

Transit Asset Management

Transit Asset Management Measures

The performance measures assess the condition in which a capital asset can operate at a full level of performance. A capital asset is in a state of good repair when that asset (Map-21 §625.41):

1. Can perform its designated function
2. Does not pose a known unacceptable safety risk
3. Its lifecycle investments must have been met or recovered

For age-based assets, the target represents the percentage of assets per class that exceed the CDTA-defined expected useful life (EUL). To reflect CDTA’s operational experience and policy for fixed asset depreciation and capitalization, CDTA has opted to utilize EUL in place of the default useful life benchmark (ULB). These targets will be used in capital planning to highlight where additional investment is needed.

Rolling Stock

The performance measure for rolling stock is the percentage of revenue vehicles within an asset class that have either met or exceeded their EUL.

Asset	ULB Category	EUL (Years)	ULB (Years)
Bus - Small Bus (20-25 foot)	MB	5	10
Bus - Large Bus (40 foot)	BU	12	14
Bus - Hybrid (40 foot)	BU	12	14
Bus - Large Bus (30 foot)	BU	10	14
Bus - BRT	BU	12	14
Bus - Medium Bus (26-29 foot)	CU	7	10
Bus - Hybrid (30 foot)	BU	10	14
Bus - Articulated (60 foot)	AB	12	14
Bus - Commuter Service (40-45 foot)	BR	12	14
Trolley	TB	10	13

Equipment

The performance measure for non-revenue, support-services, and maintenance vehicles is the percentage of those vehicles that have either met or exceeded their EUL.

Asset	ULB Category	EUL (Years)	ULB (Years)
Car/Van/SUV	AO	5	8
Truck - (1) Light Duty	AO	5	8
Truck - (2) Medium Duty	AO	7	8
Truck - (3) Heavy Duty	AO	10	8
Truck - (4) Heavy Heavy Duty	AO	12	8

Facilities

The facilities are rated to FTA’s Transit Economic Requirements Model (TERM) – Lite scale of 1 (poor) to 5 (excellent). The performance target represents the percentage of assets related below a 3.

CDTA owns six (6) facilities, including:

1. Albany Transportation Building (110 Watervliet Ave)
2. Albany Planning & Marketing building (85 Watervliet Ave)
3. Troy Transportation Building
4. Schenectady Transportation Building
5. Rensselaer Rail Station
6. Saratoga Rail Station

Note: “Infrastructure” is not included as a major asset class because CDTA does not own any rail fixed-guideway track, signals, or other systems.

Transit Asset Management Targets

Performance Measure	What it Evaluates	Target (EUL)
Rolling Stock: Percentage of revenue vehicles within an asset class that have either met or exceeded their EUL		
Bus - Small Bus (20-25 foot)	State of Good Repair	10%
Bus - Large Bus (40 foot)	State of Good Repair	10%
Bus - Hybrid (40 foot)	State of Good Repair	10%
Bus - Large Bus (30 foot)	State of Good Repair	10%
Bus - BRT	State of Good Repair	10%
Bus - Medium Bus (26-29 foot)	State of Good Repair	10%
Bus - Hybrid (30 foot)	State of Good Repair	10%
Bus - Articulated (60 foot)	State of Good Repair	10%
Bus - Commuter Service (40-45 foot)	State of Good Repair	10%
Trolley	State of Good Repair	10%
Equipment: Percentage of non-revenue vehicles that have either met or exceeded their EUL		
Truck - (3) Heavy Duty	State of Good Repair	20%
Car/Van/SUV	State of Good Repair	20%
Truck - (1) Light Duty	State of Good Repair	20%
Truck - (2) Medium Duty	State of Good Repair	20%
Truck - (4) Heavy Heavy Duty	State of Good Repair	20%
Facilities: Percent of facilities with a condition rating below 3.0 on the TERM Lite (1 - 5) scale		
Administration & Maintenance	Condition	15%