

TOWN OF STETTLER

CAPITAL FORECAST

2014 - 2016



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MEMORANDUM

To: Stettler Town Council
From: Administration
Date: January 8th, 2014
Re: Capital Budget for 2014, 2015 and 2016

The 2014 proposed Capital Budget has been prepared for Council's consideration in the amount of \$7,151,730. Of note there is some new municipal debt anticipated in 2014.

Sources of capital funding are summarized as follow:

Pre-Approved Grant	\$137,620	(2013/14 MSI)
Less carry forward projects	(\$28,339)	(2013/14 MSI)
Pre-Approved Grant	\$1,118,121	(2014/15 MSI)
Pre-Approved Grant	\$77,598	(2015/16 MSI) *
(* less Vac truck residual \$70,000)		
Pre-Approved Grant	\$490,573	(2012/14 FGTF)
Less carry forward projects	(\$87,514)	(2012/14 FGTF)
Pre-Approved Grant	\$247,061	(2014/15 FGTF)
Pre-Approved Grant	\$344,880	(2014 BMTG/SIP)
Application Grant	\$75,000	(2013 CFEP)
Contributions from Others	\$134,750	(Fundraising & County)
SRC County of Stettler 2013	\$140,000	(Library/Parking Lot)
SRC Federal Grant 2013	\$250,000	(Library/Parking Lot)
SRC Savings Reserves 2013	\$1,345,000	(3 year savings)
SRC Reallocated Reserve 2014	\$500,000)(Fire 5 year savings)
SRC Utility Surplus 2014	\$111,825)(Total \$2,346,825)
Utility Surpluses – For Other Projects	\$396,500)
General Reserve/Surplus	\$914,750)
Land Development Reserve	\$84,905)
Other Reserves	\$115,000) (Total \$2,122,980)
New Debenture Debt	\$709,000	
2014 Operating Budget Contribution	<u>\$75,000</u>	(Sidewalk Program)
	\$7,151,730	

The 2014 Interim Operating & Capital Budgets collectively include the following amounts available for capital purposes from internally generated sources as follows:

<u>Source:</u>	<u>Interim Operating 2014</u>	<u>Projected Ending Balance 2013</u>	<u>2014 Available Capital</u>	<u>2014 Proposed Capital</u>
General Reserve	\$407,930	\$1,620,210	\$2,028,140	(\$914,750)
Water Surplus	\$260,845	\$200,000	\$460,845	(\$270,000)
Other Surplus	<u>\$300,655</u>	<u>\$100,000</u>	<u>\$400,655</u>	<u>(\$238,325)</u>
	\$969,430	\$1,920,210	\$2,889,640	(1,423,075)
Other Reserves	\$26,900	\$1,975,000	\$2,001,900	(\$615,000)
Lot Sales/LDR	\$116,110	\$1,045,320	<u>\$1,161,430</u>	(\$84,905)
			\$6,052,970	(\$2,122,980)

The following projects are being are being allocated in 2014 from Water & Other utility fund surpluses, they include current and future utility and non-utility projects:

Skate Park, see project for scope	\$125,000
Fire - Self-Contained Breathing Air Packs (Town Share)	\$126,500
SRC Shortfall remaining after re-allocation of Fire Savings	<u>\$111,825</u>
	\$363,325
Water Treatment Plant minor capital	<u>\$145,000</u>
	\$508,325

As a trade-off, Administration recommends that Council continue to utilize MSI grant funds in the amount of \$510,000 in 2014 for 2 water and sewer projects that could otherwise be partially financed by annual utility fund surpluses.

What this effectively accomplishes is that the Town will access MSI funds for utility projects and use freed-up utility surpluses to fund projects and savings for non-utility purposes. This will crystallize the savings into real dollars in our bank account (as opposed to having unspent MSI grant funds that are not in our possession).

Significant items included in the 2014 Capital Budget include:

1. Major Capital Grant Funding

Alberta Municipalities are fortunate to have a significant amount of grant programs available to assist funding capital assets. Administration is continually challenged to allocate projects towards specifically eligible grants in order to maximize the overall amount of funding received in any given year. The amount available on an annual basis is as follows:

	<u>2013/14</u>	<u>2014/15</u>
Municipal Sustainability Initiative Capital	\$137,620	\$1,064,021
Municipal Sustainability Initiative Operating	0	\$54,100
Federal Gas Tax Fund	\$490,573	\$325,631
Basic Municipal Transportation Grant	0	\$344,880

Please refer to the attached grant continuity spreadsheets to review the multi-year allocation of desired projects under the Municipal Sustainability Initiative (MSI) program and the Federal Gas Tax Fund (FGTF).

Should Council approve all of the proposed items in the 2014 Capital Budget as presented, major capital grant availability levels will be impacted as follows:

	<u>2014/15</u>	
Municipal Sustainability Initiative (MSI) (* less Vac truck residual \$70,000)	(\$77,598)	* over-spent to 2015/16
Federal Gas Tax Fund (FGTF)	\$78,570	under-spent
Basic Municipal Transportation Grant (BMTG)	0	formerly SIP @ \$344,880/year

Over and under allocations/expenditures from MSI and the FGTF can be carried forward to the following year. Any unallocated grants are available to cover budget to actual adjustments, funding source changes during the year, as well as future project considerations.

The reality of the challenge facing the Town is that there are too many future projects for the amount of expected and uncertain grant monies available. Unless the provincial funding is increased Council will need to prioritize projects thereby postponing some to future years. At this time the Premier and the Prime Minister has committed funds as promised to municipalities. Although Administration is optimistic, it remains uncertain as to just how much funding will be available in the next few years.

2. 2014 Road Improvement Program

The 2014 Capital Budget includes \$1,205,000 towards the following Road projects:

1. Completion of phased 50 th Ave Downtown C1A District	\$220,120	MSI
	<u>\$344,880</u>	BMTG
	\$600,000	
2. 45 th Ave – Hwy 56 to 57 th St	\$385,000	MSI
3. 57 th St 44 th Ave to 46 th Ave	<u>\$255,000</u>	FGTF
	\$1,205,000	

Refer to the MSI & FGTF continuity spreadsheets for 2015 & 2016 future project options (overspent).

3. 2014 Water and Sanitary Program

The 2014 Capital Budget includes \$830,000 towards the following utility projects:

1. Various minor capital for the Water Treatment Plant	\$145,000	Surplus
2. Water Reservoir (In-Town) Sealing	\$175,000	FGTF
3. Water & Sanitary Mains 48 th Ave Hwy 12 to 56	<u>\$510,000</u>	MSI
	\$830,000	

Refer to the MSI & FGTF continuity spreadsheets for 2015 & 2016 future project options (overspent).

4. Future Drainage Improvements

The 2013 and 2014 – 2016 Capital Budgets continue to prioritize the following drainage projects:

• 2013 Storm Main replacement Blair Boulevard	\$975,000	MSI
• 2013 Storm improvements in Meadowlands	\$15,000	General
• 2013 Storm Main on 50 th Ave./ 49 St. Phase 2	\$110,000	MSI
• 2014 none	\$0	
• 2015 Storm Main 43 rd Ave. 63 St. to 65 St.	\$450,000	MSI ?
• 2015 Inter Municipal Basin Study (Town Share)	\$125,000	Regional
• 2016 Storm Main improvements	\$350,000	MSI ?

These projects address only a portion of our drainage issues currently identified in the recently completed Storm Water Master Plan. More resources will certainly be required in future years to mitigate our risks.

5. Skate Park Development

The 2014 Capital Budget proposes construction of a new Skate Park project with a design scope costing \$400,000 (maximum), with phasing options to reduce the scope down to \$300,000.

Therefore the 2014 Capital Budget proposes additional Town funding support up to \$125,000 for the development of a new Skate Park. The amount will depend upon the scope selected. A summary of existing and proposed sources of funding are as follows:

	<u>Realized</u>	<u>Unrealized</u>	<u>Total</u>
2012 Town of Stettler contribution to reserve	\$50,000		\$50,000
2013 Town of Stettler contribution to reserve	\$25,000		\$25,000
2014 Town of Stettler contribution	<u>0</u>	* \$125,000	<u>\$125,000</u>
	\$75,000		\$200,000
Subject to scope (\$25,000 to \$125,000)			
2013 CFEP grant secured	\$75,000		\$75,000
2012/13 Association fundraising secured	\$60,000		\$60,000
2013/14 Association fundraising	<u>0</u>	* \$65,000	<u>\$65,000</u>
	\$135,000		\$200,000
Total	\$210,000	\$190,000	\$400,000

The park's phased concrete design & scope, qualified contractor, as well as the preferred site on Town lands have already been selected and approved. Although the project can be constructed in phases, the ultimate cost will increase if the phasing option is undertaken (largely due to mobilization and efficiencies lost).

Phase 1	Partial large heart design	\$300,000
Phase 2	Complete the large heart	\$50,000
Phase 3	Attach smaller heart bowl	<u>\$50,000</u>
		\$400,000

The ability to undertake this project in 2014 will depend largely on the desired scope/phasing of the project, the association undertaking further successful fundraising activities, the Town's proposed 2014 contribution amount, and possibly a contribution from the County on behalf of their users.

It must be emphasized that the 2014 Capital Budget requires that the Skate Park Association needs to raise additional funds depending on the scope selected together with the amount of additional funding approved by Council. What will be Council's position if they do not?

6. Pathway Development/Expansion

The 2014 – 2016 Capital Budgets include \$100,000 per year as a commitment towards the construction and or upgrade of connecting pathways as per the Town's Trail Master Plan that was accepted by Council in September 2010.

As previously discussed with Council, the Trail Master Plan is a living document that is a long term a work in progress with annual priorities to be determined each year.

7. Arts & Culture Annual Allocation

The 2014 – 2016 Capital Budgets include \$15,000 per year as a commitment towards Arts & Culture projects. At the end of 2013 the Town will have saved \$60,000 in reserve funds, with few projects on the horizon. Our last financial culture contribution was towards the Performing Arts Centre renovation recently undertaken by the Clearview Public Schools.

An update to the Community Hall is not included in the 2014 – 2016 Capital budget, however will be required sooner than later to ensure that we maintain an attractive, clean and modern facility. This facility has been used for numerous cultural events.

8. Cemetery Road Upgrade Reserve reclassified to West Stettler Park Mirroring

The Town has previously allocated \$150,000 in a capital reserve to jointly undertake upgrades to the Cemetery Road. A reduction in the overall project scope was discussed with the County in 2010 due to the road no longer being eligible for the Rural Resource Roads Grant. The project did not move ahead in 2011, 2012 or 2013.

Although Council can reallocate this existing reserve to any project, Administration recommends that this reserve be saved and used as initial funding for the design and phased mirroring of West Stettler Park.

Local developer Steve Wilfort has committed to designate approximately 22 acres for natural parkland on his southeast boundary. A westerly expansion of our pathway network would integrate well with adjacent County Residential lands and should therefore be considered as a joint project with the County of Stettler.

9. Downtown Streetscape Continuation

The 2012 Capital Budget previously included \$460,000 (MSI) to complete the south end of the block at the north end of Main Street, and another \$535,000 (BMTG/SIP & FGTF) for 51st Street north of the Post Office.

The 2013 and 2014 Capital Budgets do not include any Downtown Streetscape improvements as a priority project. \$600,000 has been included in 2015 provided grant funding allocations are available (BMTG \$344,880 & over subscribed MSI \$255,120).

10. Hydro-Vacuum Truck Replacement

The 2014 Capital Budget includes \$410,000 from MSI towards the replacement of our existing Hydro-Vacuum Truck. This unit serves multiple departmental needs on a regular basis and due to its heavy workload, age & hours requires substantial annual repairs and maintenance (2013 \$60,000). The existing truck currently has some residual value (approximately \$70,000). The 2014 Capital Budget does not reflect this residual value however MSI funding can be reduced once the actual residual value is secured.

Alternative financing could include (10 year) borrowing based on life expectancy; impacting future operating budgets by approximately \$50,000 per year for repayment. Debenture borrowing would also free up MSI for other priorities.

11. Self Propelled Lift

The 2014 Capital Budget includes \$60,000 to purchase a new 40' self-propelled Genie lift to be used by multiple departments. Since our last lift failed a number of years ago the Town has annually rented lifts on a case by case basis for its external maintenance needs.

At the request of Council, this item was discussed at Committee of the Whole on September 10th, 2013. At that time Committee was informed that over the past 3 years the Town has paid approximately \$25,000 in rental costs for lifts. Town Council has questioned lift rental expenditures in the past and has asked that a lift equipment ownership option be considered during the Capital Budget process.

The main advantage of the Town owning its own lift is scheduling convenience primarily for tree trimming & Christmas lighting. Unit ownership/availability makes it easier to manage seasonal work priorities, as well as to respond to immediate challenges relating to weather more efficiently. The main disadvantage is the higher average total cost of ownership (capital + annual servicing + insurance) given the vast amount of time the unit would sit unused.

12. Fire Department Equipment Renewal

The 2014 Capital Budget includes \$709,000 for the ordering our next new Fire Truck in 2014 with possession likely in early 2015. The new source of funding for this truck is debenture borrowing from ACFA, likely in the fall of 2014.

Historical background:

The Town has previously saved \$500,000 (by the end of 2013), with an additional \$209,000 in savings being otherwise required over 2014 & 2015.

The 2014 Capital Budget recommends long term borrowing for this Fire Truck thereby allowing Town Council to reclassify the previous savings of \$500,000 towards the SRC project shortfall, and at the same time eliminates the need for a further \$209,000 in savings over 2014 & 2015.

This alternative source of debt financing over 15 years is based on ACFA maximum term rules for fire equipment and the Fire Underwriters normal life expectancy. This new borrowing will impact future operating budgets by approximately \$61,000 per year for repayments.

As previously discussed with Council, the Town has pre-purchased \$700,000 USD in corporate cash flow to crystallize our currency exchange conversion/ tender allowances as follows:

	<u>USD</u>	<u>CDN</u>	<u>Savings</u>
Un-used from previous Fire Engine :	\$20,755	\$20,828	(\$73)
1 st purchase USD:	\$479,274	\$462,739	\$16,535
2 nd purchase USD:	<u>\$200,000</u>	<u>\$190,520</u>	<u>\$9,480</u>
	\$700,000	\$674,087	\$25,942

13. Stettler Regional Child Care Centre

Administration has been approached by representatives of the daycare who are in the process of determining costs for a small expansion (upon lands owned by the Town). Once determined, and provided the financial repayment burden would be acceptable within their operating economics, they will ask Council to consider making them a loan; like the one they received for constructing the original facility.

14. Stettler Recreation Centre (SRC) Phase 1 Funding Shortfall and Phase 2 Future Savings

The 2011 – 2013 Capital Budgets saved \$1,345,000 towards the current modernization and expansion upgrades underway in the SRC. The Library, Seniors Centre, Parking Lot and Foyer are the focus in Phase 1 of the project with an expected final cost totaling \$2,346,825.

The 2015 & 2016 Capital Budgets include initial annual savings of \$250,000 towards the next phase of modernization upgrades to our aging SRC facility. Phase 2 upgrades for the arena/ice side of the facility are anticipated to be in the \$3 to \$4 million dollar range. Finding funding sources will certainly be our greatest challenge.

Our SRC complex is simply a jewel for a community our size. Given the age of the original section of the building (1993), numerous modernization upgrades are needed to the structure and the mechanical system to ensure the facility operates efficiently and will continue to represent the pride in our community well into the future.

15. Future Utility Trunk Main Extensions

The 2014 Capital Budget does not commit any available resources towards extending growth related municipal infrastructure. Some of this infrastructure will be installed at the expense of developers while a significant amount will have to be borne through Offsite levies together with long term debt. When needed, Council will likely have to increase utility rates to pay for associated annual debt servicing costs.

The 2015 Capital Budget includes \$600,000 towards Sanitary & Water extensions, subject to the availability of (currently overspent) grants. Regardless, in the foreseeable future Council will need to determine when it will be in the community's best interest to commit resources towards utility extensions. At that time (given the nature of this project) we hope that some of the costs will be eligible for Municipal Water Wastewater funding at 42%, and we expect that we will have \$250,000 to \$350,000 available from sewer offsite levies (currently \$170,000). County Administration has expressed some initial awareness of the value and need in collecting offsite levies on growth related expansion.

The overall scope of this project could be expanded to ensure appropriate long term infrastructure decisions are made in the future.

16. Future Land Development (Industrial & Residential)

The 2014 – 2016 Capital Budgets do not include any funding allocations towards the Town re-entering the land development market. It is anticipated that the Town will end 2013 with a little better than \$1 million dollars in the (realized) Land Development Reserve.

Our Planning and Development Department has commenced initial high level conceptual servicing design and public input relating to the development of a future industrial subdivision in the north east quadrant of Stettler; immediately to the north of the rail tracks and surrounded by the ring road (55th Ave & 38th St).

The Town currently has the following investment in unrealized land developments:

• Meadowlands - Agreement for Sale	\$700,000
• Meadowlands - 8 Town owned lots unsold	\$499,000
• Emmerson Acres - 3 Town owned lots unsold	\$225,600
• Emmerson Acres - partially serviced 53 lots @ \$10,000 per lot	\$530,000
• NE Industrial (0 lots unsold; potential to sell 1.5 acre snow pile lot)	?
• NE Industrial (128 acres undeveloped @ \$10,000 per acre)	\$1,280,000

It should be noted that land development initially costs a lot of servicing money that is not recovered until a majority of the newly created lots are ultimately sold. The Town's profit can sit unrealized for many years therefore the Town should only consider getting back into land development on a community growth/need basis.

17. 2013/14 Pavement Local Improvement - Town Share

The 2014 Capital Budget includes \$84,905 representing the Town's share of the \$385,000 pavement Local Improvement initiated & advertised in 2013; construction was delayed to 2014.

The intention of this Local Improvement is to pave the Town's newest industrial park (by ATCO): 50th Ave from 42nd St to 38th St. However, the section of road along 42nd St from 49th Ave to 50th Ave (fronting the Clearview School Bus Garage) must be paved as well per Town policy that requires a pavement to pavement connection.

For background information purposes the Town was the developer of the industrial subdivision. In order to keep lot pricing affordable, Council of the day determined that paving would be postponed until a more critical mass of business existed. Pavement therefore would be initiated as a local improvement project at a later time (being 2013). Local Improvement projects for paving are paid 100% by abutting property owners.

The Town when initiating this Local Improvement process earlier in 2013 included for fairness purposes some (deferment) relief to a couple of otherwise affected properties under unique circumstances.

4 of 11 affected property owners being: ATCO Electric, Alta Gas, Clearview Public Schools & the Town all support this paving project and represent 94.5 % of the assessed value with a 65% share of the frontage costs. Given this, there was no opportunity for the remaining property owners to stop the process with a valid petition.

Most of the opposing feedback was expressed by three (3) property owners that are not part of the industrial subdivision but rather are along the connecting road (42nd St). One (1) other business property owner was relatively neutral.

In summary, local area affected property owners did not (and could not effectively) petition against this work, however three (3) owners verbally communicated their displeasure with having to pay for pavement that they don't want. Of these three (3) property owners, two (2) of them are operating commercial activities.

Town Council, under the circumstances, may desire to re-review the funding apportionment share of this Local Improvement project prior to undertaking the work in 2014.

