Appendix E: Transportation

The District's busing was compared to industry standards which suggest that a bus route should operate at 80 percent usage rate on average. TCSD's routes on both the first and second tier operate at a significantly lower usage rate.

Baseline Usage by Tier

Tier	Total Routes	Average Capacity	Total Capacity	Peak Riders	Baseline Usage
Tier I	25	72.0	1,800	899	49.9%
Tier II	24	72.0	1,728	1,017	58.9%

In order to develop our recommendation we reviewed both tiers independently to determine how many routes could be eliminated in order to bring the usage rate closer to the industry standard.

Tier I Detailed Review

Tier	Total Routes	Avg. Capacity	Total Capacity	Peak Riders
Tier I	25	72.0	1,800	899
Tier I Exclusions				
Reason for Exclusion	**Total Routes**	**Avg. Capacity**	**Total Capacity**	**Peak Riders**
Already at Standard	1	72.0	72	59
80th+ Percentile Time	3	72.0	216	88
Tier I Routes Reviewed for Additional Efficiency Opportunity				
Tier	**Total Routes**	**Avg. Capacity**	**Total Capacity**	**Peak Riders**
Tier I	21	72.0	1,512	752
Tier I Route Elimination Sensitivity Analysis and Impact on Utilization				
Routes Eliminated	6	**7**	8	9
Capacity Eliminated	432.0	**504.0**	576.0	648.0
Adjusted Total Capacity	1,080	**1,008**	936	864
Adjusted Total Utilization	69.6%	**74.6%**	80.3%	87.0%

Source: TCSD and ODE

Efficient • Effective • Transparent

Tier II Detailed Review

Tier	Total Routes	Avg. Capacity	Total Capacity	Peak Riders
Tier II	24	72.0	1,728	1,017
Tier II Exclusions				
Reason for Exclusion	**Total Routes**	**Avg. Capacity**	**Total Capacity**	**Peak Riders**
Already at Standard	2	72.0	144	120
80th+ Percentile Time	4	72.0	288	128
Tier II Routes Reviewed for Additional Efficiency Opportunity				
Tier	**Total Routes**	**Avg. Capacity**	**Total Capacity**	**Peak Riders**
Tier II	18	72.0	1,296	769
Tier II Route Elimination Sensitivity Analysis and Impact on Utilization				
Routes Eliminated	3	**4**	5	6
Capacity Eliminated	216.0	**288.0**	360.0	432.0
Adjusted Total Capacity	1,080	**1,008**	936	864
Adjusted Total Utilization	71.2%	**76.3%**	82.2%	89.0%

Source: TCSD and ODE

The results of our analysis are identified in **<u>Recommendation 7</u>**.

Efficient   •   Effective   •   Transparent