Los Angeles County Transit Operations

Updated Select Operating Statistics

Bus/Light Rail/Heavy Rail

Measure M Taxpayer Oversight Committee

Sept 2021

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Excellence in Service and Support

Measuring Transit Operations

Objective:

Provide a revised baseline comparison of Los Angeles County Transit Operators and Metro within a modal group of peers, using National Transit Database (NTD) information, to identify and benchmark:

- Costs of Operations
- Service Delivery
- Statistical Measures of Cost and Service Efficiencies

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Measuring Transit Operations

Los Angeles County Operators
(Excluding LA Metro)

RANKING OF MUNICIPAL OPERATORS IN EFFECTIVENESS
(OPERATING DOLLARS PER UNIT OF SERVICE - Passenger Related)
See Tables by Year Using National Transit Database Agency Profiles

	Agency	Ranking By Year				Overall
		2016	2017	2018	2019	
Most	Long Beach Transit	1	1	1	1	1.0
	City of Culver City	2	2	2	3	2.3
	City of Los Angeles	3	5	4	2	3.5
	City of Montebello	5	3	3	4	3.8
NTD Effeciency Measures	City of Pasadena	6	4	5	6	5.3
	City of Santa Monica	4	6	6	5	5.3
	City of Glendale	7	8	8	7	7.5
	City of Torrance	9	7	7	11	8.5
	City of Gardena	8	12	9	8	9.3
	City of Santa Clarita	12	11	10	9	10.5
	Foothill Transit	13	9	11	10	10.8
	Antelope Valley Transit Authority	11	10	12	13	11.5
Least	City of Commerce	10	13	13	12	12.0
	City of Norwalk	14	14	14	14	14.0
	City of Redondo Beach	15	15	15	15	15.0

Based on a average ranking of:

Costs Per Passenger Mile & Trip; Trips Per Service Mile & Hour

RANKING OF MUNICIPAL OPERATORS IN EFFECIENCY
(OPERATING DOLLARS PER UNIT OF SERVICE - Service Volume)
See Tables by Year Using National Transit Database Agency Profiles

	Agency	Ranking By Year				Overall
		2016	2017	2018	2019	
Most	City of Pasadena	1	1	1	1	1.0
	Foothill Transit	2	2	5	3	3.0
	City of Redondo Beach	3	3	4	4	3.5
	City of Glendale	4	4	3	5	4.0
NTD Effeciency Measures	City of Santa Clarita	8	5	6	2	5.3
	Antelope Valley Transit Authority	5	8	2	7	5.5
	City of Commerce	7	7	8	6	7.0
	City of Montebello	9	6	7	9	7.8
	City of Los Angeles	6	9	9	8	8.0
	City of Norwalk	11	10	10	10	10.3
	Long Beach Transit	10	11	11	11	10.8
	City of Culver City	12	13	13	13	12.8
Least	City of Gardena	13	14	14	12	13.3
	City of Torrance	14	12	12	15	13.3
	City of Santa Monica	15	15	15	14	14.8

Based on a average ranking of:

Operating Costs per Service Mile & Service Hour

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Measuring Transit Operations

Comparison of Average Effectiveness Ranking to Average Efficiency Ranking

Agency	Effectiveness	Efficiency
Long Beach Transit	1.0	10.8
City of Culver City	2.3	12.8
City of Los Angeles	3.5	8.0
City of Montebello	3.8	7.8
City of Pasadena	5.3	1.0
City of Santa Monica	5.3	14.8
City of Glendale	7.5	4.0
City of Torrance	8.5	13.3
City of Gardena	9.3	13.3
City of Santa Clarita	10.5	5.3
Foothill Transit	10.8	3.0
Antelope Valley Transit Authority	11.5	5.5
City of Commerce	12.0	7.0
City of Norwalk	14.0	10.3
City of Redondo Beach	15.0	3.5

Data appears to demonstrate either a negative or neutral correlation between measures of Cost Efficiency and Service Effectiveness

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Measuring Transit Operations – Bus Operations

RANKING OF Metro Peer Motor Bus Operators in Effectiveness
National Transit Database Agency Profiles

	Measures of Service Effectiveness	2016	2017	2018	2019	Average Rank
1	LA Metro	1	1	1	1	1
2	Metropolitan Atlanta Rapid Transit Authority	3	2	2	2	2.25
3	Maryland Transit Administration	2	3	3	4	3
4	Denver Regional Transportation District	4	4	4	3	3.75
5	Dallas Area Rapid Transit	5	5	5	5	5

