



Local Infrastructure Hub: Module 3: Federal Administration Priorities

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Your hosts today



Dr. Shelley Francis

Co-founder and Director,
EV Hybrid Noire

- Co-Founder and Managing Partner of EVNoire to enhance electrification strategies across the country
- Serves as a Board Director for the Electric Auto Association, a National 501c3 advocacy group
- Lead organizer of the Drive The Future-Series, the largest and most diverse electric vehicle event in the country



Kyersten Siebenaler

Manager of Strategy & Innovation,
EV Hybrid Noire

- Manages program implementation and policy priorities for the organization
- Manages external partnerships for EVHybridNoire
- Consults on multimodal transportation electrification strategic planning and stakeholder engagement plans



Brandon Oldham

Infrastructure & EV Solutions Lead,
EV Hybrid Noire

- Facilitates projects that develop and deploy EV infrastructure and assist in outreach and education about EVs and their infrastructure.
- Master of Energy Regulation and Law from Vermont Law and Graduate School



Keiona Miller

Course Deliverer and
Facilitator, NLC

- Instructor and Director at Jackson State University for 14 years
- Served as Corporate Trainer at WorldCom for 7 Years
- Langevin Trained Trainer
- M.A. in History from Jackson State University

Expected Learning Outcomes for Module 3

Upon successful completion of this module, city teams will be able to:

- ✓ ***Understand administration priorities***, particularly those addressing inequities in historically disadvantaged communities and addressing the climate crisis.
- ✓ ***Identify how to prioritize climate, equity, and workforce development*** in their grant application.
- ✓ ***Align the project scope with the mission of the US DOT and the Justice40 initiative*** to support the overall narrative of your grant and constructing an effective and competitive application.



Federal Administration Priorities

Overall Priorities for the Biden Administration

The administration has identified a core set of priorities for its infrastructure investments:

Transform local infrastructure and economies

- Rebuilding critical infrastructure to compensate for decades of public disinvestment, including scaled expansion of national EV charging networks
- Develop the local workforce and create jobs across the country

Lift up historically disadvantaged communities

- Explicitly embedding racial equity at the core of the bill with the J40 promise to ensure 40% of benefits go to disadvantaged areas
- Reduce legacy pollution and restore impacted communities



Mitigate and build resilience to the climate crisis

- Reduce carbon emissions, especially from transportation
- Build community resilience to the inevitable consequences of climate change

Build American Workforce Development & Manufacturing

- Domestic assembly requirements for electric vehicle charging equipment
- All electric vehicle charging equipment supported by federal funds supports American jobs and American technological leadership

Check for Understanding : Administration Priorities

Which of these federal administration priorities do you already plan to address in your project?

- **Transform local infrastructure and economies**
- **Lift up historically disadvantaged communities**
- **Mitigate and build resilience to the climate crisis**
- **Build American Workforce Development & Manufacturing**

Lift Up Historically Disadvantaged Communities

Funding Prioritization

Justice40 Initiative

- The U.S. Department of Transportation (USDOT) has created the Equitable Transportation Community Explorer and Methodology tool that supports the Biden-Harris Administration's Justice40 Initiative.
- Interactive web application that explores the disadvantage communities experience, resulting from underinvestment in transportation, in the areas of Transportation Insecurity, Climate and Disaster Risk Burden, Environmental Burden, Health Vulnerability, and Social Vulnerability.

Community Program Prioritization

- Rural areas
- Low-and moderate-income neighborhoods

Address Gaps

- Projects that are expected to expand or fill gaps in access to publicly accessible charging and alternative fueling infrastructure



Transforming Local Infrastructure and Economies

Publicly accessible charging and alternative fueling infrastructure in communities across the country, including at schools, grocery stores, parks, libraries, apartment complexes, and everywhere else Americans live and work

Filling Existing Gaps & Preparing for More Demand

- Projects that are expected to expand or fill gaps in access to publicly accessible charging and alternative fueling infrastructure
- Meet current or anticipated market demands for charging or fueling infrastructure
- Include faster charging speeds with high-powered capabilities necessary to minimize the time to charge or refuel current and anticipated vehicles on any public road or in other publicly accessible locations

Priority Projects

- Communities with low ratios of private parking spaces
- Communities with high ratios of multi-unit dwellings

Missouri's lower-income communities are getting left out of the push for electric vehicles

Kansas City Beacon | By Meg Cunningham, Connor Giffin
Published May 30, 2022 at 3:00 AM CDT



The Inflation Reduction Act Will Help Electrify Heavy-Duty Trucking

August 25, 2022

By Ari Kahn, Gerard Westhoff, Dave Mullaney

Tenants in Rent Controlled Buildings in California to Gain EV Charging

August 23, 2018, 10:00 AM PDT
By Irvin Dawid

Mitigate and Build Resilience to the Climate Crisis

The transportation sector is our country's largest source of greenhouse gas emissions. President Joseph Biden has set an ambitious goal for half of all new vehicles sold in 2030 to be zero-emissions vehicles.



