-coded to highlight different categories and trends.	
The report includes a legend at the top left, which defines the colors used for different data series. The colors represent various sectors and categories, such as energy production, transportation, and industrial processes. The legend also includes a key for the data source, which is the State of Washington's annual greenhouse gas emissions report.	
The main body of the report consists of several large tables, each containing a grid of data points. These tables are organized by sector and provide a comprehensive overview of the state's carbon footprint. The data is presented in a clear, easy-to-read format, making it accessible to a wide range of stakeholders.	
Overall, this report provides a valuable resource for understanding the State of Washington's carbon emissions and the steps being taken to address climate change. It highlights the significant role that the state government and its agencies play in reducing greenhouse gas emissions and transitioning to a more sustainable future.	



**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool
Alternative 1 Input Page**

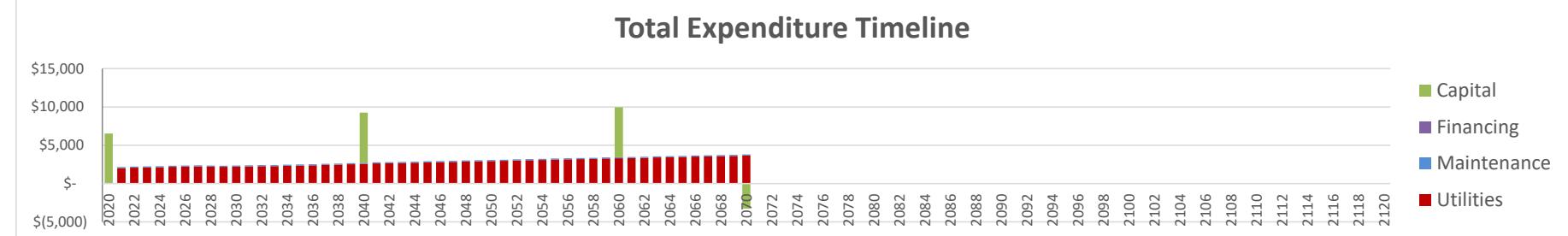
Note: No Units Assigned to a Component with Entries

<input type="radio"/> Manual Special Selection Only (Requires Refilter)	<input checked="" type="radio"/> Show Baseline Fields and Entered Units (Requires Refilter)	<input type="radio"/> Show Differences Between Alternative and Baseline (Req. Refilter)		<input type="button" value="Print"/>
Total Building Annual Utility Analysis	\$ 1,961	Water (CCF)	Electricity (KWH)	Natural Gas (Therms)
Annual Utility Bill [\$]			\$ 1,961	
Annual Utility Consumption Not Entered Below			2,398	-
Sum of Annual Utility Consumption Below		-	-	-
Total Annual Utility Consumption		-	2,398	-
Annual Utility Bill ÷ Total Utility Consumption	\$ -	\$ -	\$ 0.82	\$ -

Office of Financial Management
 Olympia, Washington - Version: 2016-A
 Life Cycle Cost Analysis Tool

Alternative 1 Detailed Report

<input type="radio"/>	Manual Special Selection Only (Requires Refilter)
<input checked="" type="radio"/>	Show Values and Parent Categories Only (Requires Refilter)
<input type="radio"/>	Show Differences Between Alternative and Baseline (Req. Refilter)



Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 12,761	\$ 4,465	\$ 84,732	\$ 101,958
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ 84,732	\$ 84,732
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 12,761	\$ -	\$ -	\$ 12,761
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ 4,465	\$ -	\$ 4,465
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Occurring Annual Cost (Track Inflation)	\$ -	\$ 4,465	\$ -	\$ 4,465
C.E.	Custom Entries	\$ -	\$ -	\$ -	\$ -

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

General Information Page

Project Information

Project Name	New Buildings Institute
Address	Central Gas Boiler Water Heater Analysis
City	
Zip Code	
Building Square Feet (Gross)	33,700
Useable Square Feet	
Building Type (i.e. Office, School)	
Construction Type (i.e. New, Retrofit)	
Project Phase	
Report Version/Revision	
Date of Report	

Unlocked Cells for Notes and Calculations

Basecase: Assumes central minimum efficient water heating for gas heating

Alternative One: Assumes 95 EF gas central water heating system

User Information

Company Name	New Buildings Institute
User First Name	Eric
User Last Name	Makela
Contact Number	208 863-6924
Contact Email	ericm@newbuildings.com

All Fields Above Must Be Completed

Key Variables	<input type="radio"/> OFM	<input checked="" type="radio"/> User	Value
Building Life	50	50	50
Real Discount Rate	0.44%	1.93%	1.93%
Standard Maintenance Escalation	1.00%	1.00%	1.00%
General Inflation	3.01%	3.01%	3.01%
Study Period (years)	50	50	50

Fuel Escalation Assumptions Located on Fuel Escalation Page

User Inputs are for sensitivity analysis only, final submissions must be made using OFM inputs

Timing Variables	Year(s)
Base Year (Generally Current Year)	2020
Additional Construction Years beyond 2020	0

1st Operation Year = 2021

Finance 1st Purchases for ->	<input type="checkbox"/> Baseline	<input type="checkbox"/> Alt. 1	<input type="checkbox"/> Alt. 2
Down Payment (%)	20%	20%	20%
Term (Years)	15	15	15
Nominal Interest Rate	4.00%	4.00%	4.00%
Real Interest Rate	0.97%	0.97%	0.97%

