

The objective of “Project Mobility” at the Housing Authority is to increase access to transportation (EV car share and van pool) options for residents of the Housing Authority of San Joaquin County.

In 2019, the Housing Authority of the County of San Joaquin received a Jobs Plus Grant from HUD (US Department of Housing and Urban Development). It was 1 of only 4 to be awarded across the country. This \$2.3-million-dollar grant focuses on helping residents get and keep jobs. As part of that grant, community meetings were held and residents addressed the biggest barriers to getting and keeping a job. Transportation was identified as one of the most significant barriers. It was then that car-sharing and other innovative transportation options were considered. After much research, including a survey with over 170 residents responses, car-sharing, van pooling and ride sharing were chosen as the best mobility options to meet the needs of 827 households in Conway Homes and Sierra Vista Homes.

Below are the primary reasons and percentages for which the 170 residents would use program:

Use of EV car share	% of people who will use it	Use of EV car share	% of people who will use it
Groceries & errands	91.4%	Medical appointments	87.5%
Social / recreation	44.7%	Pick up / drop of children	42.8%
Commute to / from school or work	42.8%	Job interviews	32.2%

Currently, we have \$544,000 committed toward an estimated project cost of \$1.6 million over four years. This money is to offset the installation of the chargers at the various locations.

The Housing Authority had unsuccessfully applied for the CMO (Clean Mobility Options) grant. The \$1M award was intended to pay for the cars, vans, further building the charging stations, as well as upkeep and insurance for the vehicles. This would have also included providing discount codes for residents to rent the cars at a reduced rate. Conway Homes, Sierra Vista 1, and Sierra Vista 2 will each ultimately get 6 Level 2 chargers, 2 fast chargers, 3 electric vehicles for car sharing and an electric vehicle for van pooling.

The normal rate for an EV car share is \$11 per hour. With discounts, that could drop to \$5 an hour. This reduced rate will allow residents to be able to afford to utilize a reliable vehicle for shopping, medical appointments and job interviews. The van pooling will be a reliable transportation option to work at such places as the logistics warehouses in Tracy.

To demonstrate the financial benefit for the residents of Conway and Sierra Vista, the cost of car sharing was compared to Uber. Using Uber Estimator (<https://www.uber.com/us/en/price-estimate/>), we calculated trips from each location to Walmart.

Conway to Walmart

Uber price estimator

● 741 Flint Ave, Stockton, CA ✕

■ Walmart Supercenter, 3223 E Hamme... ✕

Your options

- UberX \$16.57 ⓘ
- Comfort \$21.47 ⓘ
- UberXL \$22.76 ⓘ

Sierra Vista to Walmart

Uber price estimator

● 2436 Belleview Ave, Stockton, CA ✕

■ Walmart Supercenter, 3223 E Hamme... ✕

Your options

- UberX \$16.17 ⓘ
- Comfort \$21.12 ⓘ
- UberXL \$22.05 ⓘ

The estimated cost via Uber is calculated one way. So, a round trip to Walmart is over \$32. That same trip could be completed for less money with the car share program. For the same amount of money as a single trip to Walmart, our residents could take multiple trips over a 6-hour period. In addition, it would enable residents to have a dedicated car for that six hours that is solely theirs to use for that time period - an important consideration for those with groceries and children.

The EPA National Walkability Index ranks Conway Homes and Sierra Vista, which comprise the total project area, as above average walkable and most walkable, respectively. However, this parameter does little to indicate residents' ability to connect to jobs; over 96% of residents within half a mile of the Conway and Sierra Vista portions of the project area are employed outside of it. According to AllTransit Metrics only 1.32% of Conway residents commute by walking, while 0% of Sierra Vista residents do.

Without the ability to walk, residents require other options to get around. Unfortunately, their public transportation options are severely limited. The data below was gathered from AllTransit Metrics:

- Conway - 0% of households near high frequency transit, at any time of day
- Sierra - 28.1% of households near high frequency transit during rush hour 0% all day

Although the H+T Index indicates that Conway and Sierra Vista residents spend 35% of their income on average, the annual transportation cost is nearly equal to the median household income. The average income at Conway Homes is \$19,931. The average income at Sierra Vista is \$19,129. From this, we can assume that only residents with incomes substantially higher than the median can actually afford reliable transportation, while the rest of the area's residents are left with relatively few mobility options. This provides even more support for the need of reliable affordable transportation. The use of the AB 617 funds for this program fills a major need for the residents of both Conway and Sierra Vista.