



## 2015 - 2024 CAPITAL IMPROVEMENT PLAN

### Capital Summary New & Replacement Vehicles

(Current Year Capital Summary and Carry Forwards in thousands of dollars)

#### CORPORATE ASSET MANAGEMENT - FLEET SERVICES

PAGE	PROJECT DESCRIPTION	BUDGET REQUEST		BUDGET FORECAST							10 YEAR TOTAL	
		2015	2016	2017	2018	2019	2020	2021	2022	2023		2024
14	Building Services	\$ -	\$ -	\$ 300	\$ 175	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575
15	Culture - Museum & Art Gallery	-	-	45	-	-	-	-	-	-	-	45
16	Electric Distribution	485	365	483	-	380	-	395	679	402	1,128	4,317
17	Electric Generation	-	-	340	30	-	40	105	-	-	-	515
9,18	EU - Sewer	120	630	1,510	1,500	855	974	970	527	545	535	8,166
10,20	EU - Solid Waste Utility	1,910	1,620	620	4,235	940	1,740	2,395	2,220	1,865	995	18,540
22	EU - Waste Water Treatment Plant	130	100	-	-	50	70	-	150	150	15	665
8,23	EU - Water Field Ops	860	610	1,100	305	860	270	775	460	400	525	6,165
7,24	EU - Water Production	150	100	110	-	-	-	110	63	-	-	533
25	Finance	120	-	-	-	-	45	-	120	-	-	-
4,26	Fire	785	695	400	110	925	45	1,480	360	-	800	5,600
3,27	Fleet Services	160	120	-	-	-	-	-	100	55	220	655
12,28	Gas Distribution	303	130	191	234	410	139	492	600	783	329	3,611
29	Gas- NGPR	885	504	546	312	562	883	468	486	783	329	5,758
31	Land and Properties	-	-	-	-	-	-	-	-	-	-	-
7,32	Municipal Works	1,510	1,805	2,015	1,410	1,025	1,290	1,600	1,375	1,025	920	13,975
6,24	Parks and Recreation	322	834	1,315	1,010	930	815	700	175	330	145	6,576
36	Planning, Building & Development	-	-	26	60	160	101	35	-	-	-	382
11,37	Police	695	295	480	520	485	340	390	420	460	125	4,210
38	Transit	1,112	325	2,925	2,275	2,005	3,385	1,196	282	634	1,736	15,875
<b>DEPARTMENTAL TOTAL</b>		<b>\$ 9,547</b>	<b>\$ 8,133</b>	<b>\$ 12,406</b>	<b>\$ 12,176</b>	<b>\$ 9,687</b>	<b>\$ 10,137</b>	<b>\$ 11,111</b>	<b>\$ 8,017</b>	<b>\$ 7,432</b>	<b>\$ 7,802</b>	<b>\$ 96,163</b>

#### FINANCING SUMMARY

GG)	Government Grants	\$ 834	\$ 244	\$ 2,194	\$ 1,706	\$ 1,504	\$ 2,539	\$ 897	\$ 212	\$ 476	\$ 1,302	#REF!
RES)	Equipment Reserves	6,201	6,224	8,208	6,891	6,591	5,023	7,851	5,255	3,430	3,170	58,844
EXT)	Other External Sources (Third Party / Trade-in)	704	981	795	988	1,057	1,190	1,453	2,550	3,467	2,990	16,175
	O&CBF (Financing)	1,808	685	1,210	2,590	535	1,385	910	-	60	340	9,523
<b>FINANCING TOTAL</b>		<b>\$ 9,547</b>	<b>\$ 8,133</b>	<b>\$ 12,406</b>	<b>\$ 12,176</b>	<b>\$ 9,687</b>	<b>\$ 10,137</b>	<b>\$ 11,111</b>	<b>\$ 8,017</b>	<b>\$ 7,432</b>	<b>\$ 7,802</b>	<b>#REF!</b>

#### EFFECT ON FUTURE OPERATIONS (CHANGE FROM BASE YEAR 2014)

Other: Fleet Lease Net Increase	\$ 349	\$ 997	\$ 1,584	\$ 2,234	\$ 2,783	\$ 3,477	\$ 3,424	\$ 3,787	\$ 4,041	\$ 4,311	\$ -
<b>TOTAL NET OPERATING EFFECT:</b>	<b>\$ 349</b>	<b>\$ 997</b>	<b>\$ 1,584</b>	<b>\$ 2,234</b>	<b>\$ 2,783</b>	<b>\$ 3,477</b>	<b>\$ 3,424</b>	<b>\$ 3,787</b>	<b>\$ 4,041</b>	<b>\$ 4,311</b>	<b>\$ 26,987</b>
FTEs											



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Summary**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**FLEET SERVICES**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Page	Project Description	BUDGET REQUEST		BUDGET FORECAST								10 YEAR TOTAL	
		2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST		
3	Fleet Services	\$ 120	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240
4	Fire Services	-	-	-	-	-	-	800	-	-	-	-	800
5	Parks and Recreation	-	75	-	-	-	-	-	-	-	-	-	75
6	Municipal Works	400	-	430	-	-	-	-	-	-	-	-	830
7	Environmental Utilities - Water Production	-	100	-	-	-	-	110	-	-	-	-	210
8	Environmental Utilities - Field Ops Water	580	215	-	-	-	-	-	-	-	-	-	795
9	Environmental Utilities - Sewer	-	175	220	-	-	-	-	-	-	-	-	395
10	Environmental Utilities - Solid Waste	325	-	500	2,590	535	1,325	-	-	-	-	340	5,615
11	Police	275	-	60	-	-	60	-	-	-	60	-	455
12	Gas Distribution	108	-	-	-	-	-	-	-	-	-	-	108
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>		<b>\$ 1,808</b>	<b>\$ 685</b>	<b>\$ 1,210</b>	<b>\$ 2,590</b>	<b>\$ 535</b>	<b>\$ 1,385</b>	<b>\$ 910</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ 340</b>	<b>\$ 9,523</b>	
<b>FUTURE LEASE COSTS</b>													
Future Lease Costs on New Vehicles / Units		\$ 114	\$ 277	\$ 420	\$ 718	\$ 965	\$ 1,121	\$ 1,236	\$ 1,268	\$ 1,310	\$ 1,355		
<b>TOTAL LEASE COSTS</b>		<b>\$ 114</b>	<b>\$ 277</b>	<b>\$ 420</b>	<b>\$ 718</b>	<b>\$ 965</b>	<b>\$ 1,121</b>	<b>\$ 1,236</b>	<b>\$ 1,268</b>	<b>\$ 1,310</b>	<b>\$ 1,355</b>		
<b>FINANCING:</b>													
O&CBF (Financing)		\$ 1,808	\$ 685	\$ 1,210	\$ 2,590	\$ 535	\$ 1,385	\$ 910	\$ -	\$ 60	\$ 340		
<b>TOTAL FINANCING:</b>		<b>\$ 1,808</b>	<b>\$ 685</b>	<b>\$ 1,210</b>	<b>\$ 2,590</b>	<b>\$ 535</b>	<b>\$ 1,385</b>	<b>\$ 910</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ 340</b>		



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**CORPORATE ASSET MANAGEMENT - FLEET SERVICES**

EXPECTED ARRIVAL DATE:

July 1 of 2015 and 2016

PROJECT MANAGER:

Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
9031	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7
9032	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7
9033	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7
9034	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7
9035	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7
9036	4X4 3/4 TON EXT CAB RENTAL UNIT	\$40	7

**JUSTIFICATION:**

9211 - Service Truck. Required by Automotive and Heavy Duty mechanics to conduct service repairs on call and as needed by customer departments.

9710 - Workshop Sweeper. Last year Fleet Services sweeper became out of service and beyond a reasonable repair cost after being in service for over 15 years. A new sweeper will be required to clean Heavy and Automotive bays on a daily basis.

9039 - Heavy Duty Forklift. Fleet Stores requires a heavy duty forklift capable of transporting goods and parts from the warehouse to maintenance bays and the Fleet Stores Receivable area. The current forklift has been in service for 27 years and maintenance expenses are beyond the cost effective point.

9028 - Fleet Services General Duties Vehicle. Will be used for rental purposes and to accommodate a variety of Fleet tasks when needed (i.e. deliveries, pickups, etc)

9031-9036 - New Light Duty Trucks. will be required by Fleet to provide them as reliable rental units in order to meet corporate departments needs when vehicles break downs occur and a loaner vehicle is required. Currently Fleet does not have a dedicated pool of vehicles that could be considered trustworthy. Historically Fleet's rental units have been 2nd or 3rd life cycle vehicles that are due for acution rather than to be used as rental units.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>NEW VEHICLE / UNIT COSTS:</b>										
2015 - 2016 New Vehicles	\$ 120	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 120	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**FIRE SERVICES**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

**JUSTIFICATION:**

Forecasting New Fire Engine (\$680K) and Brush 4X4 with service body (\$120) will be needed around 2021 to go with new fire station

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>NEW VEHICLE / UNIT COSTS:</b>										
2015 - 2016 New Vehicles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	-	-	-	-	800	-	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32	\$ 65	\$ 65
<b>TOTAL LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32</b>	<b>\$ 65</b>	<b>\$ 65</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**PARKS AND RECREATION**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2016 Skyjack SJIII 5632	\$25	10
NEW	2016 Bandit 990 XP tree chipper	\$50	10

**JUSTIFICATION:**

With the construction of expanded Family Leisure Centre, a skyjack is needed to safely and efficiently change lighting, clean ducts, hang banners, emergent repairs, etc. The risk of not getting one is that many issues would have to wait until there was sufficient justification to rent a unit.