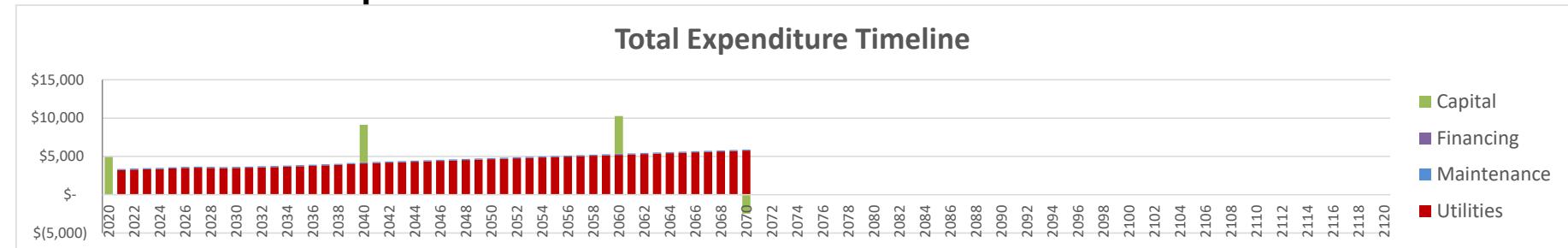
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool

Baseline Input Page

Total Building Annual Utility Analysis						\$ 3,092	Water (CCF)	Electricity (KWH)	Natural Gas (Therms)	Diesel/#2 (Gallons)	Gasoline (Gallons)	LPG (Gallons)	District Heat (mmBTU)	Other Annual Building Maint.	
Annual Utility Bill [\$]								\$ 3,092							
Annual Utility Consumption Not Entered Below								3,780						Sum of Below	
Sum of Annual Utility Consumption Below						-	-	-	-	-	-	-	-	\$ -	
Total Annual Utility Consumption						-	-	3,780	-	-	-	-	-	Total Maint.	
Annual Utility Bill ÷ Total Utility Consumption						\$ -	\$ 0.82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Uniformat II Elemental Classification for Buildings (Building Component List)		REF	# of Units	Useful Life (Yrs.)	Installed Cost (\$/Unit)	1st Year Maintenance Cost (\$/Unit)	Total Component Installed Cost (\$'s)	Annual Water (CCF/Unit)	Annual Electricity (KWH/Unit)	Annual Natural Gas (Therm/Unit)	Annual Diesel/#2 (Gal/Unit)	Annual Gasoline (Gal/Unit)	Annual LPG Gal/Unit)	Annual Dist. Heat (KBTU/Unit)	Remaining Life (Years) of Existing Component
Primary Entries Below: # of Units must be > 0 to be counted; Useful Life must be >= 2														Entries Below for Component Specific Utility Analysis (Consumption per Unit) - Total Building Utility Analysis Above	
A Substructure															
B Shell															
C Interiors															
D Services															
E Equipment & Furnishings															
E109098 Central Water Heater 95 EF		1	20	\$4,920.00			\$ 4,920								
F Special Construction & Demolition															
G Building Sitenwork															
Z Other Project Costs															
Z10 One Time - Upfront Costs		1	50												
Z30 Re-Occurring Annual Cost (Track Inflation)		1	1				\$140.00								

Show Values and Parent Categories Only (Requires Refilter)

Baseline Detailed Report



Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 9,621	\$ 4,465	\$ 133,601	\$ 147,687
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ 133,601	\$ 133,601
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 9,621	\$ -	\$ -	\$ 9,621
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ 4,465	\$ -	\$ 4,465
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Occurring Annual Cost (Track Inflation)	\$ -	\$ 4,465	\$ -	\$ 4,465
C.E.	Custom Entries	\$ -	\$ -	\$ -	\$ -

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

Alternative 2 Input Page

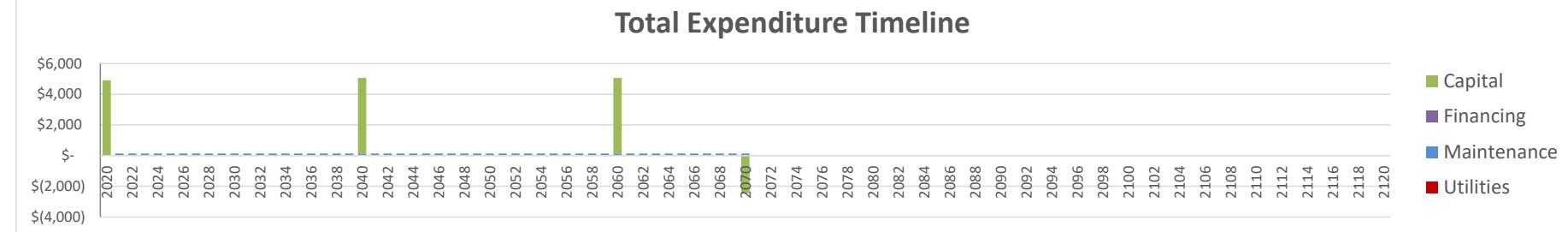
ERROR: Missing Annual Utility Bill [\\$]

<input type="radio"/> Manual Special Selection Only (Requires Refilter)	<input checked="" type="radio"/> Show Baseline Fields and Entered Units (Requires Refilter)	<input type="radio"/> Show Differences Between Alternative and Baseline (Req. Refilter)	
Total Building Annual Utility Analysis	\$ -	Water (CCF)	Electricity (KWH)
Annual Utility Bill [\$]		(Therms)	Diesel/#2 (Gallons)
Annual Utility Consumption Not Entered Below	-	-	Gasoline (Gallons)
Sum of Annual Utility Consumption Below	-	-	LPG (Gallons)
Total Annual Utility Consumption	-	-	District Heat (mmBTU)
Annual Utility Bill ÷ Total Utility Consumption	\$ -	\$ -	Other Annual Building Maint \$ -

