

samTrans

Ridership: Short Term Responses

Board of Directors
Study Session
October 11, 2016


San Mateo

Ridership




samTrans

Multi-modal services for our customers



Shuttles



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Ridership

The logo for samTrans, featuring the text "samTrans" in a sans-serif font above a stylized graphic of a bus with red and blue horizontal stripes.

Mission: To supply the public with a high-quality, safe and efficient transportation system that should enhance quality of life by increasing access and mobility, reducing congestion, improving the environment and promoting economic vitality.

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Ridership

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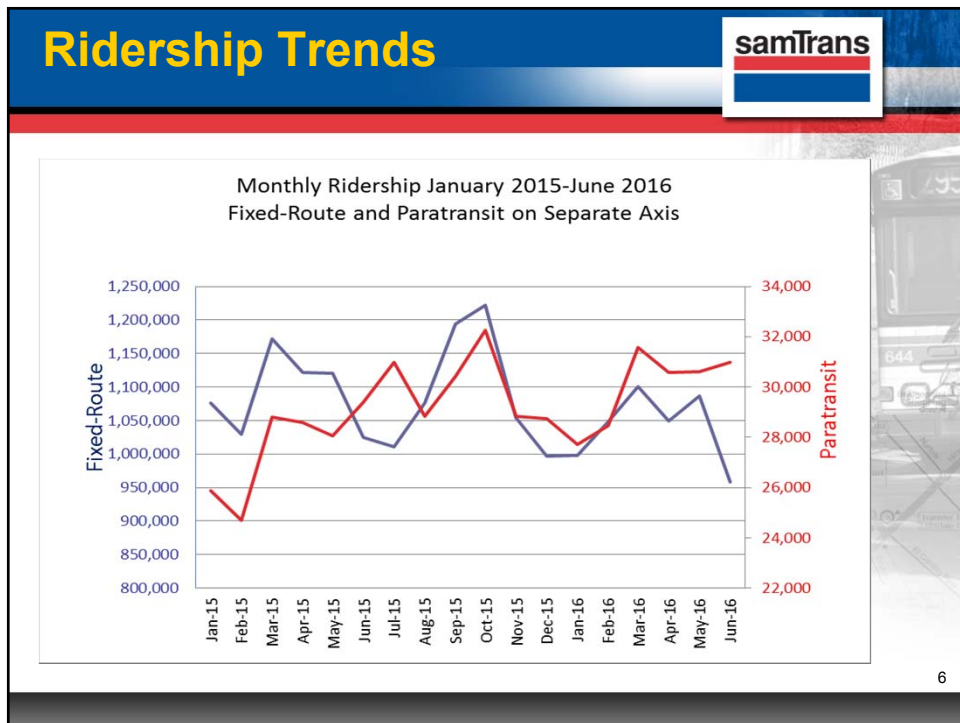
Vision: The District is a mobility leader, providing transportation choices and a sustainable future that meets the needs of our diverse communities.

