

Equipment Rental



Capital Improvement Program

City of Kirkland 2017 to 2022 Capital Improvement Program Equipment Rental Section

The Equipment Rental section includes all replacement vehicles costing \$50,000 or greater. All replacement vehicles are 100% funded by accumulated reserves in the Equipment Rental Fund. Included in this section is a summary chart listing the vehicles to be replaced over the six-year period of 2017–2022.

The vehicles planned for replacement costing \$50,000 or more are subject to the same process as the entire fleet with respect to replacement standards. In June of each year, each vehicle whose normal accounting life expires in the coming six budget years is examined to determine whether extending its service life beyond the original replacement date is a financially sound decision. Considerations include engine hours, mileage, maintenance history, structural wear, declining resale value, and future intended use of the proposed replacement vehicle. If a determination is made that a vehicle is to be replaced, “right-sizing” of the vehicle for its intended use will be conducted. A vehicle will normally be replaced in kind, and “right-sizing” often results in a lesser cost. Upgraded vehicles for specific functions may require an approved Service Package in order to cover the difference between the replaced vehicle’s Replacement Reserve account and the cost of the proposed replacement vehicle.

Savings are incurred when the operational life of vehicles can be extended beyond their normal accounting life. This is usually due to low engine hours, mileage, or major repairs that have been performed to the vehicle. The vehicles on the six-year CIP schedule are analyzed using these factors and their replacement reserve reflects anticipated normal usage. If a vehicle that has reached its normal accounting life is evaluated to have ongoing functionality, the useful life of that vehicle may be extended.

There are nine vehicles costing in excess of \$50,000 currently scheduled for replacement in 2017. Of the nine vehicles, seven were extended beyond their normal accounting lives due to good condition. These vehicles include F213 and F216 Suburban Command vehicles (extended three years and one year), F317 Aid Vehicle (seven years), F-14 Ford F450 Flatbed (five years), F-16 and F-20 Ford F450 2/3 Dump Bodies (five and one year), and a Ford Tractor (four years). The other two vehicles, which are being replaced on schedule, include F610 Spartan Pumper Fire Truck and T-04 Passenger Bus.

There are twelve vehicles costing in excess of \$50,000 currently scheduled for replacement in 2018. Five of them were extended two years beyond their accounting life including F-19 (F350 Flatbed with crane), U-08 (Bucket Truck), V-03/V-04 (Aquatech Eductors), and P110 (F350 Corrections Van). Another, F218 (Ford F250) was extended one year. The other six are scheduled for normal replacements in 2018.

The extension of operational use for each of these vehicles has been noted in the comments section of the attached chart.



**City of Kirkland
2017-2022 Capital Improvement Program
Vehicle Replacements Over \$50,000**

Fire

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Six Year Total Cost	Comments
				2017	2018	2019	2020	2021	2022		
F213	2006 / Chevrolet Suburban Command	8	6/1/2014	74,192						74,192	Extended 3 Years, Good Condition
F216	2008 / Chevrolet Suburban Command	8	6/1/2016	84,439						84,439	Extended 1 Year, Good Condition
F317	2008 / Ford Road Rescue Aid Vehicle	8	6/1/2010	234,444						234,444	Extended 7 Years, Annexation
F610	1996 / H&W Spartan Pumper	18	6/1/2017	690,698						690,698	On schedule
F218	2009 / Ford F250 Ext. Cab. Custom	8	6/1/2017		61,889					61,889	Extended 1 Year, Good Condition
F219	2010 / Chevrolet Suburban Command	8	6/1/2018		75,848					75,848	On schedule
F318	2010 / Ford Road Rescue Aid Vehicle	8	6/1/2018	242,650						242,650	On schedule
F319	2012 / Ford Road Rescue Aid Vehicle	8	6/1/2020				259,993			259,993	On schedule
F611	2003 / Spartan-H&W Pumper	18	6/1/2021					758,903		758,903	On schedule
F612	2003 / Spartan-H&W Pumper	18	6/1/2021					758,903		758,903	On schedule
F320	2014 / Ford Road Rescue Aid Vehicle	8	6/1/2022						278,511	278,511	On schedule
F321	2014 / Ford Road Rescue Aid Vehicle	8	6/1/2022						278,511	278,511	On schedule
F214	2014 / Chevrolet 3500 Crew Cab (4x4)	8	6/1/2022						57,879	57,879	On schedule
Total Fire Vehicles				1,083,773	380,387	-	259,993	1,517,806	614,901	3,856,860	

Parks & Community Services

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Six Year Total Cost	Comments
				2017	2018	2019	2020	2021	2022		
F-14	2004 / Ford F450 Flatbed	8	6/1/2012	61,538						61,538	Extended 5 Years, Good Condition
F-16	2004 / Ford F450 2/3 Yard Dump Body	8	6/1/2012	58,960						58,960	Extended 5 Years, Good Condition
TR-10	2003 / Ford Ballfield Tractor 5420	10	6/1/2013	50,821						50,821	Extended 4 Years, Good Condition
F-20	2008 / Ford F450 Cr. 2/3 Yd. Dump Body	8	6/1/2016	63,865						63,865	Extended 1 Year, Good Condition
T-04	2007 / Aereotech Passenger Bus	10	6/1/2017	107,996						107,996	On schedule
M-20	2014 / Toro 4010-D Groundsmaster WAM	5	6/1/2019			116,696				116,696	On schedule
M-21	2014 / Toro 5910 Groundsmaster WAM	5	6/1/2019			88,560				88,560	On schedule
M-23	2014 / Toro 360-4WD Groundsmaster	5	6/1/2019			76,930				76,930	On schedule
F-23	2012 / Ford F550XL 2/3 Yd. Dump Body	8	6/1/2020				67,923			67,923	On schedule
M-22	2014 / Toro 4500-D Groundsmaster	6	6/1/2020				76,930			76,930	On schedule
Total Parks & Community Services Vehicles				343,180	-	282,186	144,853	-	-	770,219	

