

ALTERNATIVE ANALYSIS; 40 YEARS, 1.875%

Dollar Bay - Full Scope					
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total
1	Replace Watermain	4500	LF	450	\$2,025,000
2	Replace Lead Service Lines - Dollar Bay	110	LF	12000	\$1,320,000
4	Miscellaneous Hydrant Replacements	5	EA	12000	\$60,000
5	Misc. Watermain Valve Replacements	5	EA	10000	\$50,000
8	WM to Sandy Bottom - DB Channel	500	FT	500	\$250,000
9	WM to Sandy Bottom - Hydrant	1	EA	12000	\$12,000
10	Replace Water Meters	330	EA	500	\$165,000
Total Distribution					\$3,882,000
No.	WATER SOURCE	Qty	Unit	U/Cost	Total
11	Replace Well Pumps	1.333	EA	75000	\$99,975
12	Well House Improvements	0.667	LS	50000	\$33,350
13	Storage Tank Improvements	0.667	LS	30000	\$20,010
Total Source/ Storage					\$153,335
Construction Total					4,035,335
Contingency, Bonding, Legal, Constr. Obs/Admin., Design					\$990,877
Total					\$5,026,212
Assume 75% EGLE SRF Grant					
Assume 25% EGLE SRF Bond					\$1,256,553
Debt Service (1.875%, 40 years)					\$44,933
Total Debt Service					\$44,933
Customers					330
Additional Base Rate/Month					\$11.35
Current Base Rate/ Mo.					\$36.50
New Total Base Rate/ mo.					\$47.85
Water Usage: Included					
Ave. Residential Rate/ Mo.*					\$47.85
*for use of 4,000 gallons					

\$/mo./Work Item

\$5.69

\$3.71

\$0.17

\$0.14

\$0.70

\$0.03

\$0.46

\$0.28

\$0.09

\$0.06

Total: \$8,815,622

ALTERNATIVE ANALYSIS; 40 YEARS, 1.875%

Dollar Bay - Reduced Scope 1					
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total
1	Replace Watermain	1000	LF	450	\$450,000
2	Replace Lead Service Lines - Dollar Bay	110	LF	12000	\$1,320,000
4	Miscellaneous Hydrant Replacements		EA		
5	Misc. Watermain Valve Replacements		EA		
8	WM to Sandy Bottom - DB Channel	500	FT	500	\$250,000
9	WM to Sandy Bottom - Hydrant	1	EA	12000	\$12,000
10	Replace Water Meters		EA		
Total Distribution					\$2,032,000
No.	WATER SOURCE	Qty	Unit	U/Cost	Total
11	Replace Well Pumps	1.333	EA	75000	\$99,975
12	Well House Improvements	0.667	LS	50000	\$33,350
13	Storage Tank Improvements		LS		
Total Source/ Storage					\$133,325
Construction Total					2,165,325
Contingency, Bonding, Legal, Constr. Obs/Admin., Design					\$531,696
Total					\$2,697,021
Assume 75% EGLE SRF Grant					
Assume 25% EGLE SRF Bond					\$674,255
Debt Service (1.875%, 40 years)					\$24,111
Total Debt Service					\$24,111
Customers					330
Additional Base Rate/Month					\$6.09
Current Base Rate/ Mo.					\$36.50
New Total Base Rate/ mo.					\$42.59
Water Usage: Included					
Ave. Residential Rate/ Mo.*					\$42.59
*for use of 4,000 gallons					