Based on a average ranking of:
Costs Per Passenger Mile & Trip; Trips Per Service Mile & Hour

RANKING OF Metro Peer Motor Bus Operators in Efficiency
National Transit Database Agency Profiles

	Measures of Service Efficiency	2016	2017	2018	2019	Average Rank
1	Metropolitan Atlanta Rapid Transit Authority	3	1	1	1	1.5
2	Dallas Area Rapid Transit	1	3	2	2	2
3	Denver Regional Transportation District	2	2	3	3	2.5
4	Maryland Transit Administration	4	4	4	4	4
5	LA Metro	5	5	5	5	5

Based on a average ranking of:
Operating Costs per Service Mile & Service Hour

	Combined Average Rankings	Effectiveness	Efficiency
1	LA Metro	1	5
2	Metropolitan Atlanta Rapid Transit Authority	2.25	1.5
3	Maryland Transit Administration	3	4
4	Denver Regional Transportation District	3.75	2.5
5	Dallas Area Rapid Transit	5	2

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Measuring Transit Operations – Light Rail

RANKING OF Metro Peer Light Rail Operators in Effectiveness
National Transit Database Agency Profiles

	Measures of Service Effectiveness	2016	2017	2018	2019	Average Rank
1	San Diego Metropolitan Transit System	1	1	1	1	1
2	LA Metro	2	2	2	3	2.25
3	Dallas Area Rapid Transit	3	3	4	2	3
4	Denver Regional Transportation District	3	3	3	4	3.25
5	Maryland Transit Administration	5	5	5	5	5

Based on a average ranking of:
Costs Per Passenger Mile & Trip; Trips Per Service Mile & Hour

RANKING OF Metro Peer Light Rail Operators in Efficiency
National Transit Database Agency Profiles

	Measures of Service Efficiency	2016	2017	2018	2019	Average Rank
1	Denver Regional Transportation District	2	1	1	1	1.25
2	San Diego Metropolitan Transit System	1	2	2	2	1.75
3	Maryland Transit Administration	3	3	3	3	3
4	Dallas Area Rapid Transit	4	4	4	4	4
5	LA Metro	5	5	5	5	5

Based on a average ranking of:
Operating Costs per Service Mile & Service Hour

	Combined Average Rankings	Effectiveness	Efficiency
1	San Diego Metropolitan Transit System	1	1.75
2	LA Metro	2.25	5
3	Dallas Area Rapid Transit	3	4
4	Denver Regional Transportation District	3.25	1.25
5	Maryland Transit Administration	5	3

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Measuring Transit Operations – Heavy Rail

RANKING OF Metro Peer Heavy Rail Operators in Effectiveness
National Transit Database Agency Profiles

	Measures of Service Effectiveness	2016	2017	2018	2019	Average Rank
1	Metropolitan Atlanta Rapid Transit Authority	1	1	1	1	1
2	LA Metro	1	2	2	2	1.75
3	Port Authority Transit Corporation	3	3	3	3	3
4	Miami-Dade Transit	3	4	4	3	3.5
5	Maryland Transit Administration	5	5	5	4	4.75

Based on a average ranking of:
Costs Per Passenger Mile & Trip; Trips Per Service Mile & Hour

RANKING OF Metro Peer Heavy Rail Operators in Efficiency
National Transit Database Agency Profiles

	Measures of Service Efficiency	2016	2017	2018	2019	Average Rank
1	Metropolitan Atlanta Rapid Transit Authority	1	1	1	1	1
2	Maryland Transit Administration	1	2	4	4	2.75
3	Miami-Dade Transit	3	3	2	3	2.75
4	Port Authority Transit Corporation	4	4	3	2	3.25
5	LA Metro	5	5	5	5	5

Based on a average ranking of:
Operating Costs per Service Mile & Service Hour

	Combined Average Rankings	Effectiveness	Efficiency
1	Metropolitan Atlanta Rapid Transit Authority	1	1
2	LA Metro	1.75	5
3	Port Authority Transit Corporation	3	3.25
4	Miami-Dade Transit	3.5	2.75
5	Maryland Transit Administration	4.75	2.75

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Next Steps

- Update and include Operating Comparisons for FY 20 when available

- Determine next layer of analytics for Committee Review

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