**Office of Financial Management
Olympia, Washington - Version: 2016-A
Life Cycle Cost Analysis Tool**

Alternative 2 Detailed Report

<input type="radio"/>	Manual Special Selection Only (Requires Refilter)
<input checked="" type="radio"/>	Show Values and Parent Categories Only (Requires Refilter)
<input type="radio"/>	Show Differences Between Alternative and Baseline (Req. Refilter)



Building Component List All Values Sum To Their Parent Category		Present Value of Capital Costs	Present Value of Maintenance Costs	Present Value of Utility Costs	Total Present Value of Component or Group
Total Building Life Cycle Cost		\$ 9,621	\$ 4,465	\$ -	\$ 14,086
W	Whole Building Entries (Capital = Financing)	\$ -	\$ -	\$ -	\$ -
A	Substructure	\$ -	\$ -	\$ -	\$ -
B	Shell	\$ -	\$ -	\$ -	\$ -
C	Interiors	\$ -	\$ -	\$ -	\$ -
D	Services	\$ -	\$ -	\$ -	\$ -
E	Equipment & Furnishings	\$ 9,621	\$ -	\$ -	\$ 9,621
F	Special Construction & Demolition	\$ -	\$ -	\$ -	\$ -
G	Building Sitework	\$ -	\$ -	\$ -	\$ -
Z	Other Project Costs	\$ -	\$ 4,465	\$ -	\$ 4,465
Z10	One Time - Upfront Costs	\$ -	\$ -	\$ -	\$ -
Z30	Re-Occurring Annual Cost (Track Inflation)	\$ -	\$ 4,465	\$ -	\$ 4,465
C.E.	Custom Entries	\$ -	\$ -	\$ -	\$ -

Office of Financial Management
 Olympia, Washington - Version: 2016-A
 Life Cycle Cost Analysis Tool

Executive Report

Project Information	
Project:	New Buildings Institute
Address:	Central Gas Boiler Water Heater Analysis, ,
Company:	New Buildings Institute
Contact:	Eric Mekala
Contact Phone:	208 863-6924
Contact Email:	ericm@newbuildings.com

Key Analysis Variables		Building Characteristics	
Study Period (years)	50	Gross (Sq.Ft)	33,700
Nominal Discount Rate	3.46%	Useable (Sq.Ft)	0
Maintenance Escalation	1.00%	Space Efficiency	0.0%
Zero Year (Current Year)	2020	Project Phase	0
Construction Years	0	Building Type	0

Life Cycle Cost Analysis			
BEST			
Alternative	Baseline	Alt. 1	Alt. 2
Energy Use Intensity (kBtu/sq.ft)	11.2	7.1	11.2
1st Construction Costs	\$ 4,920	\$ 6,526	\$ 4,920
PV of Capital Costs	\$ 9,621	\$ 12,761	\$ 9,621
PV of Maintenance Costs	\$ 4,465	\$ 4,465	\$ 4,465
PV of Utility Costs	\$ 133,601	\$ 84,732	\$ -
Total Life Cycle Cost (LCC)	\$ 147,687	\$ 101,958	\$ 14,086
Net Present Savings (NPS)	N/A	\$ 45,729	\$ 133,601

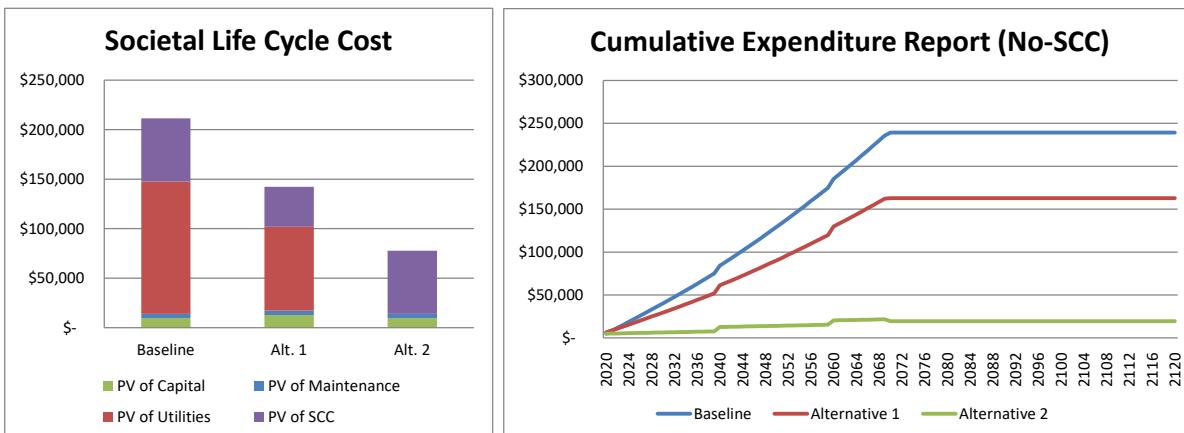
Societal LCC takes into consideration the social cost of carbon dioxide emissions caused by operational energy consumption

GHG Social Life Cycle Cost			
BEST			
GHG Impact from Utility Consumption	Baseline	Alt. 1	Alt. 2
Tons of CO2e over Study Period	1,004	637	1,004
% CO2e Reduction vs. Baseline	N/A	37%	0%
Present Social Cost of Carbon (SCC)	\$ 63,720	\$ 40,423	\$ 63,720
Total LCC with SCC	\$ 211,407	\$ 142,381	\$ 77,806
NPS with SCC	N/A	\$ 69,026	\$ 133,601