New chipper creates 2 complete working crews with no wasted time for landfill trips. All chips can be dumped at end of work days when necessary. The addition of to work in conjunction with either crew with no wasted time. Having chippers located in different parts of the city will eliminate the need for any crew to require midday landfill trips (barring a large project that may fill up a chip box). No need to stack branches in the back of a truck. It is much safer to chip than climb and stack

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>NEW VEHICLE / UNIT COSTS:</b>										
2015 - 2016 New Vehicles	\$ -	\$ 75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ 75</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ -	\$ 4	\$ 9	\$ 9	\$ 9	\$ 9	\$ 9	\$ 9	\$ 9	\$ 9
<b>TOTAL LEASE COSTS</b>	<b>\$ -</b>	<b>\$ 4</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>	<b>\$ 9</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ -	\$ 75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ 75</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**MUNICIPAL WORKS**

EXPECTED ARRIVAL DATE:

July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2015 Asphalt Combo Roller	\$350	10
NEW	2015 1/2 ton 4 ext cab	\$50	5

**JUSTIFICATION:**

Units are required to maintain existing levels of service on an increased amount of infrastructure managed by Municipal Works. Asphalt Combo Roller - A new asphalt combination roller that is versatile and fitted to Municipal Works paving operations is required. 1/2 Ton 4x4 Truck- The truck is required to facilitate Municipal Works right of way management through compliance / restoration inspections, SUV - Replace an existing rental unit used by Municipal Work Engineering for construction and project management, 4x4 Tractor (Sidewalk Machine) Required to maintain the level of service (snow and ice control, roadside mowing, etc) on an increased amount of infrastructure managed by Municipal Works, 2017 SUV - Replace existing rental units used by Municipal Work Engineering for construction and project management, Rubber Tire Excavator, mobile mid-sized excavator used for various roadway and storm water activities.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
NEW VEHICLE / UNIT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 New Vehicles	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	430	-	-	-	-	-	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 400</b>	<b>\$ -</b>	<b>\$ 430</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 25	\$ 51	\$ 79	\$ 107	\$ 107	\$ 107	\$ 107	\$ 107	\$ 107	\$ 107
<b>TOTAL LEASE COSTS</b>	<b>\$ 25</b>	<b>\$ 51</b>	<b>\$ 79</b>	<b>\$ 107</b>	<b>\$ 107</b>	<b>\$ 107</b>	<b>\$ 107</b>	<b>\$ 107</b>	<b>\$ 107</b>	<b>\$ 107</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 400	\$ -	\$ 430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 400</b>	<b>\$ -</b>	<b>\$ 430</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - WATER PRODUCTION**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	F350 4X4 ext cab with service body	\$100	5

**JUSTIFICATION:**

This vehicle will be required to complete enhanced maintenance services within EU infrastructure on critical electrical, instrumentation, and communication equipment. A vehicle is currently being provided through short term lease (9251). This request is for a permanent vehicle allocation to maintain critical operational and maintenance service levels. A F350 4x4 complete with service body is being requested to optimize efficiency of current services. This vehicle is anticipated to be a moderate mileage vehicle thus a 5 year replacement frequency is being requested. Cameras will be fitted on all service bodies and large vehicles as a safety feature as part of our Commercial Vehicle Safety Program. CNG is not an option due to vehicle storage and cold weather essential usage. A full communications package will be required on this vehicle.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
NEW VEHICLE / UNIT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 New Vehicles	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	-	-	-	-	110	-	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ -	\$ 11	\$ 21	\$ 21	\$ 21	\$ 21	\$ 23	\$ 23	\$ 23	\$ 23
<b>TOTAL LEASE COSTS</b>	<b>\$ -</b>	<b>\$ 11</b>	<b>\$ 21</b>	<b>\$ 21</b>	<b>\$ 21</b>	<b>\$ 21</b>	<b>\$ 23</b>	<b>\$ 23</b>	<b>\$ 23</b>	<b>\$ 23</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ 110	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - FIELD OPERATIONS (WATER)**

EXPECTED ARRIVAL DATE:

July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2015 Tool Cat w/ acc & trailer	\$80	7
NEW	2015 Tri-axle hydro-vac truck	\$500	7
NEW	2016 15ft flat deck dual axle trailer (bobcat)	\$15	7
NEW	2016 Bobcat Rubber track mini-hoe	\$80	7
NEW	2016 16 wheel 50 ton lowboy trailer	\$120	7

**JUSTIFICATION:**

Tool cat will be used to plow snow and mow grass at reservoirs and lift stations. Hydro-vac will be used to allow Construction Crew to operate two worksites at once. Bobcat Rubber track mini-hoe and trailer are for operating in areas and terrain not conducive for large vehicle. 16 Wheel lowboy trailer will be used to transport current excavator as well as transporting generator buildings in times of heavy flood waters requiring their removal. CNG not an option due to vehicle storage and cold weather essential usage for Field Operations vehicles.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>NEW VEHICLE / UNIT COSTS:</b>										
2015 - 2016 New Vehicles	\$ 580	\$ 215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 580</b>	<b>\$ 215</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 45	\$ 106	\$ 122	\$ 122	\$ 122	\$ 122	\$ 122	\$ 122	\$ 122	\$ 122
<b>TOTAL LEASE COSTS</b>	<b>\$ 45</b>	<b>\$ 106</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>	<b>\$ 122</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 580	\$ 215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 580</b>	<b>\$ 215</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>





**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SEWER**

EXPECTED ARRIVAL DATE:

July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2016 1 ton extended cac w/service box	\$95	5
NEW	2016 Bay-Lynx Ultralite Stoneslinger	\$80	7

**JUSTIFICATION:**

Safety Vehicle for NEW Hydrovac truck on 2015 budget. This vehicle will carry all safety equipment and tools required to operate and maintain the hydrovac. Has lights, communications (includes computer stand, two way radio, blue tooth), and camera.CNG not an option due to vehicle storage and cold weather essential usage. 2016 Bay-Lynx Ultralite Stone Slinger or similar model slinger mounted on a tandem 7500 6x4 tandem axle truck. ---This chassis could be the old Unit 504 dump truck chassis that is being newly tendered in 2016.

This unit will be used to fill hydro-vac holes for service box replacements and where the trench box is used instead of needing the excavator and a tandem dump truck to backfill the holes. The fill material is fed onto a 8 - 9 yard long conveyor belt that delivers the product into the hole. This will eliminate the need to get too close to the hole to be filled and then damage the existing grass etc when backing up to the holes.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
NEW VEHICLE / UNIT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 New Vehicles	\$ -	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	220	-	-	-	-	-	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ 175</b>	<b>\$ 220</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ -	\$ 16	\$ 54	\$ 77	\$ 77	\$ 77	\$ 77	\$ 77	\$ 77	\$ 77
<b>TOTAL LEASE COSTS</b>	<b>\$ -</b>	<b>\$ 16</b>	<b>\$ 54</b>	<b>\$ 77</b>	<b>\$ 77</b>	<b>\$ 77</b>	<b>\$ 77</b>	<b>\$ 77</b>	<b>\$ 77</b>	<b>\$ 77</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ -	\$ 175	\$ 220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ 175</b>	<b>\$ 220</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SOLID WASTE**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2015 Conpost Mixer Material Handler	\$325	7

**JUSTIFICATION:**

2015 Compost Mixer - Since Biosolid composting started in 2001, the mixing and movement of blended compost feedstock has been done with front end loaders. Excessive travel by the loader ruts the clay surface of the compost pad causes various operational concerns. Based on results from Los Angeles County Waste Management Facility and Edmonton's Cloverbar Waste Management Facility, the proposed type of equipment will improve the mixing of the compost materials and will stream line the amount of labor and equipment needed to perform this activity. The final configuration as to whether the unit will be self-propelled or a trailer, a trailer with free axles or hydraulic driven wheels, pulled by a dedicated tractor or by a landfill loader, off-loads by a tilt box or broadcaster are yet to be determined.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>NEW VEHICLE / UNIT COSTS:</b>										
2015 - 2016 New Vehicles	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	500	2,590	535	1,325	-	-	-	340
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 325</b>	<b>\$ -</b>	<b>\$ 500</b>	<b>\$ 2,590</b>	<b>\$ 535</b>	<b>\$ 1,325</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 340</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 25	\$ 51	\$ 89	\$ 327	\$ 574	\$ 721	\$ 826	\$ 826	\$ 826	\$ 853
<b>TOTAL LEASE COSTS</b>	<b>\$ 25</b>	<b>\$ 51</b>	<b>\$ 89</b>	<b>\$ 327</b>	<b>\$ 574</b>	<b>\$ 721</b>	<b>\$ 826</b>	<b>\$ 826</b>	<b>\$ 826</b>	<b>\$ 853</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 325	\$ -	\$ 500	\$ 2,590	\$ 535	\$ 1,325	\$ -	\$ -	\$ -	\$ 340
<b>TOTAL FINANCING:</b>	<b>\$ 325</b>	<b>\$ -</b>	<b>\$ 500</b>	<b>\$ 2,590</b>	<b>\$ 535</b>	<b>\$ 1,325</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 340</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**MEDICINE HAT POLICE SERVICES**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	Armoured vehicle	\$275	20

**JUSTIFICATION:**

Patrol Unit Increases are expected to coincide with increase in manpower within the Medicine Hat Police Service. Forecasted vehicle increases in the Fleet Size of the Patrol Section would therefore be required. Due to escalating calls for service related to violent crime, and specifically armed subjects, the Police Service is seeking authorization to purchase an Armoured Rescue Vehicle to greatly enhance community and officer safety. The vehicle has a 20 year life expectancy and is estimated to cost \$275,000. Four options were considered ranging in price from \$260,000 to \$300,000. The model chosen has level IV ballistics protection, which prevents against high powered rifle rounds, which has been the weapon MHPS members were confronted with in recent officer related shootings.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
NEW VEHICLE / UNIT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 New Vehicles	\$ 275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	60	-	-	60	-	-	60	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 275</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 11	\$ 22	\$ 30	\$ 39	\$ 39	\$ 48	\$ 56	\$ 56	\$ 65	\$ 83
<b>TOTAL LEASE COSTS</b>	<b>\$ 11</b>	<b>\$ 22</b>	<b>\$ 30</b>	<b>\$ 39</b>	<b>\$ 39</b>	<b>\$ 48</b>	<b>\$ 56</b>	<b>\$ 56</b>	<b>\$ 65</b>	<b>\$ 83</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 275	\$ -	\$ 60	\$ -	\$ -	\$ 60	\$ -	\$ -	\$ 60	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 275</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**

*In thousands of dollars*

**GAS DISTRIBUTION**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

New Unit #	Description	Cost	Life (Yr)
NEW	2015 3/4 TON QUAD CAB	\$68	7
NEW	2015 Small SUV 4X4	\$40	8

**JUSTIFICATION:**

Vehicles required in 2015 to accomodate growth and succession planning for the Gas Distribution Department with two new staff additions in the Customer Services area and also an Environmental Health and Safety Specialist.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
NEW VEHICLE / UNIT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 New Vehicles	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 108</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 8	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16
<b>TOTAL LEASE COSTS</b>	<b>\$ 8</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>
<b>FINANCING:</b>										
O&CBF (Financing)	\$ 108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 108</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Replacement Vehicle & Equipment Summary**  
*In thousands of dollars*

