

GUIDELINE # 1000.7 (R7/11)

**VEHICLE REPLACEMENT PLAN – PAYMENT SCHEDULE FISCAL YEAR
2011/12 TO 2035/36**

Purpose:

To ensure that vehicles serving the community are reliable and provide for the safety of personnel this regulation will outline the District's apparatus replacement guidelines as recommended in NFPA 1901, Standard for Automotive Fire Apparatus.

Policy:

Each year the Assistant Chief of Operations shall conduct a survey of the District's vehicles and make adjustments to this regulation regarding the replacement of vehicles dependent upon frequency of use, maintenance cost, mileage, engine hours and years of service. However, to ensure the safest and most efficient use of District resources, the following apparatus replacement guidelines shall be the standard practice:

- A. Starting in Fiscal Year 1992/93 aerial ladder apparatus shall be placed on a 20 year replacement cycle.
- B. Starting in Fiscal Year 2004/05 fire pumping apparatus shall be placed on a 15 year replacement cycle.
- C. Starting in Fiscal Year 2012/13 4x4 utility pick-ups shall be placed on a 15 year replacement cycle.
- D. Starting in Fiscal Year 2014/15 one squad will be purchased this year and replaces every 7 years thereafter, in Fiscal Year 2016/17 another squad will be purchased and replaced every 7 years thereafter.
- E. The Assistant Chief's vehicles shall be placed on a 10 year replacement cycle starting in Fiscal Year 2017/18.
- F. The brush fire skid unit shall be evaluated yearly and replaced, as needed.
- G. The Chief's vehicle shall be placed on an 10 year replacement cycle starting in Fiscal Year 2015/16.
- H. The tanker shall be evaluated yearly and replaced, as needed.

Vehicle Replacement Plan – 25 Years

● The following identifies the District’s vehicle replacement policy as outlined above for the current fleet. Vehicle cost is increased at a rate of 3.5% a year based on the original cost of the vehicle.

Fiscal Year:	Unit Identification #:	Approximate Cost:	Remark(s):
2012/13	1301-L (710)	\$825,600.00	Replaces 9301-L (710) & 9801-E (703)
2012/13	1301-B (717)	\$52,500.00	Replaces 9701-U (740), 0201-C (718), & 0401-B (717)
2014/15	1501-S	\$126,006.46	Replaces 0701-S
2016/17	1701-S	\$132,306.78	Replaces 0702-S
2016/17	1701-C (725)	\$34,375.00	Replaces 0601-C (725)
2017/18	1801-C (726)	\$35,234.38	Replaces 0701-C (726)
2017/18	1802-C (728)	\$35,234.38	Replaces 0702-C (728)
2019/20	2001-E	\$471,741.97	Replaces 0501-E
2019/20	2002-E	\$471,741.97	Replaces 0502-E
2021/22	2201-S	\$148,845.12	Replaces 1501-S
2023/24	2401-S	\$156,287.37	Replaces 1701-S
2026/27	2701-B (717)	\$76,250.00	Replaces 1301-B (717)
2026/27	2701-C (725)	\$34,375.00	Replaces 1701-C (725)
2027/28	2801-C (726)	\$44,042.97	Replaces 1801-C (726)
2027/28	2802-C (728)	\$44,042.97	Replaces 1802-C (728)
2028/29	2901-S	\$175,823.29	Replaces 2201-S
2030/31	3101-S	\$184,614.45	Replaces 2401-S
2032/33	3301-L (710)	\$1,238,400.00	Replaces 1301-L (710)
2034/35	3501-E	\$719,406.50	Replaces 2001-E
2034/35	3502-E	\$719,406.50	Replaces 2002-E
2035/36	3601-S	\$207,691.25	Replaces 2901-S

Vehicle Replacement Plan – Payment Schedule – 25 Years

• The following outlines the District’s financial commitment to the Vehicle Replacement Plan. The amount of money that should be budgeted each year is identified in the “Budgeted Deposit” category; it is increased at a rate of 10% in FY 2012/13 & 2013/14, 5% from FY 2014/15 to 2019/20, reset to \$225,000 in FY 2020/21 and increased at a rate of .15% from 2021/22 to the end of the plan period. The vehicle trade-in credit is only taken out 10 years, as trade-in values change from year to year. Loan payments are outlined at the end of this section.

