



AGENDA
CITY OF CREVE COEUR
ELECTRIC VEHICLE SUBCOMMITTEE
MAYOR'S CONFERENCE ROOM
SEPTEMBER 19, 2024
5:30 PM

CALL TO ORDER

ROLL CALL

APPROVAL OF MINUTES

1. Approval of May 21, 2024, Minutes
2. Approval of July 30, 2024, Minutes

DISCUSSION ITEMS

3. Discussion of Financial and Environmental Impacts of EVs

ADJOURNMENT

Pursuant to Section 610.022 RSMo., the City Council could, at any time during the meeting, vote to close the public meeting and move to closed session to discuss matters relating to litigation, legal actions and/or communications from the City Attorney as provided under Section 610.021(1) RSMo. and/or personnel matters under Section 610.021(13) RSMo. And/or employee matters under Section 610.021(3) RSMo. and/or real estate matters under Section 610.021(2) or other matters as permitted by Chapter 610.

Posted by: _____

Date/Time posted: _____

If you need special accommodations to attend a meeting, services may be arranged by contacting the Office of the City Administrator in advance.



MINUTES
CITY OF CREVE COEUR
ELECTRIC VEHICLE SUBCOMMITTEE
MAYOR'S CONFERENCE ROOM
MAY 21, 2024
5:30 PM

CALL TO ORDER

The meeting was called to order at 5:31 p.m.

ROLL CALL

Ellen Lawrence, Finance Committee - Present
Dave Sentnor, Finance Committee - Present
Andy Lowenthal, Energy & Environment Committee - Present
Saranya Konala, Energy & Environment Committee - Present

Lori Obermoeller, Director of Finance - Present
Melissa Bradford, Public Information Officer & Management Analyst - Present

APPROVAL OF MINUTES

1. Approval of April 30, 2024, Minutes

Motion made by Andy Lowenthal to approve the April 30, 2024, minutes. Ellen Lawrence seconded. All in favor, motion passed.

DISCUSSION ITEMS

2. Research on Financial and Environmental Impacts of EVs

Lori Obermoeller reported on the upcoming budget purchases:

- EV Charging Station for the Government Center & Police Station (\$115,000) in FY2025 – Public Facing EV Station at the Creve Coeur Government Center that residents would be allowed to use for a fee. The Police Station's charging station would be used for Patrol Vehicles. Ameren's grant program covers \$15,000. However, we need charging station before we can purchase any EVs.
- Federal Grant – National Electric Vehicle Infrastructure Formula Program; they decide where the charging stations go.
- Charging and Fueling Infrastructure Grant Program
- Electric Truck is in the budget, with \$52,000 budgeted in FY2025, \$54,100 budgeted in FY2027, and \$56,287 budgeted in FY2029.
- Insurance costs are dependent on the purchasing price. Currently, our carrier doesn't have any cities with an EV charging station, so they couldn't give an estimated cost.



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Ellen Lawrence asked if tires really do wear 20% faster per the report that was distributed. Goodyear states it could be up to 50% faster. For Rivian, tires wear out at 10,000 miles. Ellen stated that financing another \$400 per year for 4 tires per vehicle based on the average of \$200 per tire would equal \$100 more per tire. This would be offset from maintenance costs such as oil changes.

Dave Sentnor recapped from his report that repair costs, according to one news article, are maybe 2% higher when comparing apples to apples. Comparing the repair of luxury to luxury, repair costs are about the same. Internal combustion engine (ICE) cars are designed to crumble upon collisions. Accidents are less with EVs.

Saranya Konala stated there are only three EV pickup truck options available: Rivian, Ford F150, and Chevy Silverado. An EV pickup truck is between 44 and 48 kwh/100 miles, so the city would only need to get a hybrid with 28 MPG to break even.

Ellen Lawrence stated we need the cost of hybrids in order to make a recommendation, such as Ford Maverick (29 MPG), Ford F150 (25 MPG), etc.

The subcommittee discussed questions to consider, such as: What kind of pickup truck do we need to get? Will it require certain towing capacity or anything special? Is the city getting level 2 or level 3 charging stations? It should be level 3 for commercial use. The subcommittee agreed next steps include getting pricing for two hybrids and see if any of these are on the state list (provided by Captain Koncki). Is there an estimate for tailpipe emissions?

The next subcommittee meeting was scheduled for Tuesday, July 30, 2024, at 5:30 p.m. Lori Obermoeller will send out invites. The goal is to begin drafting a recommendation at this meeting. Ellen Lawrence will get additional data and send it to Melissa sometime in June to distribute to subcommittee members.

ADJOURNMENT

The meeting was adjourned at 6:12 p.m. Dave Sentnor made a motion and Andy Lowenthal seconded; all in favor.



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Submitted by:



MINUTES
CITY OF CREVE COEUR
ELECTRIC VEHICLE SUBCOMMITTEE
MAYOR'S CONFERENCE ROOM
JULY 30, 2024
5:30 PM

CALL TO ORDER

The meeting was called to order at 5:35 p.m.

ROLL CALL

Ellen Lawrence, Subcommittee Member - Present
Dave Sentnor, Subcommittee Member - Present
Saranya Konala, Subcommittee Member - Present
Andy Lowenthal, Subcommittee Member - Present
Lori Obermoeller, Director of Finance - Present
Dione Garson, Civil Engineer - Present
Captain Tim Koncki - Present

Melissa Bradford, Public Information Officer - Absent

APPROVAL OF MINUTES

1. Approval of May 21, 2024, Minutes

Due to staff error in posting notice of this public meeting, no votes could be made. These minutes will carry over to the next meeting for approval.

DISCUSSION ITEMS

2. Discussion of Financial and Environmental Impacts of EVs

Subcommittee members discussed the memo about EV charging stations prepared by Dione Garson that was distributed prior to this meeting. Ellen Lawrence asked whether the city would need that many charging stations if the city did not move forward with purchasing electric vehicles. The infrastructure for charging stations could be established without installing as many charging stations. This may be the last year Ameren offers the incentive.

The subcommittee discussed whether this was the right time to pursue purchasing electric vehicles. All members agreed now is not the right time, citing concerns about resale value and suggesting it is better to wait for technology/batteries to improve first.

Preliminary analysis conducted by Ellen Lawrence shows that it is not cost-effective to purchase electric vehicles at this time; however, hybrid vehicle costs are not much higher than gas vehicle costs and therefore are worth purchasing. Members discussed



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types of hybrid trucks available on the market today, suggesting a Ford Maverick hybrid because it is compact.

The subcommittee came to a consensus that the city should focus on hybrid vehicles for now and reassess electric vehicle options in a few years, and in the meantime, begin establishing the infrastructure for charging stations. If the city pursues a public charging station, then it should consider installing a security camera and additional lighting, and factor these elements into the final cost. Usage trends of Brentwood's public charging stations should be reviewed.

The next meeting is scheduled for Thursday, September 19, at 5:30 p.m.

ADJOURNMENT

The meeting was adjourned at 6:01 p.m. Ellen Lawrence made a motion and Andy Lowenthal seconded; all in favor.

Submitted by:
