

AGENDA ITEM 1E
Consent Item

MEMORANDUM

DATE: April 7, 2022
TO: El Dorado County Transit Authority
FROM: Brian James, Planning and Marketing Manager
SUBJECT: Vehicle Replacement Plan for Fiscal Years 2021/22 Through 2027/28

REQUESTED ACTION:

BY MOTION,

Approve Vehicle Replacement Plan for Fiscal Years 2021/22 through 2027/28

BACKGROUND

The El Dorado County Transit Authority (El Dorado Transit) adopted a *Vehicle Replacement Policy* on February 6, 1997 based on Caltrans and Federal Transit Administration (FTA) guidelines. El Dorado Transit is required to utilize FTA guidelines for replacement vehicles purchased through FTA capital assistance grant programs. A copy of the Vehicle Replacement Policy is included for reference. This policy is critical for budget forecasting, vehicle inventory management and developing capital assistance grants.

DISCUSSION

The Replacement Plan for Fiscal Year (FY) 2021/22 through FY 2027/28 represents a plan for replacement of current fleet vehicles contingent upon available capital revenues and grant opportunities. The inclusion of Zero Emission Bus (ZEB) requirements will increase the estimated replacement costs for Local Fixed Route and Commuter buses. Zero emission cutaway buses and vans are still in development, and costs will be updated once available.

FISCAL IMPACT

The approximate replacement cost for anticipated vehicle purchases FY 2021/22 through FY 2027/28 is \$10,588,000 including a 3% annual cost escalator. Individual replacement projects are added to the CIP on an annual basis and brought before the Board for review and approval as needed.