Police

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Five Year Total Cost	Comments
				2017	2018	2019	2020	2021	2022		
P110	2011 / Ford F350 Corrections Van	5	6/1/2016		118,991					118,991	Extended 2 Years, Due to KJC
P06-99	2006 / Chevrolet 5C5 Special Response	10	6/1/2016				259,223			259,223	Extended 2 Years, Low Mileage
-	Existing Patrol Vehicle	3	-	below \$50K			51,629			51,629	Will Replace 2017 Model Year
-	Existing Patrol Vehicle	3	-	below \$50K			51,629			51,629	Will Replace 2017 Model Year
-	Existing Patrol Vehicle	3	-	below \$50K			51,629			51,629	Will Replace 2017 Model Year
-	Existing Patrol Vehicle	3	-	below \$50K			51,629			51,629	Will Replace 2017 Model Year
-	Existing Patrol Vehicle	3	-	below \$50K	below \$50K			53,436		53,436	Will Replace 2018 Model Year
-	Existing Patrol Vehicle	3	-	below \$50K	below \$50K			53,436		53,436	Will Replace 2018 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,306	55,306	Will Replace 2019 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,036	55,036	Will Replace 2019 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,036	55,036	Will Replace 2019 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,036	55,036	Will Replace 2019 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,306	55,306	Will Replace 2019 Model Year
-	Existing Patrol Vehicle	3	-			below \$50K			55,306	55,306	Will Replace 2019 Model Year
Total Police Vehicles				-	118,991	-	465,739	106,872	331,026	1,022,628	

Public Works

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Five Year Total Cost	Comments
				2017	2018	2019	2020	2021	2022		
F-19	2008 / Ford Flat Bed F350 w/crane	8	6/1/2016		73,028					73,028	Extended 2 Years, Good Condition
U-08	2006 / International Bucket Truck	10	6/1/2016		231,933					231,933	Extended 2 Years, Good Condition
V-03	2006 / International Aquatech Eductor	10	6/1/2016		413,366					413,366	Extended 2 Years, Good Condition
V-04	2006 / International Aquatech Eductor	10	6/1/2016		413,366					413,366	Extended 2 Years, Good Condition
S-06	2011 / Ford Tymco Sweeper	7	6/1/2018		236,769					236,769	On schedule
S-07	2011 / Ford Tymco Sweeper	7	6/1/2018		236,769					236,769	On schedule
S-08	2011 / Ford Tymco Sweeper	7	6/1/2018		236,769					236,769	On schedule
TR-11	2008 / Case Backhoe 580SM (4x4)	10	6/1/2018		130,365					130,365	On schedule
L-02	2007 / Case 621D Loader	10	6/1/2021			148,851				148,851	Extended 2 Years, Good Condition
D-01	2006 / International Dumptruck 5 Yd.	12	6/1/2019			169,389				169,389	Extended 1 Year, Good Condition
D-02	2006 / International Dumptruck 5 Yd.	12	6/1/2019			169,389				169,389	Extended 1 Year, Good Condition
D-03	2006 / International Dumptruck 5 Yd.	12	6/1/2019			169,389				169,389	Extended 1 Year, Good Condition
TR-12	2009 / Case Backhoe SuperM (4x2)	10	6/1/2019			119,400				119,400	On schedule
D-09	2008 / Peterbilt Dump Truck 10 Yard	12	6/1/2020				250,433			250,433	On schedule
M-14	2010 / John Deere Tiger Roadside Mower	7	6/1/2017				136,588			136,588	On schedule
M-14	2010 / J. Deere Tiger Roadside Mower	10	6/1/2020				136,588			136,588	On schedule
F-21	2011 / Ford F550 2/3 Yard Dump Body	10	6/1/2021					102,796		102,796	On schedule
F-22	2011 / Ford F550 2/3 Yard Dump Body	10	6/1/2021					102,796		102,796	On schedule
R-04	2011 / Hamm Vibratory Roller	10	6/1/2021					53,451		53,451	On schedule
TH-01	2006 / Caterpillar 314C LCR Excavator	15	6/1/2021					160,568		160,568	On schedule
TH-02	2011 / Bobcat E50 Excavator w/Attach.	10	6/1/2021					101,573		101,573	On schedule
M-17	2012 / John Deere Tiger Roadside Mower	10	6/1/2022					187,373		187,373	On schedule
PU-104	2012 / Ford F550XL Crew 4x2 Utility Body	10	6/1/2022					84,349		84,349	On schedule
V-05	2012 / Vacor Eductor Truck	10	6/1/2022					555,825		555,825	On schedule
Total Public Works Vehicles				-	1,972,366	776,418	523,609	621,184	827,547	4,621,124	

Total All Vehicles				1,426,953	2,471,744	1,058,604	1,394,194	2,145,862	1,773,474	10,270,831	
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