ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

\$/mo./

Work

Dollar I	Bay - Reduced Scope 2	,				\$/mo./			
No.	DISTRIBUTION	Qty	Unit	U/Cost	Total	Work Item			
1	Replace Watermain	1000	LF	450	\$450,000	\$1.55			
2	Replace Lead Service Lines	110	LE	42000	¢4 220 000	64.55			
2	- Dollar Bay Miscellaneous Hydrant	110	LF	12000	\$1,320,000	\$4.56			
4	Replacements		EA			\$0.00			
	Misc. Watermain Valve		L/1			<i>\$0.00</i>			
5	Replacements		EA			\$0.00			
	WM to Sandy Bottom - DB								
8	Channel		FT			\$0.00			
	WM to Sandy Bottom -								
9	Hydrant		EA			\$0.00			
10	Replace Water Meters		EA			\$0.00			
			Total	Distribution	\$1,770,000				
No.	WATER SOURCE	Qty	Unit	U/Cost	Total				
11	Replace Well Pumps	2	EA	75000	\$150,000	\$0.52			
					+				
12	Well House Improvements	1	LS	50000	\$50,000	\$0.17			
	Storage Tank								
13	Improvements		LS			\$0.00			
			Total Sour	ce/Storage	\$200,000				
			Constr	uction Total	1,970,000				
	Contingency, Bonding, L	egal, Const	r. Obs/Adm	nin,. Design	\$483,734				
				Total	\$2,453,734				
		Accum	e 75% EGLE		<i>Ş</i> 2,433,734				
			e 25% EGLI		\$613,433				
			rice (1.875%		\$26,921	########			
		Dept Selv	•			******			
	Total Debt Service \$26,921								
	Customers 330								
	Additional Base Rate/Month \$6.80								
	Current Base Rate/ Mo. \$36.50								
Base Rate/ mo. \$43.30									
Water Usage: Included									
Ave. Residential Rate/ Mo.* \$43.30									
	*for use of 4,000 gallons								

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

No.	DISTRIBUTION	Qty	Unit	U/Cost	Total	Item
	Replace Lead Service Lines					
3	- TC (on private)	35	EA	8000	\$280,000	\$1.8
			Total	Distribution	\$280,000	
<u>No.</u>	WATER SOURCE	<u>Qty</u>	<u>Unit</u>	U/Cost	Total	
-	Extend Watermain Mason					
6	to Tamarack City		LF			\$0.
7	Booster Pump Station, Mason to Tamarack City		LS			\$O.
,			20			ço.
11	Replace Well Pumps		EA			\$0.
12	Well House Improvements		LS			\$0.
13	Storage Tank		LS			\$O.
13	Improvements		LS			ŞU.
14	UMWC Contract Clause		LS			\$0.
			Total Sou	rce/ Storage	\$0	
			Constr	uction Total	280,000	
	Contingency, Bonding, L	egal, Const	r. Obs/Adn	nin,. Design	\$68,754	
			Capitalia	ed Interest	\$1,635	
					\$350,389	
		Accum				
		Assum	e 75% EGLI	E SRF Grant		
				E SRF Grant E SRF Bond	\$88,823	
		Assum	e 25% EGL		\$88,823 \$3,999	
		Assum	ie 25% EGL ice (1.875%	E SRF Bond		
Note: Cu	urrent TC User	Assum	ie 25% EGL ice (1.875%	E SRF Bond %, 30 years)	\$3,999	
	ırrent TC User 3000 gal/mo.	Assum Debt Serv	ie 25% EGL ice (1.875% Total D	E SRF Bond %, 30 years) webt Service	\$3,999 \$3,999	
at		Assum Debt Serv Additio	ie 25% EGL ice (1.8759 Total D onal Base R	E SRF Bond 6, 30 years) Webt Service Customers	\$3,999 \$3,999 170	
at	3000 gal/mo.	Assum Debt Serv Additio	ie 25% EGL ice (1.8759 Total D onal Base R urrent Base	E SRF Bond 6, 30 years) Webt Service Customers Gate/Month	\$3,999 \$3,999 170 \$1.96	
at	3000 gal/mo.	Assum Debt Serv Additio	re 25% EGL ice (1.875% Total D onal Base R urrent Base v Total Base	E SRF Bond 6, 30 years) Webt Service Customers ate/Month e Rate/ Mo.	\$3,999 \$3,999 170 \$1.96 \$37.00	
at	3000 gal/mo.	Assum Debt Serv Additio C New	e 25% EGL ice (1.8759 Total D onal Base R urrent Base v Total Base W	E SRF Bond 6, 30 years) hebt Service Customers hate/Month e Rate/ Mo. e Rate/ mo.	\$3,999 \$3,999 170 \$1.96 \$37.00 \$38.96	