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Ridership samTrans

- **What ridership trends has the District experienced in the last year?**

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Ridership samTrans

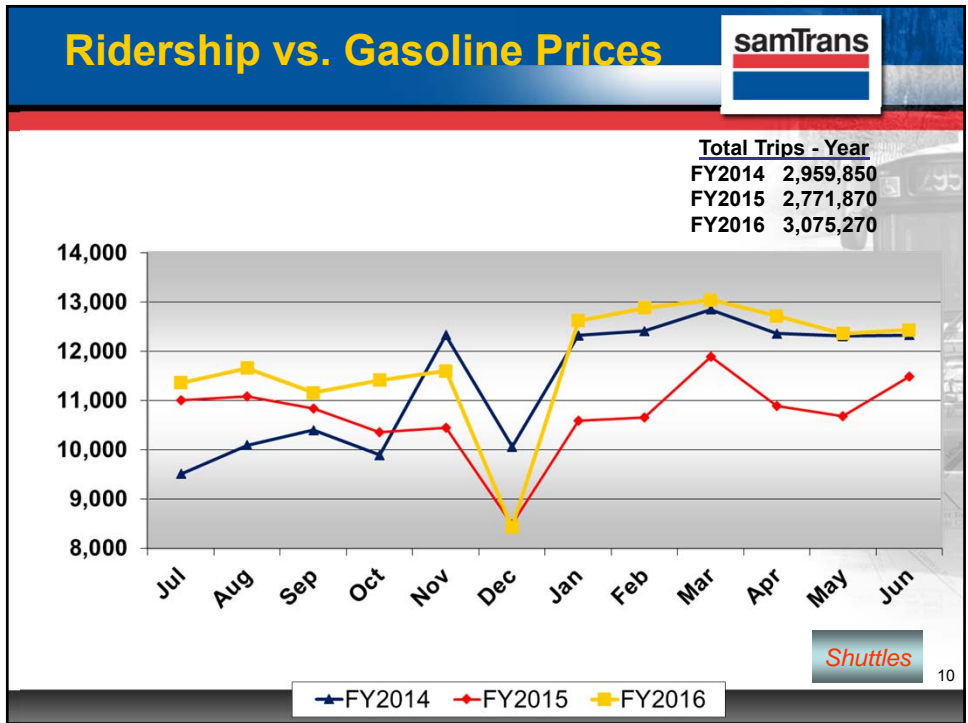
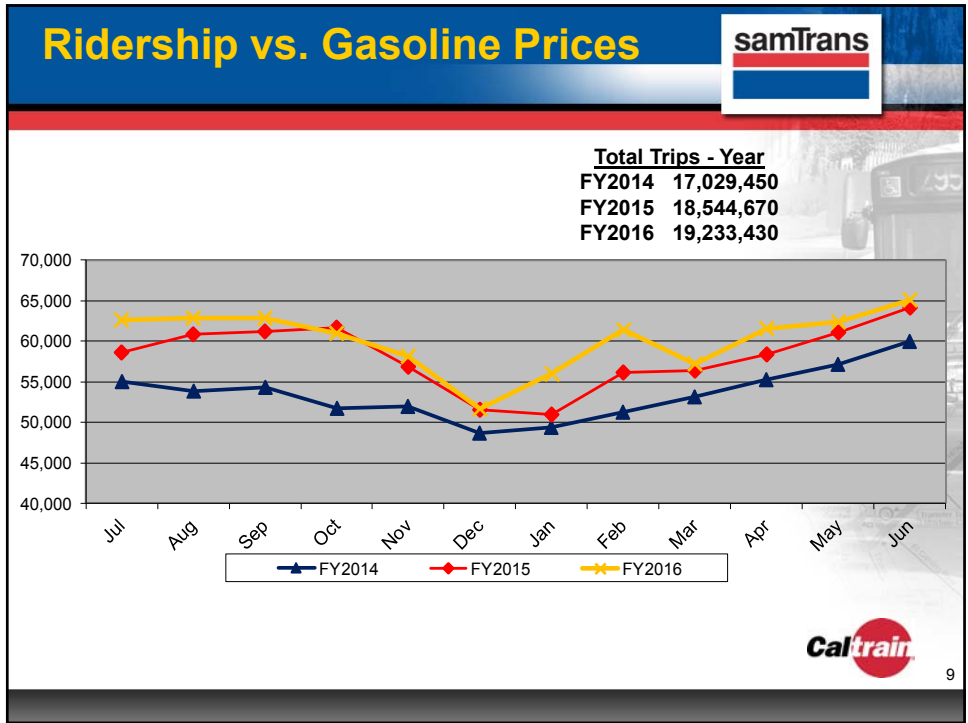
- **What effect do sustained low fuel prices have on ridership?**