**CORPORATE ASSET MANAGEMENT - FLEET SERVICES**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Quantity	Description	2015	2016
2	Fire Engine	650	650
22	1/2 ton trucks and SUV's	940	350
50	3/4 ton, 1 ton & vans	1,695	1,254
7	Cars	130	170
11	Trucks and attachments	705	1,400
37	Specialized Equipment	2,507	3,404
3	Buses	1,112	220
	<b>Totals</b>	<b>7,739</b>	<b>7,448</b>

**JUSTIFICATION:**

The above replacement vehicles should be replaced based on one or more of the following criteria: - excess mileage, age, poor condition - employee and public safety - costs of downtime - probability of major repairs - past repair cost and reliability history - how the unit is used.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>PROJECT COSTS:</b>										
2015 - 2024 Replacements	\$ 7,739	\$ 7,448	\$ 11,151	\$ 9,586	\$ 9,152	\$ 8,752	\$ 10,201	\$ 8,017	\$ 7,372	\$ 7,242
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 7,739</b>	<b>\$ 7,448</b>	<b>\$ 11,151</b>	<b>\$ 9,586</b>	<b>\$ 9,152</b>	<b>\$ 8,752</b>	<b>\$ 10,201</b>	<b>\$ 8,017</b>	<b>\$ 7,372</b>	<b>\$ 7,242</b>
<b>EFFECT ON OPERATIONS: (change from Base Year 2014)</b>										
Lease cost of the new replacement vehicles / units	\$ 540	\$ 1,606	\$ 2,786	\$ 4,056	\$ 5,281	\$ 6,267	\$ 7,246	\$ 8,387	\$ 9,347	\$ 10,247
Lease cost on retired vehicles / units	305	886	1,622	2,540	3,463	3,911	5,058	5,868	6,616	7,291
<b>TOTAL LEASE COSTS</b>	<b>\$ 235</b>	<b>\$ 720</b>	<b>\$ 1,164</b>	<b>\$ 1,516</b>	<b>\$ 1,818</b>	<b>\$ 2,356</b>	<b>\$ 2,188</b>	<b>\$ 2,519</b>	<b>\$ 2,731</b>	<b>\$ 2,956</b>
<b>FINANCING:</b>										
Government Grants	\$ 834	\$ 244	\$ 2,194	\$ 1,706	\$ 1,504	\$ 2,539	\$ 897	\$ 212	\$ 476	\$ 1,302
Equipment Reserve	6,201	6,224	8,163	6,891	6,591	5,023	7,851	5,255	3,430	2,950
Trade In	704	981	795	988	1,057	1,190	1,453	2,550	3,467	2,990
<b>TOTAL FINANCING:</b>	<b>\$ 7,739</b>	<b>\$ 7,448</b>	<b>\$ 11,151</b>	<b>\$ 9,586</b>	<b>\$ 9,152</b>	<b>\$ 8,752</b>	<b>\$ 10,201</b>	<b>\$ 8,017</b>	<b>\$ 7,372</b>	<b>\$ 7,242</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**BUILDING SERVICES**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

**JUSTIFICATION:**

2015 - Unit 6 will be past the service life required by the Insurance Underwriters to maintain the communities fire insurance rating and has begun to require substantial maintenance. The replacement unit will become a front line fire engine, required for the delivery of fire services from Fire Station 1. Unit 18 is past it's 10 year service life and due for a replacement chassis and service body refurbish. This unit is used for front line provision of technical rescue services which includes confined space rescue. Unit 9 is past it's 5 year life cycle and due for replacement. This unit is a light duty vehicle with lights, siren and radio used by the on duty/on call Safety Officer for direct response to major events.

2016 - Unit 15 is past it's 5 year life cycle and due for replacement. This unit is a light duty vehicle with lights siren and radio used by the Deputy Chief of Operations to respond directly to major events. Unit 14 will be past the service life required by the Insurance Underwriters to maintain the communities fire insurance rating and has begun to require substantial maintenance. The replacement unit will become a front line fire engine, required for the delivery of fire services.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 Replacements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forecast Replacements	-	-	300	175	100	-	-	-	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300</b>	<b>\$ 175</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ 17	\$ 44	\$ 60	\$ 66	\$ 66	\$ 66	\$ 66	\$ 66
Lease cost on retired vehicles / units	-	-	8	20	32	41	41	41	41	41
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9</b>	<b>\$ 24</b>	<b>\$ 28</b>	<b>\$ 25</b>	<b>\$ 25</b>	<b>\$ 25</b>	<b>\$ 25</b>	<b>\$ 25</b>
<b>FINANCING:</b>										
Debtenture										
Trade-In Proceeds	\$ -	\$ -	\$ 10	\$ 10	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Reserve	-	-	290	165	90	-	-	-	-	-
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300</b>	<b>\$ 175</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**CULTURE - MUSEUM & ART GALLERY**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 Replacements	\$ -	\$ -	\$ 40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ 2	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5
Lease cost on retired vehicles / units	-	-	3	5	5	5	5	5	5	5
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ -	\$ -	\$ 40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ELECTRIC DISTRIBUTION**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
128	3/4 ton 4x4 Ext. Cab Short Box Truck.	198,437	2015 3/4 ton 4x4 Ext. Cab Short Box Truck.	\$60	8
131	3/4 Ton 4x4 Ext. Cab Truck w/ Space cap.	103,285	2015 3/4 Ton 4x4 Ext. Cab Truck w/ Space cap.	\$75	8
146	Bucket Truck-Tandem Axle w/ 85' Boom	105,757	2015 Bucket Truck-Tandem Axle w/ 85' Boom	\$350	10
151	Bucket Truck (Spec to Existing Unit 146)	133,069	2016 Bucket Truck (Spec to Existing Unit 146)	\$365	10

**JUSTIFICATION:**

The Vehicles are at the end of the lease period and because of age and increasing maintenance on them as they are leased for the maximum lease period

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015- 2016 Replacement Vehicles	\$ 485	\$ 365	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017-2024 Replacement Vehicles	-	-	483	-	380	-	395	679	402	1,128
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 485</b>	<b>\$ 365</b>	<b>\$ 483</b>	<b>\$ -</b>	<b>\$ 380</b>	<b>\$ -</b>	<b>\$ 395</b>	<b>\$ 679</b>	<b>\$ 402</b>	<b>\$ 1,128</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 35	\$ 96	\$ 152	\$ 181	\$ 203	\$ 225	\$ 252	\$ 318	\$ 384	\$ 478
Lease cost on retired vehicles / units	10	30	63	84	104	124	139	181	225	283
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 25</b>	<b>\$ 66</b>	<b>\$ 89</b>	<b>\$ 97</b>	<b>\$ 99</b>	<b>\$ 101</b>	<b>\$ 113</b>	<b>\$ 137</b>	<b>\$ 159</b>	<b>\$ 195</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 451	\$ 339	\$ 449	\$ -	\$ 353	\$ -	\$ 367	\$ 631	\$ 374	\$ 1,049
Trade In	34	26	34	-	27	-	28	48	28	79
<b>TOTAL FINANCING:</b>	<b>\$ 485</b>	<b>\$ 365</b>	<b>\$ 483</b>	<b>\$ -</b>	<b>\$ 380</b>	<b>\$ -</b>	<b>\$ 395</b>	<b>\$ 679</b>	<b>\$ 402</b>	<b>\$ 1,128</b>





**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ELECTRIC GENERATION**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2017 - 2024 Replacement Vehicles	\$ -	\$ -	\$ 340	\$ 30	\$ -	\$ 40	\$ 105	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 340</b>	<b>\$ 30</b>	<b>\$ -</b>	<b>\$ 40</b>	<b>\$ 105</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ 20	\$ 41	\$ 43	\$ 45	\$ 52	\$ 56	\$ 56	\$ 56
Lease cost on retired vehicles / units	-	-	5	11	12	13	17	19	19	19
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15</b>	<b>\$ 30</b>	<b>\$ 31</b>	<b>\$ 32</b>	<b>\$ 35</b>	<b>\$ 37</b>	<b>\$ 37</b>	<b>\$ 37</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ -	\$ -	\$ 316	\$ 28	\$ -	\$ 37	\$ 98	\$ -	\$ -	\$ -
Trade In	-	-	24	2	-	3	7	-	-	-
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 340</b>	<b>\$ 30</b>	<b>\$ -</b>	<b>\$ 40</b>	<b>\$ 105</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SEWER**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
571	2005 Dodge Ram 2500 4X4 Quad Cab	200539	Dodge Ram 2500 4x4 Quad C	\$60	5
517	2007 Ram 2500 SLT 4x4 QC	168706	3/4 ton 4x4 QC	\$60	5
575	1989 Open DECK Trailer - Dual Axle	N/A	Open Deck Trailer - Dual Axle	\$10	7
540	2007 Dodge 2500 Ext Cab 4x4	134288	1.5 ton ext cab with flat deck	\$90	5
579	2009 8 ton knuckle boom truck with 18' flat deck	17837	8 ton knuckle boom truck w/18' flat deck	\$250	7
593	2003 Root Control Trailer	N/A	4x8 cargo trailer	\$10	7
500	2008 Ford F250 Reg Cab 4x4 Call out Vehicle	177898	1 Ton Ext Cab 4x4 w/sb	\$95	5

**JUSTIFICATION:**

As per Fleet Right Sizing, Large vehicles (larger than 1.5 ton) are replaced every 7 years and 1.5 ton and under are replaced every 5 years. Communications systems will be installed into each vehicle which will include computer stand, two way radio and blue tooth). Safety lighting will be required for all vehicles. Cameras will be fitted on all service box vehicles and large vehicles as a safety feature for Commercial Vehicle Safety.CNG not an option due to vehicle storage and cold weather essential usage