Year	Estimated	Description	
Revenue			
2007	(41,495.00)	2007 Operating Grant	(41,495.00)
2007	(123,446.00)	2007 Core Capital Grant	(246,892.00) Year 1
2007	(74,068.00)	2007 Community Capital	
2007	(49,378.00)	2007 Co-ordination (Joint)	
2007	0.00	2007 Interest on operating	(168.00)
2008	(200,771.00)	2008 Operating Grant	(200,771.00)
2008	(546,041.00)	2008 Capital Grant	(546,041.00) Year 2
2008	0.00	2008 Interest Earned	(9,165.00)
2009	(200,771.00)	2009 Operating Grant	(223,096.00)
2009	(670,716.00)	2009 Capital Grant	(424,099.00) Year 3
2009		2009 Interest Earned	(64.74)
2010	(200,771.00)	2010 Operating Grant	(263,073.00)
2010	(1,736,548.00)	2010 Capital Grant	(1,056,814.00) Year 4
2010		2010 Interest Earned	(1,469.35)
2011	(200,771.00)	2011 Operating Grant	(91,335.00)
2011	(1,736,548.00)	2011 Capital Grant	(1,064,021.00) Year 5
2011		2011 Interest Earned	(6,974.38)
2012		2012 Operating Grant	(91,335.00)
2012		2012 Capital Grant	(1,064,021.00) Year 6
2012		2012 Interest Earned	(16,191.47)
2013		2013 Operating Grant	(91,335.00)
2013		2013 Capital Grant	(1,064,021.00) Year 7 ?
2013		2013 Interest Earned	
2014		2014 Operating Grant	(54,100.00)
2014		2014 Capital Grant	(1,064,021.00) Year 8 ?
2014		2014 Interest Earned	
2015		2015 Operating Grant	(27,050.00)
2015		2015 Capital Grant	(1,064,021.00) Year 9 ?
2015		2015 Interest Earned	
2016		2016 Operating Grant	0.00
2016		2016 Capital Grant	(1,064,021.00) Year 10 ?
2016		2016 Interest Earned	
TOTAL	(5,781,324.00)		(7,620,502.94)
Expense			
2007	0.00		0.00
2007	246,892.00	Unallocated year 1 only	288,555.00
	246,892.00		0.00
2008	156,640.00	Tandem Dump Truck	156,640.00
2008	300,000.00	Fire Hall Expansion - Bay	257,859.00
2008	451,440.00	Town Office	380,764.00
2008	(90,592.00)	Over Allocated year 2 only	(39,286.00)
	817,488.00	2008 unallocated carry to 2009	795,263.00
2009	185,000.00	Loader Replacement #25	145,135.00
2009	548,560.00	Town Office	619,236.00
2009	0.00	Fire Hall Expansion - Bay	59,384.00
2009	137,927.00	Unallocated year 3 only	(176,495.26)
	871,487.00	Unallocated with carry forwards	823,755.00
2010	230,000.00	Grader Replacement	206,334.00
2010	150,000.00	Tandem Truck - Unit 19 replacement	168,537.00
2010	87,500.00	2010 Street Improvement Program	95,957.00
2010	293,889.00	Fire Hall Renovation #2 April 2010	227,023.00
2010	178,230.00	Sewage Lagoon Upgrades	0.00
2010	35,000.00	Sewer Main 51 Ave - 57 to 61 Street engineering	23,995.00
2010	155,000.00	Water Main 50A Ave. 60-61 Street	150,886.00
2010	871,819.00	Unallocated year 4 only	448,624.35
	2,001,438.00	Unallocated with carry forwards	872,732.00
			521,398.09

2011	75,000.00	Sewer Main 51 Ave - 55 to 56 Street	76,882.50	
2011	347,000.00	Sewer Main Replace 55 Street Lane	104,577.14	
2011	408,000.00	Downtown Streetscape North 1/2 block	15,915.87	
2011	160,000.00	Flood Protection Red Willow Creek	0.00	
2011	1,600,000.00	Red Willow Creek Culvert repairs	219,161.17	
2011	118,500.00	Fire Hall Parking & Training Outdoor Area	0.00	
2011	0.00	Fire Hall Renovation #2 carryfwd 2010	0.00	
2011		Unallocated year 5 only		<u>738,819.32</u>
	<u>2,708,500.00</u>	Under allocated with carry forwards	416,536.68	1,260,217.41
2012	0.00	Sewer Main Replace 55 Street Lane CF 2011	0.00	
2012	52,000.00	Downtown Streetscape North 1/2 block	348,715.60	
2012	110,000.00	Ext Sanitary Sewer 47 Ave Industrial	0.00	
2012	320,000.00	Watermain 50 Ave - 46 to 49 St Phase 1	251,633.61	
2012	200,000.00	Storm Main Replace Recreation RD	11,976.90	
2012	80,000.00	Storm Main 50 Ave from 46-49 St Phase 1	460.00	
2012	75,000.00	Water Reservoir Sealing	20,639.45	
2012	60,000.00	2012 Street Improvement Program	49,924.10	
2012		Shop addition - Mechanics Bay	9,875.00	
2012	0.00	Over allocated Year 6 only	0.00	<u>478,322.81</u>
		Under allocated with carry forwards	693,224.66	1,738,540.22

2013	200,000.00	Sewermain 50 Ave & 47th St	100,000.00	
2013	100,000.00	Watermain 50 Ave - 46 to 49 St Phase 2	200,000.00	
2013	40,000.00	Storm Main 50 Ave from 46-49 St Phase 2	110,000.00	
2013	140,000.00	Water Main Hwy 56 (Provincial Paving)	130,500.00	
2013	600,000.00	Shop addition - Mechanics Bay	653,000.00	
2013	116,000.00	Raw Water Intake (redesign pending)	0.00	
2013	14,500.00	Raw Water Intake Access (redesign pending)	0.00	
2013	0.00	Storm Main Replace Recreation RD CF 2012	188,023.10	
2013	0.00	Ext Sanitary Sewer 47 Ave Industrial CF2012	110,000.00	
2013	600,000.00	Storm Main Blair Boulevard	975,000.00	
2013	225,000.00	Paving Program	100,000.00	
2013	200,000.00	Loader Replacement #67	189,753.00	
	0.00	Under allocated Year 7 only	0.00	(1,600,920.10)
		Under allocated with carry forwards	2,756,276.10	137,620.12
2014	250,000.00	Sewer Main 48 Ave - Hwy 12 to 56	250,000.00	
2014	250,000.00	Water Main 48 Ave - Hwy 12 to 56	260,000.00	
2014	175,000.00	Water Reservoir Sealing to FGTF	0.00	
2014	214,420.00	2014 Street Improvement Program to FGTF	0.00	
2014	440,000.00	Vac Truck Replacement	410,000.00	
2014	500,000.00	SRC Upgrades	0.00	
2014	200,000.00	Storm Main Improvements	0.00	
2014	0.00	Sewer Main Replace 55 Street Lane CF 2011	28,339.00	
2014	385,000.00	Road Reconstruct 45 Ave - Hwy 56 to 57 St	385,000.00	
2014	340,000.00	Road Reconstruct 57 St - 44 to 46 Ave to FGTF	0.00	
2014				
2014	0.00	Over allocated Year 8 only		(215,218.00)
		Over allocated with carry forwards	1,333,339.00	(77,597.88)
2015	600,000.00	Downtown Streetscape Phase 3	255,120.00	+ BMTG of \$344,880
2015	260,000.00	Sweeper	260,000.00	
2015	330,000.00	Sewer Main 51 Ave - 57 to 61 Street	330,000.00	
2015	425,000.00	Water Main 51 Ave - 57 to 61 Street	425,000.00	
2015	150,000.00	Road Reconstruct 63 St - 40 to 41 Ave	150,000.00	
2015	350,000.00	Storm Main 43 Ave - 63 - 65 St	450,000.00	
2015	300,000.00	Sanitary Extensions North Phase 1	130,000.00	+ Offsites \$170,000
2015	300,000.00	Watermain Extension North Phase 1	300,000.00	
2015	0.00	Over allocated Year 9 only		(1,209,049.00)
		Over allocated with carry forwards	2,300,120.00	(1,286,646.88)
2016	250,000.00	Downtown Parking Lot Design & Const	250,000.00	
2016	1,487,000.00	Road Reconstruct 51 Ave - 57 to 61 St	1,142,120.00	+ BMTG of \$344,880
2016	80,000.00	51 Avenue Watermain looping	80,000.00	
2016	330,000.00	Sanitary Main 57A St - 46 to 47 Ave	330,000.00	
2016	100,000.00	Water Main 46 St - Hwy 56 to 51A Ave	100,000.00	
2016	325,000.00	Water Main Hwy 56 - 49 to 53 St	325,000.00	
2016	350,000.00	Storm Main Improvements	350,000.00	
2016	180,000.00	Multi-Use Truck	180,000.00	
2016	200,000.00	Backhoe Replacement	-	
2016	0.00	Over allocated Year 10 only		(3,993,219.00)
		Over allocated with carry forwards	5,057,240.00	(5,279,865.88)

Year	Estimated	Description		
Revenue				
2005	(93,723.00)	2005 Grant	(93,723.00)	
2006	(93,723.00)	2006 Grant	(93,723.00)	
2007	(125,019.00)	2007 Grant	(125,019.00)	
2008	(150,641.00)	2008 Grant	(150,640.00)	
2008		2011 Interest Earned Cumulative	(10,251.58)	
2009	(301,084.00)	2009/10 Grant	(301,084.00)	
2010	(325,631.00)	2010/11 Grant	(325,631.00)	
2011	(325,631.00)	2011/12 Grant	(325,631.00)	
2012	(325,631.00)	2012/13 Grant	(325,631.00)	
2013	(325,631.00)	2013/14 Grant	(325,631.00)	
2014	(325,631.00)	2014/15 Grant		
2015	(325,631.00)	2015/16 Grant		
TOTAL	(2,717,976.00)		(2,076,964.58)	
Expense			Unallocated	
2007				
2007				
	0.00		0.00	
2008	168,000.00	Twin Force Main to Lagoon 56%, also WWW 44%	164,636.00	
2008	144,465.00	Reservoir Piping, with AMIP 37%	147,829.00	
2008		Unallocated		10,251.58
	312,465.00		312,465.00	
2009	451,725.00	Sustainability Plan Required & Completed		451,725.00
2009		Twin Force Main to Lagoon, also 44% above	97,407.00	
2009		North Main Street Road Rehab	150,024.00	
2009		Unallocated at end of first 5 years		214,545.58
	451,725.00		247,431.00	
2010	0.00		0.00	
2010		Unallocated at end of 2010		540,176.58
	0.00		0.00	
2011	849,840.00	Road Replacement 50A Ave 57-61 Street	370,857.58	
2011	208,000.00	Sewer Main Replace 55 St. Lane, also MSI	0.00	
2011		Unallocated at end of 2011		494,950.00
	1,057,840.00		370,857.58	
2012	0.00	Sewer Main Replace 55 St. Lane, also MSI CF2011	120,486.00	
2012	184,420.00	Roadwork 51 St from 50-51 Ave	65,189.00	
2012	100,000.00	51 Ave Lane from 51-52 Street	70,844.00	
2012		Unallocated at end of 2012		564,062.00
	284,420.00		256,519.00	
2013	374,921.00	2013 Roaway Improvements 50 Ave	390,120.00	
2013	0.00	Roadwork 51 St from 50-51 Ave CF 2012	9,000.00	
2013		Unallocated at end of 2013		490,573.00
	374,921.00		399,120.00	
2014	214,420.00	2014 Roadway Improvements 50 Ave from MSI	220,120.00	+ BMTG of \$344,880
2014	340,000.00	Road Reconstruct 57 St - 44 to 46 Ave from MSI	255,000.00	
2014	175,000.00	Water Reservoir Sealing from MSI	175,000.00	
2014	0.00	Sewer Main Replace 55 St. Lane, also MSI CF2011	87,514.00	+ Reserve \$232,007
2014				78,570.00
	729,420.00		737,634.00	
2015				
2015				404,201.00

TOWN OF STETTLER
ESTIMATED RESERVE STATEMENT

	Balance 31-Dec-12			Estimated 2013 Transactions	Est. Balance 31-Dec-13
<u>FN Capital Reserves</u>					
12 Computer Upgrade	69,666	26,900	-35,000	-8,100	61,566
23 Fire Hall	87,253		-50,000	-50,000	37,253
24 Disaster Services	6,008			0	6,008
31 Chain Link Fence	9,646			0	9,646
43 Compost Bins/Pads	10,000			0	10,000
61 GIS System	6,704			0	6,704
23 Fire Equipment	400,000	100,000		100,000	500,000
37 Drainage	14,582			0	14,582
73 Leisure Center	807,486	250,000	-1,057,486	-807,486	0
42 Sewer	0			0	0
66 Meadowlands	57,948		-57,948	-57,948	0
74 Community Hall	8,964		-8,964	-8,964	0
77 Campground	22,571			0	22,571
74 Library Expansion	195,000		-195,000	-195,000	0
77 ML Sports Park	62,960	4,492	-67,452	-62,960	0
74 Seniors Centre	150,000		-150,000	-150,000	0
41 Water Dispensing	3,220			0	3,220
32 Cemetery Road	150,000			0	150,000
32 Entrance Sign	40,082		-40,082	-40,082	0
77 Fishing Pier	17,192			0	17,192
41 East Ind Water	80,000		-80,000	-80,000	0
77 Memorial Park Fence	0	15,000		15,000	15,000
77 Skateboard Park	50,000	25,000		25,000	75,000
73 SRC TV/Projection	0	6,000	0	6,000	6,000
Total Capital Reserves	\$2,249,282			(\$1,314,540)	\$934,742
<u>Operating Reserves</u>					
21 RCMP - Criminal Records Fee	33,172	6,640	-450	6,190	39,362
23 Rescue Van	34,365	19,000	-8,625	10,375	44,740
42 Sewer General	232,007			0	232,007
56 Perpetual Care	45,319	5,200		5,200	50,519
61 West Stettler Planning	44,000			0	44,000
69 Market Corp Building Maintenance	19,800	2,200		2,200	22,000
73 Leisure Centre Building Maintenance	10,000	12,000	-10,000	2,000	12,000
74 Culture	45,000	15,000		15,000	60,000
21 RCMP - Contract	75,000			0	75,000
32 Street Light Replacement	69,070		-49,810	-49,810	19,260
64 Beautification	13,139			0	13,139
97 General Reserve	1,991,686		-371,475	-371,475	1,620,211
12 Office Automation	8,042		0	0	8,042
41 Reservoir Coat Exterior	40,000			0	40,000
42 Sewer Offsite	168,570			0	168,570
66 Land Development	1,103,967		-58,647	-58,647	1,045,320
73 Playground	3,000			0	3,000
77 Tree Maintenance	4,800			0	4,800
64 Physician Recruitment	20,000			0	20,000
12 ARB	4,000	2,000		2,000	6,000
41 WTS Operations	96,942		-11,677	-11,677	85,265
32 Slurry Seal	23,434			0	23,434
61 SE Area Structure	0	50,000		50,000	50,000
56 Cemetery Leveling		8,000		8,000	8,000
31 Land Farm	7,650	0		0	7,650
Total Operating Reserves	\$4,092,963			(390,644)	\$3,702,319

TOWN OF STETTLER
ESTIMATED DEBT LOAD

DEBENTURE #	BY-LAW #	DESCRIPTION	INTEREST RATE	COVERING YEARS			BEGINNING DEBT BALANCE	2014		PAYMENT DATE	ENDING DEBT BALANCE	FUNCTION
				BEGIN	END	YEARS		PRINCIPAL	INTEREST			
80	1788	Wetlands	5.500	2000	2019	20	224,060.14	32,528.81	12,323.31	Feb-01	191,531.33	42
81	1811	Outfall Lines	6.500	2000	2019	20	109,838.19	15,549.62	7,139.48	Dec-01	94,288.57	42
83	1841-01	Parkdale Roads Upgrade	6.000	2002	2021	20	160,334.25	16,199.51	9,620.06	Dec-17	144,134.74	32
84	1840-01	Watermain Extension	6.000	2002	2021	20	31,679.78	3,200.79	1,900.79	Dec-17	28,478.99	41
85	1852-02	2002 Jiro	5.750	2003	2022	20	50,578.41	4,447.18	2,908.26	Dec-02	46,131.23	42
86	1863-02	2002 WTP Upgrade	5.875	2004	2023	20	55,454.09	4,231.95	3,257.92	Feb-03	51,222.14	41
87	1862-02	2002 Paving	5.875	2004	2023	20	127,600.05	9,737.72	7,496.51	Feb-03	117,862.33	32
88	1871-03	2003 WTP Upgrade	5.625	2004	2023	20	126,699.39	9,783.02	7,126.84	Dec-15	116,916.37	41
89	1871-03	2004 WTP Upgrade	4.923	2005	2024	20	24,948.66	868.13	614.11	Jun-15	n/a	41
								889.50	592.74	Dec-15	23,191.03	
90	1889-04	2004 East Ind Sewer	4.923	2005	2024	20	322,561.10	11,223.95	7,939.84	Jun-15	n/a	42
								11,500.23	7,663.56	Dec-15	299,836.92	
93	1927-06	2006 Leisure Centre	4.699	2007	2026	20	992,664.69	28,131.31	23,322.66	Mar-15	n/a	73
								28,792.26	22,661.71	Sep-15	935,741.12	
94	1940-06	2006 Pavement Local Imp	4.699	2007	2026	20	222,814.92	6,457.81	4,862.94	Jun-15	n/a	32
								6,598.76	4,721.99	Dec-15	209,758.35	
95	1926-06	Town Office	4.252	2010	2030	20	870,643.60	18,470.00	18,509.88	Jun-15	n/a	12
								18,862.67	18,117.21	Dec-15	833,310.93	
96	1970-08	WTP Upgrade	4.269	2011	2031	20	2,244,448.56	43,779.85	47,907.75	Mar-15	n/a	41
								44,714.33	46,973.27	Sep-15	2,155,954.38	
97	1998-10	Lagoon Upgrade	4.269	2011	2031	20	631,969.82	12,327.10	13,489.40	Mar-15	n/a	42
								12,590.23	13,226.27	Sep-15	607,052.49	
98	1999-10	Lagoon Storage Cells	4.269	2011	2031	20	526,896.67	10,277.56	11,246.61	Mar-15	n/a	42
								10,496.94	11,027.23	Sep-15	506,122.17	
99	2016-11	LI - Sidewalk 51 Street	3.452	2011	2031	20	20,508.62	427.92	322.50	Jun-15	n/a	32
								434.65	315.77	Dec-15	19,646.05	

TOWN OF STETTLER
ESTIMATED DEBT LOAD

DEBENTURE #	BY-LAW #	DESCRIPTION	INTEREST RATE	COVERING YEARS			BEGINNING DEBT BALANCE	2014 PRINCIPAL	2014 INTEREST	PAYMENT DATE	ENDING DEBT BALANCE	FUNCTION
				BEGIN	END	YEARS						
100	2017-11	LI - Sidewalk 51 Street	2.659	2011	2021	10	17,337.81	992.96	199.90	Jun-15	n/a	32
								1,004.40	188.46	Dec-15	15,340.45	
101	2035-12	LI - Water/Sewer 44 Ave	3.033	2013	2033	20	313,830.38	5,959.65	4,759.24	Mar-15	n/a	41/42
								6,050.03	4,668.86	Sep-15	301,820.70	
102	2036-12	LI - Water/Sewer 50 St	3.033	2013	2033	20	187,001.87	3,551.18	2,835.88	Mar-15	n/a	41/42
								3,605.03	2,782.03	Sep-15	179,845.66	
* As of Dec 31/14							7,261,871.00	383,685.05	320,722.98		6,878,185.95	
B		Fire Truck	3.426	2014	2029	15	709,000.00	0.00	0.00	Jun-15	n/a	23
								18,276.09	12,145.17	Dec-15	690,723.91	
C		LI - Pavement	3.866	2014	2034	20	242,000.00	4,065.01	4,677.86	Jun-15	n/a	32
							n/a	4,143.59	4,599.28	Dec-15	233,791.40	
							8,212,871.00	410,169.74	342,145.29		7,802,701.26	

TOWN OF STETTLER
CAPITAL FUNDING REQUIREMENTS
2014 - 2016

Capital Item	Net Cost	General Reserves	Other Reserves	Debenture/ Other	Comments
<u>Possible 2014 Projects</u>					
<u>Sewer</u>					
Sewermain Replace - 48 Ave from Hwy 12 to 56	250,000			250,000	MSI
<u>Water</u>					
Water Reservoir Sealing	175,000			175,000	FGTF
Watermain Replace - 48 Ave from Hwy 12 to 56	260,000			260,000	MSI
<u>WTP</u>					
Crane Improvements	10,000			10,000	Utility Surplus
Raw Water Flow Meter Installation	25,000			25,000	Utility Surplus
Membrane Feed Pump 2 Repairs	10,000			10,000	Utility Surplus
Raw Water Intake Pipe Replace	100,000			100,000	Utility Surplus
<u>Administration</u>					
Computer Replacement Plan	35,000		35,000		Computer Capital
Laser Printer Replacement	5,000		5,000		Computer Capital
<u>Parks & Leisure Services</u>					
Arts & Culture Allocation	15,000	15,000			
Skateboard Park	400,000		75,000	325,000	CFEP \$75,000 Utility Surplus \$25-125,000 Fundraising \$125,000
MUA Replacement in Blue Rink	100,000	100,000			
Downtown Park	90,000	90,000			
SRC Updating 2013-2014	2,346,825		1,345,000	1,001,825	Capital Reserve \$1,345,000 Fire Capital \$500,000 County \$140,000 Federal Grant \$250,000 Utility Surplus \$111,825
Picnic Tables	12,000	12,000			
Bobcat	45,000	45,000			
Self Propelled Lift	60,000	60,000			
Pool Rooftop Unit	15,000	15,000			
Pathway System Improvements	100,000	100,000			
<u>Public Works</u>					
5 Ton Crane	45,000	45,000			
Recycle Concrete Material	150,000	150,000			

**TOWN OF STETTTLER
CAPITAL FUNDING REQUIREMENTS
2014 - 2016**

Capital Item	Net Cost	General Reserves	Other Reserves	Debenture/ Other	Comments
Pavement Patching Program	150,000	150,000			
Roadway Improvements	1,205,000			1,205,000	BMTG \$344,880 FGTF \$475,120 MSI \$385,000
Hydrovac Replacement	410,000			410,000	MSI less residual estimated at \$70,000
Sidewalk Replacement Program	130,000	55,000		75,000	Operating Budget
LI 50 Ave/42-38 St. Town Share	84,905		84,905		LDR
<u>Fire Department</u>					
Fire Truck (2014-15)	709,000			709,000	Debenture ?
Miscellaneous Equipment	27,000	27,000			
Thermal Imaging Hand Held Camera	19,500	9,750		9,750	County of Stettler
Self Contained Breathing Air Packs	167,500	41,000		126,500	Utility Surplus
2014 Total	7,151,730	914,750	1,544,905	4,692,075	
<u>Possible 2015 Projects</u>					
<u>Sewer</u>					
Sewermain Extensions - North Stettler	300,000			300,000	MSI \$130.000 Offsite Levies \$170,000
Sanitary Main Replace. 51 Ave (57 -61 St.)	330,000			330,000	MSI
<u>Water</u>					
Watermain Extension - North Stettler	300,000			300,000	MSI
Watermain Replace - 51 Ave (61 St - 57 St)	425,000			425,000	MSI
<u>WTP</u>					
Raw Water Pump Variable Frequency Drive	20,000			20,000	Utility Surplus
Cathodic Protection of Raw Water Pumphouse	20,000			20,000	Utility Surplus
WTP & Raw Water Pumphouse Exterior Repairs	50,000			50,000	Utility Surplus
Distribution Pump - Utility Power Trsf	50,000	50,000			
<u>Drainage</u>					
Inter Municipal Basin Study	125,000	125,000	- 22 -		

Capital Item	Net Cost	General Reserves	Other Reserves	Debenture/ Other	Comments
Storm Main Improvements	450,000			450,000	MSI
Planning					
Streetscape Phase 3 - Design & Const.	600,000			600,000	MSI \$255,120 BMTG \$344,080
Administration					
Computer Replacement Plan	14,000		14,000		Computer Capital \$14,000
Photocopier Replacement	20,000	20,000			
Parks & Leisure Services					
Heating Units Replacement - Two	40,000	40,000			
Arts & Culture Allocation	15,000	15,000			
Picnic Tables	12,000	12,000			
Energy Management System	27,500	27,500			
Phone System at PLS Office	8,000	8,000			
Climbing Wall	25,000	25,000			
Mirror West Stettler Park Phase 1	300,000	30,000	220,000	50,000	Other Reserve \$150,000 Parks Reserve \$70,000 County GIK \$50,000
Cemetery Levelling	10,000	10,000			
Zamboni	125,000	125,000			
Pathway System Improvements	100,000	100,000			
SRC Upgrades	250,000			250,000	Utility Surplus
Public Works					
Sander - 2 yard	10,000	10,000			
Asphalt Planer	25,000	25,000			
Pavement Patching	150,000	150,000			
Pavement Overlay - 48 Ave from Hwy 12 to 56	80,000	80,000			
One Ton Truck	50,000	50,000			
Sidewalk Replacement	130,000	55,000		75,000	Operating Budget
Street Reconstruction - 63 St.	150,000			150,000	MSI
Sweeper	260,000			260,000	MSI
Paving - S. Wilfort - Local Improvement	576,000			576,000	Local Improvement
3/4 Ton Truck	35,000	35,000			
			- 23 -		

TOWN OF STETTLER
CAPITAL FUNDING REQUIREMENTS
2014 - 2016

Capital Item	Net Cost	General Reserves	Other Reserves	Debenture/ Other	Comments
<u>Fire Department</u>					
Backup Power Generator	120,000	120,000			
Miscellaneous Equipment	27,000	27,000			
2015 Total	\$ 5,229,500	\$ 1,139,500	\$ 234,000	\$ 3,856,000	
<u>Possible 2016 Projects</u>					
<u>Sewer</u>					
Sanitarymain Replace - 57A St (46-47 Ave)	330,000			330,000	MSI
Sanitary Master Plan	90,000	90,000			
<u>Water</u>					
Watermain Install - 46 St from Hwy 56-51A Ave	100,000			100,000	MSI
Watermain Replace - Hwy 56 from 49-53 St.	325,000			325,000	MSI
Watermain Looping - 51 Ave	80,000			80,000	MSI
<u>Water Treatment Plant</u>					
Clearwell Inlet					
Ammonia/Monochloramine Analyzer	30,000			30,000	Utility Surplus
Clearwell Inlet Chlorine Anaylzer	15,000			15,000	Utility Surplus
Site Security/Fire Protection	95,000	95,000			
<u>Drainage</u>					
Storm Main Improvements	350,000			350,000	MSI
<u>Planning</u>					
Downtown Parking Lot Design & Const.	250,000			250,000	MSI
<u>Administration</u>					
Computer Replacement Plan	14,000		14,000		Computer Capital
<u>Parks & Leisure Services</u>					

TOWN OF STETTLER
CAPITAL FUNDING REQUIREMENTS
2014 - 2016

Capital Item	Net Cost	General Reserves	Other Reserves	Debenture/ Other	Comments
Arts & Culture Allocation	15,000	15,000			
Mule	22,000	22,000			
Mower - 14'	120,000	120,000			
Pathway System Improvements	100,000	100,000			
SRC Upgrades	250,000			250,000	Utility Surplus
<u>Public Works</u>					
Multi-Use Truck	180,000			180,000	MSI
Backhoe Replacement	200,000	200,000			
Portable Concrete Mixer	20,000	20,000			
Pavement Patching Program	150,000	150,000			
Sidewalk Replacement Program	130,000	55,000		75,000	Operating Budget
Road Reconstruction - 51 Ave (57-61 St)	1,487,000			1,487,000	MSI \$1,142,120 BMTG \$344.880
<u>Fire Department</u>					
Miscellaneous Equipment	27,000	27,000			
2016 Total	\$ 4,380,000	\$ 894,000	\$ 14,000	\$ 3,472,000	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sewermain Replace 48 Ave from Hwy 12 to 56		Sewer	\$250,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace sewer main on 48th Ave from Hwy 56 to West side of Hwy 12.