PROPOSED VEHICLE REPLACEMENT PLAN

April 2022



Vehicle #	Vehicle Type	Vehicle Description	Vehicle Replacement Cost	Mileage as of 3/4/22	FY 2021/22	FY 2022/23	FY 2023/24	FY 2024/25	FY 2025/26	FY 2026/27	FY 2027/28
Staff Vehicles											
9509	Ford Escort	Maint Vehicle	\$25,000	75,721							
0501	Honda Civic	5 psgr staff car	\$25,000	72,578			X				
0602	Blue Bird Xcel 45	Training bus	\$600,000	302,676							
0701	Chevy Malibu	5 psgr staff car	\$25,000	59,831			X				
0702	Dodge Dakota	Maint Vehicle	\$35,000	78,553	X						
M-7055	Ford Box Van	Maint Vehicle	\$50,000	29,769							
1608	Ford Cmax	5 psgr staff car	\$25,000	42,125							
1609	Ford Cmax	5 psgr staff car	\$25,000	44,296							
1610	Ford Cmax	5 psgr staff car	\$25,000	45,587							
1611	Ford Cmax	5 psgr staff car	\$25,000	38,513							
1707	Chevy Traverse	7 psgr staff car	\$30,000	20,361							
Demand Response Minivans											
1304	Dodge Caravan	3 psgr mini-van	\$71,000	193,915	X						
1501	Dodge Caravan	3 psgr mini-van	\$71,000	168,611			X				
1502	Dodge Caravan	3 psgr mini-van	\$71,000	124,236			X				
1503	Dodge Caravan	3 psgr mini-van	\$71,000	104,399			X				
1504	Dodge Caravan	3 psgr mini-van	\$71,000	106,162			X				
1907	Dodge Caravan	3 psgr mini-van	\$71,000	48,191					X		
1908	Dodge Caravan	3 psgr mini-van	\$71,000	43,010					X		
1909	Dodge Caravan	3 psgr mini-van	\$71,000	42,510					X		
1910	Dodge Caravan	3 psgr mini-van	\$71,000	403					X		
1911	Dodge Caravan	3 psgr mini-van	\$71,000	213					X		
Demand Response Buses											
0901	Chevy Cut-a-way	26 psgr bus	\$120,000	317,367							
0903	Chevy Cut-a-way	26 psgr bus	\$120,000	301,437							
1601	Ford Cut-a-way	26 psgr bus	\$120,000	76,602					X		
1602	Ford Cut-a-way	26 psgr bus	\$120,000	126,129					X		
1603	Ford Cut-a-way	26 psgr bus	\$120,000	128,996					X		
1604	Ford Cut-a-way	26 psgr bus	\$120,000	95,589					X		
1605	Ford Cut-a-way	26 psgr bus	\$120,000	111,400					X		
1607	Ford Cut-a-way	26 psgr bus	\$120,000	80,631					X		
1901	Ford Cut-a-way	20 psgr bus	\$120,000	5,154							
1902	Ford Cut-a-way	20 psgr bus	\$120,000	4,527							
1903	Ford Cut-a-way	20 psgr bus	\$120,000	4,407							
1904	Ford Cut-a-way	20 psgr bus	\$120,000	4,045							
1905	Ford Cut-a-way	20 psgr bus	\$120,000	4,746							
1906	Ford Cut-a-way	26 psgr bus	\$120,000	2,263							
Motor Buses - Local Fixed Route											
0606	Blue Bird Xcel 37	37 psgr bus	\$750,000	257,724							
0607	Blue Bird Xcel 37	37 psgr bus	\$750,000	357,342							
0608	Blue Bird Xcel 37	37 psgr bus	\$750,000	316,514							
1701	Gillig 35' Low Floor	31 psgr bus	\$750,000	237,758							
1702	Gillig 35' Low Floor	31 psgr bus	\$750,000	238,232							
1703	Gillig 35' Low Floor	31 psgr bus	\$750,000	125,800							
1704	Gillig 35' Low Floor	31 psgr bus	\$750,000	252,771							
1705	Gillig 35' Low Floor	31 psgr bus	\$750,000	266,708							
1706	Gillig 35' Low Floor	31 psgr bus	\$750,000	267,584							
2001	Gillig 35' Low Floor	31 psgr bus	\$750,000	72,826							
2002	Gillig 35' Low Floor	31 psgr bus	\$750,000	56,783							
2003	Gillig 35' Low Floor	31 psgr bus	\$750,000	55,853							
2004	Gillig 35' Low Floor	31 psgr bus	\$750,000	53,598							
Commuter Buses											
1001	MCI D4500	57 psgr bus	\$900,000	398,187					X		
1002	MCI D4500	57 psgr bus	\$900,000	389,478					X		
1003	MCI D4500	57 psgr bus	\$900,000	365,099					X		
1004	MCI D4500	57 psgr bus	\$900,000	342,050					X		
1005	MCI D4500	57 psgr bus	\$900,000	334,594					X		
1006	MCI D4500	57 psgr bus	\$900,000	436,144					X		
1007	MCI D4500	57 psgr bus	\$900,000	408,392					X		
1008	MCI D4500	57 psgr bus	\$900,000	339,718					X		
1009	MCI D4500	57 psgr bus	\$900,000	413,975					X		
1202	MCI D4500	57 psgr bus	\$900,000	256,572							X
1401	MCI D4500	57 psgr bus	\$900,000	200,770							
1801	MCI D4500	57 psgr bus	\$900,000	129,497							
1802	MCI D4500	57 psgr bus	\$900,000	115,091							
1803	MCI D4500	57 psgr bus	\$900,000	102,548							
1804	MCI D4500	57 psgr bus	\$900,000	124,152							
1805	MCI D4500	57 psgr bus	\$900,000	108,254							

EL DORADO COUNTY TRANSIT AUTHORITY

VEHICLE REPLACEMENT POLICY

This policy provides that transit vehicles are maintained and remain in mass transit use for their normal service lives. Compliance with this policy will be assurance that El Dorado County Transit Authority meets the Federal guidelines and is eligible for projects programmed for capital assistance offered by the Federal Transportation Administration.

Service life of rolling stock begins on the date the vehicle is placed in revenue service and continues until it is removed from service.

Bus Requirements

- (a) Minimum Normal Service Life. Minimum normal service lives for buses are stated below:
1. Standard size heavy duty (approximately 35' – 40') transit buses: at least twelve (12) years service or an accumulation of at least 500,000 miles.
 2. Medium size heavy duty (approximately 30') transit buses: at least ten (10) years of service or an accumulation of at least 350,000 miles.
 3. Small medium duty (under 30') transit buses: at least seven (7) years or an accumulation of at least 200,000 miles.
 4. Other vehicles such as regular and specialized vans: at least four years service or an accumulation of at least 100,000 miles.

Source: CalTrans, UMTA C 9030.1A

- (b) Previously Owned, Rehabilitated Buses and Specialty Vehicles:

Fleet vehicles purchased as "previously owned", rehabilitated and Specialty vehicles shall have the maintenance records reviewed and the vehicle inspected bi-annually to determine safety and maintenance costs. The El Dorado County Transit Authority Director or his/her designated staff shall determine the replacement schedule on these vehicles.