

CITY OF PHOENIX



**ELECTRIC VEHICLE AD HOC COMMITTEE:
PUBLIC, WORKPLACE & HOME CHARGING INFRASTRUCTURE SUBCOMMITTEE**

Summary Minutes from Friday, December 17, 2021

Virtual Meeting – Via WebEx

Ad Hoc Committee Members (Present)

Autumn Johnson
Catherine O'Brien
Jason Smith
Caryn Potter
Tim Sprague
Court Rich

Ad Hoc Committee Members (Absent)

Omar Gonzales

City Staff Present

Karen Peters, City Manager's Office
Mark Hartman, Office of Sustainability
David Uriarte, ITS
Gabriel Navarez, Aviation
Gary Lovgren, Aviation
Joe Bowar, Transit
Spencer Blake, Communications
Willa Kaough, Office of The Mayor
David Benton, City Attorney's Office

John Chan, Convention Center
Karl Kaseoru, ITS
Kimberly Brown, Aviation
Sandra Hoffman, Planning & Dev.
Sarah Demory, Aviation
Scott Coughlin, Parks
Stephen Dudley, Planning & Dev.
Joe Giudice, Public Works
Aaron Kane, Office of Council 7

1. Call to Order/Roll Call

Deputy City Manager Karen Peters called the meeting to order at 10:02 a.m. and Mart Hartman, Chief Sustainability Officer performed the roll call. Deputy City Manager Peters reported that this is the fourth meeting for this subcommittee.

2. Approval of Minutes – November 19, 2021, Electric Vehicle Ad Hoc Education, Outreach and Equity Subcommittee Meeting

Deputy City Manager Peters requested a motion to adopt the minutes. Committee Member Sprague called for a first motion and Committee Member O'Brien called for a second, unanimous pass, motion carried.

3. News and Announcements

Deputy City Manager Peters introduced Mr. Hartman to provide a snapshot of recent news in the EV world.

CITY OF PHOENIX



ELECTRIC VEHICLE AD HOC COMMITTEE: PUBLIC, WORKPLACE & HOME CHARGING INFRASTRUCTURE SUBCOMMITTEE

Mr. Hartman provided a presentation on news in the EV world which included information on the Mercedes off-road concept, Tesla quad for kids, and Spain's EVSE charging goals at gas stations.

Committee Member Sprague mentioned that a CEO of a chain of large truck stops was looking at converting space to EV charging.

Committee Member Potter stated that EV charging stations at gas stations are location dependent, and these locations will have to have other amenities to keep people occupied while charging.

Mr. Hartman continued to present on EV news including information on technology advancements in fast charging and cooling cable technologies, global battery pricing, and EV convertibles.

Deputy City Manager Peters provided highlights on the developer roundtable held by Councilwoman Ansari for Valley Partnership that was held earlier in the month. Members from commercial building groups were present and noted that there is a both support and concern in infrastructure from these groups. The next steps will be to get these groups together with utility groups to better understand the implications.

Committee Member Potter highlighted news from the Arizona Corporation Commission (ACC). The ACC passed the joint utilities statewide electrification plan which includes a tri-annual planning process where programs will be developed from different segments. Additionally, the statewide EV adoption goal was approved as a part of that plan, specifically for APS and TEP service territories.

Committee Member Smith reported from APS, that they were happy about the movement forward.

4. Ad Hoc Subcommittee Timeline Overview

Mr. Hartman reviewed the Ad Hoc Committee Timeline.

Committee Member O'Brien asked for clarification on the city's role and deliverable due dates.

Mr. Hartman clarified that the Committee sunsets on June 30, 2022, and the city intends to complete Spanish translations, education, and outreach, as well as including public input and providing to council in May/June.

CITY OF PHOENIX



ELECTRIC VEHICLE AD HOC COMMITTEE: PUBLIC, WORKPLACE & HOME CHARGING INFRASTRUCTURE SUBCOMMITTEE

5. Deliverables Update

Mr. Hartman reviewed the template framework for the deliverable recommendations from the various subcommittees. Mr. Hartman asked for input on the framework.