Project Justification

Old clay tile main which needs to be upgraded to prevent blockages. This is the collection sewer main for the hospital, health unit and lodge.



Operating Budget Implications

Reduced maintenance costs to fix collapses. Water main is severely deteriorated, and coordination of work will have overall savings for both replacements. Road is scheduled to be repaved in 2015 following construction.

Project Options

Delay to 2015.

Proposed Financing: Reserve: Grant: MSI \$250,000

Debenture: _____ Other: _____

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Water Reservoir Sealing		Water	\$175,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Sept	2014	2	1
Nature of Request: New Replacement X Upgrading			
Project Description Install an HDPE liner in the existing water reservoir to eliminate the leakage that is occurring through the cracks in the floor. Install baffle walls to increase circulation and prevent stagnant water.			
Project Justification Repairs have been attempted on the cracks of the floor of the reservoir, however due to the head pressure of the water when the reservoir is at 50% and higher, water still escapes through the floor. Knibb Development is currently the only Alberta contractor completing this type of repair. A strap is installed above the high water level and a custom welded hdpe "bladder" is installed. This project would be completed as a design/build with the contractor and internally with administration.			

Operating Budget Implications Savings due to elimination of water loss. The estimated yearly water loss is 10,000 cu.m. for an average cost of \$14,000. There are also implications with impacts to the water seeping into the surrounding ground. Reduced risk of stagnant water with the installation of the baffle walls.							
Project Options Delay to 2015							
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;">Reserve:</td> <td style="width: 33%;">Grant:</td> </tr> <tr> <td></td> <td>Debenture:</td> <td>Other: FGTF \$175,000</td> </tr> </table>		Proposed Financing:	Reserve:	Grant:		Debenture:	Other: FGTF \$175,000
Proposed Financing:	Reserve:	Grant:					
	Debenture:	Other: FGTF \$175,000					

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Replace 48 Ave from Hwy 12 to 56		Water	\$260,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace watermain on 48th Ave from Hwy 56 to West side of Hwy 12.

Project Justification

Old cast iron main which needs to be upgraded. There have been many breaks on this line. The last repair completed in Sept 2013, was directly next to an existing repair. There were six repair clamps in a row. The waterline will be installed using trenchless technologies as much as possible. There will be improved flow as the existing 100mm watermain will be increased in size when replaced.



Operating Budget Implications

Savings due to elimination of water main break repairs on the line.

Project Options

Delay to 2015.

Proposed Financing: Reserve: Grant: MSI \$260,000

Debenture: _____ Other: _____

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Crane Improvements		WTP	\$10,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014	4	2
Nature of Request: New Replacement Upgrading			
Project Description KONECRANES Canada Inc. provided an inspection report in 2013 on all cranes. The report identified three deficiencies. The deficiencies were: 1. Chlorine Tonner Room a. Runway Mainline Disconnect not in view of crane controls. 2. Carbon Feed Room a. Runway Mainline Disconnect not in view of crane controls. 3. Raw Water Pump House a. Current trolley does not have drop stops.			
Project Justification KONECRANES Canada Inc. is contracted on a yearly basis for inspection of three overhead cranes. The inspection is a requirement under CSA Standard CAN/CSA-Z150-98 (R2004), Safety Code on Mobile Cranes.			

Operating Budget Implications Provide town staff and contractors with a safe and secure means to lift, lower, and handling or transporting heavy or awkward loads. The intent of this is to reduce or eliminate the manual handling of heavy materials, and therefore the possibility of injury.	
Project Options There are no options but to complete this project due to safety and complying with code requirements.	
Proposed Financing: Reserve:	Grant:
Debenture:	Other: Utility Surplus \$10,000



Chlorine Feed and Power Activated Carbon Feed room Single Girder Bridge Cranes



Raw Water Pump House Double Girder Bridge Crane

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Raw Water Flow Meter Installation		WTP	\$25,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014	4	3
Nature of Request: New Replacement Upgrading X			
Project Description <u>Part 1</u> The new flow meter will be installed downstream of the raw water pumps. Meter comes with a transmitter that will provide measurements for instantaneous rate of diversion and water totalizer. The transmitter will be connected to our Supervisory Control and Data Acquisition (SCADA) System. The SCADA provides alarms, reports, and trending. <u>Part 2</u> A new building will be constructed for the isolation valves. <u>Part 3</u> Installation, testing, start-up, commissioning, training, and Operation and Maintenance Manual will be managed internally.			
Project Justification <u>Part 1</u> The Alberta Environment (AEnv) Licence to Divert Water Act contains that the Licensee shall equip the point of diversion and point of re-diversion with a meter which measures respectively: the instantaneous rate of diversion and cumulatively the quantity of all water diverted. Diversion is water into the plant and re-diversion is water returned to the Red Deer River by means of the Settling Ponds. The plant currently has a meter measuring re-diversion to the pond. We have had ongoing discussions with AEnv regarding the current diversion meter location. Current meter is located downstream of the Raw Water Storage Pond. AEnv would prefer we have a flow meter (photo 1) directly downstream of the Raw Water Pumps. This location would allow for instantaneous flow rate and quantity from the river. The isolation valve and check-valve (photo 2) will require removal for installation of the flow meter. <u>Part 2</u> With removal of the existing valve (photo 2), the isolation valves (photo 3) will frequently be operated year round. The addition of a small building will keep the valves from elements of weather and climate, clear of obstruction for ease of access and operation.			

Operating Budget Implications

Due to limited space for installation of the new flow meter, this location was selected.

Project Options

Reviewed all options and this installation is the most cost effective.

Proposed Financing:

Reserve:

Grant:

Debenture:

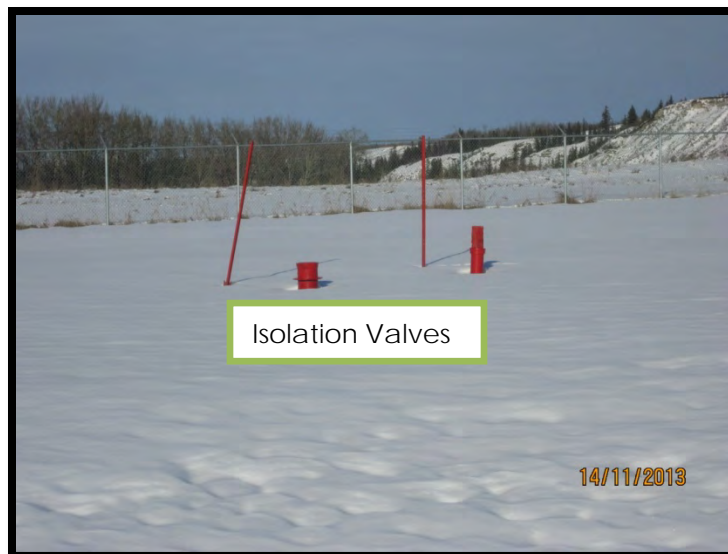
Other: Utility Surplus \$25,000



New Flow Meter & Transmitter



Location of Flow Meter Installation



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Membrane Feed Pump 2 Repairs		WTP	\$10,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014	4	4
Nature of Request: New Replacement Upgrading			
Project Description Hire a contractor to remove the pump from the well. Transport to their shop, inspect, repair, return, install, start, and commission. Work will be managed internally.			
Project Justification A contractor was hired in 2012 to replace cooling fans that had failed in a Variable Frequency Drive (VFD) Cabinet (photo 1). VFD's produce a great deal of heat and cooling is necessary. The pump is 100 HP (photo 3) that is energized by 600 volts of power. The incoming power has three phases which consists of 3 wires. When reinstalling wires, the phases were installed incorrectly causing the pump to rotate in reverse which caused damage.			

Operating Budget Implications The plant process includes three Membrane Feed Pumps. Pumps are operated in sequence. Each pump has a capacity of 153 L/s. The membrane feed pumps are a crucial part of the process. Currently, we have one backup pump.							
Project Options None							
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;">Reserve:</td> <td style="width: 33%;">Grant:</td> </tr> <tr> <td></td> <td>Debenture:</td> <td>Other: Utility Surplus \$10,000</td> </tr> </table>		Proposed Financing:	Reserve:	Grant:		Debenture:	Other: Utility Surplus \$10,000
Proposed Financing:	Reserve:	Grant:					
	Debenture:	Other: Utility Surplus \$10,000					



Variable Frequency Drive (VFD)



Membrane Feed Pumps 1, 2, and 3



Feed Pump 2



Repair Section

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Raw Water Intake Pipe Replacement		WTP	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement Upgrading X			
Project Description <p>The project consists of intake pipe replacement in both intake wells. Work would include installing a line plug in the raw water intake structure inlet line, removing existing steel pipe, and installing new pipe. Work will be executed and accomplished in 7-m (23 feet) deep wells therefore safety is a priority.</p> <p>The project concept, construction & installation, testing, commissioning, and documentation will be managed internally.</p>			
Project Justification <p>In October 2012, we conducted an inspection with Knibb Developments, of the 8 raw water intake wells. The inspection included lines, valves, and pipe columns. Our findings were that two intake lines and pipe columns require replacement. Attached are photos taken and identify that corrosion is occurring and will continue. This project will be a design/build with a preferred contractor, in lieu of tendering.</p> <p>History gathered from the inspection and discussions internally are reflected in the following information.</p> <p>The raw water intake lines, pipe columns, and valves were schedule to be repaired or replaced several years ago. However, until a safety system was in place, the contractor would not perform the work. The wells are approximately 7-m (23-ft) deep and require safety equipment and precautions before entering. The safety requirements include a davit, lanyard, harness, and spaced landing areas within well. Approximately 6 to 8 years ago the safety system was installed. At the time the lowlift could not be shut down for longer than approximately 8 hours as we did not have a raw water storage reservoir. That would have made it extremely hard to do the repairs and still produce water. In 2009, the raw water storage reservoir was constructed and is now in service. The reservoir provides approximately 18 days of raw water supply depending on the flow condition. The raw water intake wells now can be isolated for replacement while the WTP is in full operation.</p>			

Operating Budget Implications

Safety and performance of the water treatment plant will be affected if failure of the raw water intake lines, columns, or valves occurs.

Safety is a major concern. Access to the raw water intake wells is necessary and is scheduled yearly for service or repair of equipment. The equipment installed in the wells includes grit pumps, screens, isolation valves, and transfer pumps. Cleaning of 8 intake wells is also performed bi-yearly.

If an intake line failure occurs, control of raw water flow into the intake well(s) will be impossible. When a failure occurs, an underwater welder would be necessary for emergency repairs. Emergency repairs are temporary and costs can be expensive.

If flooding occurs, the ability to isolate the building from the river is compromised. Damaging or destroying of the pumps and electrical systems is possible.

Project Options

None

Proposed Financing:

Reserve:

Grant:

Debenture:

Other: Utility Surplus \$100,000



Corrosion on Intake pipe before Isolation Valve



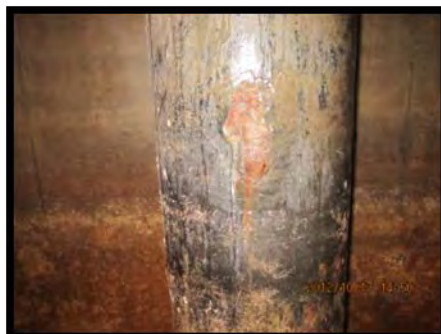
Intake Line Cast in Place



Valve connected to Intake Line



Corrosion before Isolation Valve



Vertical Pipe Corrosion

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Computer Replacement Plan		Administration	\$35,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement X Upgrading			
Project Description Purchase six computers for regular workstation upgrading. Replace one of the servers at the Town Office.			
Project Justification The six new computers will replace older computers. Town Office server is due for replacement.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: Computer Capital \$35,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Laser Printer Replacement		Administration	\$5,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement X Upgrading			
Project Description Replace aging laser printers.			
Project Justification Printers purchased in 1998 and 2002 are in need of replacement.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: Computer Capital \$5,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Arts & Culture Allocation		PLS	\$15,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New <input checked="" type="checkbox"/> Replacement Upgrading			
Project Description Annual allocation/commitment by Council to support Arts & Culture projects and/or facility upgrades.			
Project Justification			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$15,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Skateboard Park		PLS	\$300-400,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description To construct a skatepark complete with landscaping next to the West Stettler Ball Diamonds. Project cost Phase 1 \$300,000, Phase 2 & 3 an additional \$50,00 for each phase.			
Project Justification The Skate Park Association has done a good job in fundraising to-date. A CFEP grant of \$75,000 and \$75,000 in local fundraising has been obtained. With a strong push they could possibly raise another \$50,000. Having a separate park will allow use of the outdoor rink for other activities. This is one facility that many communities of similar size already provide. Will help keep youth busy and active.			

Operating Budget Implications Staff will be required to inspect the park, arrange for maintenance and empty garbage/recycling bins. This should not pose a significant change in operating costs.				
Project Options Challenge the Skate Park Association to raise more than an additional \$50,000. Build part of the park. Delay construction pending additional grant funding.				
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;"> Reserve: Capital \$75,000 Debenture: </td> <td style="width: 33%;"> Grant: CFEP \$75,000 Other: Fundraising \$125,000 Utility Surplus \$25-125,000 </td> </tr> </table>		Proposed Financing:	Reserve: Capital \$75,000 Debenture:	Grant: CFEP \$75,000 Other: Fundraising \$125,000 Utility Surplus \$25-125,000
Proposed Financing:	Reserve: Capital \$75,000 Debenture:	Grant: CFEP \$75,000 Other: Fundraising \$125,000 Utility Surplus \$25-125,000		

Stettler Skatepark

Conceptual Design - Context & Site Plan



Context Map 1 NTS



Site Plan Scale: 0 10m 20m



Skatepark Features

PHASE 1

- A - Quarterpipe Hip/Drop-In Turnaround Feature with Extension
- B - Ledge Manual Pad Feature
- C - Flatbar Rail Feature
- D - Banked Hip with Ledge Options
- E - Bank with Handrail, Hubba Ledge and Curved Up-Ledge
- F - Bank with Hubba Ledge, Up-Ledge, Up-gap and Flatrail
- G - Funbox Feature with Wedge-to-wedge, Rooftop Ledge and quarterpipe

PHASE 2

- H - Bermed Transition with Pump Bump Roller
- I - Pump Bump/Roller Feature

PHASE 3

- J - Flow Bowl! Feature with Extension Pocket and Hip



Stettler, AB

July, 2013

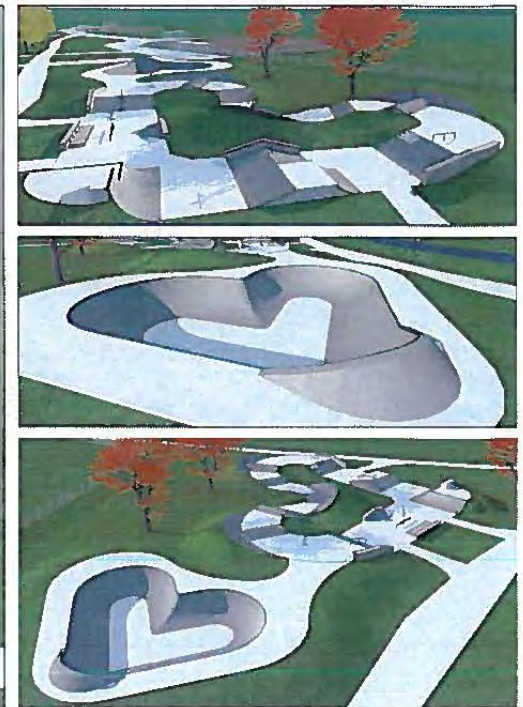
www.newintelskateparks.com

www.sdr.ca



Stettler Skatepark

Conceptual Design - Isometric Render Views



Stettler, AB
July 2013
www.townofstettler.ca
www.townofstettler.ca

Town of Stettler

Stettler, AB

Stettler, AB

Stettler Skatepark

Conceptual Design - Detail Render Views



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
MUA Replacement in Blue Rink		PLS	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement X Upgrading			
Project Description Make Up Air Unit that is 20 years old has reached life expectancy and needs to be bigger because of new code requirements.			
Project Justification Building will freeze if it fails during winter season.			

Operating Budget Implications None.	
Project Options 	
Proposed Financing: Reserve: General \$100,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>	



42 – 38311 RANGE ROAD 270
Red Deer County, Alberta T4E 1B5
Phone: 587.377.0232
Email: keon.kbeng@gmail.com

Date: SEPTEMBER 3, 2013

Town of Stettler
Parks & Leisure Services
6202 – 44th Avenue
Stettler, Alberta

Attention: Gerry Little

RE: Stettler Arena MUA Replacement, Alberta

Dear Mr. Little,

KB Engineering Ltd. was engaged to evaluate the existing ventilation system for the existing 'Red' and 'Blue' arena's in Stettler, Alberta. Based on this assessment, recommendations on replacements/upgrades will be presented to assist with the direction of the project.

Background / Observations

The ventilation system for the 'Red' arena is not operational as the existing make up air (MUA) unit is no longer functional and in need of replacement. The unit supplies 10,000 cfm of fresh air during operation and should run whenever the Zamboni is on the ice (and for a period after) as well as when there are larger crowds present. The 10,000 cfm capacity is within standard design guidelines for an arena:

$$\begin{aligned}\text{Required Ventilation} &= 0.5 \text{ cfm/ft}^2 \text{ of ice surface} + 8 \text{ cfm / spectator} + 0.06 \text{ cfm/ft}^2 \text{ of spectator area} \\ &= 0.5 \text{ cfm} \times 17000 \text{ft}^2 + 8 \text{ cfm} \times 200 \text{ people} + 0.06 \text{ cfm} \times 10,000 \text{ ft}^2 \text{ (approx.)} \\ &= 10,700 \text{ cfm}\end{aligned}$$

The MUA unit serving the 'Blue' arena is nearing its' life expectancy as well. The unit also supplies 10,000 cfm of fresh air during operation which does not meet the standard design guidelines for the building:

$$\begin{aligned}\text{Required Ventilation} &= 0.5 \text{ cfm/ft}^2 \text{ of ice surface} + 8 \text{ cfm / spectator} + 0.06 \text{ cfm/ft}^2 \text{ of spectator area} \\ &= 0.5 \text{ cfm} \times 17000 \text{ft}^2 + 8 \text{ cfm} \times 1000 \text{ people} + 0.06 \text{ cfm} \times 14,000 \text{ ft}^2 \text{ (approx.)} \\ &= 17,340 \text{ cfm}\end{aligned}$$

The existing units are also only capable of increasing the incoming outside air temperature 50°F. On the coldest days of the year (-35°F to -40°F), the discharge temperature is only +10°F to +15°F which is considerably below the freezing point (+32°F). Given that the arena's contains a 'wet' sprinkler system, there is a potential for considerable damage caused by frozen sprinkler piping. The

existing unit heaters and infrared heaters have likely played a role in preventing this from happening, but that is not what their intended use is for and should not be relied on to do so. During our investigation, it was stated that the air temperature at the ceiling during these colder periods has been recorded at values well below freezing.

Currently, a propane Zamboni cleans the ice. While propane is considered a 'clean' fuel due to the fact that the only by-products (theoretically) are carbon dioxide and water, there is a probability for the introduction of carbon monoxide, nitrogen dioxide and sulfur dioxide. Given the layout of the arena with the surrounding boards and plexiglass, it is very difficult to effectively ventilate the ice surface which leads to the potential accumulation of harmful gases. There are also little provisions in place to ventilate the spectator areas as the supply and exhaust for the ventilation system are both over the ice surfaces.

Solutions / Recommendations

If there is no provision to replace the ice resurfacer for the arena, then the current ventilation rates for the 'Red' arena are sufficient and it is recommended that the existing MUA unit is replaced with a unit of similar volume capacity but that would have a greater heating capacity to provide discharge temperatures above freezing.

The ventilation rate would need to be increased for the 'Blue' arena to satisfy current code requirements. Supplemental exhaust fans / upsizing existing exhaust fans would be required to maintain the air balance within the arena. The new unit would also have the heating output sized to supply temperatures above freezing.