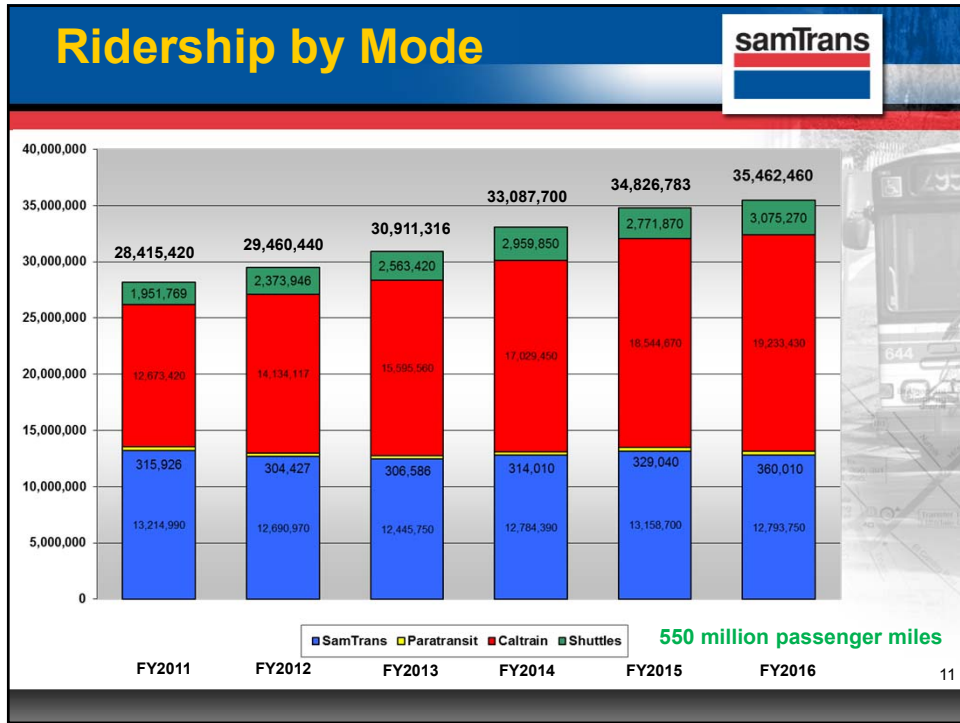
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Ridership vs. Gasoline Prices samTrans

Quarter	National Ridership (%)	SamTrans Ridership (%)	CA Gas Price (%)
2014 Q1	-2.000%	2.000%	-5.000%
2014 Q2	-1.000%	4.000%	4.000%
2014 Q3	-1.000%	5.000%	0.000%
2014 Q4	-1.000%	1.000%	-14.000%
2015 Q1	-2.000%	4.000%	-23.000%
2015 Q2	-2.000%	1.000%	-15.000%
2015 Q3	-2.000%	0.000%	-12.000%
2015 Q4	-2.000%	-1.000%	-11.500%
2016 Q1	-1.000%	-4.000%	-14.000%

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Ridership Status

- **Percent Change from FY15 to FY 16**
 - Caltrain (3.58%)
 - Shuttles (9.87%)
 - Paratransit (8.60%)
 - SamTrans (2.58%)
- **System Wide (1.79%)**

Ridership

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- **Factors that affect ridership:**
 - Fuel Prices
 - National and Local economy
 - Job market
 - Usefulness and convenience
 - Cost
 - Safety
 - Others?

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Ridership

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- **How can we design a smart motor bus system?**
- **What performance indicators should we be considering/evaluating?**

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Performance Measures

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- **The National Transportation Database (NTD) and the Metropolitan Transportation Commission (MTC) share similar performance measures**
 - **Operating cost per revenue-vehicle hour (cost/hr)**
 - **Operating cost per passenger (cost/pass)**

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Performance Measures

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- **Passenger per revenue-vehicle hour (pass/hr)**
- **Passenger per revenue-vehicle mile (pass/mi)**
- **Farebox recovery (fare/cost)**
- **Safety (miles/accidents)**

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Performance Measures

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- How do we identify, evaluate and select low performing routes?
- What performance measures are most suitable for route elimination?
- How many resources can we redistribute if we eliminate low-performing routes?

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Tensions

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- We cannot grow our way out of deficit
- There is an inherent tension between coverage and frequency, and social justice and costs

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Title VI

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- **Using Title VI categories to identify unique trends within SamTrans**
 - Coastal
 - Community
 - Local
 - Multi-city
 - Mainline

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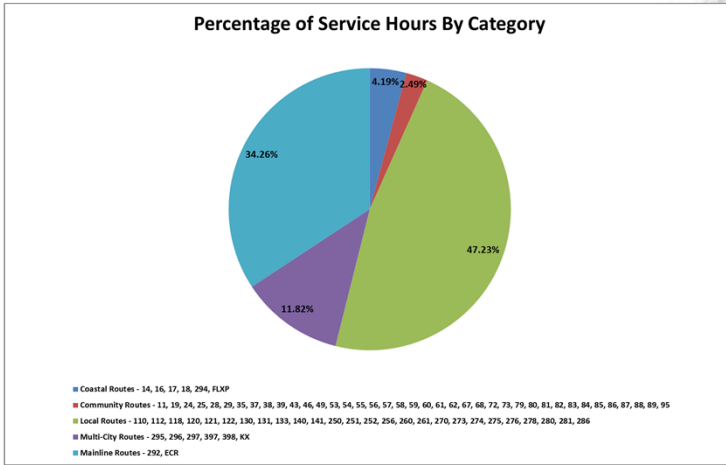
Performance Standards

