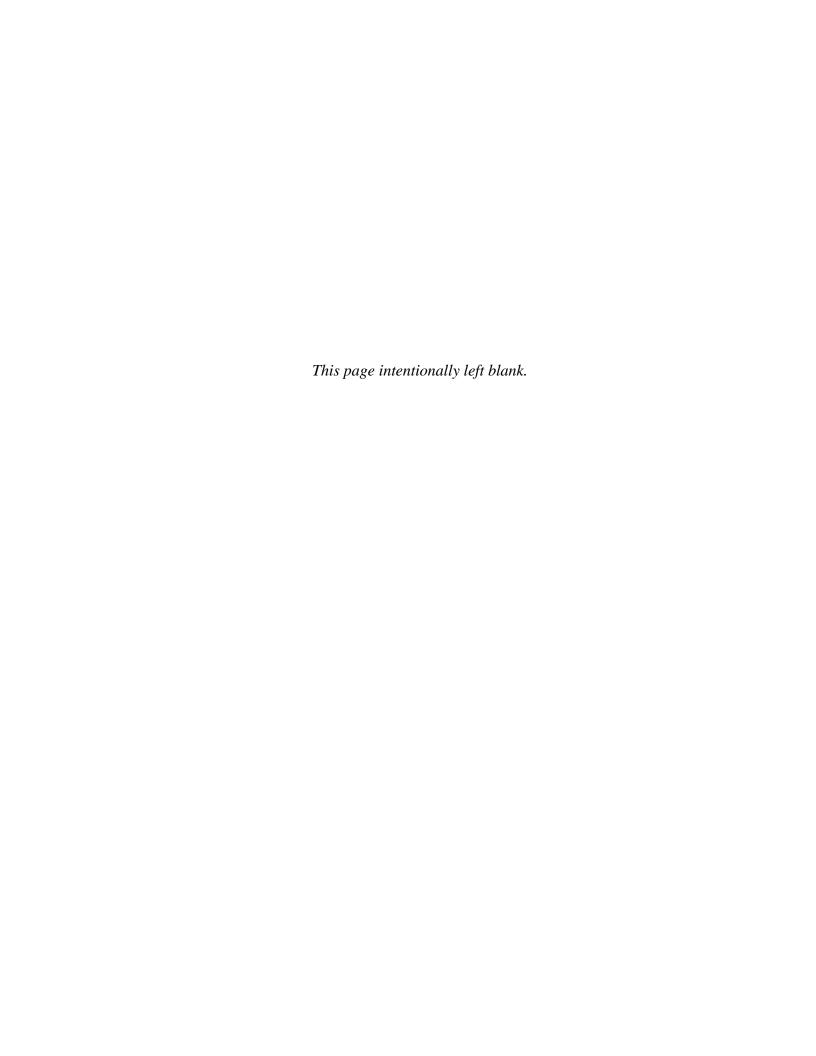
Santa Ana and Garden Grove Fixed Guideway Corridor

Appendix Š

Energy Output Tables





Electricity Consumption from Streetcar Operations for the IOS Alternatives

250 750 187500 187.5 KW per hour of streetcar operation (per streetc

20 miles per hour

9.375 kWh per mile backcheck - max

11250 peak all streetcars - avg. weekday backcheck - max

4500 off peak

15750

5,307,750 Streetcar Alternative 1 (10/15 headways)

backcheck - max

per LTK Ops Memo

7.9 miles per roundtrip

12 trips per peak hour (10-minute peak hour headways) 8 trips (15-minute peak hour headways)

12 peak hours per day

6 off peak hours per day

144 peak hour roundtrips per weekday

48 off peak hour roundtrips per weekday

192 trips per weekday annualization factor per LTK Ops. Memo

1516.8 vmt per weekday

511,162 VMT (annual) for the full system

Streetcar Alternative 1 (10/15 headways)

Source: Salt Lake City, UT Tiger Grant App.

Streetcar

8.1 kWh per vehicle mile

12286 kWh per day in revenue operation

4,140,409

4,140,409 Streetcar Alternative 1 (10/15 headways)

Source:

South Sacramento (LRT) 7.5 kWh per vehicle mile

Corridor Phase II FEIS/FEIR 3,833,712 Streetcar Alternative 1 (10/15 headways)

20697.8 20,697,802,640 Orange County Electricity Consumption 0.02%

Electricity Consumption from Streetcar Operations for the IOS Alternatives

250 750 187500 187.5 KW per hour of streetcar operation (per streetc

20 miles per hour

9.375 kWh per mile backcheck - max

11250 peak all streetcars - avg. weekday backcheck - max

4500 off peak

15750

5,307,750 Streetcar Alternative 1 (10/15 headways) backcheck - max

per LTK Ops Memo

2.28 miles per roundtrip

12 trips per peak hour (10-minute peak hour headways) 8 trips (15-minute peak hour headways)

12 peak hours per day

6 off peak hours per day

144 peak hour roundtrips per weekday

48 off peak hour roundtrips per weekday

192 trips per weekday annualization factor per LTK Ops. Memo

437.76 vmt per weekday

147,525 VMT (annual) for the full system

Streetcar Alternative 1 (10/15 headways)

Source: Salt Lake City, UT Tiger Grant App.

Streetcar

8.1 kWh per vehicle mile

3546 kWh per day in revenue operation

1,194,953

1,194,953 Streetcar Alternative 1 (10/15 headways)

Source:

South Sacramento (LRT) 7.5 kWh per vehicle mile

Corridor Phase II FEIS/FEIR 1,106,438 Streetcar Alternative 1 (10/15 headways)

20697.8 20,697,802,640 Orange County Electricity Consumption 0.01%