Replacing the existing propane Zamboni's with electric models would considerably reduce the ventilation required as the ventilation system would not automatically need to run during ice resurfacing (no emissions from the ice resurfacer). Installing CO/CO₂ sensors to operate the ventilation system would allow the system to run only as needed. Given that the occupancy of an arena is generally very low (outside of tournaments and bigger marquee games), this presents a significant opportunity for energy savings. The ventilation system capacity would also be reduced resulting in lower up front capital costs (5000 cfm – 'Red' Arena; 10,000 cfm – 'Blue' Arena).

Even without upgrading the ice resurfacer, it would be good practice to install localized CO/CO₂ sensors around the arena to supplement the control of the ventilation system. The ventilation system would still run while the Zamboni was in operation, and the sensors would activate the ventilation system as well upon sensing elevated levels of CO / CO₂ and run until the sensor readings are within acceptable ranges to ensure good air quality.

Better ventilation strategies should also be explored to provide more effective ventilation across the space. Wall fans could be introduced to pull the air through the space. As noted while we were on site, the exhaust fans on the 'Blue' arena were covered in plastic to prevent condensation from dripping onto the ice.

Opinion of Probable Costs

'Red' Arena

Replace existing MUA with similar capacity	\$35,000
Reduced System - MUA & exhaust fans to suit	\$35,000

'Blue' Arena

Increased System (To meet code)	\$50,000
Reduced System - MUA & exhaust fans to suit	\$35,000

CO/CO2 Sensors (Per side)	\$7500
---------------------------	--------

I trust this is to your understanding. Please call the undersigned with any concerns or questions.

Sincerely,



Keon Beuker, P.Eng.
Owner / Principle

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Downtown Park		PLS	\$61-90,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New X Replacement Upgrading			
Project Description Construct a downtown park on donated land.			
Project Justification Park will help green up main street, provide a place for people to enjoy and fits in quite well with the streetscape program.			

Operating Budget Implications On-going site maintenance and clearing of snow in winter. Should be a minor increase to operating budget for supplies and staffing.
Project Options Delay or scale back project scope. Reducing the scope would reduce the budget from \$90,000 to \$55,000.
Proposed Financing: Reserve: General \$90,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>



Downtown Park Conditions:

"We would like to suggest that the park be some way dedicated to all the pioneer businesses of Stettler from the Peters family".

Don and Sylvia Peters

- The Site is small.
- Very Shady.
- Subject to vandalism at night.
- Of street Parking is close.
- Water service available.
- Long snowy winters
- Wind

Possible users:

- Lunch picnics
- Smokers
- Younger night carousers
- Street performers
- Crazy days
- Night before the night before
- Art walk
- Dog walks
- Lookers (Aesthetic value)
- Meeting place
- Fund raisers
- Christmas wonderland

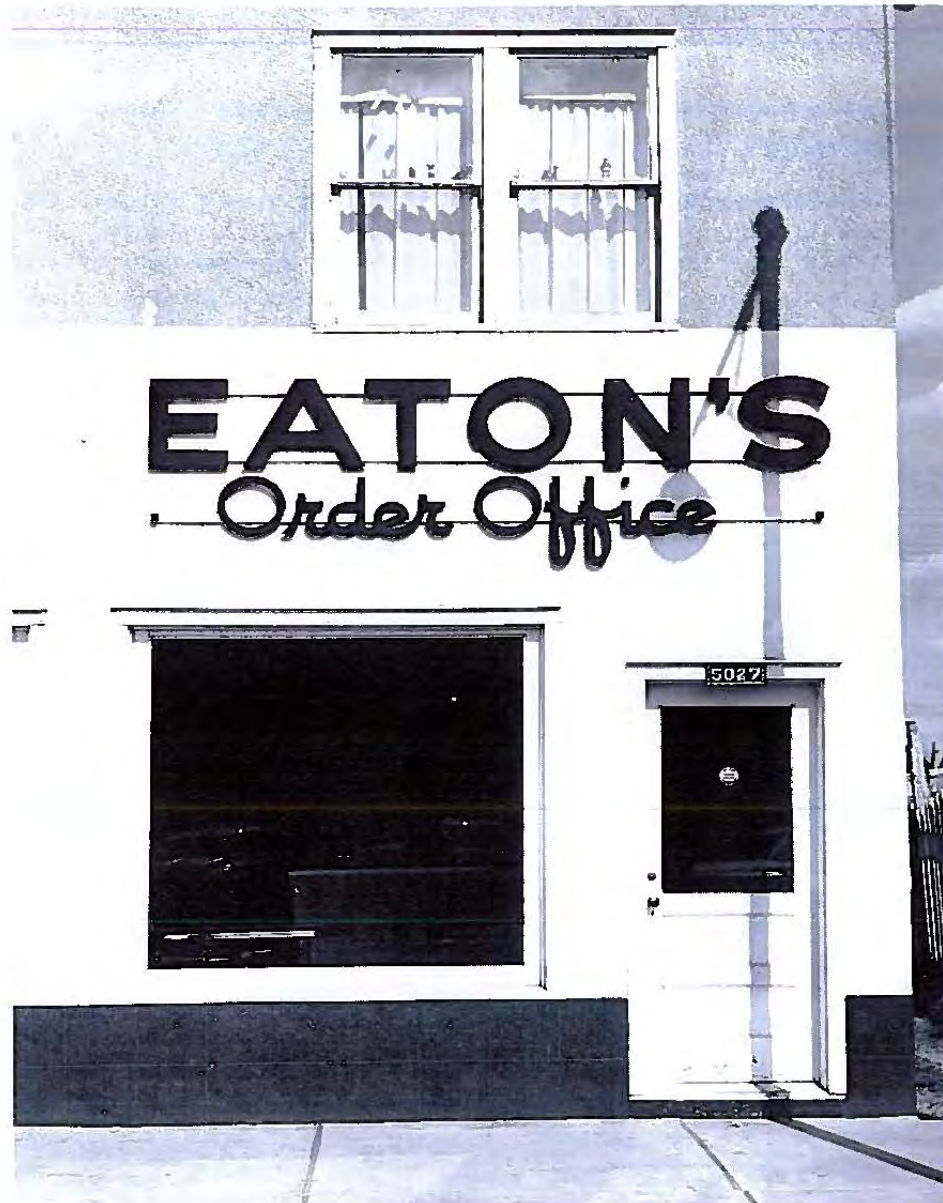


Historic Downtown Abbotsford



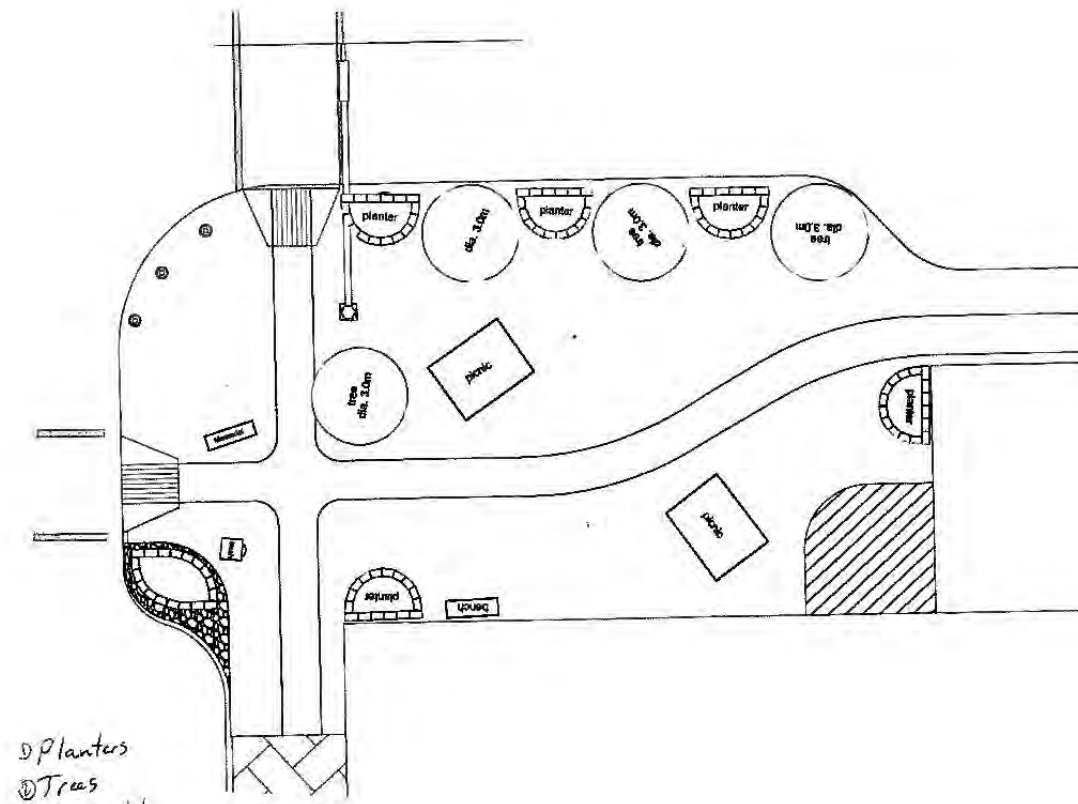
Glenbow Archives NA-3341-3











Option #1 Without Parking Lane

Unistone	\$ 15,000.00
3 benches	\$ 2,100.00
4 Trees	\$ 4,000.00
Karl Stettler	\$ 1,000.00
5 Planters	\$ 5,000.00
3 Picnic Tables	\$ 3,600.00
Mural	\$ 20,000.00
Electrical	\$ 10,000.00
Total	<u>\$ 60,700.00</u>

Option #2 With Parking Lane

Parking Lane Construction	\$ 33,140.00
Unistone	\$ 10,000.00
3 Benches	\$ 2,100.00
4 Trees	\$ 4,000.00
Karl Stettler	\$ 1,000.00
5 Planters	\$ 5,000.00
3 Picnic Tables	\$ 3,600.00
Mural	\$ 20,000.00
Electrical	\$ 10,000.00
Total	<u>\$ 88,840.00</u>



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
SRC Updating 2013-2014		PLS	\$2,346,825
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement Upgrading X			
Project Description			
Approved by Council in 2013.			
Library Renovations		\$743,636	
Senior's Centre		\$599,040	
New Entry & Foyer		\$722,979	
Parking Lot Expansion & Repaving		\$281,170	
Project Justification			
Town Savings		\$1,345,000	
Federal Grant		\$250,000	
County of Stettler (Library & Parking)		\$140,000	
Shortfall, to be determined		\$611,825	

Operating Budget Implications

Minimum borrowing \$611,825 over 20 years with annual payments of approximately \$36,700/year.

Project Options

Deplete current general reserve to critically low level below \$1 million or use fire equipment capital to fund SRC shortfall and borrow \$700,000 for new fire truck.

Proposed Financing:	Reserve:	Capital \$1,345,000	Grant:	Federal \$250,000
		Fire Capital \$500,000		
	Debenture:		Other:	County \$140,000
				Utility Surplus \$111,825

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Picnic Tables		PLS	\$12,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement X Upgrading			
Project Description Replacement of 12 picnic tables at the campsite.			
Project Justification Old tables do not stay stable and need constant board replacement.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$12,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Bobcat		PLS	\$45,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a bobcat for arena maintenance, parking lot maintenance and park maintenance.			
Project Justification Not enough equipment for both departments Need a snow removal machine parked at the SRC for night use and outdoor rink cleaning.			

Operating Budget Implications No maintenance with bobcat replacement program. Small yearly fee to replace.	
Project Options Continue using small blade on the mule. Contract rinks and parking lot snow removal. Use old loader from public works.	
Proposed Financing: Reserve: General \$45,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>	



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Self Propelled Lift		PLS	\$60,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New X Replacement Upgrading			
Project Description Self propelled Genie lift for pruning trees, hanging Christmas decorations, building repairs and repairs to traffic lights.			
Project Justification More convenient to have unit available than renting one from Stettler suppliers.			

Operating Budget Implications Years when tree trimming staff are available, we usually incur \$8,000 – 10,000 in rentals. Yearly operation/maintenance on a lift would range from \$2-4,000.								
Project Options Continue renting or contract out tree removal. Given the height of some trees, some contracting would be required in any event.								
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">Proposed Financing:</td> <td style="width: 25%;"> Reserve: General \$60,000 </td> <td style="width: 25%;"> Grant: </td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td> Debenture: </td> <td> Other: </td> <td></td> </tr> </table>	Proposed Financing:	Reserve: General \$60,000	Grant:			Debenture:	Other:	
Proposed Financing:	Reserve: General \$60,000	Grant:						
	Debenture:	Other:						

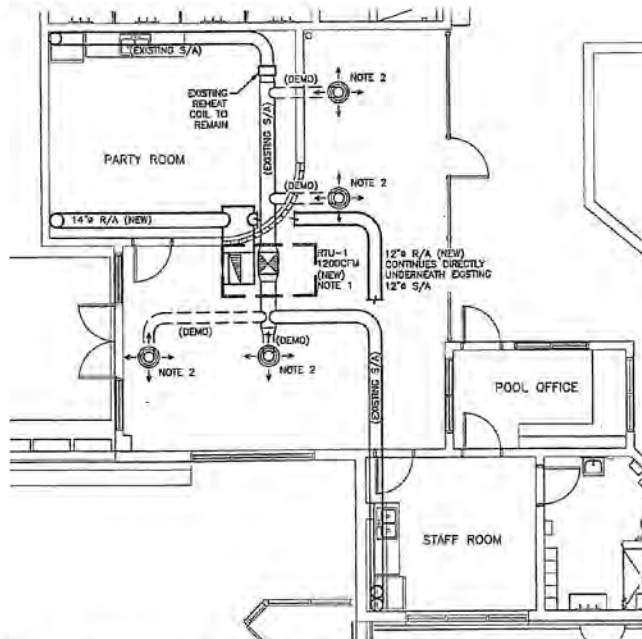


AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pool Rooftop Unit		PLS	\$15,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement Upgrading X			
Project Description Existing unit is servicing both humid and dry areas. Install smaller unit and change duct work to service dry area only.			
Project Justification Pool party room and pool office are always too humid for computers and comfortable office and training duties.			

Operating Budget Implications Operating costs will be less because it is a smaller unit. Humidity continues to rust out computers and equipment.	
Project Options 	
Proposed Financing: Reserve: General \$15,000 Grant: Debenture: Other:	

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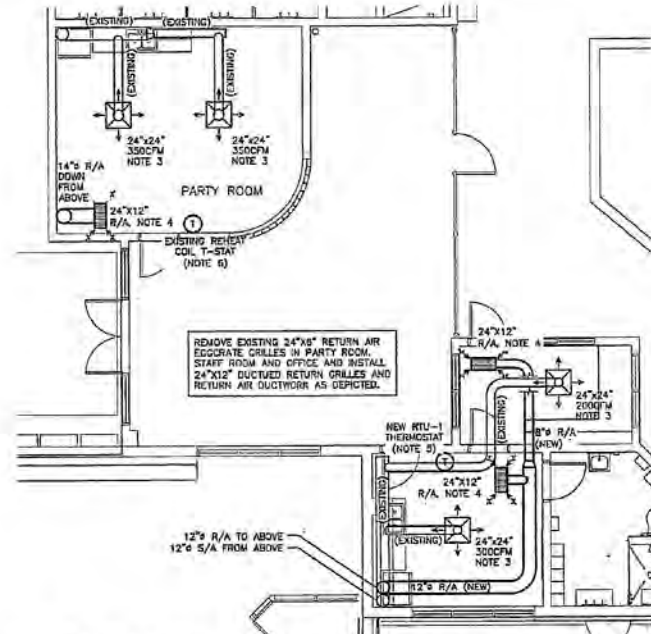


UPPER HVAC RENOVATION PLAN

APPROX. SCALE: 1/8" = 1'-0"



PERMIT TO PRACTICE	
908 ENGINEERING INCORPORATED	
Signature	<i>[Signature]</i>
Date	05 NOV 2013
PERMIT NUMBER: P 11661	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	



LOWER HVAC RENOVATION PLAN

APPROX. SCALE: 1/8" = 1'-0"

ONLY NEW WORK IS DEPICTED ON THIS DRAWING.
ALL EXISTING AREAS TO REMAIN AS-IS, MAKE GOOD
AND MAINTAIN ALL WIRING SERVING AREAS NOT IN
THE SCOPE OF THIS RENOVATION (TYP.).

908Engineering
INCORPORATED

PO Box 20020 Red Deer, AB T4N 6X5
Phone: 403.986.2939 Web: 908eng.com

DRAWN: VRW CHECK: KAM DATE: 05 NOV 13

0		05 NOV 13	ISSUED FOR PERMITS, TENDERS & CONSTRUCTION
REV.	DATE	DESCRIPTION	
PROJECT: PROPOSED STETTLER RECREATION CENTRE AQUATIC HVAC RENOVATION STETTLER, ALBERTA			
MECHANICAL RENOVATION PLAN			FILE NO: 133502 DWG NO: M1 OF 3

MECHANICAL SPECIFICATIONS

MECHANICAL - GENERAL REQUIREMENTS:

- SUPPLY AND INSTALL A COMPLETE WORKING MECHANICAL SYSTEM AS APPROVED BY THE ENGINEER, OWNER AND AUTHORITY HAVING JURISDICTION.
- EMPLOY THE HIGHEST QUALITY WORKMANSHIP AND CSA-APPROVED MATERIALS INSTALLED BY LICENSED JOURNEYMEN AND / OR SUPERVISED APPRENTICES.
- THE MECHANICAL SYSTEM, UNLESS NOTED ON THE DRAWINGS OR ELSEWHERE IN THESE SPECIFICATIONS, SHALL INVOLVE THE HIGHEST QUALITY OF WORKMANSHIP AND CSA APPROVED MATERIALS, TO THE LATEST EDITIONS OF THE FOLLOWING CODES AND REGULATIONS:
 - NATIONAL AND / OR PROVINCIAL BUILDING CODE
 - NATIONAL AND / OR PROVINCIAL PLUMBING CODE
 - NATIONAL AND / OR PROVINCIAL FIRE CODE
 - ASHRAE HANDBOOK AND STANDARDS
 - NATIONAL FIRE PREVENTION ASSOCIATION (NFPA)
 - NATIONAL GAS AND PROPANE INSTALLATION CODE
 - LOCAL UTILITY CODES & STANDARDS
 - APPLICABLE MUNICIPAL BYLAWS
- IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS AND THIS SPECIFICATION, THE DRAWINGS SHALL BE TAKEN AS CORRECT.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL SITE CONDITIONS THAT MAY AFFECT THEIR WORK PRIOR TO TENDER CLOSE.
- REPORT ANY DISCREPANCIES IN THE TENDER AND SPECIFICATION DOCUMENTS TO 908 ENGINEERING PRIOR TO TENDER CLOSE.
- THE MECHANICAL CONTRACT SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY THEIR RESPECTIVE WORK.
- CARRY ALL REQUIRED INSURANCE COVERING ALL WORK AND EMPLOYEES AS CALLED FOR BY THE AUTHORITY HAVING JURISDICTION AND GENERAL CONTRACTOR.
- APPLY AND PAY FOR ALL APPLICABLE PERMITS AND MECHANICAL INSPECTIONS, FEES FOR INSPECTIONS BY THE ENGINEER NEED NOT BE COVERED BY THE MECHANICAL TRADE.
- COORDINATE WORK WITH ALL OTHER TRADES AFFECTED BY THE MECHANICAL SCOPE OF WORK INCLUDING (BUT NOT LIMITED TO) STRUCTURAL AND ELECTRICAL TRADES.
- MAINTAIN AN UP-TO-DATE SET OF AS-BUILT DRAWINGS ON SITE AT ALL TIMES. UPON PROJECT COMPLETION, PROVIDE OWNER WITH ONE (1) COPY OF THE AS-BUILT DRAWINGS. NEAT AND TIDY HAND MARKINGS ON A CLEAN SET OF DRAWINGS WILL BE ACCEPTABLE UNLESS NOTED OTHERWISE ON THE TENDER DOCUMENTS, DRAWINGS, OR IN THESE SPECIFICATIONS.
- UPON PROJECT COMPLETION, PROVIDE THE OWNER WITH THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS INCLUDING COPIES OF THE FINAL INSPECTION CERTIFICATES AS APPLICABLE.
- PROVIDE THE OWNER WITH A ONE YEAR WRITTEN WARRANTY ON ALL MATERIALS AND WORKMANSHIP. PROVIDE A COPY OF ORIGINAL WARRANTY FOR EQUIPMENT WHICH HAS A WARRANTY PERIOD LONGER THAN (1) YEAR.
- KEEP THE WORK AREA SAFE AND IN A REASONABLY CLEAN CONDITION AT ALL TIMES.

PENETRATIONS IN FIRE RATED PARTITIONS:

- UNLESS OTHERWISE NOTED ON THE DRAWINGS OR CONTRACT DOCUMENTS, FIRE STOPPING SEALANTS AND ASSEMBLIES THROUGH FIRE RATED PARTITIONS SHALL BE BY OTHERS. THIS INCLUDES FIRESTOP

SEALANTS, PLUGS, BLOCKS, COLLARS AND SPRAYS:

- THE MECHANICAL CONTRACTOR WILL MINIMIZE THE QUANTITY AND SIZE OF ALL PENETRATIONS THROUGH FIRE RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES.
- WHERE POSSIBLE, MULTIPLE PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CENTRALIZED AND ACCESSIBLE TO THE PRESTO-TRAC.
- THE MECHANICAL TRADE SHALL NOTE AND INFORM THE GENERAL CONTRACTOR OF ANY PENETRATIONS THROUGH FIRE RATED ASSEMBLIES AND ENSURE THAT ALL PENETRATIONS ARE SEALED IN A TIMELY AND PROFESSIONAL FASHION.
- WHERE ACCESS PANELS ARE REQUIRED IN FIRE RATED ASSEMBLIES, THE FIRE RATED ACCESS PANEL DOOR ASSEMBLY SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL TRADE IN COORDINATION WITH THE GENERAL CONTRACTOR. ALTERNATIVE METHODS OF MAINTAINING FIRE SEPARATION WILL BE CONSIDERED BUT MUST BE APPROVED BY THE ENGINEER.

