

Survey Results: Electric Vehicle Charging

Survey Info - This survey was sent on behalf of City of Chanhassen to the FlashVote community for Chanhassen, MN.

These FlashVote results are shared with local officials

305

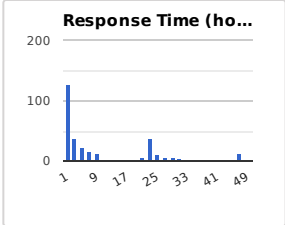
Total Participants

265 of 388 initially invited (68%)
40 others
Margin of error: ± 6%

Applied Filter:
Locals only

Participants for filter:
260

Response Time (ho...



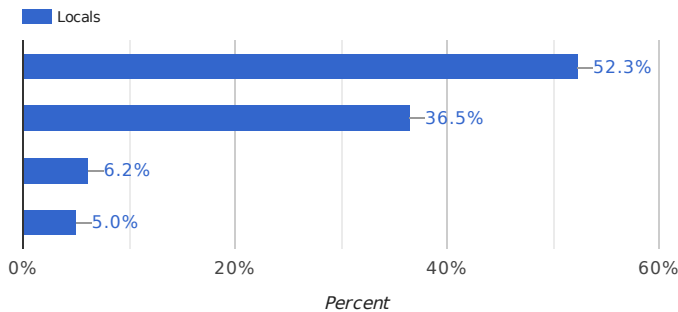
Started:
Nov 30, 2021 11:07am CST

Ended:
Dec 2, 2021 11:06am CST

Target Participants:
All Chanhassen

Q1 Which of the following best describes you or your family's plans to own an electric vehicle?
(260 responses by)

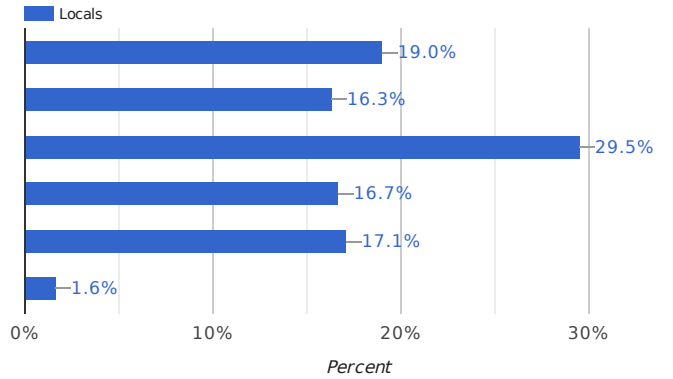
Options	Locals (260)
Don't have one and probably won't get one in the next 5 years	52.3% (136)
Don't have one, but probably will get one in the next 5 years	36.5% (95)
Already have one	6.2% (16)
Not Sure	5.0% (13)



Q2 How important do you think it is to have more electric vehicle charging stations in Chanhassen?
(258 responses by)

Options	Locals (258)
Not At All Important (1)	19.0% (49)
Slightly Important (2)	16.3% (42)
Somewhat Important (3)	29.5% (76)
Very Important (4)	16.7% (43)
Extremely Important (5)	17.1% (44)
Not Sure	1.6% (4)

Average rating: 2.96

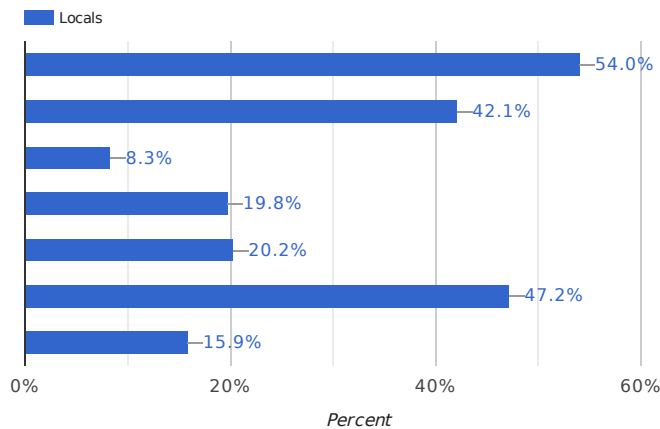


Q3 The City of Chanhasseen has been approached about entering into a public-private partnership to install publicly accessible electric vehicle charging stations in city owned parking lots. The city would provide the parking spots and the private partner would install and operate the charging stations. The program would be no-cost, no-risk to the city with some revenue to the city (about \$10,000 per year) and free city use of five electric vehicles.