*Justification continued on next page*

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Replacement Vehicles	\$ 120	\$ 455	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Proposed Forecast	-	-	1,290	1,500	855	974	970	527	545	535
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 120</b>	<b>\$ 455</b>	<b>\$ 1,290</b>	<b>\$ 1,500</b>	<b>\$ 855</b>	<b>\$ 974</b>	<b>\$ 970</b>	<b>\$ 527</b>	<b>\$ 545</b>	<b>\$ 535</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 12	\$ 64	\$ 179	\$ 408	\$ 649	\$ 837	\$ 1,036	\$ 1,190	\$ 1,300	\$ 1,411
Lease cost on retired vehicles / units	5	26	124	324	511	656	811	929	1,015	1,100
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 7</b>	<b>\$ 38</b>	<b>\$ 55</b>	<b>\$ 84</b>	<b>\$ 138</b>	<b>\$ 181</b>	<b>\$ 225</b>	<b>\$ 261</b>	<b>\$ 285</b>	<b>\$ 311</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 112	\$ 423	\$ 1,200	\$ 1,395	\$ 795	\$ 906	\$ 902	\$ 490	\$ 507	\$ 498
Trade In	8	32	90	105	60	68	68	37	38	37
<b>TOTAL FINANCING:</b>	<b>\$ 120</b>	<b>\$ 455</b>	<b>\$ 1,290</b>	<b>\$ 1,500</b>	<b>\$ 855</b>	<b>\$ 974</b>	<b>\$ 970</b>	<b>\$ 527</b>	<b>\$ 545</b>	<b>\$ 535</b>

**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SEWER**

**JUSTIFICATION continued:**

571 - Vehicle was approved for replacement in 2012 then was deferred to 2015 due to essential replacment of 562 Hydrovac Truck. Vehicle is used daily by Maintenance Foreman for response to Maintenance issues. Has two way radio, computer and safety lights

517 - Used daily by Compliance Assistant in inspecting contractors on job sites as well as performing water line chlorination. Has two way radio, computer and safety lights.

542 - Used as a safety vehicle for Unit 552 (Vacuum Truck), it carries the barricades and addition equipment used on 552. It also provides a safe zone between the two vehicles on busy roads. Has two way radios, computer and Safety lights.

557 - A CCTV vehicle used to provide video service of sewer mains. This vehicle has a "office" within to conduct the surveys as well as a repair bay to work on the CCTV crawler. Although it does not have much mileage, the unit is required to idle while performing CCTV activities to provide power to the rear of the unit. It is for this reason that a diesel engine is required in this vehicle. Has two way radio, beacons and safety lighting, and full CCTV suite.

532 - Meter Van - This vehicle carries all requiried parts, equipment, tools and water meters to facilitate meter changes. Has two way radio.

540 - Currently vehicle has a flat deck and sand/salt spreader, this vehicle is multi purposed as also is used to deliver construction equipment to the work site. Has two way radio and safety lights.

561 - Construction Superintendent vehicle, used to inspect contractors on job sites. This vehicle is fitted with tool boxes, safety lights, two way radio and computer.

579 - Boom truck used for moving trench box material, water and sewer pipe, misc equp parts and pieces, jersey barriers etc. Has lights, camera and comms package

593 - Small enclosed cargo trailer used to contain root control equipment and product.

556 - Millwright vehicle, has service box for containing trades tools as well as a crane to lift pumps and equipment into back of vehicle. Has Lights, communications, computer and camera.

522 - Locates vehicle, contains locate equipment as well as valve box compenents. Has lights, communications, computer and camera.

500 - Call out vehicle contains various multidisciplinary equipment to respond quickly to after hours and weekend calls. Has lights, communications, computer and camera.



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SOLID WASTE UTILITY**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
635	2007-7400 SBA6X4 LABRIE EXPERT 2000	81,000	2015 Residential Auto CNG	\$320	7
636	2007-7400 SBA6X4 LABRIE EXPERT 2000	90,000	2015 Residential Auto CNG	\$320	7
653	2008-LABRIE EXPERT 2000 R/Hand Automizer	78,000	2015 Residential Auto CNG	\$320	7
655	2008-LABRIE EXPERT 2000 R/Hand Automizer	82,000	2015 Residential Auto CNG	\$320	7
679	2007-7400 6X4 INTERNATIONAL ROLLOFF	37000	2015 Roll off Truck	\$200	7
670	2008-G25P.5 DAEWOO FORKLIFT	5500	2015 Forklift	\$65	5
650	1995 C2500 3/4 TON 2WD REG CAB (USED)	175,000	2015 3/4 ton reg cab	\$40	5
642	2008-WX64 AUTOCAR IMPAC SPRINTER	121,000	2016 Comm Side Load CNG	\$300	7
645	2006-WX64 AUTOCAR IMPAC SPRINTER	147,000	2016 Comm Side Load CNG	\$300	7
649	D85E-21 KOMATZU DOZER	5320	2016 D7 Dozer	\$700	7
666	624J JOHN DEER LOADER	9075	2016 Wheeled Loader	\$320	7

**JUSTIFICATION:**

All units are essential operational vehicles needed to deliver core services. All are nearing the end of their expected life . Residential Automatic Refuse Truck Units 635, 636, 653, and 655 provide curbside collection of refuse and yard waste. Although these refuse trucks have lower mileage, the excessive amount of start / stop and idling is hard on them. Commercial Refuse Trucks Unit 642 & 645 collect refuse and recycling from our institutional, commercial, and industrial customers. The large Residential and Commercial Refuse Trucks will be Compressed Natural Gas (CNG) powered. To ensure core operations are not compromised during the transition to a CNG fleet, the Diesel trucks may be retained in reserve for one year, hence impacting the lease costs on retired vehicles.

*Justification may be continued on next page*

REPLACEMENT COSTS:	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
2015-2016 Replacement Vehicles	\$ 1,585	\$ 1,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017-2024 Replacement Vehicles	-	-	120	1,645	405	415	2,395	2,220	1,865	655
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 1,585</b>	<b>\$ 1,620</b>	<b>\$ 120</b>	<b>\$ 1,645</b>	<b>\$ 405</b>	<b>\$ 415</b>	<b>\$ 2,395</b>	<b>\$ 2,220</b>	<b>\$ 1,865</b>	<b>\$ 655</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 124	\$ 373	\$ 506	\$ 641	\$ 796	\$ 856	\$ 1,073	\$ 1,428	\$ 1,738	\$ 1,923
Lease cost on retired vehicles / units	96	273	361	481	614	649	831	1,111	1,316	1,441
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 28</b>	<b>\$ 100</b>	<b>\$ 145</b>	<b>\$ 160</b>	<b>\$ 182</b>	<b>\$ 207</b>	<b>\$ 242</b>	<b>\$ 317</b>	<b>\$ 422</b>	<b>\$ 482</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 1,474	\$ 1,507	\$ 112	\$ 1,530	\$ 377	\$ 386	\$ 2,227	\$ 2,065	\$ 1,734	\$ 609
Trade In	111	113	8	115	28	29	168	155	131	46
<b>TOTAL FINANCING:</b>	<b>\$ 1,585</b>	<b>\$ 1,620</b>	<b>\$ 120</b>	<b>\$ 1,645</b>	<b>\$ 405</b>	<b>\$ 415</b>	<b>\$ 2,395</b>	<b>\$ 2,220</b>	<b>\$ 1,865</b>	<b>\$ 655</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - SOLID WASTE UTILITY**

**JUSTIFICATION continued:**

Roll off Truck Unit 679 provides collection of the recycling bins from the recycling depots. The existing unit 679 will be retained on a second lease to replace the aging standby Unit 9682. The Material Handling Forklift Unit 670 is essential for recycling material handling at the Material Recovery Facility (MRF). The landfill Dozer Unit 649 is used daily in various landfill and waste diversion tasks. The dozer is critical for the placement of soil, grading the intermediate layers, and as a backup to the landfill compactor. Landfill Loader 666 is a critical piece of equipment that is used daily for Waste Diversion and Landfill tasks. Landfill Pickup Units 675, 683 are used daily to transport staff to the landfill working face and compost sites. Collections Pickup Unit 650 is used daily to transport collection staff to the tire shop, fleet services, other service locations, various work sites, the delivery of carts, customer action requests, and backup unit when another Solid Waste truck is down for repairs or maintenance.

**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - WASTEWATER TREATMENT**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
582	199? Case Tractor	1909 hrs	2015 Case Tractor	\$30	10
587	2003 IH 7400 6x4 tandem	65000	2015 IH 7400 6x4 tandem	\$100	7
586	1998 IH 4900 6x4 tandem	225000	2016 IH 6x4 tandem	\$100	7

**JUSTIFICATION:**

All vehicles are essential core service vehicles. **582** is a second-life Case tractor used for winter road plowing and road texturing and minor excavation on WWTP site to ensure safe road conditions for heavy vehicle traffic experienced on the WWTP service road. This is an essential service due to the remote nature of this facility and the lack of alternative service providers. The existing unit is an early 1990's tractor. A replacement used unit is being requested due to the relatively moderate usage frequency. A replacement frequency of 10 years is being recommended due to the usage frequency of this unit. **586** is a tandem truck used 2-3 times a week for hauling waste material to the landfill as part of the treatment process. This is an essential vehicle and required to comply with our provincial regulatory license. This vehicle is also used required for redundancy to the primary unit 587. Both vehicles are essential to the operation and compliance with provincial regulations. 5xx 2014 Trailer backup unit for moving sludge, used when there is a malfunction/failure of one of the tandem units, 10 year replacement recommended due to level of use.