HVAC SYSTEMS - GENERAL NOTES:

- SUPPLY AND INSTALL ALL REQUIRED HEATING, VENTILATION AND AIR-CONDITIONING SYSTEMS, WITH THE DESIGN CHARACTERISTICS NOTED IN THE EQUIPMENT SCHEDULE, INCLUDING AIR DELIVERY RATES AND EXTERNAL STATIC PRESSURES TO MANUFACTURERS REQUIREMENTS.
- THE SPECIFIED UNITS SHALL BE CONSIDERED AS A "BASE" MODEL ONLY. ANY OTHER CSA APPROVED UNITS MADE BY OTHER MANUFACTURERS WILL BE ACCEPTED, UPON WRITTEN AUTHORIZATION OF THE ENGINEER, PROVIDED THE EQUIPMENT IS OF THE SAME OR EQUAL CAPABILITIES.
- ALL UNITS DESIGNED TO HAVE A FRESH AIR RATIO IN WATER DESIGN CONDITIONS OF MORE THAN 35% SHALL BE EQUIPPED WITH STAINLESS STEEL HEAT EXCHANGERS, AS APPLICABLE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL HVAC EQUIPMENT SHALL BE OUTFITTED WITH ALL APPLICABLE ELECTRICAL RELAYS AND CONTRACTIONS NECESSARY TO SHUT DOWN FANS UPON THE ACTIVATION OF THE FIRE ALARM SYSTEM (AS APPLICABLE) BUILT INTO THE BUILDING. CONFIRM THE NEED FOR SUCH CONTROL ON THE ELECTRICAL AND/OR ARCHITECTURAL DRAWINGS.
- SUPPLY AND INSTALL AN ACCESS HATCH AT ALL FIRE RATED FLOOR/WALL PENETRATIONS WITH DUCT-MOUNTED FIRE DAMPERS WHERE ACCESS TO THE DAMPER IS NOT READILY AVAILABLE. CONFIRM ALL ACCESS HATCH LOCATIONS WITH THE ARCHITECTURAL PRIOR TO INSTALLATION.
- ALL VENTS SHALL CONFORM TO "C" VENT REQUIREMENTS, WHILE CHIMNEYS SHALL BE TYPE "B" FLUES, UNLESS NOTED, C/W APPLICABLE PRECIPITATION CAPS AND ROOF FLASHINGS.
- LEAVE WORK AT ALL TIMES IN A SAFE AND REASONABLY CLEAN CONDITION.

HVAC SYSTEMS - ROOFTOP UNITS:

- SUPPLY AND INSTALL ALL ROOF MOUNTED HVAC UNITS WITH STANDARD INSULATED CURBS, WITH THE GENERAL DESIGN CHARACTERISTICS NOTED IN THE EQUIPMENT SCHEDULE, OR AS OTHERWISE APPROVED BY THE ENGINEER.
- ALL APPLICABLE UNITS SHALL BE EQUIPPED WITH ECONOMIZER DAMPERS, BIRD SCREENS AND WEATHERDOGS TO SUIT. GRAVITY EXHAUST SYSTEMS SHALL BE ACCEPTED, OR AS OTHERWISE SPECIFIED FOR POWER EXHAUSTERS.
- ALL ROOFTOP UNITS SHALL BE INSTALLED WITH 7 DAY PROGRAMMABLE THERMOSTATS CONTROLLING ALL HEATING, COOLING, AND FAN OPERATIONS. FANS SHALL BE ACTIVE DURING ALL OCCUPIED TIMES.

- ALL UNITS SHALL BE EQUIPPED WITH DISPOSABLE MEDIA HIGH VELOCITY FILTERS, OR AS OTHERWISE SPECIFIED WITHIN THE EQUIPMENT SCHEDULE.
- ALL UNITS SHALL CARRY CSA & C.G.A. APPROVALS, BE TEST FRED AND BE IN FULLY FUNCTIONAL ORDER PRIOR TO ACCEPTANCE BY THE OWNER. ALL APPLICABLE TEST ARE TO TAKE PLACE AFTER SITE INSTALLATION, AS WELL AS AT THE FACTORY, AS APPLICABLE.

HVAC SYSTEMS - DUCTWORK:

- ALL FORCED AIR DUCTWORK, INSTALLED ABOVE GRADES, SHALL BE MADE FROM MIN. 24GA GALVANIZED STEEL, AND SHALL BE OF LOCK FORMING QUALITY (LFD). ALL DUCTWORK SHALL BE CONSTRUCTED, BRACE, CONNECTED, AND JOINTED IN ACCORDANCE WITH THE LATEST EDITION OF ASHRAE GUIDE AND THE DUCT CONSTRUCTION STANDARDS ISSUED BY SMACNA, NFPA 60A, PROVINCIAL CODES AND ANY LOCAL REGULATIONS THAT APPLY, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL FORCED AIR DUCTWORK, INSTALLED BELOW GRADES, SHALL BE PVC DR-35 SEWER PIPE UTILIZING SMOOTH FORMED ELBOWS. ALL DUCTWORK SHALL BE CONSTRUCTED AND JOINTED IN ACCORDANCE WITH THE LATEST EDITION OF ASHRAE GUIDE, NFPA 60A, PROVINCIAL CODES AND ANY LOCAL REGULATIONS THAT APPLY, UNLESS NOTED OTHERWISE ON THE DRAWINGS. ENCASE ALL DUCTS WITH A MIN. 3" (75MM) OF COVER MATERIAL. ENSURE ALL SUCH DUCTS ARE SET TO SLOPE A MIN. OF 0.75% BACK TO SUPPLY PLENUM FOR REQUIRED PUMP OUT OF FOREIGN MATERIALS AND LIQUIDS.
- INSTALL ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK AS NOTED ON THE DESIGN DRAWINGS. DO NOT CHANGE DUCT SIZES OR ZONE CONFIGURATIONS WITHOUT PRIOR APPROVAL OF THE ENGINEER. FOR SIMPLICITY, ALL DUCTS SHALL BE ROUND UNLESS ARCHITECTURALLY DICTATED OTHERWISE ON THE DRAWINGS. UTILIZE FLEXIBLE DUCT CONNECTIONS TO SUPPLY AIR DIFFUSERS WHERE APPLICABLE, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL DUCTWORK SHALL BE PROPERLY BRACED SO THAT NO PULSATION WILL OCCUR. IF IN THE OPINION OF THE ENGINEER THE DUCTWORK IS NOT INSTALLED PROPERLY OR ADEQUATELY BRACED AND SUPPORTED, THE CONTRACTOR SHALL REPLACE THIS DUCTWORK AND PROVIDE ADDITIONAL BRACING AND SUPPORTS, AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO THE OWNER.
- SUPPLY AND INSTALL BALANCE DAMPERS FOR ALL BRANCH AND MAIN DUCTWORK AS DIRECTED ON THE DRAWINGS. ADJUST TURNED VANE WITHIN MAIN SUPPLY AND RETURN WHERE REQUIRED TO MAINTAIN STATIC PRESSURE AND REDUCE NOISE LEVELS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADDING ALL ADDITIONAL DAMPERS FOR BALANCING NEEDS TO ENSURE BALANCE TO WITHIN 5% OF THE DESIGN VALUES.
- SUPPLY AND INSTALL ALL REQUIRED FIRE STOP FLAPS AND FIRE DAMPERS AT FLOOR ASSEMBLIES AND AT FIRE RATED WALLS AS NOTED ON THE DRAWINGS. CONFIRM THE LOCATION OF ALL SUCH FIRE RATED WALLS AND FLOORS ON THE ARCHITECTURAL DRAWINGS.
- INSULATE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK AS NOTED WITHIN THE INSULATION SPECIFICATION.
- PAINT THE INTERIOR OF ALL DUCTS FLAT BLACK WHERE VISIBLE BEHIND RETURN GRILLES AND SUPPLY AIR DIFFUSERS, AND AS NOTED OR INDICED OTHERWISE DIRECTED BY THE ENGINEER.
- ARRANGE AND CARRY THE COST FOR AN INDEPENDENT BALANCE AND REPORT, AND SUBMIT THE REPORT TO THE ENGINEERING FOR APPROVAL PRIOR TO ACCEPTANCE BY THE OWNER.
- ARRANGE WITH THE ENGINEER TO INSPECT ALL CONCEALED CEILING/FLOOR DUCTWORK PRIOR TO INSTALLATION OF FINISHED CEILING AND POURING OF FINAL FLOOR.

HVAC SYSTEMS - CONTROLS:

- UNLESS OTHERWISE AGREED ON SITE, ALL LOW VOLTAGE EQUIPMENT, CONTROL WIRING AND TERMINATIONS SHALL BE BY THE MECHANICAL TRADES. ALL CONDUITS REQUIRED FOR LOW VOLTAGE CONTROL WIRING AND LINE VOLTAGE CONTROL WIRING WILL BE BY THE ELECTRICAL TRADE. COORDINATE ALL CONTROL WIRING AND CONDUIT REQUIREMENTS WITH THE ELECTRICAL TRADES. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- LINE-VOLTAGE THERMOSTATS, AS APPLICABLE, WILL BE SUPPLIED BY MECHANICAL TRADES AND INSTALLED BY ELECTRICAL TRADES. COORDINATE ALL THERMOSTAT VOLTAGES AND LOCATIONS WITH THE ELECTRICAL TRADES.
- IN BUILDINGS CONTAINING MIX UNITS, WALL MOUNTED CONTROL BOXES SHALL BE SUPPLIED BY THE MECHANICAL TRADE AND INSTALLED BY THE ELECTRICAL TRADE. LOW VOLTAGE WIRING AND COMMISSIONING SHALL BE BY MECHANICAL.

SHOP DRAWINGS:

- PROVIDE TO THE ENGINEER MIN. FIVE (5) SETS OF SHOP DRAWINGS OF ALL APPLICABLE MECHANICAL COMPONENTS INTENDED FOR INSTALLATION. ONE SET WILL BE RETAINED BY THE ENGINEER AND ALL REMAINING SETS WILL BE RETURNED.
- ALL SHOP DRAWING PACKAGES MUST BE COMPLETE WITH ALL APPLICABLE MATERIALS. NOTE THAT THE SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS ALL EQUIPMENT IS ACCOUNTED FOR.
- ANY EQUIPMENT ORDERED PRIOR TO SHOP DRAWING APPROVAL IS THE SOLE RESPONSIBILITY OF THE MECHANICAL TRADE. THE TRADE WILL NOT BE COMPENSATED IF CHANGES ARE REQUIRED.

TESTING:

- ALL EQUIPMENT WHERE SPECIFIED AND/OR CALLED FOR BY THE AUTHORITY HAVING JURISDICTION OVER THE WORK SHALL BE TESTED IN ACCORDANCE WITH THE GENERAL INDUSTRY STANDARDS TO DEMONSTRATE THEIR CAPABILITIES.
- ALL PIPING SYSTEMS SHALL BE AIR TESTED FOR LEAKAGE PRIOR TO BEING COVERED IN ANY WAY, AS FOLLOWS, UNLESS OTHERWISE DIRECTED ON SITE BY THE ENGINEER OR OTHER AUTHORITY HAVING JURISDICTION OVER THAT PORTION OF THE WORK:
 - TEST ALL DOMESTIC WATER LINES AT 700KPA (100PSI) OF PRESSURE FOR A PERIOD NOT LESS THAN TWO (2) HOURS WITH NO APPRECIABLE LOSS.
 - TEST FIRE FIGHTING LINES AT 1400KPA (200PSI) OF PRESSURE FOR A PERIOD NOT LESS THAN TWO (2) HOURS, WITH NO APPRECIABLE PRESSURE DROP.
 - TEST DRAINAGE SYSTEMS BY FILLING WITH WATER TO PRODUCE A PRESSURE OF MIN. 300KPA AND MAX. 750KPA FOR NOT LESS THAN 15 MINUTES. CHECK FOR PROPER GRADE AND THAT SYSTEM IS OBSTRUCTION FREE BY BALL TEST.
- TEST ALL LOW VELOCITY DUCTWORK FOR TIGHTNESS AND LEAKAGE. ALL LEAKS SHALL BE REPAIRED PRIOR TO AIR BALANCING.
- ALL DUCTWORK SHALL BE CONFIGURED TO PROVIDE THE NOTED AIR FLOWS. BALANCE THE TOTAL AIR TO THE APPLICABLE RATIOS OF TOTAL AIR ACTUALLY MOVING THROUGH THE SYSTEM. NORMAL ACCEPTANCE OF AIR BALANCING SHALL BE +/-5%, OR AS OTHERWISE AGREED ON SITE BY THE ENGINEER.



PERMIT TO PRACTICE
908 ENGINEERING INCORPORATED

Signature: *[Signature]*
Date: *05 Nov 2013*

PERMIT NUMBER: P 11661
This Association of Professional Engineers,
Geologists and Geophysicists of Alberta

908 Engineering
INCORPORATED

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DRAWN: VRW CHECKED: KAM DATED: 05 NOV 13

0 05 NOV 13 ISSUED FOR PERMITS, TENDERS & CONSTRUCTION		FILE NO: 133502
REV.	DATE	DESCRIPTION
PROJECT:		DWG NO: M2
STETTLER RECREATION CENTRE AQUATIC HVAC RENOVATION STETTLER, ALBERTA		MECHANICAL SPECIFICATIONS OF 3

MECHANICAL SPECIFICATIONS CONT.

INSULATION:

1. ALL INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25, AND A SMOKE DEVELOPMENT CLASSIFICATION NOT TO EXCEED 50.
2. ALL PIPING INSULATION SHALL BE OF A FIBROUS GLASS MATERIAL WITH A K-VALUE NOT TO EXCEED 0.03 W/MC, WITH FACTORY APPLIED JACKETS, AS PER MASON AIR PIPING INSULATION OR EQUAL.
3. ALL INSULATION SHALL BE INSTALLED BY INDUSTRY CERTIFIED INSULATION TRADES, OR AS OTHERWISE APPROVED BY THE ENGINEER, WITH TIGHTLY SEALED JOINTS FREE OF NOTICEABLE DEFECTS.
4. ALL HVAC EQUIPMENT SUPPLY AND RETURN AIR PLENUMS, AS APPLICABLE, SHALL BE INTERNALLY LINED WITH APPROVED ACOUSTICAL INSULATION IN ALL SITUATIONS, OR AS OTHERWISE SPECIFIED AND/OR APPROVED BY THE ENGINEER.
5. THE FOLLOWING INSULATION SCHEDULE SHALL APPLY, AND BE CONSIDERED AS THE ACCEPTED MINIMAL LEVELS OF PROTECTION. ADDITIONAL INSULATION, IF NEEDED, SHALL BE SO NOTED ON THE DRAWINGS:
 - A) HOT, COLD & RECIRCULATING WATER PIPES - 13MM (1/2")
 - B) RAIN WATER/STORM PIPES - 13MM (1/2")
 - C) PLUMBING VENTS (WITHIN 6' OF THE ROOF) - 13MM
 - (1/2")
 - D) EXHAUST DUCT TO OUTLETS - 25MM (1") EXTERNAL
 - E) EXHAUST FAN PLENUMS - 25MM (1") INTERNAL
 - F) ROOFTOP UNIT PLENUMS - 25MM (1") INTERNAL & 25MM EXTERNAL
 - (1")
 - G) CONCEALED CEILING S/A DUCTS - 25MM (1") EXTERNAL
 - H) SERVICE SHAFT S/A DUCTS - 25MM (1") EXTERNAL
 - I) HEATING/COOLING WATER PIPES - 25MM (1") EXTERNAL

SUPPORTS, ANCHORS AND SLEEVES:

1. SUPPLY AND INSTALL ALL REQUIRED SUPPORTS, HANGERS, AND APPLICABLE SLEEVES OF SUFFICIENT STRENGTH AND RIGIDITY TO SUIT THE PARTICULAR CONDITIONS ON SITE, WITHOUT SUBJECTING UNLAME STRESS ON THE BUILDING OR EQUIPMENT.
2. SUPPLY AND INSTALL ALL REQUIRED MOUNTING DEVICES WITH RESILIENT, VIBRATION REDUCING SPRINGS OR OTHER SOUND ATTENUATION EQUIPMENT FOR ALL UNITS SO INCURRED TO CAUSE A VIBRATION OR SOUND NUISANCE FOR THE OCCUPANTS.
3. PROVIDE CHROME PLATED FLOOR, CEILING AND WALL ESCUTCHEON

PLATES AS REQUIRED IN 'FINISHED' AREAS, TO THE SATISFACTION OF THE ENGINEER.

4. ALL PIPING AND DUCT HANGERS/HOOS SHALL BE OF APPROVED GALVANIZED STEEL OR AS OTHERWISE APPROVED BY THE ENGINEER. ENSURE A NON-CORROSIVE CHEMICAL BALANCE IS ACHIEVED FOR ALL CONNECTIONS.
5. ENSURE ALL SUPPORT STRUCTURES ARE SECURELY MOUNTED TO THE BUILDING.

ELECTRIC MOTORS AND WIRING:

1. COORDINATE ALL ELECTRICAL POWER AND CONTROL WIRING AS APPLICABLE WITH CMSON 20 TRADES, UNLESS OTHERWISE AGREED OR SPECIFIED. OPERATION POWER SUPPLY AND TRANSFORMATION SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL TRADES, WHILE ALL CONTROLS AND ITS WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL TRADES.
2. ALL ELECTRICAL INTERLOCKS OF MECHANICAL EQUIPMENT SHALL BE COMPLETED BY THE ELECTRICAL TRADES, AS COORDINATED BY THE MECHANICAL TRADES.
3. UNLESS OTHERWISE NOTED, ALL ELECTRICAL HEATING DEVICES SHALL BE SUPPLIED BY THE MECHANICAL TRADES AND INSTALLED BY THE ELECTRICAL TRADES.
4. ALL CEILING MOUNTED CIRCULATION FANS AND ASSOCIATED FAN SPEED CONTROL SWITCHES SHALL BE NOTED ON THE MECHANICAL DRAWINGS AND SUPPLIED BY THE MECHANICAL TRADES, BUT SHALL BE INSTALLED BY THE ELECTRICAL TRADES.
5. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND SYSTEM INSTALLATION OF ALL REQUIRED MOTOR STARTERS AND APPLICABLE DISCONNECTS TO SERVE MECHANICAL EQUIPMENT.
6. ELECTRICAL HEAT TRACING CABLES SHALL BE COORDINATED BY THE MECHANICAL TRADES, AND SUPPLIED AND INSTALLED BY THE ELECTRICAL.

INCORPORATED MATERIALS:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL MATERIALS SHALL BE NEW AND FREE FROM DEFECTS TO THE SATISFACTION OF THE OWNER, GENERAL CONTRACTOR AND ENGINEER.
2. ALL MATERIALS AND EQUIPMENT SHALL BE CSA APPROVED AND BEAR THE CSA LOGO.
3. ANY SPECIFIC MANUFACTURER MAKE AND MODEL NUMBER NOTED ON THE DRAWINGS OR SPECIFICATIONS MAY BE SUBSTITUTED WITH EQUIVALENT MATERIALS MEETING ALL THE NOTED REQUIREMENTS. THE MECHANICAL TRADE MAY OPT TO OBTAIN PRIOR APPROVAL FROM THE ENGINEER AT THEIR DISCRETION. REMOVAL OF EQUIVALENT MATERIALS WILL NOT BE UNREASONABLY WITHHELD.
4. THE MECHANICAL TRADE IS ENCOURAGED TO OBTAIN THE MOST ECONOMICAL MATERIALS MEETING ALL REQUIREMENTS NOTED. ANY COST SAVINGS REALIZED BY EQUIVALENT PRODUCT SUBSTITUTIONS

ARE FOR THE BENEFIT OF THE MECHANICAL TRADE AND SHOULD BE REFLECTED IN THE TENDER PRICE. LIKEWISE, ANY ADDITIONAL COSTS TO CHANGE MATERIALS NOT MEETING THE GENERAL REQUIREMENTS OF THE SPECIFICATIONS AND DRAWINGS ARE THE SOLE RESPONSIBILITY OF THE MECHANICAL TRADE AND WILL NOT BE COMPENSATED.

5. SUPPLY AND INSTALL LAMINATED LABELS IDENTIFYING ALL EQUIPMENT AND CONTROLS.
6. LABEL ALL DOMESTIC WATER (SUPPLY, RETURN, RECIRCULATION), HEATING WATER (SUPPLY, RETURN), ABOVE GRADE STORM DRAINAGE, REFRIGERANT AND GAS PIPING WITH SELF-ADHESIVE LABELS COMPLETE WITH FLOW DIRECTION ARROWS WITH MINIMUM 3/4" SIZE LETTERING. INCLUDE LABELS FOR ALL VALVES AND IN-LINE EQUIPMENT OF 1" SIZE OR LARGER.

RENOVATION AND DEMOLITION WORK:

1. THE MECHANICAL TRADE SHALL EXPECT A REASONABLE AMOUNT OF RE-WORK NOT EXPLICITLY SHOWN ON THE DRAWINGS. REPORT ANY WORK DEEMED NECESSARY BEYOND THE ORIGINAL PROJECT SCOPE TO THE GENERAL CONTRACTOR AND ENGINEER FOR REVIEW.
2. WHERE APPLICABLE, REMAINING FIXTURES ARE TO BE MADE GOOD AND HAVE THEIR PIPING MADE GOOD FOR REUSE. COORDINATE ANY REPAIRS REQUIRED WITH THE GENERAL CONTRACTOR. FINAL PATCHWORK SHALL BE BY THE FINISHING TRADE.









MECH. EQUIPMENT SCHEDULE

RTU-1

NOMINAL 3.0 TON HEAT/COOL ROOFTOP UNIT, DOWN DISCHARGE & RETURN CONFIGURED, DELIVERING MIN. 1200 CFM @ 0.75" ESP, 105 MBTUH HEATING G/W ECONOMIZER DAMPER, 7 DAY PROGRAMMABLE T-STAT CONTROLLING HEATING, COOLING AND FAN OPERATIONS, 1/2 HP BLOWER, 575V-3P POWER, R-410A REFRIGERANT.

OPTIONAL: SUBMIT OPTIONAL TRADE PRICING TO UPGRADE TO LENNOX ENERGECORE SERIES 'LH030545HM' (OR EQUAL).

HVAC SYMBOLS LEGEND

-  SUPPLY AIR PLENUM
-  RETURN AIR PLENUM
-  SQUARE (T-BAR) SUPPLY DIFFUSER
-  ROUND CEILING SUPPLY DIFFUSER
-  RETURN AIR GRILL
-  CEILING MOUNTED DUCTWORK
-  BALANCE DAMPER
-  THERMOSTAT

MECHANICAL RENOVATION NOTES

GENERAL: MAKE GOOD ANY HVAC SYSTEMS AFFECTED BY RENOVATION WORK. DUCTWORK AND MECHANICAL INFORMATION SHOWN IS FOR REFERENCE ONLY AND MAY NOT INCLUDE EVERY COMPONENT THAT IS AFFECTED BY THE RENOVATION WORK. CONFIRM ALL WORK ON SITE.