Warning: OFM Assigned Variables Not Used

MAJOR ERROR ON:

Alt. 2



Baseline Short Description
Alternative 1 Short Description
Alternative 2 Short Description

Year	Cumulative Expenditure Summary		
	Baseline	Alt. 1	Alt. 2
2020	\$ 4,920	\$ 6,526	\$ 4,920
2021	\$ 8,264	\$ 8,698	\$ 5,060
2022	\$ 11,665	\$ 10,906	\$ 5,200
2023	\$ 15,122	\$ 13,149	\$ 5,340
2024	\$ 18,607	\$ 15,411	\$ 5,480
2025	\$ 22,176	\$ 17,726	\$ 5,620
2026	\$ 25,802	\$ 20,076	\$ 5,760
2027	\$ 29,455	\$ 22,445	\$ 5,900
2028	\$ 33,081	\$ 24,795	\$ 6,040
2029	\$ 36,678	\$ 27,128	\$ 6,180
2030	\$ 40,304	\$ 29,479	\$ 6,320
2031	\$ 43,958	\$ 31,847	\$ 6,460
2032	\$ 47,667	\$ 34,251	\$ 6,600
2033	\$ 51,405	\$ 36,673	\$ 6,740
2034	\$ 55,200	\$ 39,131	\$ 6,880
2035	\$ 59,050	\$ 41,624	\$ 7,020
2036	\$ 62,957	\$ 44,153	\$ 7,160
2037	\$ 66,919	\$ 46,717	\$ 7,300
2038	\$ 70,938	\$ 49,317	\$ 7,440
2039	\$ 75,070	\$ 51,989	\$ 7,580
2040	\$ 84,206	\$ 61,239	\$ 12,640
2041	\$ 88,478	\$ 64,000	\$ 12,780
2042	\$ 92,806	\$ 66,796	\$ 12,920
2043	\$ 97,191	\$ 69,628	\$ 13,060
2044	\$ 101,631	\$ 72,496	\$ 13,200
2045	\$ 106,128	\$ 75,399	\$ 13,340
2046	\$ 110,681	\$ 78,338	\$ 13,480
2047	\$ 115,291	\$ 81,312	\$ 13,620
2048	\$ 119,956	\$ 84,323	\$ 13,760
2049	\$ 124,678	\$ 87,368	\$ 13,900
2050	\$ 129,456	\$ 90,450	\$ 14,040
2051	\$ 134,290	\$ 93,567	\$ 14,180
2052	\$ 139,181	\$ 96,720	\$ 14,320
2053	\$ 144,127	\$ 99,908	\$ 14,460

Annual Expenditure Summary		
Baseline	Alt. 1	Alt. 2
\$ 4,920	\$ 6,526	\$ 4,920
\$ 3,344	\$ 2,172	\$ 140
\$ 3,401	\$ 2,208	\$ 140
\$ 3,457	\$ 2,244	\$ 140
\$ 3,485	\$ 2,261	\$ 140
\$ 3,569	\$ 2,315	\$ 140
\$ 3,626	\$ 2,351	\$ 140
\$ 3,654	\$ 2,368	\$ 140
\$ 3,626	\$ 2,351	\$ 140
\$ 3,597	\$ 2,333	\$ 140
\$ 3,626	\$ 2,351	\$ 140
\$ 3,654	\$ 2,368	\$ 140
\$ 3,710	\$ 2,404	\$ 140
\$ 3,738	\$ 2,422	\$ 140
\$ 3,794	\$ 2,458	\$ 140
\$ 3,850	\$ 2,493	\$ 140
\$ 3,907	\$ 2,529	\$ 140
\$ 3,963	\$ 2,565	\$ 140
\$ 4,019	\$ 2,600	\$ 140
\$ 4,131	\$ 2,671	\$ 140
\$ 9,136	\$ 9,251	\$ 5,060
\$ 4,272	\$ 2,761	\$ 140
\$ 4,328	\$ 2,796	\$ 140
\$ 4,384	\$ 2,832	\$ 140
\$ 4,441	\$ 2,868	\$ 140
\$ 4,497	\$ 2,903	\$ 140
\$ 4,553	\$ 2,939	\$ 140
\$ 4,609	\$ 2,975	\$ 140
\$ 4,666	\$ 3,010	\$ 140
\$ 4,722	\$ 3,046	\$ 140
\$ 4,778	\$ 3,082	\$ 140
\$ 4,834	\$ 3,117	\$ 140
\$ 4,890	\$ 3,153	\$ 140
\$ 4,947	\$ 3,188	\$ 140

