

**ELECTRIFICATION OF TRANSPORTATION INFRASTRUCTURE
STEERING COMMITTEE
MINUTES**

Wednesday, January 15, 2025, **12:00 to 2:00 p.m.**

Rampton Complex, 4501 South 2700 West, Taylorsville, Utah 84129
Redwood A Conference Room, First Floor

Electronic Participation

Google Meet: <https://meet.google.com/poq-vtaf-oen?hs=122&authuser=0>

Phone: 317-597-5209, PIN: 735 462 968#

PRESENT

Carlos Braceras, Steering Committee Chair,
UDOT Executive Director

Abby Hunsaker, Steering Committee Member,
GOEO UEOC Program Director

*Bryce Bird, Steering Committee Member,
UDEQ DAQ Director

David Eckles, Steering Committee Member, IAB
Chair, Merge Electric Fleet Solutions

Hal Johnson, UTA Director of Innovative Mobility

James Campbell, Steering Committee Member,
RMP Director of Innovation and Sustainability

Anca Matcovschi, ASPIRE Chief

Communications and Marketing Officer

Andrew Gruber, WFRC Executive Director

*David Trinko, ASPIRE Lead Research Scientist

*Fawn Groves, ASPIRE

*Julie Bjornstad, WFRC

*Kat Webb

*Kelbe Goupil, Utah Clean Energy

Kyle Goodrick, ASPIRE Senior Power Systems
Research Engineer

Lyle McMillan, UDOT Strategic Technologies
Director

Matthew Maass, UDOT Aeronautics Director

Michael Masquelier, ASPIRE Interim Director

*Paul Damron, UDOT Aeronautics Engineering
Associate Manager

Regan Zane, ASPIRE Engineering Research
Center Director

Sarah Shaffer, IAB Coordinator, ASPIRE

Stephen Handy, IAB Vice Chair, Stephen G.
Handy Marketing

Diane Josie, UDOT Executive Assistant

ABSENT

Emy Lesofski, Steering Committee Member, Utah Office of Energy Development Director

*Indicates virtual participation.

The meeting began at 12:15 p.m.

1. WELCOME AND INTRODUCTIONS - Carlos Braceras

Everyone introduced themselves. Regan Zane briefly explained that Bartly Mathews left ASPIRE and Michael Masquelier has been appointed interim director.

2. REVIEW AND APPROVAL OF SEPTEMBER JOINT COMMITTEE MEETING MINUTES - Carlos Braceras

Abby Hunsaker made a motion to approve the minutes. James seconded the motion. All Steering Committee members voted in favor.

3A. VISION AND STATUS - Michael Masquelier

Michael Masquelier provided two personnel updates. He is the Interim Director of Electrified Transportation Planning. He also mentioned Emy Lesofski who is now the Director of the Utah Office of Energy Development and a member of the Steering Committee.

Michael talked about the big picture vision and what we plan to accomplish. This includes reduced cost to move people and goods, superior air quality, steady use of an advanced energy electrical grid, increased job growth to support a dynamic workforce, and enhanced quality of life.

He spoke about the action plan. This includes a carefully balanced market-driven approach, cyclical 3-year planning process based on 10-year phasing over 30-years, intelligent communication with the electrical grid and traffic management systems, steady use of electrical drive to improve how and when energy is consumed, and industry innovation, creates jobs, and trains a dynamic workforce. Andrew Gruber said he's happy we are talking about long term planning horizons. He mentioned the 4-year cyclical planning process used for the transportation long term plan.

Michael talked about why we love Utah. The Wasatch front corridor provides a perfectly sized urban population and geography, vibrant rural communities with significant energy production, thriving tech industry that fosters a culture of innovation, and statewide educational institutes that can train the workforce.

He spoke about the ideal Electrified Transportation System (ETS). He mentioned the issues involving getting a fleet vehicle from the Wasatch Front to southern Utah. Carlos Braceras asked what a trucker is looking for as far as charging. An issue is the hours of service truckers are limited to, parking, and other logistics.