NOTE '1': EXISTING NOM'L 3.0 TON RTU IS TO BE REMOVED AND DISCARDED OFFSITE. SUPPLY AND INSTALL A NEW NOM'L 3.0 TON RTU AS SPECIFIED. MAKE GOOD AND RE-USE THE EXISTING ROOF CURB AND SUPPLEMENT WITH ADDITIONAL MATERIALS TO SUIT REVISED RTU SIZING.

NOTE '2': EXISTING ROUND SUPPLY AIR DIFFUSER AND ASSOCIATED BRANCH DUCTWORK TO BE CAPPED, REMOVED AND DISCARDED OFFSITE.

NOTE '3': EXISTING 24"x24" SUPPLY AIR GRILLE TO REMAIN. ADJUST THE AIR VOLUMES BEING DELIVERED TO SUIT THE NEW AIR BALANCE VALVES. MAKE GOOD AND MAINTAIN EXISTING DUCTWORK.

NOTE '4': EXISTING 24"x16" RETURN AIR ECONOMIZER GRILLE TO BE REMOVED AND DISCARDED OFFSITE. SUPPLY AND INSTALL DUCTWORK FROM RETURN AIR PLENUM TO NEW 24"x12" RETURN AIR ECONOMIZER GRILLE AS DEPICTED.

NOTE '5': SUPPLY AND INSTALL A NEW 7-DAY PROGRAMMABLE THERMOSTAT G/W ALL CONTROL WIRING TO DIRECTLY CONTROL NEW RTU-1. BUS SHALL NOT BE TIED INTO THIS RTU.

NOTE '6': DESIGN ENGINEER ESTIMATES THAT THE NOTED EXISTING BMS THERMOSTAT DIRECTLY CONTROLS THE IN-LINE HYDRAONIC REHEAT COIL. CONFIRM BMS FUNCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR FURTHER REVIEW.



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908 ENGINEERING INCORPORATED	
Signature	
Date	05 NOV 2013
PERMIT NUMBER: P 11661	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	

908Engineering INCORPORATED PO Box 20020 Red Deer, AB T4N 6X5 Phone: 403.986.2939 Web: 908eng.com		PROJECT: PROPOSED STETTLER RECREATION CENTRE AQUATIC HVAC RENOVATION STETTLER, ALBERTA		FILE NO: 133502	
		MECHANICAL SPECIFICATIONS CONTINUED		DWG NO: M3 OF 3	
DRAWN: VRY	CHECK: KAM	DATE: 05 NOV 13			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pathway System Improvements		PLS	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New <input checked="" type="checkbox"/> Replacement Upgrading			
Project Description Fire Hall to Cold Lake including pedestrian walk way under the railway.			
Project Justification Continue to provide loops for path system.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$100,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
5 Ton Crane		Public Works	\$45,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014	3	2
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a 5 ton manual free standing crane for the new shop addition. Includes top running runways and runway support structure.			
Project Justification A crane in the shop is an essential tool. In theory, the existing 2 ton crane in the existing shop could be moved over to the new shop, however it has never been certified or engineered. To have this completed would cost \$10,000 and the crane is still undersized for the shop needs. Many times large equipment is shipped to Red Deer or Calgary for repair as the mechanic needs up to a 5 ton crane to complete repairs and service.			

Operating Budget Implications It will keep operating costs down. Elimination of delivering equipment to a contracted mechanic to complete the repairs offsite. Allows equipment to be serviced or repaired sooner, keeping projects and work moving.	
Project Options Delay, however \$10,000 would be necessary to certify the existing 2 ton crane.	
Proposed Financing: Reserve: General \$45,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Recycle Concrete Material		Public Works	\$150,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Feb	2014	3	3

Nature of Request: **New** ☒ **Replacement** **Upgrading**

Project Description

Crush accumulated concrete and asphalt at the transfer site. Concrete is crushed to 25mm. The town accepts concrete material from contractors as well, for a fee. The large asphalt is also crushed and used as a milling product to cap trenches and other excavations to reduce dust.

Project Justification

The Town recycles all concrete and asphalt removed from road reconstruction projects and crushes it every three to four years into a crushed gravel product that is re-used as gravel base material in road repairs, utility excavations, pathway base material and soft spot repairs. In 2013, the last of the crushed concrete was used as base material for the fire hall parking lot.

The last crushing was completed in 2010.

Operating Budget Implications

Reduces the amount of crushed gravel required. The average cost for gravel material is approximately \$20/cu.m., it costs approximately \$13/cu.m. to crush the concrete, resulting in a savings. However, the greatest benefit is recycling the concrete material. If we didn't crush it ourselves, we would have to find an alternate location to ship it to be recycled.

Project Options

None. We are currently out of product and have limited space at the transfer station to store concrete from 2014 construction season.

Proposed Financing: **Reserve:** General \$150,000 **Grant:**

Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pavement Patching Program - 2014		Trans	\$150,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - July	2014 - Sept		
Nature of Request: New Replacement X Upgrading			
Project Description Replace miscellaneous sections of failed asphalt to prolong the life and integrity of the road.			
Project Justification The paved lane at home hardware and paragon place has deteriorated and is in need of asphalt patching/overlay. Also, sections in the industrial area have failed and need repair to maintain the life of the road surface.			

Operating Budget Implications Significantly reduces the amount of pothole repairs completed.	
Project Options None	
Proposed Financing: Reserve: General \$150,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Roadway Improvements - 2014		Trans	\$1,205,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

- Phase 2 of the reconstruction of 50 Avenue from 47-46 Street including 47 Street from 50-51 Avenue. Remove and replace concrete sidewalks, curb and gutter, remove existing soil cement and install 75mm asphaltic concrete.



- Blair Boulevard Storm was replaced last year on 57 Street and the lead water services on 45 Avenue were replaced in preparation of road improvements. The existing sidewalk has trips and replacement identified every year during annual inspections.



Project Justification

This road has poor surface drainage, is deteriorated and the concrete is spalling, cracking and in need of replacement. Underground utilities are to be replaced in 2013.

Operating Budget Implications

Reduced liability for trips on uneven sidewalk and asphalt surfaces. Elimination of pothole and crack filling repairs.

Project Options

None. Both roads have been disturbed with underground utility construction.

Proposed Financing:	Reserve:	Grant: BMTG \$344,880 MSI \$385,000 FGTF \$475,120
	Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Hydrovac Replacement		Public Works	\$410,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New Replacement X Upgrading			
Project Description Purchase a new hydro-vac truck to replace the existing vac-con truck.			
Project Justification In 2014 the existing flushing truck will be 10 years old. Currently the truck has 5,585 hours on it. The repairs and maintenance are high and currently costs us around \$40,000 a year. As the truck ages parts like the water pump, blower and hydraulics will need to be replaced with a substantial cost. The hydrovac is a critical piece of equipment for the Town. It allows repairs of water, storm and sewer mains with minimal disturbance. There are many shallow utilities directly above or adjacent to our mains. Without the hydrovac in the fleet, excavations will require additional staff time to hand expose utilities.			

Operating Budget Implications The hydrovac keeps operating and capital costs down. Without the hydrovac, excavations would be much larger, resulting in larger asphalt repairs. Also, excavations near shallow utilities are much quicker, as lines can be exposed with the equipment, instead of hand exposing, which takes longer and poses a risk to staff safety. In 2013 the PW department put 600 hours on the flushing truck. If we had to rent a piece of equipment, it would have cost \$350/hr for a yearly cost of \$210,000. The existing hydrovac will be sold. Estimated value is \$70,000 - \$90,000.	
Project Options Delay to 2015. Approve an additional \$210,000 for rental or repair costs.	
Proposed Financing: Reserve:	Grant: MSI \$410,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sidewalk Replacement Program		Trans	\$130,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - June	2014		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace miscellaneous sections of sidewalk & curb.

Project Justification

Aged & excavated sections of sidewalk & curb.
 Tripping hazards, Spalling concrete, separation.
 Installation of para ramps as required. Repairing all trips and hazards allows us to meet the Town's current sidewalk policy and reduces our liability.

Operating Budget Implications

Reduced time spent monitoring unsafe sidewalks. Reduced costs for grinding trips. Reduced costs for asphalt patching bad sections.

Project Options

None.

Proposed Financing: **Reserve:** General \$55,000 **Grant:**
 Debenture: **Other:** Operating Budget \$75,000

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
LI 50 Ave/42-38 St Town Share		Public Works	\$84,905
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014	2014		
Nature of Request: New X Replacement Upgrading			
Project Description Northeast Industrial subdivision pavement local improvement initiated in 2013. Project construction delayed to 2014. Project estimated cost \$385,000 with Town owned property share of \$84,905.			
Project Justification Evolution of services once critical lot sales obtained.			

Operating Budget Implications None, to be paid from lot sale profits held in LDR.	
Project Options Use General Reserve funds or borrow (\$5,932/year payment for 20 years) from ACFA along with other property owners.	
Proposed Financing: Reserve: LDR \$84,905 Grant: Debenture: Other:	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Fire Truck (2014-15)		Fire	\$709,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Jan.	2014 - Aug.		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace 1989 fire engine with a new apparatus assembled on a custom chassis, with a diesel engine, featuring a 1250 IGPM pump and a 1000 gallon water tank. Note: Based on tender results from previous fire apparatus purchases the estimated cost for a new fire engine in 2014 will be 709,000

Project Justification

There are two primary motivations for investing in fire protection infrastructure, life safety and property protection. An additional benefit and thereby motivating reason for investing in fire protection infrastructure is cost benefit of achieving a recognizable benchmark of insurance industry that provides a cost benefit to property owners by way of reduced insurance premiums. The most reasonable and achievable benchmark that the Town of Stettler can move toward is a Public Fire Protection Classification of 7. To move to a PFPC of 7, the Town of Stettler was given the following recommendations from a Fire Underwriters Survey completed in 2006;

- a) Provide an aerial device for the Town of Stettler – Ranked High **Completed**
- b) Expand fire station space for training and equipment - Ranked High **Completed**
- c) Provide additional apparatus and improve pumping capacity – Ranked Critical
- d) Hire a Training Officer – Ranked High
- e) Hire a Fire Prevention Officer and develop a Fire Prevention, Inspection and Public Education Program – Ranked High

The Town of Stettler has a minimum Basic Fire Flow requirement calculated at 3000 IGPM for a duration of 2.875 hours which requires reservoir volume of 1,375,625 imperial gallons. Providing additional apparatus and improving pumping capacity was ranked critical because our fire apparatus is not able to meet the minimum basic fire flow capacity of 3000 IGPM. The addition of the aerial has improved our capacity to 2645 IGPM. A new replacement fire engine in 2014 will bring our pumping capacity to 3375 IGPM. The new fire engine must be designed and constructed in accordance with ULC S515 to be a credited ULC listed fire apparatus.

In addition the Fire Underwriters have an age requirement for Fire Apparatus Insurance Grading Recognition. In small communities fire apparatus can be used as "First Line" up to 20 years, "Second Line" up to 25 years and "Reserve only" up to 29 years with the condition of completing a strict performance test every year of service beyond 20 years.

Operating Budget Implications

Normal equipment maintenance cost.

Project Options

- Approve budget in full
- Delay purchase until 2015, contribute money to fire engine capital reserve
- Table until 2015

All fire apparatus are custom built and from the Tender process to delivery take 12 months to complete. Fire apparatus manufacturing companies have several payment options that can have a dramatic effect on the final cost of the apparatus.

- Tender in US funds we save by exchange rate control
- Prepayment save 4% of total cost
- 15% deposit and pay for chassis three months before final delivery save 2% of total cost
- 15% deposit and payment on delivery no discount

Our desire is to have a new apparatus in service for June 2015. The following is an example to complete that task:

1. Tender February 2014;
2. Order March 2014 Payment – (Complete prepayment or 15% deposit)
3. Pre-construction meeting at the plant March 2014
4. Released for construction engineering etc. April 2014
5. Chassis payment option September 2014
6. Delivery April 2015 Payment – (Remainder less chassis and deposit or remainder less deposit)
7. Equipment installation and training May 2015
8. In service June 2015

Example:

15% deposit \$106,350

Chassis payment about six months before final delivery 280,000

Final payment upon delivery \$322,650

Proposed Financing:

Reserve:

Grant:

Debenture:

Other: Debenture \$709,000

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Miscellaneous Equipment		Fire	\$27,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Jan.	2014 - Dec.		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace or up grade small equipment as needed or required. The following is a list of items that need to be replaced or up graded.

Loose equipment for new fire engine:

300m (1000') of 125mm (5") hi-volume hose with storz fittings \$9000

TFT hydrant assist valve \$1800

Positive pressure ventilation fan \$ 2700

Blitz Fire 65mm portable ground monitor \$3300

Cutters edge vent saw \$ 2200

Hydrant wrenches, spanners and brackets \$1700

Hand Tools \$ 2000

Equipment mounting hardware \$5000

Class A hazmat suits In addition to the above equipment the following items should be considered for the future:

Replacement ground monitor

Vehicle tracking equipment , Ice Rescue Suits

Confined space ventilator Fire fighter rehab misting attachment for PPV fan

Portable work lights, Defibrillator, Thermal image camera Rapid intervention pack

Project Justification

The items listed above will require replacement at some time. Fire hose for example is an item that we test every year and every year we have lines that fail that must be replaced. The intent is to have the ability to replace the equipment as required. Fire equipment supply companies quite often have sales during the fire chief's convention or at various times throughout the year. I would like to encourage council to consider allowing the fire department the ability to purchase the above small equipment as required at the appropriate time in an effort to reduce expenses.

Operating Budget Implications

None

Project Options

Reduce or delay replacement items, the list is a generalization of small equipment items that require replacement however the timing can be flexible.

Proposed Financing: **Reserve:** General \$27,000 **Grant:**
 Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Thermal Imaging Hand Held Camera		Fire	\$19,500
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Jan	2014 - Apr		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Replace Thermal Imager Camera with a Bullard T4MAX with Electronic Thermal Throttle. A thermal imager is used for the following functions:

- ☐ See through smoke to quickly locate unconscious victims or search for a down fire fighter
- ☐ Locate burning or smoldering items to fully extinguish a fire
- ☐ Document full extinguishment to prevent rekindle lawsuit
- ☐ Search for missing accident victims or lost children in dark, fog or snow storm
- ☐ Determine the number of occupants in a vehicle accident
- ☐ Manage hazardous materials by identifying a leak or product level in a tank or vessel
- ☐ Investigate overheating components in appliances or hidden in walls

Project Justification

Our current thermal image camera is a 2004 model; parts are no longer available for this unit. The unit is battery operated and we are having difficulty keeping it serviced and running properly, it needs to be replaced soon. This project was slated for replacement in 2013 as a Town and County joint project however it was cut during County Capital council review and tabled for future years.

Project benefits:

- ☐ The new imager has Electronic thermal throttle which can isolate heat sources so we can identify overheating electrical components that otherwise we can't distinguish with our old camera.
- ☐ Brighter display enables viewing in thick smoke and sun light
- ☐ 4x digital zoom
- ☐ Red hot colorization helps fire fighters know when to evacuate a structure before a flashover occurs or their gear fails
- ☐ Record / capture feature for liability and training

Operating Budget Implications

None

Project Options

Approve project in full. Table for future years

Proposed Financing: **Reserve:** General \$9,750 **Grant:**
 Debenture: **Other:** County \$9,750

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Self Contained Breathing Air Pack Replace.		Fire	\$167,500
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2014 - Jan	2014 - June		

Nature of Request: **New** **Replacement X** **Upgrading**

Project Description

Purchase 22 SCOTT AIR-Pak X3 Model 4.5 NFPA 1981, 2013 edition self contained breathing apparatus complete with 4500 PSI operating pressure, RIT connection, heads up display, integrated man down alarm and SEMS II personnel accountability system. Purchase 53 light weight composite carbon fiber cylinders. Rated for 4500 psi with up to 45 minute duration.

Project Justification

Self Contained Breathing Apparatus (SCBA) must be worn in areas where the atmosphere is known to be hazardous, suspected of being hazardous or will become hazardous during the incident. Personnel accountability during emergency situations is paramount for the safety of our Fire Fighters. The National Fire Protection Association (NFPA) and Alberta Occupational Health & Safety Regulations require that a personnel accountability system be in place and must enable the identification of Fire Fighters entering and leaving hazardous areas, and tracking of Fire Fighters by both location and function. In addition over the past ten years safety features such as integrated man down alarms, universal buddy breathing air connections and redundant low air pressure alarms have been added. In 2013 NFPA made significant changes to the SCBA standards such as the end of service or low pressure alarm activation from 25% to 33% of the cylinder's operating pressure reducing the working time of a low pressure SCBA to less than 15 minutes. The face piece lens now has increased durability against high temperatures and radiant heat. Given these changes it has become necessary to change out our current SCBA to high pressure units with an integrated SEMS accountability system to reduce the risk of injury to our fire fighters.

Benefits

- Changing to a 4500 PSI SCBA with a 45 minute cylinder will increase the working time by 44% and reduce the weight of the air pack by 30%;
- A man down alarm will be critical in the event a fire fighter becomes lost or trapped in a structure fire;
- The SEMS II accountability system tracks personnel assignments, which is critical for the Incident Commander in charge of the scene;
- Real air time is displayed to an ordinary laptop computer through a mesh networking 2.4 Ghz radio frequency. This provides the ICS a "real time" picture of the air his personnel are using while inside a structure;
- An emergency evacuation call can be made from the laptop computer to all personnel inside the structure. This eliminates the potential of firefighters missing an emergency
-

Note: For this project to proceed the County of Stettler Council will need to approve replacement of County owned SCBA as well. We can't change out half of the departments SCBA to high pressure and leave the other half at low pressure because the two air packs are not compatible with each other.

Operating Budget Implications

Reduced maintenance cost of SCBA – New SCBA carry a full 10 year on entire Air- Pak and 15 years on the reducer.

Project Options

- Approve project in full
- Table until future years

Proposed Financing:	Reserve:	General \$41,000	Grant:
	Debenture:		Other: Utility Surplus \$126,500

AIR-PAK X3



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sewermain Extension - North Stettler		Sewer	\$300,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Extend sewer main trunks to newly developing areas.			
Project Justification To support future development. This is a placeholder for funds for extension of underground utilities from Emmerson to Tower Road, or connection and extension of the West Stettler Highway Commercial Area (near Steve Wilfort Development).			

Operating Budget Implications None	
Project Options Delay	
Proposed Financing: Reserve: <div style="text-align: center;">Debenture:</div>	Grant: MSI \$130,000 Offsite Levies \$170,000 Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sanitary Main Replacement 51 Ave (57-61 St)		DOS	\$330,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace & lower sanitary main and services from 57 St to 61 Street.			
Project Justification Main is shallow and freezes. Also, because of the depth, when we flush the main every year, it backs up into some of the houses on 51 Avenue. 51 Avenue is in need of reconstruction in 2015. These underground improvements must be completed a year prior to the road work to allow the trenches to settle.			

Operating Budget Implications Will eliminate the need to thaw the main. Reduces the probability of blockages with PVC pipe.						
Project Options Delay to 2016						
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;">Reserve:</td> <td style="width: 33%;">Grant: MSI \$330,000</td> </tr> <tr> <td></td> <td>Debenture:</td> <td>Other:</td> </tr> </table>	Proposed Financing:	Reserve:	Grant: MSI \$330,000		Debenture:	Other:
Proposed Financing:	Reserve:	Grant: MSI \$330,000				
	Debenture:	Other:				

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Extension - North Stettler		Water	\$300,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Extend water main trunks to newly developing areas.			
Project Justification To support future development. This is a placeholder for funds for extension of underground utilities from Emmerson to Tower Road, or connection and extension of the West Stettler Highway Commercial Area (near Steve Wilfort Development).			

Operating Budget Implications None	
Project Options Delay	
Proposed Financing: Reserve:	Grant: MSI \$300,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Replacement 51 Ave (57-61 St)		DOS	\$425,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace water main and services from 57 St to 61 Street.			
Project Justification Cast iron main that is subject to water breaks. 51 Avenue is in need of reconstruction in 2015. These underground improvements must be completed a year prior to the road work to allow the trenches to settle.			
Operating Budget Implications Reduced chance of watermain breaks with cast iron. Reduced liability for road improvements.			
Project Options Delay to 2016			
Proposed Financing: Reserve: Grant: MSI \$425,000 Debenture: Other:			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Raw Water Pump Variable Frequency Drive		WTP	\$20,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Review VFD options. Provide scope for submission to contractors. Manage install, test, commission, training, and collect Operation and Maintenance Manual details.			
Project Justification There are two 75 HP Raw Water Pumps with VFD's. VFD failure on one of the Raw Water Pump occurred in 2011 after warranty completion. Sent in to supplier for analyzing the cause of failure. Response was repairs would be as costly as replacement. The VFD provides speed control and allows for flow adjustments. Purpose of a VFD is the ability to save energy by consuming only the power that's needed. Currently we have one pump with VFD control and the other is 100% speed. When by-passing the pond, VFD control is required for flow adjustments. Each pump can provide up to a maximum of 167 L/s.			
Operating Budget Implications If bypassing of the Raw Water Pond occurs and both pumps do not have VFD control, plant operation would be difficult. Flow would have to be done by manual valve operation. Controlling flow by manual valve is not efficient and difficult on the pump and valve. Staff would need to be at the plant 24/7 until bypass is no longer required.			
Project Options None			
Proposed Financing: Reserve: Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: Utility Surplus \$20,000 </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Cathodic Protection of Raw Water Pumphouse		WTP	\$20,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description To ensure that all metallic components within the Raw Water Pumphouse have corrosion protection installed. <u>Phase 1</u> Select a company to review our current cathodic system and provide a report including recommendations. <u>Phase 2</u> Prepare project scope and submit to contractors. <u>Phase 3</u> Review bids and award work to successful bidder. <u>Phase 4</u> Project will be managed internally.			
Project Justification CORRPRO Canada Inc. provided a protection survey report in 2010. The report mentioned that the low lift lines appear to be protected by sacrificial anodes; however there are no test leads from the anodes in test points. Since there is no way of disconnecting the magnesium anodes, current output and polarization data cannot be collected . Additional information is required to allow an accurate evaluation of the system. In other words, there not sure if the existing cathodic protection is functional. Attached photos demonstrate that there is a cathodic protection issue. Currently, we see major corrosion by means of the lines and ladders. The Pumphouse includes different types of metallic equipment. It is ladders, lines, pumps, bolts, and the metal building envelope. Operation and Safety is a major concern within the Raw Water Pumphouse. Corrosion of the inlet piping and access ladders has occurred and continues. If an intake line fails prior to the well isolation valve, control of incoming River water will be impossible. Water will flow into the well with no option for isolation. Safety is a concern when staff or contractors are in the wells for cleaning, maintenance, and repairs.			