	Cumulative Expenditure Summary		
Year	Baseline	Alt. 1	Alt. 2
2054	\$ 149,130	\$ 103,133	\$ 14,600
2055	\$ 154,189	\$ 106,392	\$ 14,740
2056	\$ 159,305	\$ 109,688	\$ 14,880
2057	\$ 164,476	\$ 113,019	\$ 15,020
2058	\$ 169,704	\$ 116,386	\$ 15,160
2059	\$ 174,988	\$ 119,788	\$ 15,300
2060	\$ 185,248	\$ 129,752	\$ 20,360
2061	\$ 190,644	\$ 133,225	\$ 20,500
2062	\$ 196,097	\$ 136,735	\$ 20,640
2063	\$ 201,606	\$ 140,280	\$ 20,780
2064	\$ 207,171	\$ 143,860	\$ 20,920
2065	\$ 212,792	\$ 147,477	\$ 21,060
2066	\$ 218,470	\$ 151,129	\$ 21,200
2067	\$ 224,203	\$ 154,816	\$ 21,340
2068	\$ 229,993	\$ 158,540	\$ 21,480
2069	\$ 235,839	\$ 162,298	\$ 21,620
2070	\$ 239,282	\$ 162,830	\$ 19,300
2071	\$ 239,282	\$ 162,830	\$ 19,300
2072	\$ 239,282	\$ 162,830	\$ 19,300
2073	\$ 239,282	\$ 162,830	\$ 19,300
2074	\$ 239,282	\$ 162,830	\$ 19,300
2075	\$ 239,282	\$ 162,830	\$ 19,300
2076	\$ 239,282	\$ 162,830	\$ 19,300
2077	\$ 239,282	\$ 162,830	\$ 19,300
2078	\$ 239,282	\$ 162,830	\$ 19,300
2079	\$ 239,282	\$ 162,830	\$ 19,300
2080	\$ 239,282	\$ 162,830	\$ 19,300
2081	\$ 239,282	\$ 162,830	\$ 19,300
2082	\$ 239,282	\$ 162,830	\$ 19,300
2083	\$ 239,282	\$ 162,830	\$ 19,300
2084	\$ 239,282	\$ 162,830	\$ 19,300
2085	\$ 239,282	\$ 162,830	\$ 19,300
2086	\$ 239,282	\$ 162,830	\$ 19,300
2087	\$ 239,282	\$ 162,830	\$ 19,300

	Cumulative Expenditure Summary		
Year	Baseline	Alt. 1	Alt. 2
2088	\$ 239,282	\$ 162,830	\$ 19,300
2089	\$ 239,282	\$ 162,830	\$ 19,300
2090	\$ 239,282	\$ 162,830	\$ 19,300
2091	\$ 239,282	\$ 162,830	\$ 19,300
2092	\$ 239,282	\$ 162,830	\$ 19,300
2093	\$ 239,282	\$ 162,830	\$ 19,300
2094	\$ 239,282	\$ 162,830	\$ 19,300
2095	\$ 239,282	\$ 162,830	\$ 19,300
2096	\$ 239,282	\$ 162,830	\$ 19,300
2097	\$ 239,282	\$ 162,830	\$ 19,300
2098	\$ 239,282	\$ 162,830	\$ 19,300
2099	\$ 239,282	\$ 162,830	\$ 19,300
2100	\$ 239,282	\$ 162,830	\$ 19,300
2101	\$ 239,282	\$ 162,830	\$ 19,300
2102	\$ 239,282	\$ 162,830	\$ 19,300
2103	\$ 239,282	\$ 162,830	\$ 19,300
2104	\$ 239,282	\$ 162,830	\$ 19,300
2105	\$ 239,282	\$ 162,830	\$ 19,300
2106	\$ 239,282	\$ 162,830	\$ 19,300
2107	\$ 239,282	\$ 162,830	\$ 19,300
2108	\$ 239,282	\$ 162,830	\$ 19,300
2109	\$ 239,282	\$ 162,830	\$ 19,300
2110	\$ 239,282	\$ 162,830	\$ 19,300
2111	\$ 239,282	\$ 162,830	\$ 19,300
2112	\$ 239,282	\$ 162,830	\$ 19,300
2113	\$ 239,282	\$ 162,830	\$ 19,300
2114	\$ 239,282	\$ 162,830	\$ 19,300
2115	\$ 239,282	\$ 162,830	\$ 19,300
2116	\$ 239,282	\$ 162,830	\$ 19,300
2117	\$ 239,282	\$ 162,830	\$ 19,300
2118	\$ 239,282	\$ 162,830	\$ 19,300
2119	\$ 239,282	\$ 162,830	\$ 19,300
2120	\$ 239,282	\$ 162,830	\$ 19,300