Which of the following statements are TRUE for you, if any? (Choose all that apply)

(252 responses by)

Options	Locals (252)
I think charging stations in City parking lots make sense if there is revenue for the City	54.0% (136)
I think charging stations in City parking lots would make sense even if there was no revenue for the City	42.1% (106)
I don't think charging stations in City parking lots would make sense	8.3% (21)
I think Chanhasseen might get a better deal if we wait until there is more demand for electric charging	19.8% (50)
I think the charging stations would draw visitors to Chanhasseen	20.2% (51)
I think its an innovative project that would demonstrate that Chanhasseen is forward-thinking	47.2% (119)
I think:	15.9% (40)



If there is a need for it, ok. If only for revenue but little need, I would wait.

provide free charging for city employees. leave charging stations for the public to private parking

Having the stations might prompt more people to get e cars. Great idea!

Interesting - only lots with ample parking (not library). Thanks.

Charging must be on surface lots so tow trucks can bring EV's there and not have height issues.

Your problem here is that the average neighborhood doesn't have enough AMP service for one car/hous

So this company will profit but no other company can? Unfair. Empower private charging stations.

The city has a lot of "dead" allocated to parking lots. I'd like to see more infrastructure built

Good idea as long as the private partner has reasonable prices for using their station

electric cars will only proliferate & it's smart to accommodate that w/ public chrgng stations

The library and senior center area does not have enough parking as it. Lake Ann would be fine.

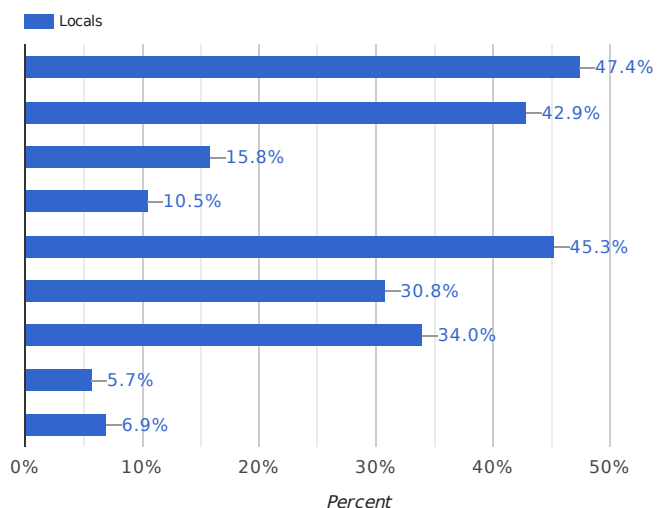
Too soon to make this investment

120V outlets for charging bicycles should also be offered.

Q4 Which of the following possible charging locations would you be most likely to use in the future, if any? (You can choose up to FOUR, if any)

(247 responses by)

Options	Locals (247)
Chanhassen City Hall	47.4% (117)
Lake Ann Park	42.9% (106)
Lake Susan Park	15.8% (39)
Bandimere Park	10.5% (26)
Chanhassen Rec Center	45.3% (112)
Public Parking near Axel's/Medical Arts Building	30.8% (76)
Public Parking lot south of Tequila Butcher	34.0% (84)
Fire Station #2 (Minnewashta Parkway & Hwy 7)	5.7% (14)
Public Works Building	6.9% (17)



Q5 Any other comments or suggestions about a possible electric vehicle charging program?

cautious about, initially, entering into long-term contracts concerning this partnership until we understand the ramifications of the totality of the benefits that will be provided to the private entity. Instead of a long-term commitment for city land, it may be beneficial for this company to purchase/lease land in highly-desirable parking locations. I like that the city will generate revenue and get free use of vehicles. As electric vehicles do not pay taxes to maintain roadways (they don't pay gas taxes) I like this public-private partnership in that the government is getting some benefit.

I have some experience in this kind of project. I would be happy to help brainstorm. Keith Butcher (GopherPride@msn.com).

This should never be done at a cost to the city. I see electrical vehicle charging as the responsibility of the vehicle owner.

As a resident and no reason to drive a distance and stay in town long enough, I don't see a personal use. However, for city workers, business owners, suppliers, vendors, etc, yes.