587 continued- Due to the low mileage a second life vehicle is being recommended with a replacement frequency of 7 years. 5001 - is a multi-purpose maintenance service vehicle employed to complete various maintenance activities within the plantsite. A replacement frequency of 10 years is being recommended. 5002 - is a ride-on mower employed to maintain various landscaping within the plant site. This site is a remote facility outside of City limits thus conducts all onsite landscaping in-house. 526- is a pool vehicle primarily employed by non-union staff and laboratory services for transport to various EU facilities, environmental sampling and monitoring work for regulatory compliance, and training/travel. Due to the remote location outside City limits this vehicle experiences moderate mileage but is employed in remote areas. Due to this a replacement frequency of 5 years is being recommended. Unit 529 -this unit is employed to conduct mechanical maintenance at the WWTP. This unit often travels between remote sites to various mechanical service vendors within the City. This unit experiences moderate mileage each year but operates in remote locations away therefore a replacement frequency of 5 years is being recommended due to the service conditions experienced by this unit. Cameras will be fitted on all service body vehicles and large vehicles as a safety feature for commercial vehicle safety. CNG is not an option in these applications due to vehicle storage constraints and cold weather essential usage. Full communications packages will be required on all vehicles, excluding units 5001 & 5002.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Replacement Vehicles	\$ 130	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Replacement Vehicles	-	-	-	-	50	70	-	150	150	15
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 130</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50</b>	<b>\$ 70</b>	<b>\$ -</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 15</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 9	\$ 26	\$ 34	\$ 34	\$ 37	\$ 54	\$ 73	\$ 89	\$ 112	\$ 125
Lease cost on retired vehicles / units	5	14	19	21	21	22	23	30	46	54
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 4</b>	<b>\$ 12</b>	<b>\$ 15</b>	<b>\$ 13</b>	<b>\$ 16</b>	<b>\$ 32</b>	<b>\$ 50</b>	<b>\$ 59</b>	<b>\$ 66</b>	<b>\$ 71</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 121	\$ 93	\$ -	\$ -	\$ 47	\$ 65	\$ -	\$ 140	\$ 140	\$ 14
Trade In	9	7	-	-	4	5	-	11	11	1
<b>TOTAL FINANCING:</b>	<b>\$ 130</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50</b>	<b>\$ 70</b>	<b>\$ -</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 15</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**New Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - FIELD OPERATIONS (WATER)**

EXPECTED ARRIVAL DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
508	1994 RF-82-TA DBH Huewitt Thaw Machine	N/A	2015 Trailer Generator	50	5
590	2005 Bomag Drum Roller Wheel Vibrator	1339 hrs	2015 Bomag Drum Roller	80	5
502	2009 Ford F450 Crewcab C&C 4x4 w/service bx	20738	2015 1 1/4 Ton Crew Cab 4x4	95	5
512	1998 Dodge Ram 1500 4x4 Ext Cab	114817	2015 Full size 4x4 SUV	55	5
504	2010 Workstar Tandem Dump IH 7400 6x4	49236	2016 Tandem Dump	195	7
520	2011 Ford F250 4x4 Ext Cab (Service Box)	20386	2016 1 Ton 4x4 Ext Cab w/SB	105	5
521	2011 Ford F250 4x4 Ext Cab (Service Box)	39265	2016 1 Ton 4x4 Ext Cab w/SB	95	5

**JUSTIFICATION:**

Tool cat will be used to plow snow and mow grass at reservoirs and lift stations. Hydro-vac will be used to allow Construction Crew to operate two worksites at once. Bobcat Rubber track mini-hoe and trailer are for operating in areas and terrain not conducive for large vehicle. 16 Wheel lowboy trailer will be used to transport current excavator as well as transporting generator buildings in times of heavy flood waters requiring their removal. CNG not an option due to vehicle storage and cold weather essential usage for Field Operations vehicles.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 New Vehicles	\$ 280	\$ 395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forcasted New vehicles	-	-	1,100	305	860	270	775	460	400	525
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 280</b>	<b>\$ 395</b>	<b>\$ 1,100</b>	<b>\$ 305</b>	<b>\$ 860</b>	<b>\$ 270</b>	<b>\$ 775</b>	<b>\$ 460</b>	<b>\$ 400</b>	<b>\$ 525</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Future Lease Costs on New Vehicles / Units	\$ 29	\$ 109	\$ 274	\$ 418	\$ 538	\$ 654	\$ 761	\$ 888	\$ 976	\$ 1,071
Lease cost on retired vehicles / units	3	23	134	253	345	435	518	616	684	758
<b>TOTAL LEASE COSTS</b>	<b>26</b>	<b>86</b>	<b>140</b>	<b>165</b>	<b>193</b>	<b>219</b>	<b>243</b>	<b>272</b>	<b>292</b>	<b>313</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 260	\$ 367	\$ 1,023	\$ 284	\$ 800	\$ 251	\$ 721	\$ 428	\$ 372	\$ 488
Trade in	20	28	77	21	60	19	54	32	28	37
<b>TOTAL FINANCING:</b>	<b>\$ 280</b>	<b>\$ 395</b>	<b>\$ 1,100</b>	<b>\$ 305</b>	<b>\$ 860</b>	<b>\$ 270</b>	<b>\$ 775</b>	<b>\$ 460</b>	<b>\$ 400</b>	<b>\$ 525</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**ENVIRONMENTAL UTILITIES - WATER PRODUCTION**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Unit #	Odometer	Replacement Vehicle	Cost	Life (Yr)
527	2003 GMC Sonoma 1/4 ton 4x4 Ext cab	116000	2015 SUV 4x4	\$55	10
510	2005 Chevy 3/4 ton ext cab with service body	117000	2015 F350 4x4 Ext Cab with service body	\$95	10

**JUSTIFICATION:**

All vehicles are essential core service vehicles. **525**-is the wtp operations service truck used for plant site and off site use. This vehicle is required to access infrastructure offsite. This vehicle experiences low mileage. A 4x4 1/2 ton truck is required for this application. Due to the low mileage requirements a replacement frequency of 10 years is recommended. **527**- is a pool vehicle primarily used for daily activities by non-union staff, lab services, and training/travel. Unit 527 experiences low yearly mileage. A 4x4 SUV or a 4x4 1/2 ton truck is recommended for this application. Due to the low mileage requirements a 10 year replacement frequency is being recommended for this application. **598**- Is used for Electrical and Instrumentation work at both Plants and distribution system. It is a requirement to perform core activities within multiple site locations. A 4x4 1/2 ton truck is required for this application. A replacement frequency of 10 years is being recommended for this application. **510** - is an Electrical/Instrumentation maintenance vehicle which services all EU infrastructure. It is a core requirement to conduct critical maintenance and repair services.

510 continued- an F350 4x4 complete with service body is required to fulfill the operational requirements of this unit. Due to the criticality of this vehicle a 5 year new replacement frequency is being recommended. Cameras will be fitted on all service body vehicles and large vehicles as a safety feature for commercial vehicle safety. CNG is not recommended for these vehicles due to vehicle storage constraints and cold weather essential usage. Full communications packages will be required on these vehicles.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 Replacement Vehicles	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Replacement Vehicles	-	-	110	-	-	-	-	63	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 150</b>	<b>\$ -</b>	<b>\$ 110</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 9	\$ 17	\$ 26	\$ 34	\$ 34	\$ 34	\$ 34	\$ 34	\$ 34	\$ 34
Lease cost on retired vehicles / units	5	10	15	19	19	19	19	23	26	26
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 4</b>	<b>\$ 7</b>	<b>\$ 11</b>	<b>\$ 15</b>	<b>\$ 15</b>	<b>\$ 15</b>	<b>\$ 15</b>	<b>\$ 11</b>	<b>\$ 8</b>	<b>\$ 8</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 140	\$ -	\$ 102	\$ -	\$ -	\$ -	\$ -	\$ 59	\$ -	\$ -
Trade in	11	-	8	-	-	-	-	4	-	-
<b>TOTAL FINANCING:</b>	<b>\$ 150</b>	<b>\$ -</b>	<b>\$ 110</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63</b>	<b>\$ -</b>	<b>\$ -</b>





**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**FINANCE**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
833	1998 Dodge 1500 1/2 ton long box	100,000	2015 1/2 ton long box 4x4 and some additional features	\$35,000	5
836	1989 Komatsu FG40Z-4	4500	2015 model with enclosed cab	\$85,000	5

**JUSTIFICATION:**

Both units are old, require a great deal of maintenance and are lacking some features (ie enclosed cab on forklift) to work comfortably in adverse weather conditions

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
Unit 833 1/2 ton truck	\$ 35	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ -	\$ -	\$ -
Unit 836 forklift	85	-	-	-	-	-	-	120	-	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45</b>	<b>\$ -</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 10	\$ 20	\$ 20	\$ 20	\$ 20	\$ 25	\$ 29	\$ 39	\$ 48	\$ 48
Lease cost on retired vehicles / units	2	4	4	4	4	6	9	15	20	20
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 8</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 16</b>	<b>\$ 19</b>	<b>\$ 20</b>	<b>\$ 24</b>	<b>\$ 28</b>	<b>\$ 28</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ 45	\$ -	\$ 120	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45</b>	<b>\$ -</b>	<b>\$ 120</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**FIRE SERVICES**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
6	1995 Fire Engine One Cyclone Pumper Eng 1A	82000	2015 Custom Build Fire Engine	\$650	20
18	2003 Ford F350 Ext-Cab Tech Rescue #1	35000	2015 Ford F350 or Equivalent	\$90	10
9	2009 Ford Expedition - Chief Safety Officer	100000	2015 1/2 Ton or Mid-Size SUV	\$45	5
15	2010 Ford F150 XLT 4x4	120000	2016 Ford F150 XLT 4x4	\$45	5
14	1995 Fire Engine One Cyclone Pumper Eng 3A	85000	2016 Custom Build Fire Engine	\$650	20

**JUSTIFICATION:**

2015 - Unit 6 will be past the service life required by the Insurance Underwriters to maintain the communities fire insurance rating and has begun to require substantial maintenance. The replacement unit will become a front line fire engine, required for the delivery of fire services from Fire Station 1. Unit 18 is past it's 10 year service life and due for a replacement chassis and service body refurbish. This unit is used for front line provision of technical rescue services which includes confined space rescue. Unit 9 is past it's 5 year life cycle and due for replacement. This unit is a light duty vehicle with lights, siren and radio used by the on duty/on call Safety Officer for direct response to major events. 2016 on page 3.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 Replacements	\$ 785	\$ 695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forecast Replacements	-	-	400	110	925	45	680	360	-	800
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 785</b>	<b>\$ 695</b>	<b>\$ 400</b>	<b>\$ 110</b>	<b>\$ 925</b>	<b>\$ 45</b>	<b>\$ 680</b>	<b>\$ 360</b>	<b>\$ -</b>	<b>\$ 800</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 35	\$ 99	\$ 143	\$ 165	\$ 227	\$ 286	\$ 316	\$ 364	\$ 387	\$ 416
Lease cost on retired vehicles / units	25	71	104	129	187	234	268	310	320	365
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 10</b>	<b>\$ 28</b>	<b>\$ 39</b>	<b>\$ 36</b>	<b>\$ 40</b>	<b>\$ 52</b>	<b>\$ 48</b>	<b>\$ 54</b>	<b>\$ 67</b>	<b>\$ 51</b>
<b>FINANCING:</b>										
Trade-In Proceeds	\$ 55	\$ 49	\$ 28	\$ 8	\$ 65	\$ 3	\$ 48	\$ 25	\$ -	\$ 56
Equipment Reserve	730	646	372	102	860	42	632	335	-	744
<b>TOTAL FINANCING:</b>	<b>\$ 785</b>	<b>\$ 695</b>	<b>\$ 400</b>	<b>\$ 110</b>	<b>\$ 925</b>	<b>\$ 45</b>	<b>\$ 680</b>	<b>\$ 360</b>	<b>\$ -</b>	<b>\$ 800</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**FLEET SERVICES**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
9710	Workshop Sweeper	10000 hrs	2015 Sweeper	\$40K	7

**JUSTIFICATION:**

**9211 - Service Truck.** Required by Automotive and Heavy Duty mechanics to conduct service repairs on call and as needed by customer departments.