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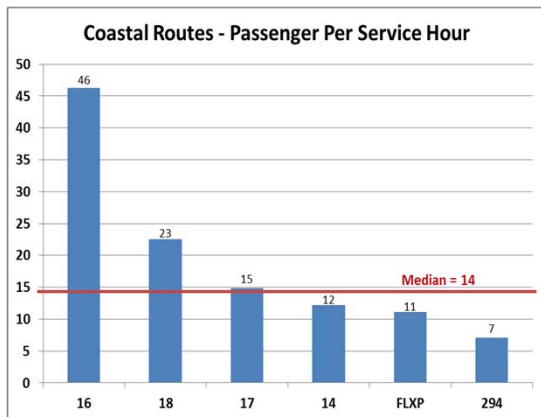
- **Example: Calculate the median value of passengers per service hour (pass/hr) for each Title VI category and then set a standard to identify low performing routes, i.e. 50% below the median value**

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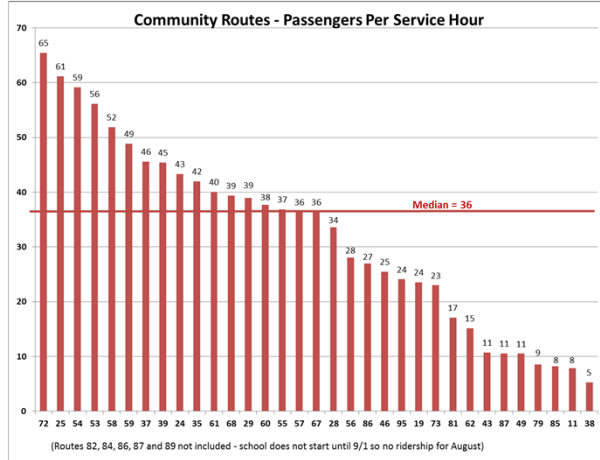
Ridership – Title VI Categories