3B. PROPOSALS AWARDED AND SUBMITTED

The next item Michael Masquelier spoke about is the status of proposals awarded and submitted. They are planning to gather the points of contact for the key agencies to create an aggregated list. They will try to keep it updated on the website. The request to the Steering Committee and IAB is to help them put together the points of contacts and list it on the website. Carlos said one agency he hadn't thought of before is the Division of Facilities and Construction Management (DFCM). They are installing chargers at a lot of state buildings. Lyle McMillan will get the name of the contact to Michael. Michael talked about the possibility of including other contact information on the website.

The first proposal was the UDEQ - EPA Clean Ports Award. It's a \$110 million Clean Ports Program Zero Emission Technology Deployment grant. He said this is the largest environmental grant in Utah history and largest Clean Ports award made to an inland port. He gave some background and talked about the grant. James Campbell said a lot of the grant is related to the work being done by ASPIRE for the last five years. Bryce Bird thanked ASPIRE for their support, it was a partnership effort.

Michael mentioned the UDEQ Beehive Emissions Reduction Plan. Utah was awarded \$74.7 million to implement Beehive Reduction Plan measures.

Michael talked about the USDOT FHWA CFI Corridors 1 grant that was submitted. This was not awarded to Utah. Lyle McMillan said there were approximately 440 applicants and only 42 were awarded.

The next grant Michael talked about was the USDOT FHWA CFI Corridors 2 grant. There were 416 applicants and only 49 were awarded. This grant was not awarded to Utah.

A DOE SuperTruck Charge grant was submitted. Utah just got the award. The project is a \$44 million project to expand the inland port pilot into the state's first large scale heavy duty/medium duty charging site. Carlos Bracerias asked how many trucks can be charged at one time. Michael said approximately 20 trucks at a time. The group discussed the benefits of the ability to do this. Hal Johnson said part of the business case on the bus side is the mileage a diesel bus gets versus the equivalent for an electric bus. He said UTA won the Midvalley grant award from FTA.

3C. STATUS - CONSTRUCTION ACTIVITY AT UTAH INLAND PORT AUTHORITY

Michael Masquelier presented the status of the construction activity at the Utah Inland Port. Construction is moving along.

The EVR Extension and Megawatt charger is installed but not commissioned yet. UPS will run approximately one-third of the packages from West Valley to Logan. Carlos Braceras said this is worthy of an event.

Michael provided an update on the deployment progress for Megawatt charging. More than 1,800 miles of validation testing by a Kenworth Class 8 truck has been completed in Seattle. The truck has been rebuilt after testing to handle Utah's cold climates and mountain passes.

A status on the drayage freight electrification at the Utah Inland Port was provided. Michael talked about the purpose, location, and technology for the Inland Port.

He briefly mentioned the ASPIRE commercial projects.

3D. STATUS - POWER AND TRANSPORTATION SYSTEM MODELING EFFORTS AND IDENTIFYING USE-CASES

David Trinko and Kyle Goodrick from ASPIRE provided an update on the status of the power and transportation system modeling efforts and identifying use-cases.

Kyle talked about the transportation system model and the power system model, the system integration, and the outcomes. He talked about coordinated versus uncoordinated charging scenarios. They can do this for any type of transportation model. Looking at the need for more grid and distribution capacity. Coordinated charging saves money. He talked about the need for grid upgrades. Drivers charge when the price is lowest.

David Eckels said this is really important work. It can lead to significant policy insights. He talked about the cost of the hardware and using a higher powered charger that can be used in a more intelligent and time sensitive way. He hopes that insights like Kyle's can come down to guiding better policies for these types of programs.

Kyle talked about the input data for the model: light duty, medium/heavy duty, public transit and rail, and aviation data. He talked about the power systems data status: static data and dynamic data.

Michael Masquelier said that Stokes Trucking company agreed to open up their telematics database. He said they have been talking to others as well. Carlos asked if they have looked at developing privacy principles to use during the discussions.

3E. STATUS - GOVERNOR'S ELECTRIFIED AVIATION BUDGET

Matthew Maass and Paul Damron talked about the Governor's Electrified Aviation Budget. Matt said it's anticipated that the aircraft will be certified for flight in 2025. They are going to need charging stations at the airports soon. They've requested \$2 million for charging stations. That amount may get two or three stations. The Aviation Subcommittee has developed a matrix to use for the initial roll out of the charging stations. The initial use of the aircraft would probably be for cargo and flight training. They will update the Steering Committee moving forward.