**9710 - Workshop Sweeper.** Last year Fleet Services sweeper became out of service and beyond a reasonable repair cost after being in service for over 15 years. A new sweeper will be required to clean Heavy and Automotive bays on a daily basis.

**9039 - Heavy Duty Forklift.** Fleet Stores requires a heavy duty forklift capable of transporting goods and parts from the warehouse to either maintenance bays or Fleet Stores receivables area. Current Forklift has been over 27 years in service and maintenance expenses are beyond a cost effective point. A new flexible will like a Tool Cat will provide Fleet Stores with enough flexibility to conduct a variety of shipping and receiving tasks.

**9028 - Fleet Services General Duties Vehicle.** Will be used for rental purposes and to accommodate a variety of Fleet tasks when needed (i.e. deliveries, pick-ups etc.)

**9031-9036 - New Light Duty Trucks.** will be required by Fleet to provide them as reliable rental units in order to meet corporate departments needs when vehicles break downs occur and a loaner vehicle is required. Currently Fleet does not have a dedicated pool of vehicles that could be considered trustworthy. Historically Fleet's rental units have been 2nd or 3rd life cycle vehicles that are due for auction rather than to be used as rental units.

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Replacement Vehicles	\$ 40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forecast Replacements	-	-	-	-	-	-	-	100	55	-
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100</b>	<b>\$ 55</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lease cost on retired vehicles / units	-	-	-	-	-	-	-	-	-	-
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	93	51	\$ -
Trade In	15	-	-	-	-	-	-	7	4	-
<b>TOTAL FINANCING:</b>	<b>\$ 40</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100</b>	<b>\$ 55</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**GAS DISTRIBUTION**

Unit #	Description	Odometer Projection	Replacement Year	Replacement Vehicle	Cost	Life (Yr)
236	2007 Chev 1/2 ton	106,000	2015	2015 SUV/ 1/2 ton	\$45	5
286	2005, 590 Case Extend 4x4 Backhoe	2700 hrs	2015	2015 590 4x4 bsck hoe	\$150	5
210	2008 3/4 ton quad cab with service body	144,000	2016	2016 3/4 ton with service body	\$65	5
209	2009 gmc quad cab with service body	148,000	2016	2016 3/4 ton with service body	\$65	5

**JUSTIFICATION:**

Lifecycle replacement of pick-up trucks so that NGPR Operational and Technical staff can continue to operate, maintain and optimize wells, pipelines and facilities. If trucks are not replaced the NGPR may be in violation of Government Regulations and NGPR may not be able to meet its purpose "to manage the City's natural gas and petroleum producing properties for the benefit of the citizens of Medicine Hat ". Per study conducted by Mercury Associates, Inc. (November 2012) NGPR will continue to replace trucks > 5 years or > 150,000 km. The study considered: purchase price, residual value, repairs, maintenance and fuel costs to determine the optimal replacement of NPGR's truck fleet.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
Gas Dist Replacement (000's)	\$ 195	\$ 130	\$ 191	\$ 234	\$ 410	\$ 139	\$ 492	\$ 600	\$ 783	\$ 329
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 195</b>	<b>\$ 130</b>	<b>\$ 191</b>	<b>\$ 234</b>	<b>\$ 410</b>	<b>\$ 139</b>	<b>\$ 492</b>	<b>\$ 600</b>	<b>\$ 783</b>	<b>\$ 329</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 17	\$ 43	\$ 60	\$ 84	\$ 133	\$ 175	\$ 224	\$ 309	\$ 345	\$ 378
Lease cost on retired vehicles / units	14	37	51	69	99	115	143	179	195	195
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 3</b>	<b>\$ 6</b>	<b>\$ 9</b>	<b>\$ 15</b>	<b>\$ 34</b>	<b>\$ 60</b>	<b>\$ 81</b>	<b>\$ 130</b>	<b>\$ 150</b>	<b>\$ 183</b>
<b>FINANCING:</b>										
Government Grants										
Equipment Reserve	\$ 181	\$ 121	\$ 178	\$ 218	\$ 381	\$ 129	\$ 458	\$ 558	\$ 728	\$ 306
Trade In	14	9	13	16	29	10	34	42	55	23
<b>TOTAL FINANCING:</b>	<b>\$ 195</b>	<b>\$ 130</b>	<b>\$ 191</b>	<b>\$ 234</b>	<b>\$ 410</b>	<b>\$ 139</b>	<b>\$ 492</b>	<b>\$ 600</b>	<b>\$ 783</b>	<b>\$ 329</b>

**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**NATURAL GAS AND PETROLEUM RESOURCES**

Unit #	Description	Odometer Projection	Replacement Year	Replacement Vehicle	Cost	Life (Yr)
230	2011 Ford F250 Crewcab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
244	2011 Chevy Silverado 2500 HD SLE Ext Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
245	2011 Ford F250 Crewcab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
248	2011 Ford F250 Ext Cab SD 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
249	2011 Ford F250 Ext Cab SD 4W	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
254	2008 Dodge Ram 2500 SLT Quad Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	8
257	2011 Ford F250 Ext Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
261	2011 Ford F250 Crewcab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
262	2007 Dodge Ram 2500 SLT Quad Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
263	2011 Ford F250 Crewcab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
265	2011 Ford F150 Ext Cab 4WD	150,000	2015	New heavy duty 1/2 ton 4x4 extended cab	\$45	5
266	2010 Ford F150 Ext Cab 4WD	150,000	2015	New heavy duty 1/2 ton 4x4 extended cab	\$45	5
268	2008 Ford F250 XLT Reg Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
276	2007 Dodge Ram 2500 SLT Quad Cab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
288	2011 Ford F250 Crewcab 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
291	2007 Dodge Ram 1500 SLT Quad 4WD	150,000	2015	New 3/4 ton 4x4 extended cab	\$50	5
225	2011 Ford F150 Supercrew XLT 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
241	2011 Ford F250 Ext Cab SD 4WD	150,000	2016	New heavy duty 1/2 to 4x4 extended cab	\$45	5
243	2011 Chevy Silverado 2500 HD SLE Ext Cab 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
264	2011 Ford F250 Crewcab 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
279	2014 Ford F250 Ext Cab 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
2235	2011 Ford F250 Crewcab 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
2237	2011 Ford F250 Reg Cab 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
2239	2011 Chevy Silverado 2500 HD Ext Cab SLE 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5
2240	2011 Chevy Silverado 2500 HD Ext Cab SLE 4WD	150,000	2016	New 3/4 ton 4x4 extended cab	\$51	5

**JUSTIFICATION:**

Lifecycle replacement of pick-up trucks so that NGPR Operational and Technical staff can continue to operate, maintain and optimize wells, pipelines and facilities. If trucks are not replaced the NGPR may be in violation of Government Regulations and NGPR may not be able to meet its purpose "to manage the City's natural gas and petroleum producing properties for the benefit of the citizens of Medicine Hat ". Per study conducted by Mercury Associates, Inc. (November 2012) NGPR will continue to replace trucks > 5 years or > 150,000 km. The study considered: purchase price, residual value, repairs, maintenance and fuel costs to determine the optimal replacement of NPGR's truck fleet.



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**NATURAL GAS AND PETROLEUM RESOURCES**

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
<b>REPLACEMENT COSTS:</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>	<b>FORECAST</b>
NGPR Replacement (000's)	\$ 885	\$ 504	\$ 546	\$ 312	\$ 562	\$ 883	\$ 468	\$ 486	\$ 783	\$ 329
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 885</b>	<b>\$ 504</b>	<b>\$ 546</b>	<b>\$ 312</b>	<b>\$ 562</b>	<b>\$ 883</b>	<b>\$ 468</b>	<b>\$ 486</b>	<b>\$ 783</b>	<b>\$ 329</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 85	\$ 232	\$ 340	\$ 429	\$ 518	\$ 579	\$ 516	\$ 561	\$ 606	\$ 729
Lease cost on retired vehicles / units	55	149	210	249	308	386	421	440	539	646
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 37</b>	<b>\$ 87</b>	<b>\$ 151</b>	<b>\$ 216</b>	<b>\$ 253</b>	<b>\$ 258</b>	<b>\$ 167</b>	<b>\$ 186</b>	<b>\$ 136</b>	<b>\$ 165</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 823	\$ 469	\$ 508	\$ 290	\$ 523	\$ 821	\$ 435	\$ 452	\$ 728	\$ 306
Trade In	62	35	38	22	39	62	33	34	55	23
<b>TOTAL FINANCING:</b>	<b>\$ 885</b>	<b>\$ 504</b>	<b>\$ 546</b>	<b>\$ 312</b>	<b>\$ 562</b>	<b>\$ 883</b>	<b>\$ 468</b>	<b>\$ 486</b>	<b>\$ 783</b>	<b>\$ 329</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**LAND AND PROPERTIES**