Operating Budget Implications

As corrosion continues, raw water supply could be affected causing risks in maintaining water production. Safety for staff and contractors is a concern when access of intake wells is necessary. No maintenance or repairs will be performed on the chambers, grit pumps, intake pumps, and screens. If flooding occurs, the pumps and electrical systems could be destroyed. Repair costs would be substantial. If failure of the lines occurs, divers would have to plug the raw water supply line at the intake structure in the river. Underwater welders would weld the corrosion holes on the pipe before other repairs could be scheduled.

Project Options

None

Proposed Financing:

Reserve:

Grant:

Debenture:

Other: Utility Surplus \$20,000



Current Raw Water Intake Line Corrosion



Isolation Valve



Current Ladder Corrosion

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
WTP & Raw Water Pumphouse Exterior Repairs		WTP	\$50,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description <u>Water Treatment Plant:</u> Remove existing cement board and insulation on the South and West of existing WTP. Replace all base insulation and cement board. <u>Raw Water Pumphouse:</u> Replace bottom section of metal building due to corrosion. Corrosion is occurring on the base perimeter of the building. Signs of some corrosion occurring in some areas of the interior. Provide project scope to local contractors, Review bids, and Manage project internally.			
Project Justification <u>Water Treatment Plant:</u> Due to the cement board damage, rodents are tearing down the insulation. Damage is extensive and requires repair. <u>Raw Water Pumphouse:</u> Corrosion is occurring on the outside of the building base perimeter and will continue. Temporary rust paint has been applied to delay progression of corrosion. Signs of some corrosion in some areas of the building interior.			

Operating Budget Implications

Deterioration of the WTP base insulation and corrosion of the Raw Water Pumphouse will continue. Repair is not possible; replacement is the long term solution.

Project Options

None.

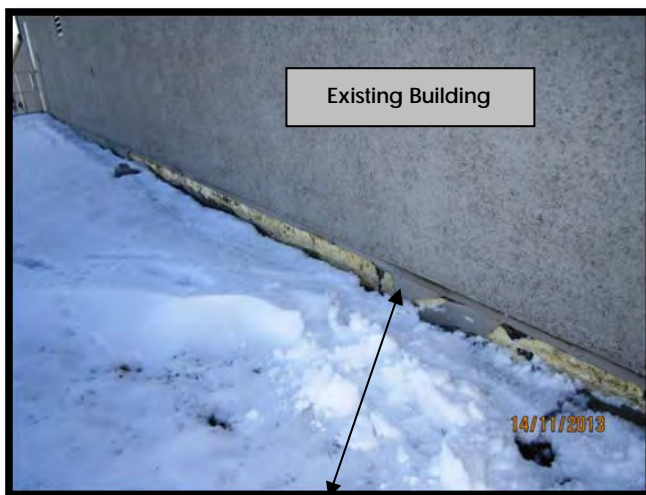
Proposed Financing:

Reserve:

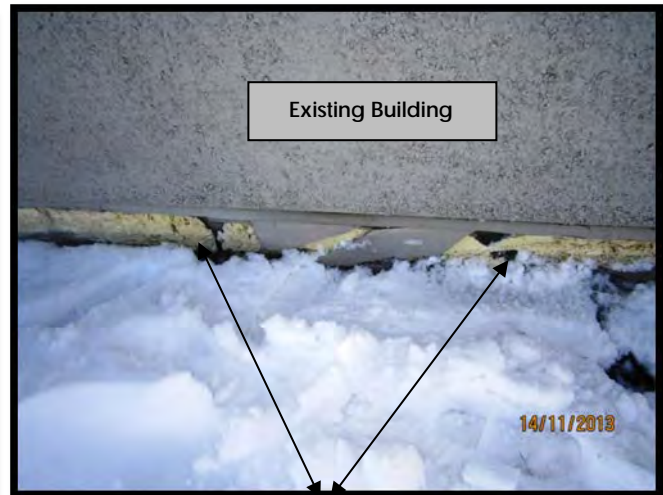
Grant:

Debenture:

Other: Utility Surplus \$50,000



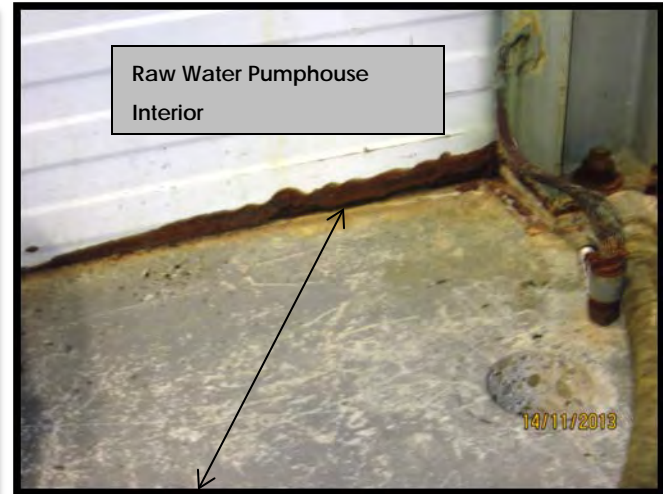
Cement Board Damaged



Insulation Damaged



Raw Water Pumphouse Corrosion



AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Distribution Pump - Utility Power Transfer		WTP	\$50,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement Upgrading X			
Project Description Upgrades to the Motor Control Centre (MCC) to operate one Distribution Pump on Generator and one Distribution Pump on Utility Power. Project will be managed internally.			
Project Justification Purpose of this work is to prevent a Second Distribution Pump from starting on Utility Power High when Peak Water Demand is met. The enhancements in the MCC would provide options that the Lead Pump would operate on Utility Power and the Second Pump would operate on Generator Power. Peak Water Demand was 6430 m3/day in 2011, 5888 m3/day in 2012, and 7085 m3/day in 2013. Currently, we have three 200 HP Distribution Pumps with each having a capacity of approximately 81 L/sec. Under normal distribution system conditions, there is One Pump operating, however, if High Peak Water Demand is met, a Second Pump will START on Utility Power and this will affect power rates. Examples of High Peak Water Demand could be major fires, drought years, drought days/or weeks, flushing lines, line breaks, and commissioning of new lines. Until the flow is consistently over 7000 m3/day, it would be beneficial to have the option of running a Second Pump on Generator Power. Any flow above 7000 m3/day will require a Second Distribution Pump.			

Operating Budget Implications When a Second Distribution Pump is necessary, power cost will be increased due to higher power demand.			
Project Options Delay to 2016, however expect higher power costs if second distribution pump is needed.			
Proposed Financing: Reserve: General \$50,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			



200 HP Distribution Pumps



Motor Control Centre (MCC)

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Inter Municipal Basin Study		Drainage	\$125,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		

Nature of Request: **New** X **Replacement** **Upgrading**

Project Description

Complete a Inter Municipal Basin Study on Red Willow Creek with the County of Stettler.

Project Justification

In 2011, Alberta Environment recommended that the Town consider implementing a basin study on Red Willow Creek. As Red Willow Creek is a storm outlet for the Town and the County, a joint study should be completed on the capacity of the creek and the future requirements to be imposed on new development to prevent flooding and potential hazardous contamination to downstream landowners. The Storm Water Master Plan presented to Council in October 2012, also had this same recommendation to ensure that the creek has adequate capacity to handle new development within the Town boundary.

Operating Budget Implications

Reduced liability from downstream landowners for potential flooding and hazardous control. Coordination with County of Stettler to cost share this project as we both benefit from this study.

Project Options

Administration has applied for grant funding for this project in coordination with the County of Stettler. If funding is not successful, this project cannot be delayed, as AEnv have given until 2015 to start the basin study.

Proposed Financing: **Reserve:** General \$125,000 **Grant:**
 Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Storm Main Improvements		Drainage	\$450,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading X			
Project Description Install storm main on 53 Street.			
Project Justification Due to the lack of storm mains and catchbasins in the school area, large volumes of water end up at the catchbasins at 54 Street and Highway 12. Water travels up to 4 blocks away to reach these culverts. In high volume rain events, many homeowners move their vehicles as the water levels reach the bottom of the doors of the vehicles. Installing a 300mm storm up to the corner of 53 Street and 48 Avenue will help alleviate this volume of storm water that ends up at Highway 12.			

Operating Budget Implications Reduced flooding occurrences. Reduced liability with homeowner flooding, reduced damage to asphalt surface with the elimination of storm water sitting at the curb and gutter.	
Project Options Delay to 2016	
Proposed Financing: Reserve: Grant: MSI \$450,000 Debenture: Other:	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Streetscape Phase 3 - Design & Construction		Planning	\$600,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		

Nature of Request: **New** **Replacement** **Upgrading X**

Project Description

Design: To prepare engineered drawings and tender documents for the second phase of the streetscape project. Administration recommends this phase be north half 50 Street south of 50 Avenue block and the connections to the 51 Street block and the 49 Street block along 50 Avenue. Constuction: Replace the sidewalks on the north half 50 Stret south of 50 Avenue block of Main Street as well as replace sidewalks to create rail design connections to the 51 Street block and the 49 Street Hub Parking Lot. Install intersection "bulbouts" at the 50 Avenue and Main Street intersection (2) as well as the mid street crossing (2). Reduce the crown on Main Street on the north half 50 Street south of 50 Avenue block.

Project Justification

To have the third phase of engineered drawings and tender documents readily available to continue the streetscape project in a timely manner. To continue the rail track design along Main Street as well as connecting to 51 Street and the 49 Street Hub Parking lot along 50 Avenue.

Operating Budget Implications

Project Options

Delay the project to 2014.

Proposed Financing: **Reserve:** **Grant:** MSI \$255,120 BMTG \$344,080
 Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Computer Replacement Plan		Administration	\$14,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Purchase seven computers for regular workstation upgrading.			
Project Justification The seven new computers will replace older computers.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: Computer Capital \$14,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Photocopier Replacement		Administration	\$20,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace the Richo photocopier.			
Project Justification It was purchased in 2007 and is in need of replacement.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$20,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Heating Units Replacement - Two		PLS	\$40,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - June	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace two heating units in SRC in dressing rooms and lobby area.			
Project Justification Lifecycle and energy efficiency.			

Operating Budget Implications An energy efficiency model will reduce power and gas consumption.									
Project Options <div style="height: 40px;"></div>									
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">Proposed Financing:</td> <td style="width: 25%;"> Reserve: General \$40,000 </td> <td style="width: 25%;"> Grant: </td> <td style="width: 25%;"></td> </tr> <tr> <td></td> <td> Debenture: </td> <td> Other: </td> <td></td> </tr> </table>		Proposed Financing:	Reserve: General \$40,000	Grant:			Debenture:	Other:	
Proposed Financing:	Reserve: General \$40,000	Grant:							
	Debenture:	Other:							

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Arts & Culture Allocation		PLS	\$15,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement Upgrading			
Project Description Annual allocation/commitment by Council to support Arts & Culture projects and/or facility upgrades.			
Project Justification			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$15,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Picnic Tables		PLS	\$12,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replacement of 12 picnic tables at the campsite.			
Project Justification Old tables do not stay stable and need constant board replacement.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$12,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Energy Management System		PLS	\$27,500
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Apr	2015		
Nature of Request: New Replacement Upgrading X			
Project Description Upgrade the Delta Energy Management System for the facility.			
Project Justification We are now operating 2 systems. One system is DOS; so if it fails we may have difficulties operating most of the facility components. We have had to use the hit it method for it to work. Past practice was to save money so some controls were abandoned and mechanical contractors redesigned operating controls in order to get systems operational. Other buildings in Town (hospital) use this system (cheaper maintenance costs). This system will allow upgrades or changes when SRC upgrades are done.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$27,500 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Phone System at PLS Office		PLS	\$8,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Upgrade phone system at Parks & Leisure Office.			
Project Justification Phone system is from original building. We are at the maximum capacity for phones. Voice mail is commonly requested for leaving messages from patrons. For privacy sake, they want voice mail. Handsets are harder to replace as system is so old. Better Customer service.			

Operating Budget Implications Only used phones have been available for this system and are no longer available. If a phone breaks we will be without affecting customer service.			
Project Options Continue using outdated system.			
Proposed Financing: Reserve: General \$8,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Climbing Wall		PLS	\$25,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Mar	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Climbing wall feature for patrol activity during swims.			
Project Justification Enhance pool function and serviceability, increase admissions. Give patrons something new and exciting.			
Operating Budget Implications Increase revenue.			
Project Options 			
Proposed Financing: Reserve: General \$25,000 Grant: Debenture: Other:			

CLIMBING WALLS

Kersplash™

Add adventure to your aquatic area with a poolside climbing wall. Kersplash™ is suited for indoor or outdoor use and is available in two panel styles. Kersplash™ Crystal Clear™ complements any aquatic center and offers visibility to areas behind the wall. Kersplash™ Color makes a bold visual statement with brightly colored panels. Both styles are made from UV- and chlorine-resistant materials and feature red, yellow and orange Groperz™ Hand Holds. The Kersplash™ frame is constructed of high-quality, 100% passivated stainless steel to withstand harsh pool environments.

CLIMBING WALL PRICING

Item No	Panel Stil.	Height	4' Wide	8' Wide	12' Wide	16' Wide
70536	Clear	12'	\$8240.25	\$14,870.75	\$20,692.50	\$26,505.00
70537	Clear	16'	\$10,185.00	\$17,577.00	\$25,017.00	\$32,085.00
42638	Color	12'	\$7,469.00	\$13,392.00	\$18,600.00	\$24,180.00
42639	Color	16'	\$9,215.00	\$15,810.00	\$22,599.00	\$29,760.00

Prices are FOB Factory

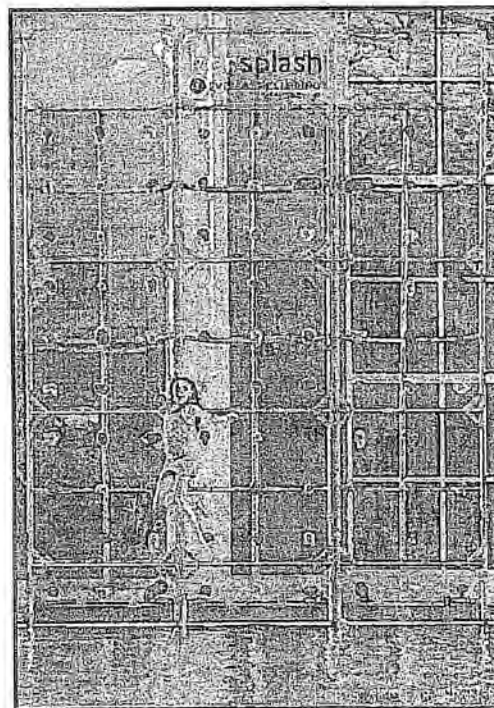
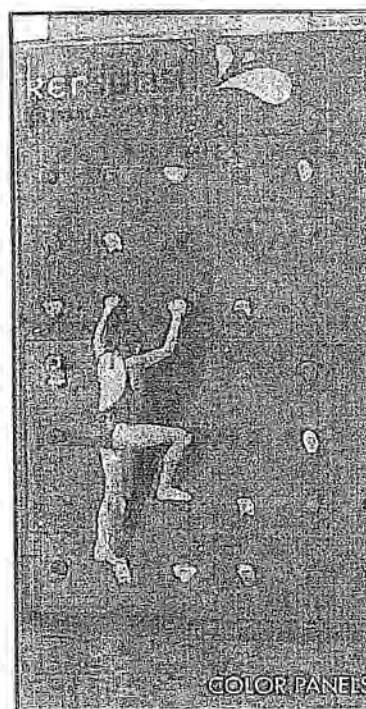
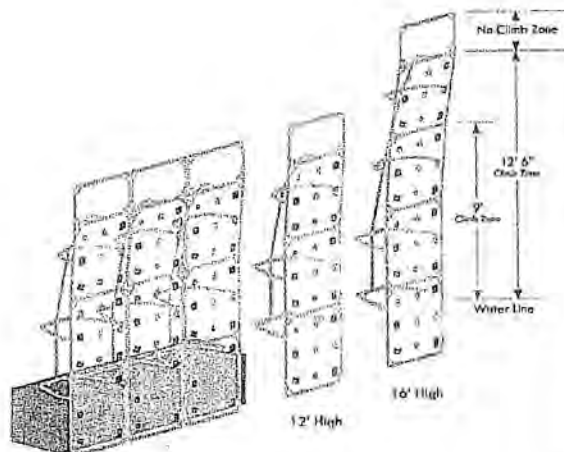
*KERSPLASH™ POOL WALL PACKAGE INCLUDES:

Kersplash™ panels, Stainless Steel Structure, Groperz™ Hand Holds with stainless steel mounting hardware, Kersplash™ Rules & Guidelines Sign and Safety, Care and Maintenance Instructions.

NOTE: A designated "drop zone" is recommended at the base of Kersplash™ to keep swimmers out of this area.

Kersplash™ Pool Climbing Walls are modular and can be made to fit any space and deck configuration. The 4' panels attach to a stainless steel frame allowing you to customize the height and width of the wall to meet your needs. Kersplash™ requires a footprint of:

- 35" of deck space
- 4' of clearance behind the wall for a walkway
- 5' to either side of your wall
- 10' drop zone
- Pool depth determines the height of the wall



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AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Mirror West Stettler Park Phase 1		PLS	\$300,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Steve Wilfort has agreed to designate approximately 23 acres in parklands directly across 70 Street from the West Stettler Park. These lands should be incorporated as an extension West Stettler Park and the Town's pathway system.			
Project Justification The County supports this project as a pathway connection to Carlisle Estates. It is anticipated that they would contribute equipment services as a gift in kind. This project will also compliment the 88 unit assisted living facility to the east, the Meadowlands Sportspark to the south and future residential development to the west.			

Operating Budget Implications In 2010 Council allocated \$150,000 into a reserve to substantially upgrade the cemetery road in co-operation with the County. This project will not happen and this reserve could be re-directed towards this project. The Town also sold two mobile home lots in 2011 (formerly the Kinsmen Tot Lot) and these funds should be used for parklands development.										
Project Options Postpone, leave as natural.										
<table style="width: 100%;"> <tr> <td style="width: 30%;">Proposed Financing:</td> <td style="width: 20%;"> Reserve: General \$30,000 Other Reserve \$150,000 </td> <td style="width: 50%;"></td> </tr> <tr> <td></td> <td> Grant: Debenture: </td> <td></td> </tr> <tr> <td></td> <td> Other: Parks Reserve \$70,000 County GIK \$50,000 </td> <td></td> </tr> </table>		Proposed Financing:	Reserve: General \$30,000 Other Reserve \$150,000			Grant: Debenture:			Other: Parks Reserve \$70,000 County GIK \$50,000	
Proposed Financing:	Reserve: General \$30,000 Other Reserve \$150,000									
	Grant: Debenture:									
	Other: Parks Reserve \$70,000 County GIK \$50,000									

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Cemetery Leveling		PLS	\$10,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Leveling old portions of the cemetery, installing cement curbs and replacing grave stones on cement curbs. 4-6 year project. Need to hire contractor. Two to three sections per year can be done.			
Project Justification Provide a better service specifically in the cemetery, a sensitive area. Increase production on cemetery maintenance, easy to maintain. Visually a better cemetery.			
Operating Budget Implications Complete the project over 4 years. Project based on a 50/50 grant through Alberta Heritage.			
Project Options 			
Proposed Financing: Reserve: General \$10,000 Grant: Debenture: Other:			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Zamboni		PLS	\$125,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replaces existing zamboni.			
Project Justification Current zamboni will be 8 years old/16 rink years. Based on hours it will have an equivalent of 800,000 km Battery operated.			
Operating Budget Implications Savings of \$5,000 for propane.			
Project Options Apply for grant to get majority of unit.			
Proposed Financing: Reserve: General \$125,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pathway System Improvements		PLS	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Continue pathways to connect Cold Lake and connector from 50 Avenue to Emmerson across the railway tracks.			
Project Justification #2 Request from trails open house and objective of Trail Master Plan.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$100,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
SRC Upgrades		PLS	\$250,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement Upgrading X			
Project Description Construction of SRC Renewal, Phase 1 2013-14 completion \$2.3 million. Repair damaged cladding around exterior, correct roof drains on north side of Red Arena, Red rink protective netting, additional mechanical controls for cost savings, dehumidification. Improve stands in the Red Arena. Supply and install "Low Emissivity" ceiling for the two ice rinks.			
Project Justification Necessary maintenance for longevity of building. Improve appearance to keep up with pool addition.			

Operating Budget Implications Town may have option to utilize some provincial MSI funding to eliminate borrowing. Planning and Design in 2016 - 2017	
Project Options	
Proposed Financing: Reserve: Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: Utility Surplus \$250,000 </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sander - 2 Yard		Public Works	\$10,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Feb.	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Purchase a small 2 yard sander that fits on the deck of an existing one ton truck.			
Project Justification Currently public works uses the small sander, which is 15 years old, rusty and is worn out, The small sander is very useful after the main sanding has been completed with the tandem trucks. During snow removal, the sanders are removed from the tandems and public works uses them to haul snow. The small sander is useful for spot sanding and calls that come in.			

Operating Budget Implications Lower costs with tandem rentals when removing and hauling snow, as this small sander can manage light sanding duties.
Project Options Delay to 2016
Proposed Financing: Reserve: General \$10,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Asphalt Planer		Public Works	\$25,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Feb	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a cold mill planer as an attachment for the skid steer. It can mill gravel and asphalt up to 6 inches deep and 24 inches wide.			
Project Justification In 2013, public works purchased an asphalt roller which has been very useful in completing asphalt patching and potholing. The purchase of a planer would allow staff to mill out the potholes prior to paving, which will allow for an even depth of asphalt, resulting in a better product.			

Operating Budget Implications The planer has replacement teeth that will require replacement.
Project Options Delay to 2016
Proposed Financing: Reserve: General \$25,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pavement Patching Program		Trans	\$150,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace miscellaneous sections of failed asphalt to prolong the life of the road surface.			
Project Justification By completing asphalt patching on a regular basis, it helps to ensure the integrity of the road is maintained without having to complete major reconstruction projects.			
Operating Budget Implications Significant savings in pothole repair.			
Project Options None			
Proposed Financing: Reserve: General \$150,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Overlay 48 Ave from Hwy 12 to Hwy 56		Trans	\$80,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement Upgrading X			
Project Description Mill existing asphalt surface, install new 75mm depth asphaltic pavement.			
Project Justification The underground utilities are scheduled to be replaced in 2014. This project will reinstate the existing road surface. The existing curb and gutter and sidewalk will remain. This project will be managed by administration to reduce engineering services.			