He said these charging stations can be used on EVs, not just planes. They want the charging stations to fit into the majority of aircraft. Regan said as this progresses they will look at how to better implement the technology available. There will eventually be cost-sharing with businesses.

3F. UPDATES FROM STEERING COMMITTEE AND INDUSTRY ADVISORY BOARD

Michael Masquelier said they chatted with Emy Lesofski and met some of her staff yesterday.

Lyle McMillan said in December there was an opening at the Snowville site. Within the next 30 days, Rocky Mountain Power will open their Layton location, followed by the Ivy Creek and Coalville sites. We were awarded \$3.5M to help existing EV structures to be repaired or replaced. They have reached out to over 50 owners. They are having difficulty getting in touch with the remaining approximately 20 owners. UDOT has been pushing for a change to the NEVI program. Within the last 30 days updated guidance has come out regarding off the interstate sites.

Hal Johnson said they did award a contract to Stadler for more light rail vehicles. They are planning for replacement of the blue line vehicles and some expansion.

James Campbell talked about the OEM program. They installed four locations this summer. One is the Millcreek site and is the only site along the Wasatch front. It's fascinating to watch the usage go up. He said without OEM programs, the utilization is probably not going to be as high. He listed some sites that are under construction right now including sites in Ogden, Ivy Creek, Layton, and Orem.

Abby Hunsaker said they've seen a huge surge of energy related projects that have come to them or the Office of Energy Development. There's a huge interest in energy storage and energy production.

Bryce Bird said the kickoff to the next planning effort is underway.

David Eckels reiterated if any members of the Steering Committee have any particular topics they would like the IAB to work on, please reach out to him or Michael.

Andrew Gruber asked as they do long range transportation and land use planning for the Wasatch front, they try to think about technologies of the future. As anyone in the group is doing their work, let him know if they think of anything. He wants to make their plans as effective as possible. Regan Zane asked if they need to formalize a specific time for a meeting during WFRC's planning cycle. Carlos mentioned aligning a meeting or discussion with the quarterly JPAC meetings so that all four MPOs could attend.

4. PRIORITIES AND DIRECTION - Michael Masquelier

Michael Masquelier talked about the FY25 budget breakdown and proposed spending. Budget breakdown includes personnel, contract services, materials and other, and travel. Proposed spending includes community listening sessions, EV readiness plan, and data for modeling.

He would like to tee up a discussion and talk about the grand challenges for future discussion which include infrastructure cost, total cost of ownership for fleets, national highway strategy, commercialization strategy, energy mix and cost, ecosystem reliability, workforce development and training, and community engagement.

5. LEGISLATIVE DISCUSSION - All

Regan Zane wanted to emphasize that they're here to support the Steering Committee. They are staying aware of any bills that are being introduced. They are looking carefully at what passes this year to stay up to date.

Michael Masquelier talked briefly about preparing for the 2034 Winter Olympics. He said we need to align with the UEOC and what they're expecting.

6. COMMUNICATIONS - All

Anca Matcovschi asked everyone to visit the website. The website is UtahElectrification.com. It highlights the work of their partners and the IAB. They have a LinkedIn account as well. If you see any news stories, please let her know. She distributed some brochures to the Committee members as well.

She talked about the upcoming CERV conference in February. Regan talked about the participants/speakers.

7. CALENDAR AND EVENTS - Michael Masquelier

Upcoming events

- Transit Day on the Hill, January 24
- Aerospace and Defense Day on the Hill, January 28
- CERV, February 9-11
- Tech Expo EVR, February 12
- UIPA Ribbon Cutting, March/April
- Steering Committee Meeting, April

8. SUMMARY OF ACTION ITEMS AND ADJOURN - Carlos Braceras

Carlos Braceras summarized the action items.

- We need a contact from each organization to keep the website up to date
- We need to think about the discussions for the next meeting and getting the material out ahead of time. His goal is to get input from all the Steering Committee members.
- Send points of contacts for proposals to Micheal Masquelier, Regan Zane, and Sarah Shaffer.

The meeting adjourned at 2:06 p.m.

DRAFT