No. DISTRIBUTION U/Cost Qty Unit Total Item Replace Watermain 1000 LF 450 \$450,000 \$1.55 1 Replace Lead Service Lin 110 LF 12000 \$1,320,000 \$4.56 2 - Dollar Bay \$0.00 ΕA \$0.00 WM to Sandy Bottom - DB FT \$0.86 500 \$250,000 8 Channel WM to Sandy Bottom -500 EA 9 12000 \$12,000 \$0.04 1 Hydrant place Water Meters 10 \$0.00 Total Distribution \$2,032,000 WATER SOURCE Unit U/Cost Total <u>No.</u> <u>Qty</u> Replace Well Pumps 11 1.333 EA 75000 \$99,97 \$0.35 Well House Improvements 0.667 LS 50000 12 \$33,350 \$0.12 \$0.00 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%, 30 years) \$29,590 ######## Total Debt Service \$29,590 Customers 330 Additional Base Rate/Month \$7.47 Current Base Rate/ Mo. \$36.50 New Total Base Rate/ mo. \$43.97 Water Usage: Included Ave. Residential Rate/ Mo.* \$43.97 *for use of 4,000 gallons

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

Dollar Bay - Reduced Scope 1

Т	amara	ack City - Reduced Sco	ne 2				\$/mo./ Work
Ē	No.	DISTRIBUTION	Qty	Unit	U/Cost	Total	Item
	3	Replace Lead Service Lines - TC (on private)	35	EA	8000	\$280,000	\$1.88
				Total	Distribution	\$280,000	1
	<u>No.</u>	WATER SOURCE	<u>Qty</u>	<u>Unit</u>	<u>U/Cost</u>	Total	
	6	Extend Watermain Mason to Tamarack City	8000	LF	300	\$2,400,000	\$16.08
	7	Booster Pump Station, Mason to Tamarack City	1	LS	200000	\$200,000	\$1.34
	11	Replace Well Pumps	0.667	EA	75000	\$50,025	\$0.34
	12	Well House Improvements	0.333	LS	50000	\$16,650	\$0.11
	13	Storage Tank Improvements		LS			\$0.00
	14	UMWC Contract Clause	1	LS	71500	\$71,500	\$0.48
			\$2,738,175				
			3,018,175				
		Contingency, Bonding, L		in,. Design ed Interest	\$741,113	1	
			\$17,622 \$3,776,910				
			\$5,770,910				
			Assum Assum	\$957,444			
1		Debt Service (1.875%, 30 years)					
				M	\$43,102 \$500	\$0.25	
			\$43,602				
N	ote: Cu	irrent TC User	Customers				
	at	3000 gal/mo.	Additio	onal Base R	\$21.37		
	= \$	\$61.90/mo.	Current Base Rate/ Mo.			\$37.00	
			Nev	v Total Base	e Rate/ mo.	\$58.37	
			Water Usage:			\$4.50	1
			Ave. F	Residential	\$62.87		
				*for use of	3,000 gallons	;	