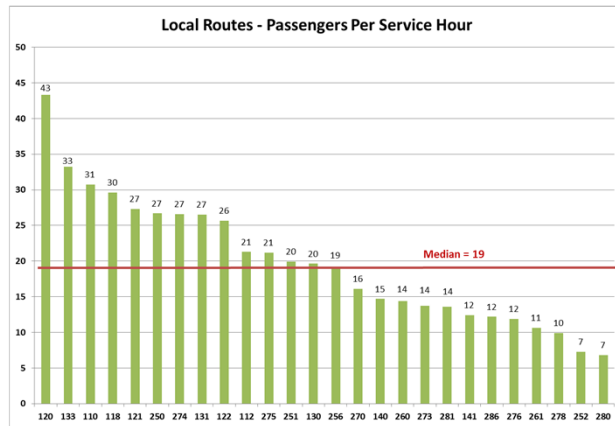
Ridership – Coastal

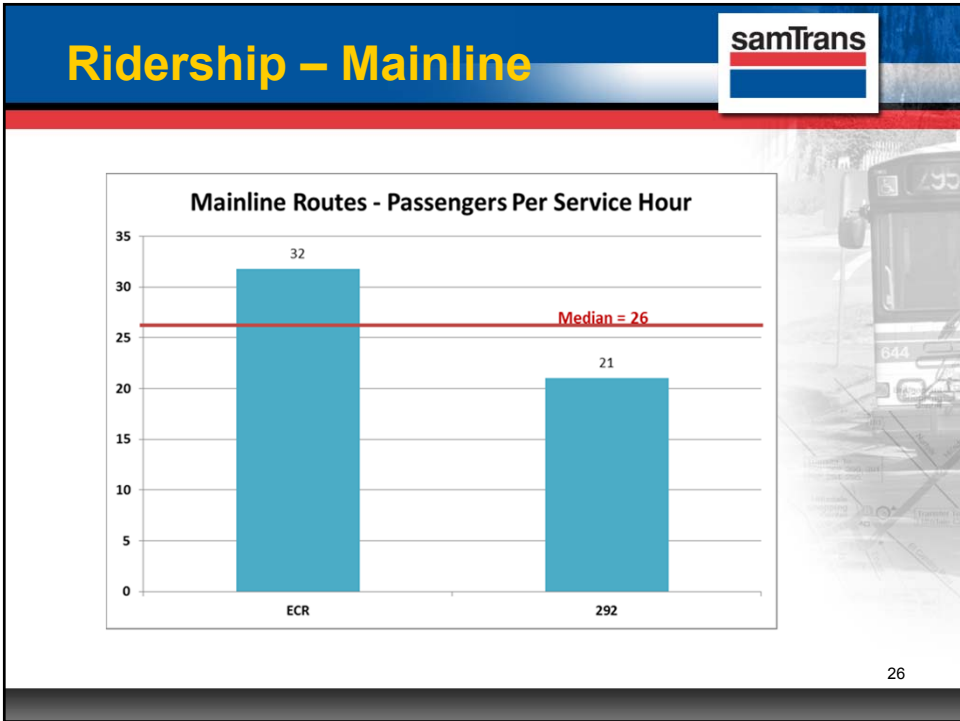
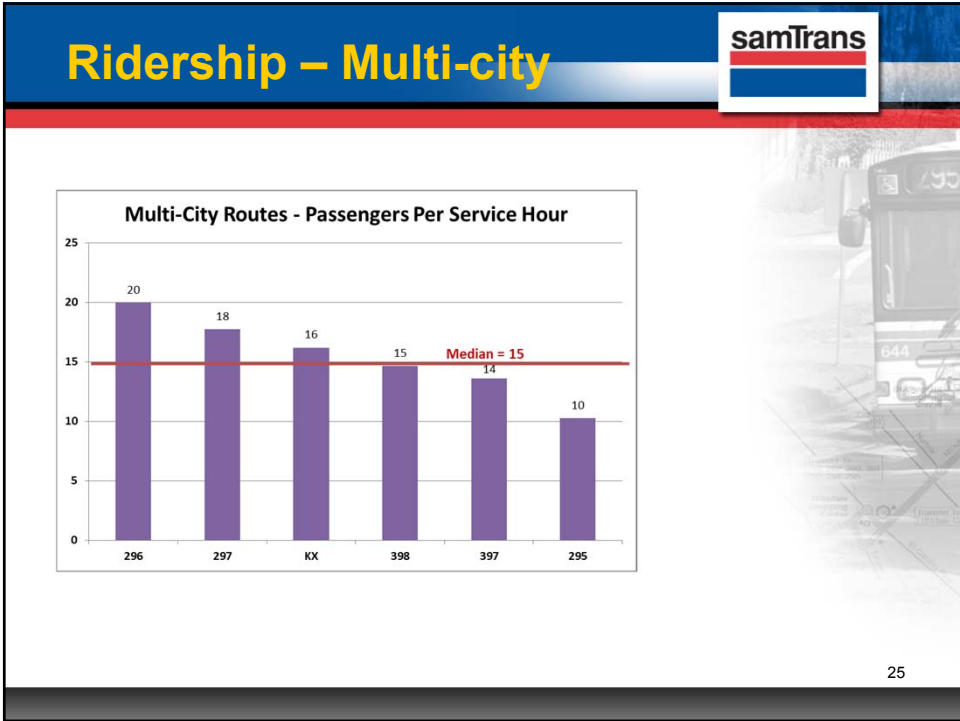


Ridership – Community



Ridership – Local





Performance Standards

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- Evaluate low performing routes against other measurements such as, average weekday passengers (AWR), cost per passenger (cost/pass), cost per passenger mile (cost/mi), and farebox recovery
- Use a dashboard to measure and illustrate trends and historical performance (see Appendix A)

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How we measure up

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- System wide ridership was up in FY16, but starting to measure a slight decline in FY17
- MTC measurements for 25 Bay Area Transportation Systems during FY15
 - Service effectiveness (pass/hr), Caltrain ranked 2nd and SamTrans ranked 8th

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How we measure up

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- **Cost efficiency (cost/hr) – Caltrain ranked 3rd, and SamTrans ranked 7th**
- **Cost effectiveness (cost/pass) – Caltrain ranked 15th, and SamTrans ranked 10th**
- **Farebox recovery ratio (rev/cost) – Caltrain ranked 2nd, and SamTrans ranked 16th**