\$/mo./Work Item

\$1.27

\$3.71

\$0.00

\$0.00

\$0.70

\$0.03

\$0.00

\$0.28

\$0.09

\$0.00

Total: \$6,473,930

ALTERNATIVE ANALYSIS; 40 YEARS, 1.875%

Dollar Bay - Reduced Scope 2					
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total
1	Replace Watermain	1000	LF	450	\$450,000
2	Replace Lead Service Lines - Dollar Bay	110	LF	12000	\$1,320,000
4	Miscellaneous Hydrant		EA		
5	Misc. Watermain Valve Replacements		EA		
8	WM to Sandy Bottom - DB Channel		FT		
9	WM to Sandy Bottom - Hydrant		EA		
10	Replace Water Meters		EA		
Total Distribution					\$1,770,000
No.	WATER SOURCE	Qty	Unit	U/Cost	Total
11	Replace Well Pumps	2	EA	75000	\$150,000
12	Well House Improvements	1	LS	50000	\$50,000
13	Storage Tank Improvements		LS		
Total Source/ Storage					\$200,000
Construction Total					1,970,000
Contingency, Bonding, Legal, Constr. Obs/Admin., Design					\$483,734
Total					\$2,453,734
Assume 75% EGLE SRF Grant					
Assume 25% EGLE SRF Bond					\$613,433
Debt Service (1.875%, 40 years)					\$21,936
Total Debt Service					\$21,936
Customers					330
Additional Base Rate/Month					\$5.54
Current Base Rate/ Mo.					\$36.50
New Total Base Rate/ mo.					\$42.04
Water Usage: Included					
Ave. Residential Rate/ Mo.*					\$42.04
*for use of 4,000 gallons					

\$/mo./Work Item

\$1.27

\$3.71

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

\$0.42

\$0.14

\$0.00

Total: \$2,804,122

ALTERNATIVE ANALYSIS; 40 YEARS, 1.875%

Dollar Bay - Lead Service Lines Only					
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total
1	Replace Watermain		LF		
2	Replace Lead Service Lines - Dollar Bay	110	LF	12000	\$1,320,000
4	Miscellaneous Hydrant Replacements		EA		
5	Misc. Watermain Valve Replacements		EA		
8	WM to Sandy Bottom - DB Channel		FT		
9	WM to Sandy Bottom - Hydrant		EA		
10	Replace Water Meters		EA		
Total Distribution					\$1,320,000
No.	WATER SOURCE	Qty	Unit	U/Cost	Total
11	Replace Well Pumps		EA		
12	Well House Improvements		LS		
13	Storage Tank Improvements		LS		
Total Source/ Storage					\$0
Construction Total					1,320,000
Contingency, Bonding, Legal, Constr. Obs/Admin., Design					\$324,126
Total					\$1,644,126
Assume 75% EGLE SRF Grant					
Assume 25% EGLE SRF Bond					\$411,032
Debt Service (1.875%, 40 years)					\$14,698
Total Debt Service					\$14,698
Customers					330
Additional Base Rate/Month					\$3.71
Current Base Rate/ Mo.					\$36.50
New Total Base Rate/ mo.					\$40.21
Water Usage: Included					
Ave. Residential Rate/ Mo.*					\$40.21
*for use of 4,000 gallons					

Total: \$1,994,515

ALTERNATIVE ANALYSIS; 40 YEARS, 1.875%

Tamarack City - Full Scope					
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total
3	Replace Lead Service Lines - TC (on private)	35	EA	8000	\$280,000
Total Distribution					\$280,000
No.	WATER SOURCE	Qty	Unit	U/Cost	Total
6	Extend Watermain Mason to Tamarack	8000	LF	300	\$2,400,000
7	Booster Pump Station, Mason to Tamarack	1	LS	200000	\$200,000
11	Replace Well Pumps	0.667	EA	75000	\$50,025
12	Well House Improvements	0.333	LS	50000	\$16,650
13	Storage Tank Improvements	0.333	LS	30000	\$9,990
14	UMWC Contract Clause	1	LS	71500	\$71,500
Total Source/ Storage					\$2,748,165
Construction Total					3,028,165
Contingency, Bonding, Legal, Constr. Obs/Admin., Design					\$743,566
Capitalized Interest					\$17,680
Total					\$3,789,411
Assume 75% EGLE SRF Grant					
Assume 25% EGLE SRF Bond					\$960,613