Realistically speaking EV charging stations are a benefit for visitors. A resident likely lives within a handful of miles of any noted sites and they can charge their vehicle at home. It seems they likely have very little need to charge it after driving only a few miles.

I won't be getting an electric vehicle any time soon, so I wasn't too serious about charging stations but I don't think they should be in public parks

I believe that electric vehicles are the future however the infrastructure isn't there yet. The public needs charging stations to make it worth it for consumers to buy them.

Public charging stations seem inappropriate at best given how few total electric vehicles are on the road. People who choose to have EVs can and should manage their own charging.

Annual review of use and future demand. Security cameras for charging areas. Residents use only possibility

Just bought new gas powered car. Wanted an e-vehicle but charging infrastructure isn't adequate in the US.

I have seen some charging stations not maintained well. Can there be language that they need to be kept in working order?

Until the price of electric vehicles comes down to an affordable level, this seems like over kill. I don't believe that we can truly how many or where to install them until more folks own electric cars.

even though I will most likely be unable to purchase an electric vehicle within three-five years, going electric is the best way to fight pollution and climate changes. I am all for it. The more places to plug in, the more vehicles will be sold. Hopefully someday I can participate in the crossover. Thanks for the chance to speak.

Too early for this

I appreciate that these questions are being asked

I would not be in support of the charging stations at any of the parks.

Great idea, EV's are the way of the future. We love ours!

Have one at the library too! Try to get them at Target and Cub and Byerlys!

Our library and the Rec Center are the places people spend enough time to plug in when they are there for an event of a couple of hours. The other destination places that need chargers are the Dinner Theater, the movie theater, Target and all the grocery stores. Having chargers at these places will draw customers to Chanhassen.

Not easily assessable parking for residents to use. Not worth the lids of parking for other vehicles.

I currently drive a plug-in hybrid EV. This gives me up to 30 miles of range on EV mode. So I mostly use Public chargers outside of Chanhassen to give me charge to return. Within Chanhassen I recharge at home overnight. I believe that charging stations will help attract people to Chanhassen when they are convenient to destinations. When I am outside of Chanhassen and have a choose to shop at a place with a charger or a place without, I will choose the place with the charger. Chanhassen can be a leader. By Chanhassen having chargers it will encourage other cities and businesses to have chargers.

I am glad tat you are looking at this, Can you determine based upon vehicle registration data how many EV's are owned in the city? It seems as if sales of EV's will increase every year, and by 2030 they may be the majority of sales. SO you may have some time. What are the 5 vehicles you might get free access to?

Very exciting for the city!

Since I live in Chan, I'm not sure I would see much need for using vehicle charging myself. I would see it more for visitors or passers-through....like, if I were shopping at Byerly's or Target, if my charge was low, I'd consider plugging in while I shop. Or at an event, like july 4th I'd park at city hall maybe. Or certainly, at a park and ride, say if I wanted to take a bus downtown from a park and ride.

Having electric vehicle charging stations around the city is a great idea!

Would make more sense to do tax credits for residents to upgrade charging capabilities in their private garages. I rarely park in city lots and when I do it's for a very brief time.

Car manufacturers are already committed to electric vehicles so Chanhassen should be too.

I plan on owning an electric vehicle within 2 years and I would like to see charging stations at shopping malls, Targets, etc. Hotels would be a good spot also along with the SW transit parking garages. People will want to charge the vehicle at night, such as hotels, as well as during the day when they are shopping. Just my thoughts.

I feel like Chanhassen is more of a residential community, meaning people live here and work elsewhere. Therefore, we would be most likely to be charging our electric vehicles at home. I personally wouldn't use any of the local charging stations. To me, charging stations seem most appropriate in busy cities where people work and where people will be stopping through and traveling.

This is not a project that government should undertake

great idea.....there is going to be a significant swing to EV's in the next 10 years...lets get ahead of it

The only place this may make sense is in the SW Transit hubs. If there are charging stations in the hubs, there is really no practical reason to enter into any govt/private partnership.

I don't think the demand is there yet for electric vehicles. We are still too far out from them being an affordable and accessible choice for people.

I would recommend that Chanhassen should not enter into a long term exclusive contract (ie >5 years)

Great plan!

I don't object to charging stations, but I don't want the city to spend anything on them. That deal with 10,000 and free vehicles sounds too good to be true. Is there more that you're not telling us?

It's not the government's problem to fix.