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Next Steps

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- **Set Performance Metric**
- **Evaluate Routes**
- **Assess Resources/Human Impacts**

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Appendix A



2016 SamTrans Service Statistics

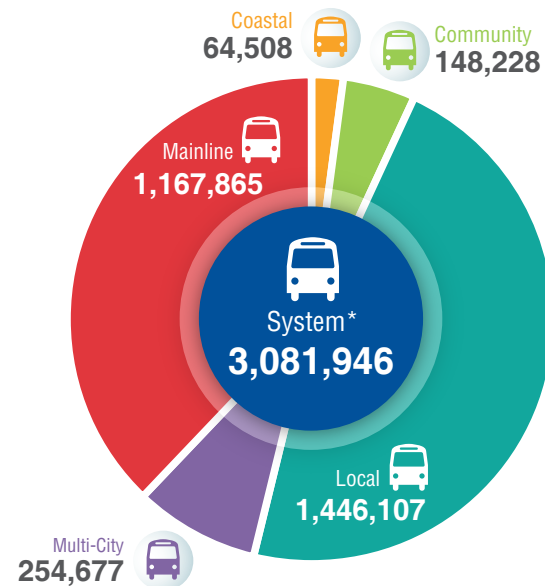




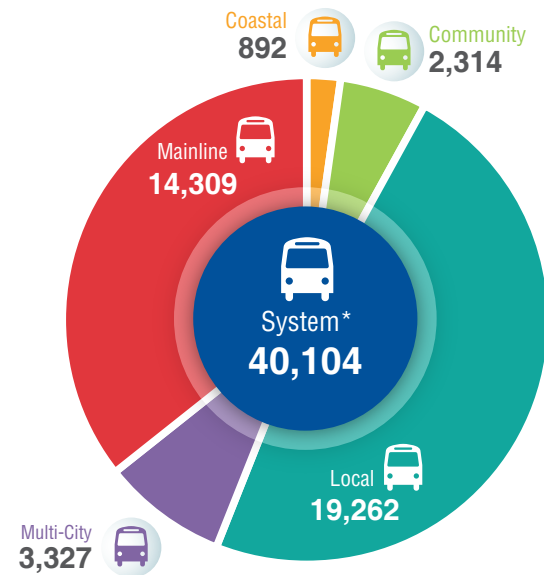
2016 SamTrans Service Statistics

Quarterly Report (Apr-Jun)