EXPECTED REPLACEMENT DATE: July 1 of 2015

PROJECT MANAGER: Fleet Superintendent

**JUSTIFICATION:**

Unit 886 is 20 years old and will have in excess of 200,000 km on the odometer at the time of disposal. Maintenance costs will be increasing while the vehicle reliability will be decreasing. L+P does not feel comfortable in utilizing this vehicle for attending conferences, consultant meetings and other land development initiatives in locations external to Medicine Hat. L+P is Medicine Hat's premiere residential land developer and its corporate vehicle is also utilized for promoting its land sales and encouraging economic development.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
Unit 886 - 1994 Jeep Cherokee	\$ -	\$ -	\$ 45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5
Lease cost on retired vehicles / units	-	-	3	3	3	3	3	3	3	3
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>	<b>\$ 2</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ -	\$ -	\$ 45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**MUNICIPAL WORKS**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
303	2000 1 Ton Truck c/w Utility Box	75,000	2015 1 Ton c/w Utility Box	\$100	7
320	2007 1500 Quad Cab	123,000	2015 1500 Quad Cab	\$60	5
337	2002 C7500 Asphalt Patch Truck (S/A)	100,000	2015 C7500 Asphalt Patch Truck (S/A)	\$150	10
341	1999 F250 3/4 Ton Truck	145,000	2015 3/4 Ton Truck	\$60	7
305	2005 1 Ton Crew Cab	115,000	2015 1 Ton Crew Cab	\$90	7
358	2003 1 Ton Crew Cab	100,000	2015 1 Ton Crew Cab	\$90	7
319	2003 1 Ton Crew Cab	52,000	2015 1 Ton Crew Cab	\$90	7
360	2004 F250 4x4 3/4 Ton Truck (Call out)	225,000	2015 4X4 3/4 Ton Truck	\$80	7
342	2004 7400 4x2 Plow Sander Truck (S/A) (Airport)	N/A	2015 6x2 Tandem Plow Sander (Airport)	\$300	10
359	2003 C3500 1 Ton Truck	180,000	2015 1 Ton Truck	\$90	7
398	1999 1/2 Ton 4X4 Ext Cab (Airport)	190,000	2016 1/2 Ton 4x4 Ext Cab (Airport)	\$55	5
372	2006 Eagle Street Sweeper	30,000	2015 Street Sweeper	\$400	10
371	2001 Road Wizard Street Sweeper	6800 hrs	2016 Street Sweeper	\$400	10
353	2004 Motor Grader	6700 hrs	2016 Motor Grader	\$450	10
343	2003 Tandem Axle c/w (sander, plow)	100,000	2016 Tandem Axle c/w (sander, plow)	\$250	10
344	2003 Tandem Axle c/w (sander, plow)	125,000	2017 Tandem Axle c/w (sander, plow)	\$250	10

**JUSTIFICATION:**

All of the above units have exceeded their useful life expectancies (5-7 years) and /or are beginning to experience substantial or expensive requirements for repair and maintenance . All units are required to meet existing levels of service as identified in the current Municipal Works Department business plan. **2015 Unit 303** - Concrete crew/snow and ice control - Used year round to transport tools, equipment and employees. Past useful life. **Unit 320**-Supervisor truck - Used year round to transport tools, equipment and employees. Unit is experiencing high maintenance issues. **Unit 337**-Asphalt patch crew/snow and ice control - Used year round to hauls asphalt in the summer, and various materials in the winter. Past useful life. **Unit 341** - Concrete crew/snow and ice control -Used year round to transport tools and employees . Past useful life. **Unit 310** - Engineering sub department - Used year round to transport employees. Past useful life. **Unit 305** - Concrete crew/snow and ice control- Used year round to transport tools, equipment and crews. Past useful life. **Unit 358** - Sign crew - Used year round for sign maintenance activities, road closures, construction related traffic accommodations and street sweeping. Past useful life. **Unit 319** - Asphalt crew/snow and ice control - Used year round to transport tools, equipment and employees. Past useful life. **Unit 360** - Municipal Works Callout Truck - Used year around for on call personnel to respond to after hours/emergency work. Past useful life. **Unit 342** - Airport operations - Used in winter season for snow and ice control of the airport runway. Operational requirements need a bigger unit. Past useful life. **Unit 347** - Used year round for flushing of storm lines, excavation of buried utilities, sign pole installations and roadway flood control. Unit has a history of continuous and unusually high maintenance issues, **Unit 397** - Used in winter season to clear snow and ice from storm lines and catch basins. Past useful life and experiencing high maintenance costs. **Unit 359**-Asphalt patch crew/snow and ice control. Used year round to transport tools, equipment and employees. Past useful life. **2016 Unit 398** - Used for Airport inspection and maintenance. Past useful life. **Unit 372** - Used in summer season to clean roadways. Past useful life and high maintenance due to the environment sweepers are required to work in. **Unit 371** - Used in summer season to clean roadways . Past useful life and high maintenance due to the environment sweepers are required to work in. **Unit 353** - Used year round for lane grading in the summer and plowing, flat blading and snow removal in the winter. Past useful life **Unit 343** - Used year round for hauling material in the summer and sanding operations if n the winter. Past useful life. **Unit 344** - Used year round for hauling material in the summer and sanding operations in the winter. Past useful life. **Unit 330** - Supervisor truck - Used year round. Nearing useful life and high Kilometers.





**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**

*In thousands of dollars*

**MUNICIPAL WORKS**

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Vehicle Replacements	\$ 1,110	\$1,805	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Vehicle Replacements	-	-	1,585	1,410	1,025	1,290	1,600	1,375	1,025	920
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 1,110</b>	<b>\$ 1,805</b>	<b>\$ 1,585</b>	<b>\$ 1,410</b>	<b>\$ 1,025</b>	<b>\$ 1,290</b>	<b>\$ 1,600</b>	<b>\$ 1,375</b>	<b>\$ 1,025</b>	<b>\$ 920</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 88	\$ 283	\$ 482	\$ 654	\$ 794	\$ 928	\$ 1,094	\$ 1,266	\$ 1,404	\$ 1,516
Lease cost on retired vehicles / units	28	103	199	286	356	425	499	568	621	653
<b>NET INCREASE TO LEASE COSTS</b>	<b>60</b>	<b>180</b>	<b>283</b>	<b>368</b>	<b>438</b>	<b>503</b>	<b>595</b>	<b>698</b>	<b>783</b>	<b>863</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 1,032	\$ 1,679	\$ 1,474	\$ 1,311	\$ 953	\$ 1,200	\$ 1,488	\$ 1,279	\$ 953	\$ 856
Trade In	78	126	111	99	72	90	112	96	72	64
<b>TOTAL FINANCING:</b>	<b>\$ 1,110</b>	<b>\$ 1,805</b>	<b>\$ 1,585</b>	<b>\$ 1,410</b>	<b>\$ 1,025</b>	<b>\$ 1,290</b>	<b>\$ 1,600</b>	<b>\$ 1,375</b>	<b>\$ 1,025</b>	<b>\$ 920</b>

**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**PARKS & RECREATION**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

Fleet Superintendent

Unit #	Year	Description	Odometer/ Hours	Replacement Vehicle	Budget Year	Cost	Life (Yr)
419	1990	F800 4 ton truck single axle	198,021	4 ton truck (auction/2nd life unit)	2015	60	15
4412	1950	long mowing trailer	0	long trailer	2015	50	15
4416	1950	long mowing trailer	0	long trailer	2015	50	15
4423	1988	Olathe sweeper	626	ride on sweeper	2015	40	15
4455	2002	Bobcat S250 skidsteer	2,416	Toolcat and sander	2015	60	10
4466	2000	Honda TRX250X Quadrunner	n/a	RTV utility vehicle	2015	20	10
4477	1997	JD 6x4 Gator utility unit	2,222	Gator utility vehicle	2015	15	10
4495	1991	JD 332 garden tractor	665	small tractor JD 1025R + 52" snow blower	2015	27	10
411	2002	F250 3/4 ton 4X4 reg cab	94,211	1 ton truck for sander + snowplow	2016	60	7
412	1994	F350 XL 1 ton dump box	88,632	1 ton truck	2016	50	10
443	2005	Unit 443 + utility box replacement	76,932	3/4 ton extended cab utility box	2016	75	7
453	2003	3/4 ton supercab 4 x 4	180,923	3/4 ton extended cab utility box	2016	75	7
487	2000	Unit 487 + utility box replacement	103,208	3/4 ton extended cab utility box	2016	75	7
4451	2005	Toro 580-D Gang Mower	5,247	large gang mower	2016	85	10
4484	2002	Toro Groundsmaster 325-D	5,160	deck mower 360 4WD no cab	2016	32	10
4490	1989	Toro Sweeper	1,149	ride on sweeper	2016	40	15
4496	2003	Toro Groundsmaster 325-D	3,683	deck mower no cab	2016	32	10
6612	1998	ice resurfacers - gas	3,757	model 525 Zamboni	2016	115	8
6615	2002	ice resurfacers - gas	3,461	model 525 Zamboni	2016	120	8

**JUSTIFICATION:**

- 411 Older unit not heavy enough to carry load of gravel and plow park roads and parking lots.
- 412 Older unit hauls trailers for mowing and fall/spring maintenance
- 419 Older unit is used to haul bobcat, attachments, and trailer for irrigation repairs. Lacks power and has costly repairs. Would consider a second hand unit from auction or other.
- 443 Older unit is used in irrigation for repairs. Existing service box is rusted out and leaks on parts and tools.
- 453 Need newer replacement unit at the cemetery to haul tools for digging graves and installing monuments. Comes with service box and crane unit.
- 487 Older unit is used in irrigation for repairs. Existing service box is rusted out and leaks on parts and tools.
- 4412 Existing trailer was made in the 1950s and is not safety certified and cannot be registered as it has no serial numbers.
- 4416 Existing trailer was made in the 1950s and is not safety certified and cannot be registered as it has no serial numbers.
- 4423 Older unit has exceeded its life expectancy. Repair costs are increasing and not worth investing in older unit. Used in spring and fall for park cleanup of leaves etc.