I am not against electric cars and charging stations. However, with so many questions yet to be answered about electric vehicles sustainability in MN weather, cost to own and sustain one, etc I would think Chanhassen should stand back and watch a bit longer before we jump. When the Finnish rep came to see Gov Walz here in MN to promote a program for electric vehicles his visuals only included luxury vehicles. Did you notice? That tells me the best parking spots in the variety of locations you mentioned in the survey for electric charging stations would not be for the everyday resident. So much to consider before moving forward.

Although these are public lots, they are not convenient locations for potential users. The charging stations should be located in parking lots near grocery stores or Target. Or at a restaurants where people would normally stop for an hour or so. It would be good for the restaurants. Also partner with or encourage (i.e., tax breaks) large employers to provide the charging stations for their employees. Best of luck with this idea. Feel free to contact me if I can help. Bruce Schaepe 8555 Powers Place 952-270-9370.

Do we have enough electrical demand to meet the future demand!

do not provide with exception of employee parking

Thank you for your forward thinking

Do not waste money on charging stations

Not knowing much about this...how long does it take for an average charge? Is there a way to see if a station is available or to make a reservation?

I think any charging stations should require users to pay to at least cover the cities costs. In looking at the options for placing the charging stations, it looks like having charging stations in the city hall parking lot (by the library?) would be the first priority. My rationale is that people tend to have longer stays there vs. using the parks. That said, I'd recommend a charging station(s) at Lake Ann park in a highly visible location to build awareness and educate the public.

While I agree it is beneficial to be forward thinking, too many things can change and then we have charging stations sitting there empty. I'm actually curious as to how many people would take their car to a city spot and charge it. Would there be a limit as to how long it can stay parked there? What about overnight or during snow removal?

Do not put EV charging stations in priority parking spots but further out in the lots so as not to interfere with actual customer usage of the lots. EV's running out of battery are a real issue and tow companies do tow the cars to EV charging stations. The stations must be accessible for tow trucks to bring cars in and drop them off. There must be adequate clearance, i.e. the charging station must not be in a covered facility and there needs to be room to easily maneuver a large flatbed tow truck into the charging station and drop off a car. This being said, the charging stations should be an outlier spot in the public lots.

The average neighborhood doesn't have enough service for even one car per house

Uphold free enterprise. City government shouldn't be granting little monopolies.

I just tried to buy a Tesla and didn't because they don't offer any vehicles for test driving. I would only use a charger in my garage.

Near shops, grocery stores, etc where people have something to do make most sense to me. The parks are nice in summer but less so the rest of the year. City hall near library is best option

I think an area where people can access shopping, parks, trails etc are all good ideas.

Make them rapid chargers

Not having thought about it too much, the stations need to be where people would be parking anyway as they go to shop, etc. Firestations perhaps for those who work at the station yet I do not see a location like that as being a big "draw" for vehicles to charge up. Public parking lots, city park parking lots (like lake Ann) make sense as they also draw a lot of vehicle traffic and have better odds of the stations being used. Does the city have any idea how many residents currently own electric vehicles? Curious what the percentage is.

We have a Tesla charging port in our garage, but it is quite expensive, so I can imagine not everyone could afford to have that.

Having electric charging stations in the park would be fine as there is plenty of parking, but please don't put it by the library and senior center because there is already very limited parking in those areas especially when there are youth games in the park next door.

I used to manage the Chan Goodwill store where there are two chargers. NEVE saw them used then or now.

Leave charging stations to private enterprise. Not the job of the city.

I think it would be a progressive move for the City Of Chann to have these charging stations around town, but I would have a clause that if demand for charging stations are needed in the future that the city dose not lose out on an opportunity to make more money for the city down the line.

Maybe a real estate tax incentive for in home charging station.

120V charging outlets for bicycles. A Bicycle may take up to 3 or more hours to charge, so a rack for locking multiple bikes is desired. Locations near restaurants or parks is preferred. A security camera monitoring the location would be great. Note that some bike chargers accept 240VAC, and that bicyclists can purchase adapters to charge from car charging outlets. If 120VAC outlets were not provided, than car charging stations may be used by bikes, preventing usage for cars and causing conflicts. I am a retired electrical engineer, and would be interested in serving on an advisory council (for bicycle usage). Jim Hastreiter, 6990 Tecumseh Ln, Chanhassen. My email address is jimhastreiter@netzero.net.

Excellent idea to explore this