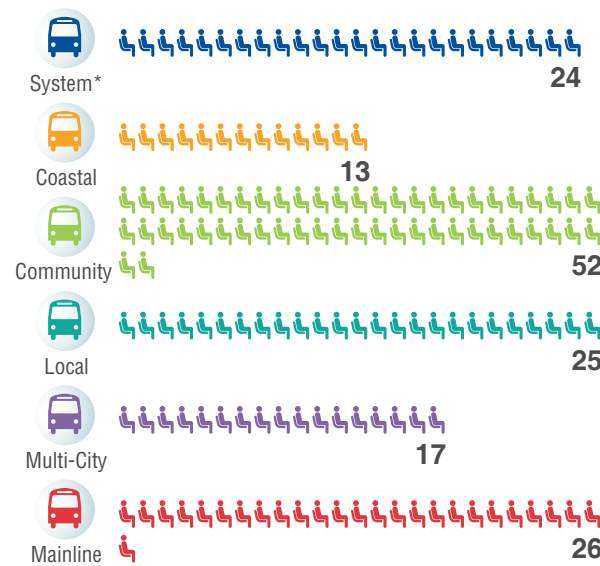
TOTAL PASSENGERS



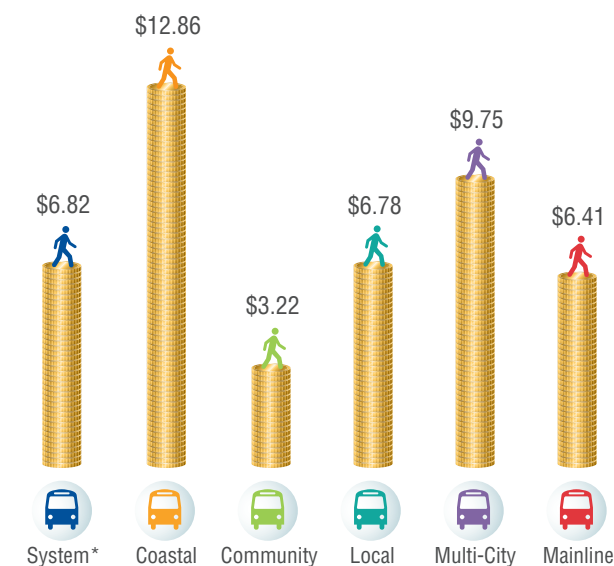
AVERAGE WEEKDAY PASSENGERS



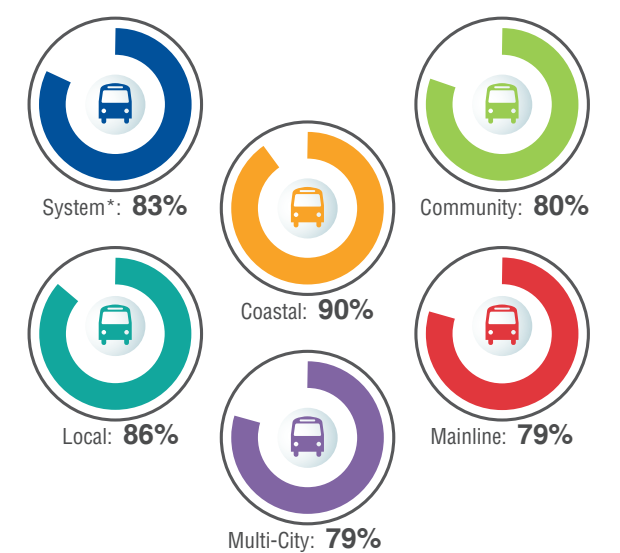
WEEKDAY PASSENGERS/HOUR



WEEKDAY COST/PASSENGER

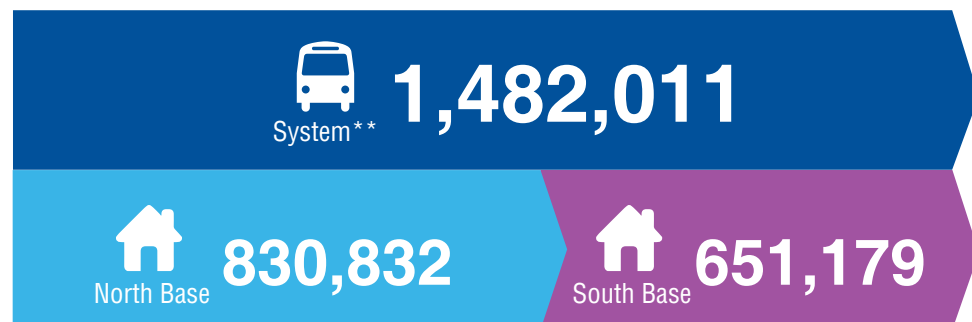


WEEKDAY ON-TIME PERFORMANCE



* Total number does not include Dumbarton ridership

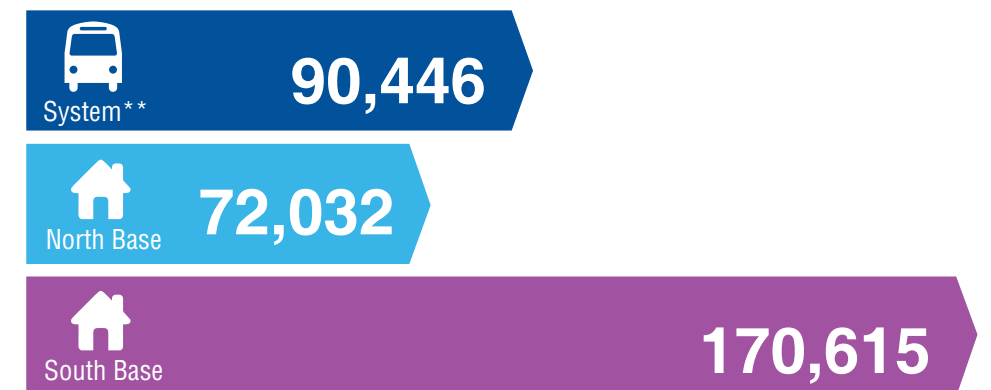
TOTAL MILES TRAVELLED



PREVENTABLE ACCIDENTS



MILES BETWEEN PREVENTABLE ACCIDENTS



** Only includes service that is directly operated by SamTrans