	Baseline Expenditure Report					Cumulative Expenditures
Year	Capital	Maintenance	Utilities	Financing	Total	Baseline
2020	\$ 4,920	\$ -	\$ -	\$ -	\$ 4,920	\$ 4,920
2021	\$ -	\$ 140	\$ 3,204	\$ -	\$ 3,344	\$ 8,264
2022	\$ -	\$ 140	\$ 3,261	\$ -	\$ 3,401	\$ 11,665
2023	\$ -	\$ 140	\$ 3,317	\$ -	\$ 3,457	\$ 15,122
2024	\$ -	\$ 140	\$ 3,345	\$ -	\$ 3,485	\$ 18,607
2025	\$ -	\$ 140	\$ 3,429	\$ -	\$ 3,569	\$ 22,176
2026	\$ -	\$ 140	\$ 3,486	\$ -	\$ 3,626	\$ 25,802
2027	\$ -	\$ 140	\$ 3,514	\$ -	\$ 3,654	\$ 29,455
2028	\$ -	\$ 140	\$ 3,486	\$ -	\$ 3,626	\$ 33,081
2029	\$ -	\$ 140	\$ 3,457	\$ -	\$ 3,597	\$ 36,678
2030	\$ -	\$ 140	\$ 3,486	\$ -	\$ 3,626	\$ 40,304
2031	\$ -	\$ 140	\$ 3,514	\$ -	\$ 3,654	\$ 43,958
2032	\$ -	\$ 140	\$ 3,570	\$ -	\$ 3,710	\$ 47,667
2033	\$ -	\$ 140	\$ 3,598	\$ -	\$ 3,738	\$ 51,405
2034	\$ -	\$ 140	\$ 3,654	\$ -	\$ 3,794	\$ 55,200
2035	\$ -	\$ 140	\$ 3,710	\$ -	\$ 3,850	\$ 59,050
2036	\$ -	\$ 140	\$ 3,767	\$ -	\$ 3,907	\$ 62,957
2037	\$ -	\$ 140	\$ 3,823	\$ -	\$ 3,963	\$ 66,919
2038	\$ -	\$ 140	\$ 3,879	\$ -	\$ 4,019	\$ 70,938
2039	\$ -	\$ 140	\$ 3,991	\$ -	\$ 4,131	\$ 75,070
2040	\$ 4,920	\$ 140	\$ 4,076	\$ -	\$ 9,136	\$ 84,206
2041	\$ -	\$ 140	\$ 4,132	\$ -	\$ 4,272	\$ 88,478
2042	\$ -	\$ 140	\$ 4,188	\$ -	\$ 4,328	\$ 92,806
2043	\$ -	\$ 140	\$ 4,244	\$ -	\$ 4,384	\$ 97,191
2044	\$ -	\$ 140	\$ 4,301	\$ -	\$ 4,441	\$ 101,631
2045	\$ -	\$ 140	\$ 4,357	\$ -	\$ 4,497	\$ 106,128
2046	\$ -	\$ 140	\$ 4,413	\$ -	\$ 4,553	\$ 110,681
2047	\$ -	\$ 140	\$ 4,469	\$ -	\$ 4,609	\$ 115,291
2048	\$ -	\$ 140	\$ 4,526	\$ -	\$ 4,666	\$ 119,956
2049	\$ -	\$ 140	\$ 4,582	\$ -	\$ 4,722	\$ 124,678
2050	\$ -	\$ 140	\$ 4,638	\$ -	\$ 4,778	\$ 129,456
2051	\$ -	\$ 140	\$ 4,694	\$ -	\$ 4,834	\$ 134,290
2052	\$ -	\$ 140	\$ 4,750	\$ -	\$ 4,890	\$ 139,181
2053	\$ -	\$ 140	\$ 4,807	\$ -	\$ 4,947	\$ 144,127

	Baseline Expenditure Report					Cumulative Expenditures
Year	Capital	Maintenance	Utilities	Financing	Total	Baseline
2054	\$ -	\$ 140	\$ 4,863	\$ -	\$ 5,003	\$ 149,130
2055	\$ -	\$ 140	\$ 4,919	\$ -	\$ 5,059	\$ 154,189
2056	\$ -	\$ 140	\$ 4,975	\$ -	\$ 5,115	\$ 159,305
2057	\$ -	\$ 140	\$ 5,032	\$ -	\$ 5,172	\$ 164,476
2058	\$ -	\$ 140	\$ 5,088	\$ -	\$ 5,228	\$ 169,704
2059	\$ -	\$ 140	\$ 5,144	\$ -	\$ 5,284	\$ 174,988
2060	\$ 4,920	\$ 140	\$ 5,200	\$ -	\$ 10,260	\$ 185,248
2061	\$ -	\$ 140	\$ 5,256	\$ -	\$ 5,396	\$ 190,644
2062	\$ -	\$ 140	\$ 5,313	\$ -	\$ 5,453	\$ 196,097
2063	\$ -	\$ 140	\$ 5,369	\$ -	\$ 5,509	\$ 201,606
2064	\$ -	\$ 140	\$ 5,425	\$ -	\$ 5,565	\$ 207,171
2065	\$ -	\$ 140	\$ 5,481	\$ -	\$ 5,621	\$ 212,792
2066	\$ -	\$ 140	\$ 5,537	\$ -	\$ 5,677	\$ 218,470
2067	\$ -	\$ 140	\$ 5,594	\$ -	\$ 5,734	\$ 224,203
2068	\$ -	\$ 140	\$ 5,650	\$ -	\$ 5,790	\$ 229,993
2069	\$ -	\$ 140	\$ 5,706	\$ -	\$ 5,846	\$ 235,839
2070	\$ (2,460)	\$ 140	\$ 5,762	\$ -	\$ 3,442	\$ 239,282
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282

	Baseline Expenditure Report					Cumulative Expenditures
Year	Capital	Maintenance	Utilities	Financing	Total	Baseline
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,282