Operating Budget Implications Will reduce pothole & crack filling maintenance and extend life of road.			
Project Options Carry over to 2016, if underground utility replacement has been delayed.			
Proposed Financing: Reserve: General \$80,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
One Ton Truck		PW	\$50,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Feb	2015		
Nature of Request: New X Replacement Upgrading			
Project Description Purchase a New One Ton Truck for PW use. PW will then transfer an older One ton truck to the Parks department for summer student use.			
Project Justification Continual replacement of fleet is important to ensure we have safe operating vehicles.			

Operating Budget Implications None
Project Options Delay to 2016.
Proposed Financing: Reserve: General \$50,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sidewalk Replacement Program		Trans	\$130,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - June	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace miscellaneous sections of sidewalk & curb.			
Project Justification Aged & excavated sections of sidewalk & curb. Tripping hazards, Spalling concrete, separation. Installation of para ramps as required.			

Operating Budget Implications Reduced time spent monitoring unsafe sidewalks. Reduced costs for grinding trips. Reduced costs for asphalt patching bad sections.	
Project Options Delay to 2016.	
Proposed Financing: Reserve: General \$55,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: Operating Budget \$75,000 </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Road Reconstruction 63 St from 40-41 Ave		Trans	\$150,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New Replacement Upgrading X			
Project Description Replace concrete sidewalk, curb and gutter, mill existing asphalt surface, pave with 50mm asphaltic concrete. Road construction is on 63 Street between 40 and 41 Avenue.			
Project Justification Road has several severe cracks occuring across entire road width in seven locations. Surface has major cracking. Concrete has longitudinal cracks through the middle of most of the sidewalks. This road receives a high volume of traffic and is due for reconstruction. There are no utilities in the road, there is only a fire hydrant lead behind the existing sidewalk on the west side of the road.			

Operating Budget Implications Eliminates need to crack fill and pothole. Replacing sidewalk removes trip hazards.						
Project Options Delay to 2016.						
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;">Reserve:</td> <td style="width: 33%;">Grant: MSI \$150,000</td> </tr> <tr> <td></td> <td>Debenture:</td> <td>Other:</td> </tr> </table>	Proposed Financing:	Reserve:	Grant: MSI \$150,000		Debenture:	Other:
Proposed Financing:	Reserve:	Grant: MSI \$150,000				
	Debenture:	Other:				

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sweeper		PW	\$260,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a Sweeper for PW to replace the existing unit.			
Project Justification Continual replacement of fleet is important to ensure we have safe operating vehicles. The existing sweeper is over 18 years old.			
Operating Budget Implications None.			
Project Options Delay to 2016.			
Proposed Financing: Reserve: Grant: MSI \$260,000 <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Wilfort's Subdivision Paving - Local Improvement		Trans	\$576,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New X Replacement Upgrading			
Project Description 75mm asphaltic concrete lift on existing gravel industrial road.			
Project Justification Prepare a local improvement for road paving for the second phase of Steve Wilfort's Highway Commercial Development. Industrial standards are to a gravel finish, however, if the adjacent landowners are in favor, the road can be paved as a local improvement.			
Operating Budget Implications Reduced time grading gravel road.			
Project Options Delay to 2016, if Phase 2 of Wilfort's development does not occur in 2015.			
Proposed Financing: Reserve: Grant: Debenture: Other: LI \$576,000			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
3/4 Ton Truck		PW	\$35,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015	2015		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a New 3/4 Ton Truck for PW use. PW will then transfer an older 3/4 ton truck to the Parks department for summer student use.			
Project Justification Continual replacement of fleet is important to ensure we have safe operating vehicles.			

Operating Budget Implications None
Project Options Delay to 2016.
Proposed Financing: Reserve: General \$35,000 Grant: <div style="display: flex; justify-content: space-between;"> Debtenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Backup Power Generator		Fire	\$120,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Jan.	2015 - Jan.		

Nature of Request:	New X	Replacement	Upgrading
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Project Description

Provide backup power for the fire station and water reservoir. Build an addition to the water reservoir pump station to house a used 350 kw generator which is surplus from the water treatment plant up grade.

Project Justification

The water reservoir pump station currently has no backup power to run the electric pumps. A separate fire pump is run by natural gas and is the main source of water supply both for fire fighting and domestic use during a power failure. If the fire pump fails to start up, required fire flow water supply from fire hydrants will not be sufficient. The current plan is to have the transfer site reservoir supply water through the grid (which has backup power) this will only supply minimum fire flow in the western portion of Stettler. The minimum basic fire flow (BFF) not including maximum day demand (MDD) is 3000 IGPM. The electric pumps in the Stettler reservoir have the following discharge capacity: Pump 1 = 300 IGPM, Pump 2 = 716 IGPM, pump 3 = 716 IGPM combined total of 1732. The natural gas fire pump has an output capacity of 1799 IGPM. In order to meet the minimum BFF of 3000 IGPM all pumps would be required to run at the same time and at full capacity there would be a 531 IGPM buffer to manage MDD and friction loss in the grid. During a power failure this is not possible without a backup generator. The transfer site reservoir pumps would be required to maintain the western portion of Stettler, supply water to the Town of Stettler reservoir and the regional water line. The fire hall also has no backup power supply to run the heaters, lights, breathing air compressor, communication equipment (911) all of which are critical to the operation of the fire department. The proposed generator will run from diesel fuel and will have a double wall fuel tank which is also surplus from the water treatment plant upgrade. This fuel source will become a backup source of fuel for fire apparatus during extended power outages. The local fuel stations currently have no backup power plan to provide fuel from their pumps during a power failure.

Operating Budget Implications

Normal equipment maintenance cost.

Project Options

- Approve contribution in full
- Table until future

Proposed Financing: **Reserve:** General \$100,000 **Grant:**

Debenture: **Other:** County \$10,000
TOS Fire Dept. \$10,000

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Miscellaneous Equipment		Fire	\$27,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2015 - Jan	2015		
Nature of Request: New Replacement X Upgrading			
Project Description Replace or up grade small equipment as needed or required. The following is a list of items that need to be replaced or up graded. Fire hose – 38mm, 65mm, 125mm supply line Nozzles – 38mm, 65mm Hand tools – Pike poles, hose straps, hooligan tool, pry axe Quick attack ground monitor Dangerous goods spill kit Decontamination portable shower			
Project Justification The items listed above will require replacement at some time. The portable radios for example were purchased in 2002 they are analog technology and are no longer manufacture replacement parts are not available. The intent is to have the ability to replace the equipment as required. Fire equipment supply companies quite often have sales during the fire chief's convention or at various times throughout the year. I would like to encourage council to consider allowing the fire department the ability to purchase the above small equipment as required at the appropriate time in an effort to reduce expenses.			
Operating Budget Implications None.			
Project Options Reduce or delay replacement items, the list is a generalization of small equipment items that require replacement however the timing can be flexible.			
Proposed Financing: Reserve: General \$27,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sanitary Main Replace - 57A St. from 46-47 Ave.		Sewer	\$330,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Replace sanitary main and services from 46 – 47 Avenue in back alley west of 57A Street.			
Project Justification Sanitary Main is deteriorated and is starting to experience blockages. Several sags have occurred in the main. The services to property line also need to be replaced. Water main was previously replaced in this lane. Renewal of underground infrastructure reduces the liability associated with back-ups into homes.			

Operating Budget Implications Reduces the probability of blockages with PVC pipe.	
Project Options Delay to 2017	
Proposed Financing: Reserve:	Grant: MSI \$330,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sanitary Master Plan		Sewer	\$90,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Hire Associated Engineering to complete a sanitary sewer master plan for the entire town and newly annexed lands.			
Project Justification The Town has been budgeting to complete overall Water and Storm Water Master Plans to guide budgeting and planning decisions for repairs, replacements and upsizing pipes. The Town does not currently have a Sanitary Master Plan, only a Future Growth Assessment Report on the existing Sanitary Sewer Collection System. The existing report was a good base to determine the offsite levy rate and the impact that development on the borders of the Town will have on the current system. The difference in the new master plan is it includes flow monitoring and video inspections of sanitary mains that are flagged as a concern. We currently do not have a regular video inspection plan in place and have no real data on the existing conditions of the sanitary system.			

Operating Budget Implications None.
Project Options In 2013 administration applied for grant funding in coordination with the County of Stettler for a Master Servicing Study. If no funds are obtained through this process, delay and complete in 2017.
Proposed Financing: Reserve: General \$90,000 Grant: Debenture: Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Install - 46 St. from Hwy 56 to 51A Ave.		Water	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New X Replacement Upgrading			
Project Description Install a water main connection from 51A Ave on 46 Street, south to the intersection of Highway 56 and 46 Street.			
Project Justification Development in the Industrial area north of the railtracks has ended up with poor circulation. By installing a second loop to feed this area, the Town will ensure a stable water supply is available. Work will be completed by directional bore as much as possible.			

Operating Budget Implications Reduced costs associated with flushing required to maintain chloramine levels in the water.	
Project Options Delay to 2017	
Proposed Financing: Reserve:	Grant: MSI \$100,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Replace - Hwy 56 from 49-53 St.		Water	\$325,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Replace the existing cast iron and asbestos cement water main. Replace the existing water services to property line. Install two new fire hydrants on the north side of Highway 56.			
Project Justification Road improvements are expected to Highway 56. Replacing the existing cast iron and AC watermain will ensure the integrity of the road is maintained. Reduces the risk of watermain breaks as cast iron main deteriorates.			
Operating Budget Implications Reduced costs associated with repairs for water main breaks.			
Project Options Delay to 2017			
Proposed Financing: Reserve: Grant: MSI \$325,000 Debenture: Other:			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Watermain Looping - 51 Avenue		Water	\$80,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		

Nature of Request: **New** ☒ **Replacement** **Upgrading**

Project Description

Loop the water main between the future 74 Street (at Steve Wilfort's Phase 2 limits) and extend the water to Future Ag, loop the waterline to the existing hydrant on Future Ag's parcel and extend a hydrant up to 7201 50 Ave.

Project Justification

The Fire Chief has recommended looping and installing a fire hydrant to provide fire protection to the existing business' on 50 Avenue. Fire protection to STRAD is inadequate.

Operating Budget Implications

None

Project Options

If Phase 2 of Westgate Business Park does not proceed, delay until 2017.

Proposed Financing: **Reserve:** **Grant:** MSI \$80,000

Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Clearwell Inlet Ammonia/Monochloramine Analyzer		WTP	\$30,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New X Replacement Upgrading			
Project Description Scope will include supply and install of a sample pump, sample line, analyzer, and programming. The analyzer will provide continuous online analysis for chloramination, free ammonia, total ammonia, and monochloramine parameters.			
Project Justification Currently the measurements for free ammonia, total ammonia, and monochloramines analysis are done daily in the plant lab. This type of measurement is completed by a grab sample. Fine tuning of the process is challenging due to chloramines, free ammonia, total ammonia, and monochloramine parameters continuously changing. Continuous online monitoring will enhance chemical addition. Many water utilities have switched from traditional chlorination to chloramination in order to lower the risk of disinfection by-products (DBP's) and provide long-lasting residual disinfection with monochloramine. The Ammonia/Monochloramine Analyzer system monitors all critical chloramination parameters, free ammonia, total ammonia, and monochloramine - and enables you to maintain continuous control of the Chloramination system.			

Operating Budget Implications Fine tuning of the process is currently done after the operators have completed daily laboratory tests. After the manual test, adjustments to the chemicals are done. With the ability to monitor online, fine tuning of chemicals will improve water quality and assist in costs savings.	
Project Options None.	
Proposed Financing: Reserve:	Grant:
Debenture:	Other: Utility Surplus \$30,000

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Clearwell Inlet Chlorine Analyzer		WTP	\$15,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Scope will include supply, install, start-up, testing, commissioning, training, and documentation of an analyzer. The analyzer will provide continuous online analysis for free chlorine.			
Project Justification Currently the online measurement for free chlorine is accomplished with a Depolox Meter. Maintenance is challenging and parts for the Depolox are long delivery items. HACH part availability is local and delivery is prompt. Remaining analyzers within the facility are HACH Analyzers.			

Operating Budget Implications Analyzer maintenance and part inventory will be straightforward due to having other HACH Chlorine Analyzers in the facility.	
Project Options None.	
Proposed Financing: Reserve: Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: Utility Surplus \$15,000 </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Site Security/Fire Protection		WTP	\$95,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement Upgrading X			
Project Description <u>Phase 1</u> Complete conceptual and scope. This will allow us to provide a detailed evaluation and implementation of the required upgrades of security and fire protection systems. The security system will include an automatic entrance gate (memory chip, swipe card, and cell phone), lighting, cameras, SCADA monitoring, and alarms. The fire protection system will be upgraded to provide zone activity, audible, and visual alarms. This project will provide staff with a secure and safe site. Due to location of the WTP, security and fire protection are a necessity. <u>Phase 2</u> Management of the contract will be done internally. This will include and not limited to documents, construction & installation, testing, commissioning, documentation, and training. Provide technical knowledge required for operation and maintenance of all security and fire protection systems and equipment for all staff.			
Project Justification <u>Fire Protection</u> The existing fire protection system includes smoke sensors and a common panel. Sensors are located in the Raw Water Pumphouse and selected areas in the WTP. When a sensor is activated, it sends an alarm signal to a common panel located in the WTP. The panel relays the alarm information to the SCADA system. The SCADA system initiates an alarm and notifies staff. The activated alarm is a common alarm and does not identify what location the fire is. In 2012, a test on all smoke sensors was conducted to verify performance. During the test, we noticed that there were areas in the facility that visual and audible could not be verified. Hearing protection is also worn in high noise areas, which make audible alarms impossible to hear. The facility has areas that hearing protection is required. When hearing protection is worn, the audible alarm is not heard. <u>Site Security</u> Plant staff are onsite 7 days a week between the hours of 8 am and 3 pm. During this time, the entrance gate is left open. When staff are required to go onsite after hours, there is no lighting at the front entrance. Currently, the facilities are left unattended approximately 70% of the time. These two projects will be integrated due to the capability of having Fire Protection and Site Security alarming combined into a single security management system.			

Operating Budget Implications

The site security upgrades will provide staff with a secure environment when arriving or leaving the facility and provide continuous monitoring. Upgrades to the fire protection will provide staff with a facility that can provide safety and self-confidence. The visual or audible alarms will be heard or seen in any area of the facility.

Project Options

None.

Proposed Financing:	Reserve:	General \$95,000	Grant:
	Debenture:		Other:



Photo in early morning entering front gate



Photo in early morning exiting front gate



Lock on Main gate



Entrance gate during the day

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Storm Main Upgrade on 43 Ave from 63-65 St.		Drainage	\$350,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement Upgrading X			
Project Description Increase the capacity of the existing 1050mm storm on 43 Avenue between 63-65 Street.			
Project Justification The storm main on 43 Avenue collects a large amount of water from Grandview and Meadowlands. The storm main downstream from this pipe was upsized in 2013. This storm main was identified as a needed upsizing in the Storm Water Master Plan, to help reduce the amount of surcharging upstream.			

Operating Budget Implications Reduced flooding occurrences. Reduced liability with homeowner flooding, reduced damage to asphalt surface with the elimination of storm water sitting at the curb and gutter.	
Project Options Delay to 2017	
Proposed Financing: Reserve:	Grant: MSI \$350,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Downtown Parking Lot Design & Construction		Planning	\$250,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> X Replacement Upgrading			
Project Description Design: To prepare engineered drawings and tender documents for the Downtown Parking Lot (the old Hub) of the streetscape project. Construction: Upgrade parking facility in downtown core in accordance with Streetscape program designs.			
Project Justification To create a properly functioning parking facility at the old "Hub property" and making the connection from the parking lot with the rail design to downtown.			

Operating Budget Implications			
Project Options Delay the project.			
<table style="width: 100%;"> <tr> <td style="width: 33%;">Proposed Financing:</td> <td style="width: 33%;"> Reserve: Debenture: </td> <td style="width: 33%;"> Grant: MSI \$250,000 Other: </td> </tr> </table>	Proposed Financing:	Reserve: Debenture:	Grant: MSI \$250,000 Other:
Proposed Financing:	Reserve: Debenture:	Grant: MSI \$250,000 Other:	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Computer Replacement Plan		Administration	\$14,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase seven computers for regular workstation upgrading.			
Project Justification The seven new computers will replace older computers.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: Computer Capital \$14,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Arts & Culture Allocation		PLS	\$15,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement Upgrading			
Project Description Annual allocation/commitment by Council to support Arts & Culture projects and/or facility upgrades.			
Project Justification			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$15,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Mule		PLS	\$22,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Replacement of mule utility vehicle.			
Project Justification Lifecycle.			

Operating Budget Implications
Project Options None.
Proposed Financing: Reserve: General \$22,000 Grant: Debenture: Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Mower - 14'		PLS	\$120,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Required parks mower will be reaching high hours and will need replacing.			
Project Justification			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$120,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pathway System Improvements		PLS	\$100,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Continue pathways to connect Cold Lake and connector from 50 Avenue to Emmerson across the railway tracks.			
Project Justification #2 Request from trails open house and objective of Trail Master Plan.			

Operating Budget Implications
Project Options
Proposed Financing: Reserve: General \$100,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
SRC Upgrades		PLS	\$250,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement Upgrading X			
Project Description Construction of SRC Renewal, Phase 1 2013-14 completion \$2.3 million. Repair damaged cladding around exterior, correct roof drains on north side of Red Arena, Red rink protective netting, additional mechanical controls for cost savings, dehumidification. Improve stands in the Red Arena. Supply and install "Low Emissivity" ceiling for the two ice rinks.			
Project Justification Necessary maintenance for longevity of building. Improve appearance to keep up with pool addition.			

Operating Budget Implications Town may have option to utilize some provincial MSI funding to eliminate borrowing. Planning and Design in 2016 - 2017	
Project Options	
Proposed Financing: Reserve:	Grant:
Debenture:	Other: Utility Surplus \$250,000

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Multi-Use Truck		Public Works	\$180,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a new multi-use single axle vehicle.			
Project Justification The single axle vehicle can be custom made to hold a 5 cu.m. water tank for flushing sewers, it can have sides attached for transporting material, such as cattails, and the sander can also be mounted on the back.			

Operating Budget Implications Frees up a tandem unit, as the tandem unit gets the water tank installed in the box for flushing. Reduces the need to hire an additional tandem during high work loads.	
Project Options Delay to 2017	
Proposed Financing: Reserve:	Grant: MSI \$180,000
Debenture:	Other:

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Backhoe Replacement		Public Works	\$200,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Purchase a new rubber tired trackhoe to replace unit #54.			
Project Justification The backhoe is a 1995 unit. Continual replacement of fleet is vital to ensure breakdowns do not impede daily work. The backhoe purchase will include several attachments including a vibratory packer and excavator thumbs.			

Operating Budget Implications Reduced operating costs to repair aging model.	
Project Options Delay to 2017	
Proposed Financing: Reserve: General \$200,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Portable Concrete Mixer		Public Works	\$20,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Upgrading <input type="checkbox"/>			
Project Description Purchase a new portable concrete mixer.			
Project Justification Having the Town's own portable concrete mixer will reduce costs associated with concrete purchases for the purpose of thrust blocks for valves, fittings, fire hydrants, connections to manholes, etc. When concrete is needed, an order is placed to a supplier in Town. However there is a minimum order size required which is costly and we end up with too much concrete and have to waste it.			

Operating Budget Implications Reduced costs as only the amount needed would be mixed on site. Less waste.
Project Options Delay to 2017
Proposed Financing: Reserve: General \$20,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Pavement Patching Program		Trans	\$150,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Replace miscellaneous sections of failed asphalt to prolong the life of the road surface.			
Project Justification By completing asphalt patching on a regular basis, it helps to ensure the integrity of the road is maintained without having to complete major reconstruction projects.			
Operating Budget Implications Significant savings in pothole repair.			
Project Options None			
Proposed Financing: Reserve: General \$150,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Sidewalk Replacement Program		Trans	\$130,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		
Nature of Request: New Replacement X Upgrading			
Project Description Replace miscellaneous sections of sidewalk & curb.			
Project Justification Aged & excavated sections of sidewalk & curb. Tripping hazards, Spalling concrete, separation. Installation of para ramps as required.			

Operating Budget Implications Reduced time spent monitoring unsafe sidewalks. Reduced costs for grinding trips. Reduced costs for asphalt patching bad sections.	
Project Options Delay to 2017	
Proposed Financing: Reserve: General \$55,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: Operating Budget \$75,000 </div>	

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Road Reconstruction 51 Ave from 57-61 St.		Trans	\$1,487,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016	2016		

Nature of Request: **New** **Replacement** **Upgrading X**

Project Description

Reconstruct 51 Avenue from 57-61 Street, includes removing existing soil cement base, installing new base and sub base, replacing curb and gutter and sidewalk, install 75mm asphalt.

Project Justification

Aged asphalt and curb & gutter. Underground utilities scheduled to be replaced in 2015.

Operating Budget Implications

Will reduce pothole & crack filling maintenance and extend life of road.

Project Options

Carry over to 2017, if underground utility replacement has been delayed.

Proposed Financing: **Reserve:** **Grant:** MSI \$1,142,120 BMTG \$344,880
 Debenture: **Other:**

AUTHORIZATION FOR CAPITAL EXPENDITURE - PART 1

Identification of Project/Project Name		Department	Project Budget Amount
Miscellaneous Equipment		Fire	\$27,000
Estimated Start Date	Estimated Completion Date	Total Projects This Year	Dept. Head Ranking of this Project
2016 - Jan	2016 - Jan		
Nature of Request: New Replacement X Upgrading			
Project Description Replace or up grade small equipment as needed or required. The following is a list of items that need to be replaced or up graded. Fire hose – 38mm, 65mm, 125mm supply line Nozzles – 38mm, 65mm Hand tools – Pike poles, hose straps, hooligan tool, pry axe Quick attack ground monitor Dangerous goods spill kit Decontamination portable shower			
Project Justification The items listed above will require replacement at some time. The portable radios for example were purchased in 2002 they are analog technology and are no longer manufacture replacement parts are not available. The intent is to have the ability to replace the equipment as required. Fire equipment supply companies quite often have sales during the fire chief's convention or at various times throughout the year. I would like to encourage council to consider allowing the fire department the ability to purchase the above small equipment as required at the appropriate time in an effort to reduce expenses.			
Operating Budget Implications None.			
Project Options Reduce or delay replacement items, the list is a generalization of small equipment items that require replacement however the timing can be flexible.			
Proposed Financing: Reserve: General \$27,000 Grant: <div style="display: flex; justify-content: space-between;"> Debenture: Other: </div>			