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**PARKS & RECREATION**

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Parks & Recreation Fleet Replacements	\$ 322	\$ 759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Parks & Recreation Fleet Replacements	-	-	1,315	1,010	930	815	700	175	330	145
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 322</b>	<b>\$ 759</b>	<b>\$ 1,315</b>	<b>\$ 1,010</b>	<b>\$ 930</b>	<b>\$ 815</b>	<b>\$ 700</b>	<b>\$ 175</b>	<b>\$ 330</b>	<b>\$ 145</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 16	\$ 82	\$ 226	\$ 389	\$ 529	\$ 651	\$ 742	\$ 785	\$ 807	\$ 831
Lease cost on retired vehicles / units	5	31	91	157	228	315	398	438	451	471
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 11</b>	<b>\$ 51</b>	<b>\$ 135</b>	<b>\$ 232</b>	<b>\$ 301</b>	<b>\$ 336</b>	<b>\$ 344</b>	<b>\$ 347</b>	<b>\$ 356</b>	<b>\$ 360</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 299	\$ 706	\$ 1,223	\$ 939	\$ 865	\$ 758	\$ 651	\$ 163	\$ 307	\$ 135
Trade In	23	53	92	71	65	57	49	12	23	10
<b>TOTAL FINANCING:</b>	<b>\$ 322</b>	<b>\$ 759</b>	<b>\$ 1,315</b>	<b>\$ 1,010</b>	<b>\$ 930</b>	<b>\$ 815</b>	<b>\$ 700</b>	<b>\$ 175</b>	<b>\$ 330</b>	<b>\$ 145</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**PLANNING, BUILDING & DEVELOPMENT SERVICES**

**EXPECTED REPLACEMENT DATE:** July 1 of 2015 - 2016

**PROJECT MANAGER:** Fleet Superintendent

**JUSTIFICATION:**

- There is a ten year lease applied to each of the vehicles (Units 7231, 7240, 7277, 7258, 7226, 7223, 7227, 7229, and 7232). Lease payout will occur in 2019 and continue through to 2021. Based on serviceability, mileage and vehicle life span (expected high maintenance costs) the vehicles will be due for replacement. Referring to the existing lease fees and a projected vehicle cost (Ford Escape) of \$25,000 each (cost plus inflation of 5% per year) we will actually see a decrease in lease costs and a savings in the yearly budgets. Five of the present units are hybrids which have substantially higher lease costs. It is recommended conventional gas powered vehicles be purchased in the future as fuel savings versus added lease costs does not provide a cost saving. Presently there is fuel savings of approximately \$300 per month and additional lease cost of \$650. This equates to approximately \$4,200 per year in added expences. The budget for fuel costs will obviously have to be increased at that time.
- The lease for Unit 7230 expires in 2015. Vehicle is used by the Business License Inspector during license, enforcement and investigation actions. Propose to extend the life of the vehicle by one year because of the low mileage and good condition. In 2017 the replacement vehicle will be required to go into challenging locations and needs to be an AWD or 4x4 (Ford Escape) with adequate ground clearance for rough terrain.
- The lease for Unit 7003 expires in 2018 and vehicle will need to be replaced with an AWD or 4x4 (Ford Escape) to accommodate Planning Officer construction site visits.
- The lease for Unit 7001 (Ford F250) expires in 2017 and vehicle will need to be replaced with an AWD or 4x4 (Ford Escape) to accommodate Development Engineering construction site visits.

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2024 Vehicle Replacements	\$ -	\$ -	\$ 26	\$ 60	\$ 160	\$ 101	\$ 35	\$ -	\$ -	\$ -
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26</b>	<b>\$ 60</b>	<b>\$ 160</b>	<b>\$ 101</b>	<b>\$ 35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>EFFECT ON OPERATIONS:</b>										
Lease cost of the new replacement vehicles / units	\$ -	\$ -	\$ 2	\$ 7	\$ 19	\$ 34	\$ 42	\$ -	\$ -	\$ -
Lease cost on retired vehicles / units	-	-	2	8	28	50	59	-	-	-
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1)</b>	<b>\$ (9)</b>	<b>\$ (16)</b>	<b>\$ (17)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ -	\$ -	\$ 24	\$ 56	\$ 149	\$ 94	\$ 33	\$ -	\$ -	\$ -
Trade in	-	-	2	4	11	7	2	-	-	-
<b>TOTAL FINANCING:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26</b>	<b>\$ 60</b>	<b>\$ 160</b>	<b>\$ 101</b>	<b>\$ 35</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**POLICE SERVICES**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
Unit 42	2011 Crown Victoria	225,000	2015 Ford Interceptor SUV	\$60	4
Unit 44	2010 Ford Expedition	170,000	2015 Ford Interceptor SUV	\$60	4
Unit 64	2011 Crown Victoria	180,000	2015 Ford Interceptor SUV	\$60	4
Unit 60	2011 Ford Expedition	120,000	2015 Ford Interceptor SUV K-9	\$65	4
Unit 59	2008 Crown Victoria	220,000	2015 Ford Taurus (unmarked)	\$50	7
Unit 62	2007 Buick Allure	110,000	2015 Sedan (unmarked)	\$40	7
Unit 57	2006 Chev Equinox	175,000	2015 SUV (unmarked)	\$45	7
Unit 46	2009 Toyota Camry	115,000	2015 Sedan (unmarked)	\$40	5
Unit 51	2012 Ford Taurus	185,000	2016 Ford Interceptor	\$60	4
Unit 55	2012 Ford Interceptor	100,000	2016 Ford Interceptor (K9)	\$65	4
Unit 41	2009 Crown Victoria	110,000	2016 Ford Taurus	\$50	7
Unit 52	2007 Chev Impala	110,000	2016 Sedan (unmarked)	\$40	7
Unit 80	2007 Dodge Charger	105,000	2016 Sedan (unmarked)	\$40	7
Unit 91	2006 Nissan Altima	175,000	2016 Sedan (unmarked)	\$40	7

	2015 BUDGET	2016 BUDGET	2017 FORECAST	2018 FORECAST	2019 FORECAST	2020 FORECAST	2021 FORECAST	2022 FORECAST	2023 FORECAST	2024 FORECAST
<b>REPLACEMENT COSTS:</b>										
2015 - 2016 Replacement Vehicles	\$ 420	\$ 295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forecast Replacements	-	-	420	520	485	280	390	420	400	125
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 420</b>	<b>\$ 295</b>	<b>\$ 420</b>	<b>\$ 520</b>	<b>\$ 485</b>	<b>\$ 280</b>	<b>\$ 390</b>	<b>\$ 420</b>	<b>\$ 400</b>	<b>\$ 125</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 50	\$ 136	\$ 225	\$ 342	\$ 464	\$ 551	\$ 632	\$ 740	\$ 845	\$ 915
Lease cost on retired vehicles / units	31	84	142	246	366	454	537	642	745	809
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 19</b>	<b>\$ 52</b>	<b>\$ 83</b>	<b>\$ 96</b>	<b>\$ 98</b>	<b>\$ 97</b>	<b>\$ 95</b>	<b>\$ 98</b>	<b>\$ 100</b>	<b>\$ 106</b>
<b>FINANCING:</b>										
Equipment Reserve	\$ 391	\$ 274	\$ 391	\$ 484	\$ 451	\$ 260	\$ 363	\$ 391	\$ 372	\$ 116
Trade In	29	21	29	36	34	20	27	29	28	9
<b>TOTAL FINANCING:</b>	<b>\$ 420</b>	<b>\$ 295</b>	<b>\$ 420</b>	<b>\$ 520</b>	<b>\$ 485</b>	<b>\$ 280</b>	<b>\$ 390</b>	<b>\$ 420</b>	<b>\$ 400</b>	<b>\$ 125</b>

**2015 - 2024 CAPITAL IMPROVEMENT PLAN**  
**Corporate Asset Management - Fleet Services**  
**Replacement Vehicle & Equipment**  
*In thousands of dollars*

**COMMUNITY DEVELOPMENT - TRANSIT**

EXPECTED REPLACEMENT DATE: July 1 of 2015 and 2016

PROJECT MANAGER: Fleet Superintendent

Unit #	Description	Odometer	Replacement Vehicle	Cost	Life (Yr)
746	2005 D40LF New Flyer	1,500,000	2015 40 Ft Low Floor Bus	\$556	10
747	2005 D40LF New Flyer	1,500,000	2015 40 Ft Low Floor Bus	\$556	10
713	2010 Ford Extended Cab 4WD		2016 4WD Truck	\$35	5
714	2011 Ford F550 Reg Cab 4WD		2016 4WD Truck	\$35	5
715	2011 Dodge Caravan		2016 Mini Van	\$35	5
728	2005 Corbeil		2016 Special Transit	\$220	8

**JUSTIFICATION:**

Transit & Special Transit Buses: The replacement of Transit and Special Transit buses is based on both planned life expectancy and evaluation of mechanical condition of the equipment. The units listed for replacement have reached the limit of their cost effective mechanical condition and life cycle.

Trucks: The light duty trucks are Foremen vehicles used to oversee and assist in the maintenance of Transit infrastructure (stops & shelters), health & safety issues and street supervision including on call response and accident investigation.

Vans: The passenger vans are used as Supervisor vehicles to assist in street supervision, on call response, customer service and service reliability by transporting passengers who have missed transfers or are in need of

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
REPLACEMENT COSTS:	BUDGET	BUDGET	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
2015 - 2016 Replacements	\$ 1,112	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017 - 2024 Forecast Replacements	-	-	2,925	2,275	2,005	3,385	1,196	282	634	1,736
<b>2015 TO 2016 COUNCIL APPROVED CAPITAL</b>	<b>\$ 1,112</b>	<b>\$ 325</b>	<b>\$ 2,925</b>	<b>\$ 2,275</b>	<b>\$ 2,005</b>	<b>\$ 3,385</b>	<b>\$ 1,196</b>	<b>\$ 282</b>	<b>\$ 634</b>	<b>\$ 1,736</b>
<b>EFFECT ON OPERATIONS:</b>										
<b>FUTURE LEASE COSTS</b>										
Lease cost of the new replacement vehicles / units	\$ 21	\$ 52	\$ 116	\$ 222	\$ 323	\$ 415	\$ 501	\$ 536	\$ 557	\$ 601
Lease cost on retired vehicles / units	18	51	118	223	303	372	443	480	523	580
<b>NET INCREASE TO LEASE COSTS</b>	<b>\$ 3</b>	<b>\$ 1</b>	<b>\$ (2)</b>	<b>\$ (1)</b>	<b>\$ 20</b>	<b>\$ 43</b>	<b>\$ 58</b>	<b>\$ 56</b>	<b>\$ 34</b>	<b>\$ 21</b>
<b>FINANCING:</b>										
Government Grants	\$ 834	\$ 244	\$ 2,194	\$ 1,706	\$ 1,504	\$ 2,539	\$ 897	\$ 212	\$ 476	\$ 1,302
Equipment Reserve	200	59	527	410	361	609	215	51	114	312
Trade in	78	23	205	159	140	237	84	20	44	122
<b>TOTAL FINANCING:</b>	<b>\$ 1,112</b>	<b>\$ 325</b>	<b>\$ 2,925</b>	<b>\$ 2,275</b>	<b>\$ 2,005</b>	<b>\$ 3,385</b>	<b>\$ 1,196</b>	<b>\$ 282</b>	<b>\$ 634</b>	<b>\$ 1,736</b>