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

No.	DISTRIBUTION	Qty	Unit	U/Cost	Total	\$/mo./W ork Item	
1	Replace Watermain	4500	LF	450	\$2,025,000	\$6.9	
	Replace Lead Service				1 / /		
2	Lines - Dollar Bay	110	LF	12000	\$1,320,000	\$4.5	
4	Miscellaneous Hydrant	5	FA	12000	¢60.000	\$0.2	
4	Replacements Misc. Watermain Valve	5	EA	12000	\$60,000	ŞU.2	
5	Replacements	5	EA	10000	\$50,000	\$0.1	
-	WM to Sandy Bottom -				1		
8	DB Channel	500	FT	500	\$250,000	\$0.8	
	WM to Sandy Bottom -						
9	Hydrant	1	EA	12000	\$12,000	\$0.0	
10	Replace Water Meters	330	FA	500	\$165,000	\$0.5	
10				Distribution	\$3,882,000		
			Total	Distribution	<i>\$3,002,000</i>		
No.	WATER SOURCE	Qty	Unit	U/Cost	Total		
NO.			<u>01110</u>		10101		
11	Replace Well Pumps	1.333	EA	75000	\$99,975	\$0.3	
	Well House						
12	Improvements	0.667	LS	50000	\$33,350	\$0.1	
	Storage Tank						
13	Improvements	0.667	LS	30000	\$20,010	\$0.0	
				rce/Storage	\$153,335		
			Constr	uction Total	4,035,335		
	Contingency, Bonding,	\$990,877					
		\$5,026,212					
		Assum	e 75% EGLE	SRF Grant	<i>\$5,620,222</i>		
				E SRF Bond	\$1,256,553		
		\$55,145	########				
		0000000	•	6, 30 years) ebt Service	\$55,145		
			Total D	CDC DCI VICC	<i>\$55,145</i>		
				Customers	220		
		330					
		\$13.93					
		Rate/ Mo.	\$36.50				
		\$50.43					
Water Usage: Included							
Ave. Residential Rate/ Mo.* \$50.43							
			*for use of	4,000 gallons			

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

No.	Ack City - Full Scope DISTRIBUTION	Qty	Unit	U/Cost	Total	ork Item
<u>INO.</u>	Replace Lead Service	QLY		0/030	10(a)	orkitein
3	Lines - TC (on private)	35	FA	8000	\$280,000	\$1.88
			Total	Distribution	\$280,000	1
No.	WATER SOURCE	Qty	Unit	U/Cost	Total	
	Extend Watermain					
6	Mason to Tamarack City	8000	LF	300	\$2,400,000	\$16.08
	Booster Pump Station,					
7	Mason to Tamarack City	1	LS	200000	\$200,000	\$1.34
11	Replace Well Pumps	0.667	EA	75000	\$50,025	\$0.34
12	Well House Improvements	0.333	LS	50000	\$16,650	\$0.11
	Storage Tank					
13	Improvements	0.333	LS	30000	\$9,990	\$0.07
14	UMWC Contract Clause	1	LS	71500	\$71,500	\$0.48
			Total Sour	rce/ Storage	\$2,748,165	
			Constr	uction Total	3,028,165	
	Contingency, Bonding, L	egal, Const	r. Obs/Adm	nin,. Design	\$743,566	
			Capitaliz	ed Interest	\$17,680	
					\$3,789,411	
		Assum	e 75% EGLE	SRF Grant		
		Assum	ne 25% EGL	E SRF Bond	\$960,613	
		Debt Serv	vice (1.875%	6, 30 years)	\$43,245	\$41,382
			M	OOT RR Fee	\$500	\$0.25
			Total D	ebt Service	\$43,745	
lote: Cu	rrent TC User			170		
at	3000 gal/mo.	Additi	onal Base R	\$21.44		
= \$	61.90/mo.	C	urrent Base	\$37.00		
New Total Base Rate/ mo.					\$58.44	
Water Usage: \$4.50						
Ave. Residential Rate/ Mo.* \$62.94						
	*for use of 3,000 gallons					

