



By The Numbers

6 Electric Shuttles

13 mile loop, 30 Stops

5 – 6 loops/day/vehicle

65 – 85 miles traveled/day

102 kWh useable power

7 days a week 10am – 6pm

Monday – Friday: every 30 mins

Saturday – Sunday: every 60 mins

Average Daily Ridership:

Weekday: 497

Weekend/Holiday: 252

Ridership:

6 Monthly Average: 14,243

November 2016: 15,002

Total over 22 months: 237,041

Total Miles Traveled: 175,664

Numbers as of November 2016



Google Funded Mountain View Free Community Shuttle Case Study

The Mountain View Free Community Shuttle provides transportation connections between residential neighborhoods, senior residences and services, city offices, library, park and recreational facilities, medical offices, shopping centers, and entertainment venues throughout Mountain View. The goal of the project is to reduce single occupancy vehicle traffic in key Mountain View traffic corridors with a clean transportation alternative and reduce demands on parking in downtown.

This multi-stakeholder project is a pilot demonstration of initially four, subsequently expanded to six, battery-electric shuttle buses for the **City of Mountain View** with daily operation funded by **Google**, technology developed by **Motiv Power Systems**, research funded by the **California Energy Commission**, administered by **CALSTART**, deployed by **ABC Companies** on routes developed by **Altrans**. Operation began in January 2015.

This project has demonstrated the potential of Motiv’s battery-electric powertrain technology to reduce harmful emissions and use of fossil fuels while providing communities with better transit options to reduce the need for residents to drive locally.

The 2 routes through Mountain View have 30 stops in a 13 mile loop, clockwise and counter clockwise with shuttles doing between 5 to 6 loops per day. Each shuttle has 102 kWh of useable power. The average usage per shuttle is about 65-85 miles per day. The stop and go of residential streets is ideally suited for regenerative braking allowing about 22% of battery power to be recovered. During hotter summer months the AC on the vehicle can use as much as 20% of available charge.

In a Satisfaction Survey taken in September 2016, *98% of riders said they would recommend this shuttle to others.* It has proven to be very popular with all age groups, specially *seniors who comprise 43% of all riders providing a true community service!* In order to best serve the needs of residents, shuttle stops have been coordinated to start at the local transit center where Caltrain riders can easily access the shuttles. In the past 22 months, over **175,000** residents have ridden these shuttles which are equipped with bike racks, wheelchair lifts, and wi-fi all for free!



This project shows how private companies, nonprofits, and cities can work together to benefit the community.

To bring community shuttles to your city, contact info@motivps.com.