Committee Member O'Brien commented that it was a good idea to bring all the ideas together and highlight how the work happened.

Committee Member Smith agreed with the framework template.

Mr. Hartman highlighted that there are similar principles appearing across the various subcommittees and asked which should be used. Additionally, this tool is meant to provide guidance to actions that will allow goals to be achieved. Mr. Hartman reviewed the template and went through various goals and components of the template.

Committee Member O'Brien commented that a streamlined process for permitting could assist in EV adoption and other goals set forth.

Committee Member Potter agreed that permitting is an issue. Furthermore, Committee Member Potter highlighted the NRELs Solar App Plus that is an automated permitting software and wondered if there was an option to use this for EVSE charging.

Committee Member Sprague suggested an interim step, a permit by inspection option. Wherein an inspector completed the inspection and issues the permit on location. Committee Member Sprague suggested a pre-approved or plan package option.

Mr. Hartman included suggestions to the template.

Mr. Hartman highlighted the development of proposals for building and zoning codes. Mr. Hartman asked for input.

Committee Member O'Brien asked for clarification regarding building and zoning codes.

Committee discussion around the topic of building and zoning codes continued.

Committee Member Potter commented that there should be requirements within the code whether it is EV ready, capable, installed type of equipment in each home as

CITY OF PHOENIX



ELECTRIC VEHICLE AD HOC COMMITTEE: PUBLIC, WORKPLACE & HOME CHARGING INFRASTRUCTURE SUBCOMMITTEE

the city makes this transition. Additionally, Committee Member Potter stated that this will be critical in multi-family homes to ensure equitable distribution or access to charging.

Committee Member Sprague stated that incentives should be used and will get people excited to be involved.

Committee Member Smith reported that APS currently has an incentive for new construction for builders that put in make-ready infrastructure into their new builds. Furthermore, building with EV ready infrastructure will be an asset as we see Official Equipment Manufacturers (OEMs) pushing EVs and phasing out of other vehicular options.

Committee Member Johnson stated that industries prefer incentives as a means to forward EV adoption.

Mr. Hartman reviewed assumptions used in preparing the deliverables and recommendations.

Committee Member O'Brien supported having EV ready building codes.

Committee Member Smith asked for clarification between EV capable and EV ready.

Committee discussion around EV capable and EV ready continued.

Committee Member Potter suggested considering the cost between new construction and retrofitting buildings. Furthermore, Committee Member Potter commented that the EV capable level should be the bare minimum for preparing a home or building.

Mr. Hartman included definitions and other recommendations to the template.

Mr. Hartman reviewed recommended goals.

Committee Member Potter reviewed the 2030 goal and asked why it was chosen as well as other clarifications on goals listed in the template.

Committee Member Sprague suggested reviewing codes as early as possible.

CITY OF PHOENIX



ELECTRIC VEHICLE AD HOC COMMITTEE: PUBLIC, WORKPLACE & HOME CHARGING INFRASTRUCTURE SUBCOMMITTEE

Mr. Hartman asked if there was a 100-unit multi-family building how many parking spaces would there need to be.

Committee Member Sprague clarified that it depends on the setting and location. Committee Member Sprague stated that it is not uncommon to see 1.5-2 stalls per unit, however, in an urban setting it is more common to see 1-1.3 stalls per unit. Furthermore, in the urban setting the trend is more 1 per unit.

Committee Member Sprague discussed the equity issue and ensuring that it is affordable to address various equity components.

Committee Member Potter stated that equal access is necessary and might be a part of the stakeholder process.

Conversation continued around the template goals, clarifications, and documentation.

6. Public Comment

Deputy City Manager Peters asked for public comment. No public comment.

7. Future Agenda Items

Deputy City Manager Peters asked for items that subcommittee members would like to include for future discussion. No additional topic ideas were provided.

8. Adjournment

Deputy City Manager adjourned the meeting at 11:16am. Next meeting is Friday January 20, 2022, at 10:00am.