	Alternative 1 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 1	Annual	Cumulative	
2020	\$ 6,526	\$ -	\$ -	\$ -	\$ 6,526	\$ 6,526	\$ 1,606	\$ 1,606	
2021	\$ -	\$ 140	\$ 2,032	\$ -	\$ 2,172	\$ 8,698	\$ (1,172)	\$ 433	
2022	\$ -	\$ 140	\$ 2,068	\$ -	\$ 2,208	\$ 10,906	\$ (1,193)	\$ (759)	
2023	\$ -	\$ 140	\$ 2,104	\$ -	\$ 2,244	\$ 13,149	\$ (1,213)	\$ (1,972)	
2024	\$ -	\$ 140	\$ 2,121	\$ -	\$ 2,261	\$ 15,411	\$ (1,224)	\$ (3,196)	
2025	\$ -	\$ 140	\$ 2,175	\$ -	\$ 2,315	\$ 17,726	\$ (1,254)	\$ (4,450)	
2026	\$ -	\$ 140	\$ 2,211	\$ -	\$ 2,351	\$ 20,076	\$ (1,275)	\$ (5,725)	
2027	\$ -	\$ 140	\$ 2,228	\$ -	\$ 2,368	\$ 22,445	\$ (1,285)	\$ (7,011)	
2028	\$ -	\$ 140	\$ 2,211	\$ -	\$ 2,351	\$ 24,795	\$ (1,275)	\$ (8,286)	
2029	\$ -	\$ 140	\$ 2,193	\$ -	\$ 2,333	\$ 27,128	\$ (1,265)	\$ (9,550)	
2030	\$ -	\$ 140	\$ 2,211	\$ -	\$ 2,351	\$ 29,479	\$ (1,275)	\$ (10,825)	
2031	\$ -	\$ 140	\$ 2,228	\$ -	\$ 2,368	\$ 31,847	\$ (1,285)	\$ (12,110)	
2032	\$ -	\$ 140	\$ 2,264	\$ -	\$ 2,404	\$ 34,251	\$ (1,306)	\$ (13,416)	
2033	\$ -	\$ 140	\$ 2,282	\$ -	\$ 2,422	\$ 36,673	\$ (1,316)	\$ (14,732)	
2034	\$ -	\$ 140	\$ 2,318	\$ -	\$ 2,458	\$ 39,131	\$ (1,337)	\$ (16,069)	
2035	\$ -	\$ 140	\$ 2,353	\$ -	\$ 2,493	\$ 41,624	\$ (1,357)	\$ (17,426)	
2036	\$ -	\$ 140	\$ 2,389	\$ -	\$ 2,529	\$ 44,153	\$ (1,378)	\$ (18,804)	
2037	\$ -	\$ 140	\$ 2,425	\$ -	\$ 2,565	\$ 46,717	\$ (1,398)	\$ (20,202)	
2038	\$ -	\$ 140	\$ 2,460	\$ -	\$ 2,600	\$ 49,317	\$ (1,419)	\$ (21,621)	
2039	\$ -	\$ 140	\$ 2,531	\$ -	\$ 2,671	\$ 51,989	\$ (1,460)	\$ (23,081)	
2040	\$ 6,526	\$ 140	\$ 2,585	\$ -	\$ 9,251	\$ 61,239	\$ 115	\$ (22,966)	
2041	\$ -	\$ 140	\$ 2,621	\$ -	\$ 2,761	\$ 64,000	\$ (1,511)	\$ (24,478)	
2042	\$ -	\$ 140	\$ 2,656	\$ -	\$ 2,796	\$ 66,796	\$ (1,532)	\$ (26,010)	
2043	\$ -	\$ 140	\$ 2,692	\$ -	\$ 2,832	\$ 69,628	\$ (1,553)	\$ (27,562)	
2044	\$ -	\$ 140	\$ 2,728	\$ -	\$ 2,868	\$ 72,496	\$ (1,573)	\$ (29,135)	
2045	\$ -	\$ 140	\$ 2,763	\$ -	\$ 2,903	\$ 75,399	\$ (1,594)	\$ (30,729)	
2046	\$ -	\$ 140	\$ 2,799	\$ -	\$ 2,939	\$ 78,338	\$ (1,614)	\$ (32,343)	
2047	\$ -	\$ 140	\$ 2,835	\$ -	\$ 2,975	\$ 81,312	\$ (1,635)	\$ (33,978)	
2048	\$ -	\$ 140	\$ 2,870	\$ -	\$ 3,010	\$ 84,323	\$ (1,655)	\$ (35,634)	
2049	\$ -	\$ 140	\$ 2,906	\$ -	\$ 3,046	\$ 87,368	\$ (1,676)	\$ (37,309)	
2050	\$ -	\$ 140	\$ 2,942	\$ -	\$ 3,082	\$ 90,450	\$ (1,697)	\$ (39,006)	
2051	\$ -	\$ 140	\$ 2,977	\$ -	\$ 3,117	\$ 93,567	\$ (1,717)	\$ (40,723)	
2052	\$ -	\$ 140	\$ 3,013	\$ -	\$ 3,153	\$ 96,720	\$ (1,738)	\$ (42,461)	
2053	\$ -	\$ 140	\$ 3,048	\$ -	\$ 3,188	\$ 99,908	\$ (1,758)	\$ (44,219)	

	Alternative 1 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 1	Annual	Cumulative	
2054	\$ -	\$ 140	\$ 3,084	\$ -	\$ 3,224	\$ 103,133	\$ (1,779)	\$ (45,998)	
2055	\$ -	\$ 140	\$ 3,120	\$ -	\$ 3,260	\$ 106,392	\$ (1,799)	\$ (47,797)	
2056	\$ -	\$ 140	\$ 3,155	\$ -	\$ 3,295	\$ 109,688	\$ (1,820)	\$ (49,617)	
2057	\$ -	\$ 140	\$ 3,191	\$ -	\$ 3,331	\$ 113,019	\$ (1,840)	\$ (51,457)	
2058	\$ -	\$ 140	\$ 3,227	\$ -	\$ 3,367	\$ 116,386	\$ (1,861)	\$ (53,318)	
2059	\$ -	\$ 140	\$ 3,262	\$ -	\$ 3,402	\$ 119,788	\$ (1,882)	\$ (55,200)	
2060	\$ 6,526	\$ 140	\$ 3,298	\$ -	\$ 9,964	\$ 129,752	\$ (297)	\$ (55,496)	
2061	\$ -	\$ 140	\$ 3,334	\$ -	\$ 3,474	\$ 133,225	\$ (1,923)	\$ (57,419)	
2062	\$ -	\$ 140	\$ 3,369	\$ -	\$ 3,509	\$ 136,735	\$ (1,943)	\$ (59,362)	
2063	\$ -	\$ 140	\$ 3,405	\$ -	\$ 3,545	\$ 140,280	\$ (1,964)	\$ (61,326)	
2064	\$ -	\$ 140	\$ 3,441	\$ -	\$ 3,581	\$ 143,860	\$ (1,984)	\$ (63,311)	
2065	\$ -	\$ 140	\$ 3,476	\$ -	\$ 3,616	\$ 147,477	\$ (2,005)	\$ (65,315)	
2066	\$ -	\$ 140	\$ 3,512	\$ -	\$ 3,652	\$ 151,129	\$ (2,026)	\$ (67,341)	
2067	\$ -	\$ 140	\$ 3,548	\$ -	\$ 3,688	\$ 154,816	\$ (2,046)	\$ (69,387)	
2068	\$ -	\$ 140	\$ 3,583	\$ -	\$ 3,723	\$ 158,540	\$ (2,067)	\$ (71,454)	
2069	\$ -	\$ 140	\$ 3,619	\$ -	\$ 3,759	\$ 162,298	\$ (2,087)	\$ (73,541)	
2070	\$ (3,263)	\$ 140	\$ 3,655	\$ -	\$ 532	\$ 162,830	\$ (2,911)	\$ (76,452)	
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	