Fiscal Year:	Beginning Balance:	Budgeted Deposit:	Trade-In Credit:	Total Loan Payment:	Total One-Time Payment:	Ending Balance:
2011/12	\$123,005.88	\$135,000.00				\$258,005.88
2012/13	\$258,005.88	\$148,500.00	\$100,000.00	\$157,493.03 ¹	\$52,500.00	\$296,512.85
2013/14	\$296,512.85	\$163,350.00		\$157,493.03 ¹		\$302,369.82
2014/15	\$302,369.82	\$171,517.50	\$17,500.00	\$157,493.03 ¹	\$126,006.46	\$207,887.83
2015/16	\$207,887.83	\$180,093.38		\$157,493.03 ¹	\$36,300.00	\$194,188.18
2016/17	\$194,188.18	\$189,098.04	\$12,500.00	\$157,493.03 ¹	\$132,306.78	\$105,986.41
2017/18	\$105,986.41	\$198,552.95		\$157,493.03 ¹	\$76,956.00	\$70,090.32
2018/19	\$70,090.32	\$208,480.59				\$278,570.92
2019/20	\$278,570.92	\$218,904.62	\$50,000.00	\$179,980.79 ²		\$367,494.75
2020/21	\$367,494.75	\$225,000.00		\$179,980.79²		\$412,513.96
2021/22	\$412,513.96	\$225,337.50		\$179,980.79 ²	\$236,931.06	\$220,939.61
2022/23	\$220,939.61	\$225,675.51		\$179,980.79 ²		\$266,634.33
2023/24	\$266,634.33	\$226,014.02		\$179,980.79 ²	\$156,287.37	\$156,380.19
2024/25	\$156,380.19	\$226,353.04		\$179,980.79 ²		\$202,752.44
2025/26	\$202,752.44	\$226,692.57			\$49,251.84	\$380,193.17
2026/27	\$380,193.17	\$227,032.61			\$76,250.00	\$530,975.78
2027/28	\$530,975.78	\$227,373.16			\$104,413.90	\$653,935.03
2028/29	\$653,935.03	\$227,714.22			\$175,823.29	\$705,825.96
2029/30	\$705,825.96	\$228,055.79				\$933,881.75
2030/31	\$933,881.75	\$228,397.87			\$184,614.45	\$977,665.17
2031/32	\$977,665.17	\$228,740.47				\$1,206,405.64
2032/33	\$1,206,405.64	\$229,083.58			\$1,238,400.00	\$197,089.22
2033/34	\$197,089.22	\$229,427.21				\$426,516.43
2034/35	\$426,516.43	\$229,771.35		\$274,470.51 ³		\$381,817.26
2035/36	\$381,817.26	\$230,116.00		\$274,470.51 ³	\$274,516.15	\$62,946.61

1. Beginning in Fiscal Year 2012/13 the District should finance the cost of a new aerial ladder apparatus for 6 years. Using current interest rates, the rate for the 6 years would be 4%. The annual payment for the new aerial ladder apparatus would be \$157,493.03 based on financing \$825,600.00.
2. Beginning in Fiscal Year 2019/20 the District should finance the cost of the 2 new fire pumping apparatus for 6 years. Using current interest rates, the rate for the 6 years would be 4%. The annual payment for the new aerial ladder apparatus would be \$179,980.79 based on financing \$943,483.94
3. Beginning in Fiscal Year 2034/35 the District should finance the cost of the 2 new fire pumping apparatus for 6 years. Using current interest rates, the rate for the 6 years would be 4%. The annual payment for the new aerial ladder apparatus would be \$274,470.51 based on financing \$1,438,813.00.

Current Vehicle Fleet – December 31, 2010

Year:	Inventory ID #:	County ID #:	Make:	Model:	Resource Type:	Mileage:	Engine Hours:
1990	9001-T	BLT721	Ford/Summit	L8000	Tanker	9,066.7	1,636.8
1992	9301-L	BLL710	Seagrave	LR-56DH	Ladder	27,621.0	3,171.0
1997	9701-U	BLC740	Dodge	Ram 1500	Multi-Purpose	56,883	
1998	9801-E	BLE703	Freightliner/Pierce	FL80	Engine	18,527.5	2,231.6
2002	0201-C	BLU718	Chevrolet	Tahoe	Multi-Purpose	72,949.0	
2004	0401-B	BLB717	Ford/Welsh	F550	Multi-Purpose	7,380.5	
2005	0501-E	BLE701	E-One	Typhoon	Engine	25,141.0	2,692.8
2005	0502-E	BLE702	E-One	Typhoon	Engine	19,625.0	1,962.0
2006	0601-C	BLC725	Ford	Expedition	Staff	28,028.0	
2006	Gator	Gator	John Deere	Gator	Multi-Purpose		153.4
2007	0701-S	BLS714	GMC/Horton	L4500/III	Squad	36,236.0	2,678.8
2007	0702-S	BLS715	GMC/Horton	L4500/III	Squad	39,456.0	2,913.0
2007	0701-C	BLC726	Ford	Explorer	Staff	16,888.0	
2007	0702-C	BLC728	Ford	Explorer	Staff	31,302.0	