Total: \$6,473,930

Total: \$8,815,622

No 2 4

Tam N N

lote

Total: \$2,804,122

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

ollar	Bay - Lead Service Line	s Only				\$/mo./ Work	
<u>No.</u>	DISTRIBUTION	Qty	Unit	U/Cost	Total	Item	
1	Replace Watermain		LF			\$0.00	
	Replace Lead Service Lines						
2	- Dollar Bay	110	LF	12000	\$1,320,000	\$4.56	
4	Miscellaneous Hydrant		FA			\$0.00	
4	Replacements Misc. Watermain Valve		EA			ŞU.U	
5	Replacements		FA			\$0.00	
5	WM to Sandy Bottom - DB		271			<i>\$0.00</i>	
8	Channel		FT			\$0.00	
	WM to Sandy Bottom -						
9	Hydrant		EA			\$0.00	
10	Replace Water Meters		EA			\$0.00	
	-	\$1,320,000					
No.	WATER SOURCE	Qty	Unit	U/Cost	Total		
11	Replace Well Pumps		EA			\$0.00	
12	Well House Improvements		LS			\$0.00	
13	Storage Tank		LS			\$0.00	
12	Improvements		-	rce/ Storage	\$0	ŞU.U	
				uction Total	1,320,000		
	Contingonal Danding L	and Cone					
	Contingency, Bonding, L	egai, Cons	tr. Obs/Adr		\$324,126		
				Total	\$1,644,126		
		Assum	ne 75% EGL	E SRF Grant			
		Assun	ne 25% EGL	E SRF Bond	\$411,032		
		Debt Ser	vice (1.875%	%, 30 years)	\$18,039	#######	
			Total D	ebt Service	\$18,039		
				Customers	330		
Additional Base Rate/Month \$4.56							
				e Rate/ Mo.			
				e Rate/ Mo.	\$41.06		
		Net					
				ater Usage:			
		Ave.		Rate/ Mo.*	\$41.06		
			•for use of	4,000 gallons			

ALTERNATIVE ANALYSIS; 30 YEARS, 1.875%

	ack City - Lead Service			_	Tetal	Work Item
<u>No.</u>	DISTRIBUTION Replace Lead Service Lines	<u>Qty</u>	<u>Unit</u>	<u>U/Cost</u>	<u>Total</u>	item
3	- TC (on private)	35	EA	8000	\$280,000	\$1.8
	re (on private)		Total	\$280,000	\$1.0	
No.	WATER SOURCE	Qty	<u>Unit</u>	U/Cost	<u>Total</u>	
	Extend Watermain Mason					40.0
6	to Tamarack City		LF			\$0.00
7	Booster Pump Station, Mason to Tamarack City		LS			\$0.00
11	Replace Well Pumps		EA			\$0.00
12	Well House Improvements		LS			\$0.00
	Storage Tank					
13	Improvements		LS			\$0.00
14	UMWC Contract Clause		LS			\$0.00
			Total Sour	rce/Storage	\$0	
			Constr	uction Total	280,000	
	Contingency, Bonding, Le	egal, Const	r. Obs/Adm	nin,. Design	\$68,754	
			Capitaliz	ed Interest	\$1,635	
					\$350,389	
		Assum	e 75% EGLE	E SRF Grant		
			ne 25% EGL		\$88,823	
		Debt Serv	rice (1.875%	6, 30 years)	\$3,999	
			Total D	ebt Service	\$3,999	
e: Cu	urrent TC User			170		
at 3000 gal/mo.		Additi	onal Base R	\$1.96		
= !	\$61.90/mo.		urrent Base	\$37.00		
		Nev	v Total Base	\$38.96		
				ater Usage:	\$24.90	
		Ave. F	Residential	•	\$63.86	
			*for use of	3,000 gallons		

Total: \$1,994,515