	Alternative 1 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 1	Annual	Cumulative	
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,830	\$ -	\$ (76,452)	

	Alternative 2 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 2	Cumulative		Annual
2020	\$ 4,920	\$ -	\$ -	\$ -	\$ 4,920	\$ 4,920	\$ -	\$ -	\$ -
2021	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,060	\$ (3,204)	\$ (3,204)
2022	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,200	\$ (3,261)	\$ (6,465)
2023	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,340	\$ (3,317)	\$ (9,782)
2024	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,480	\$ (3,345)	\$ (13,127)
2025	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,620	\$ (3,429)	\$ (16,556)
2026	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,760	\$ (3,486)	\$ (20,042)
2027	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 5,900	\$ (3,514)	\$ (23,555)
2028	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,040	\$ (3,486)	\$ (27,041)
2029	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,180	\$ (3,457)	\$ (30,498)
2030	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,320	\$ (3,486)	\$ (33,984)
2031	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,460	\$ (3,514)	\$ (37,498)
2032	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,600	\$ (3,570)	\$ (41,067)
2033	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,740	\$ (3,598)	\$ (44,665)
2034	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 6,880	\$ (3,654)	\$ (48,320)
2035	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 7,020	\$ (3,710)	\$ (52,030)
2036	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 7,160	\$ (3,767)	\$ (55,797)
2037	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 7,300	\$ (3,823)	\$ (59,619)
2038	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 7,440	\$ (3,879)	\$ (63,498)
2039	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 7,580	\$ (3,991)	\$ (67,490)
2040	\$ 4,920	\$ 140	\$ -	\$ -	\$ 5,060	\$ 5,060	\$ 12,640	\$ (4,076)	\$ (71,566)
2041	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 12,780	\$ (4,132)	\$ (75,698)
2042	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 12,920	\$ (4,188)	\$ (79,886)
2043	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,060	\$ (4,244)	\$ (84,131)
2044	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,200	\$ (4,301)	\$ (88,431)
2045	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,340	\$ (4,357)	\$ (92,788)
2046	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,480	\$ (4,413)	\$ (97,201)
2047	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,620	\$ (4,469)	\$ (101,671)
2048	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,760	\$ (4,526)	\$ (106,196)
2049	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 13,900	\$ (4,582)	\$ (110,778)
2050	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 14,040	\$ (4,638)	\$ (115,416)
2051	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 14,180	\$ (4,694)	\$ (120,110)
2052	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 14,320	\$ (4,750)	\$ (124,861)
2053	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 140	\$ 14,460	\$ (4,807)	\$ (129,667)

	Alternative 2 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 2	Cumulative		Annual
2054	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 14,600	\$ (4,863)	\$ (134,530)	
2055	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 14,740	\$ (4,919)	\$ (139,449)	
2056	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 14,880	\$ (4,975)	\$ (144,425)	
2057	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 15,020	\$ (5,032)	\$ (149,456)	
2058	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 15,160	\$ (5,088)	\$ (154,544)	
2059	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 15,300	\$ (5,144)	\$ (159,688)	
2060	\$ 4,920	\$ 140	\$ -	\$ -	\$ 5,060	\$ 20,360	\$ (5,200)	\$ (164,888)	
2061	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 20,500	\$ (5,256)	\$ (170,144)	
2062	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 20,640	\$ (5,313)	\$ (175,457)	
2063	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 20,780	\$ (5,369)	\$ (180,826)	
2064	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 20,920	\$ (5,425)	\$ (186,251)	
2065	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 21,060	\$ (5,481)	\$ (191,732)	
2066	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 21,200	\$ (5,537)	\$ (197,270)	
2067	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 21,340	\$ (5,594)	\$ (202,863)	
2068	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 21,480	\$ (5,650)	\$ (208,513)	
2069	\$ -	\$ 140	\$ -	\$ -	\$ 140	\$ 21,620	\$ (5,706)	\$ (214,219)	
2070	\$ (2,460)	\$ 140	\$ -	\$ -	\$ (2,320)	\$ 19,300	\$ (5,762)	\$ (219,982)	
2071	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2073	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2077	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2079	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2081	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	

	Alternative 2 Expenditure Report						Cumulative Expenditures	Expenditures over Baseline	Expenditures over Baseline
Year	Capital	Maintenance	Utilities	Financing	Total	Alt. 2	Cumulative		Annual
2088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2090	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2093	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2095	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2096	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2109	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2112	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	
2120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,300	\$ -	\$ (219,982)	