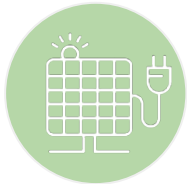
Reducing Greenhouse Emissions

- Projects that are expected to reduce greenhouse gas emissions and incentivize cleaner grid operation
- Transitioning America's cars to EVs is an important pathway to achieving the administration's goal of reducing our emissions by 50-52% below 2005 levels by 2030, and a robust network of public chargers is an important tool to support this transition.



Community Education & Empowerment

- "Educational and community engagement activities to develop and implement education programs through partnerships with schools, community organizations, and vehicle dealerships to support the use of zero-emission vehicles and associated infrastructure"
- Reduce legacy pollution and restore impacted communities



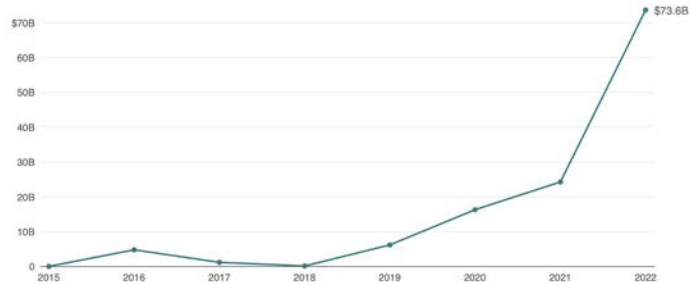
Increasing Resiliency

- Grid updates, V2G, backup generators
- Increasing Energy Democracy / Decreasing exposure and burdens and decreasing transit deserts

Build American Workforce Development & Manufacturing

Made-in-America National Network of Electric Vehicle Chargers

Announced investments in U.S. electric vehicle manufacturing have skyrocketed



Source: Atlas Public Policy
Credit: Kaitlyn Radda/NPR



Workforce Standards

- Ensure that historic investments in EV charging create good-paying jobs and that EV chargers are well-served by requiring strong workforce standards such as Registered Apprenticeships and the Electric Vehicle Infrastructure Training Program (EVITP).
- Develop the local workforce and create jobs across the country

U.S. Manufacturing

- All EV chargers funded through the Bipartisan Infrastructure Law (BIL) must be built in the United States.
- Final assembly and all manufacturing processes for any iron or steel charger enclosures or housing occur in the United States.
- By July 2024, at least 55 percent of the cost of all components will need to be manufactured domestically as well

Domestic Commitments

- Major manufacturing commitments from domestic EV charging manufacturers and network operators.
- Tesla, EVBox, Tritium have all committed to building U.S. manufacturing & production facilities for charging stations.

Setting Up Your Vision & Telling Your Story

Please take 10 minutes to fill out the worksheet in your breakout room.

The Now	Administration Priority →	The Future (Think Big!)	Steps to Get There (i.e. “The Work”)
	Mitigate and build resilience to the climate crisis		
	Lift up historically disadvantaged communities		
	Transform local infrastructure & economies		
	Build American Workforce Development & Manufacturing		



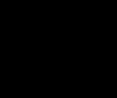
Tools and Templates

Tools & Templates

Tool or Template	Description	You should access this material if...
Federal Administration Priorities Worksheet	This is a general layout for today's presentation that focuses on assembling thoughts on equity, climate change, workforce development and more.	You would like to work on narrative building as it relates to incorporating federal priorities into your project.
DOE Justice40 Guideline Memo (DOT has not yet released theirs)	This is a detailed overview of the Justice40 program specific to the US Department of Energy.	You would like to learn more about what implementation and monitoring of Justice40 initiatives might look like specifically through the US DOE.
FHWA Charging and Fueling Infrastructure Discretionary Grant Program Landing Page	This is an overview of what is expected in the Charging and Fueling Infrastructure program.	You would like to read the topline information for the Charging & Fueling Grant and would like to monitor for new developments and the NOFO.
White House Fact Sheet on Electric Vehicle Charging Network	This brief is from the Biden Administration that goes into their initiatives related to EV charging.	You would like to read the latest information from the Administration on which priorities are top-of-mind and some requirements for different elements of the national charging network.
DOT Justice40 Fact Sheet	This is a detailed overview of the Justice40 program specific to the US Department of Transportation..	You would like to review the available (but limited) information that DOT has provided related to Justice40 expectations.

Tools & Templates

Tool or Template	Description	You should access this material if...
Charging Forward: A Toolkit for Planning and Funding Rural Electric Mobility Infrastructure	This report from US DOT delivers a description of electrification of vehicle fleets in rural areas and the avenues of funding EV projects.	Your city is primarily rural and you are seeking assistance with funding and financing EV charging stations.
Local Government Playbook	Sample timeline and template content from Electrification Coalition, providing pointed walk-through and best practice for pursuing federal grant funding.	You need deeper consideration on project management and determining best path for compiling competitive grant submission.
Electric Vehicles in Rural Communities - Electrification Coalition	This report highlights key factors in the process to add electric vehicles in rural areas.	Your city is primarily rural and you are seeking assistance with funding and financing EV charging stations.
EV Laws and Incentive Database	This resource from the Electrification Coalition provides a compendium of federal and state laws related to electric vehicles, charging stations, air quality, fuel efficiency, and other transportation-related topics. You can also identify incentives provided to EV specific projects.	You are looking at the legal components and requirements involved with building EV charging sites, while also searching for economic incentives.
EV Charging Primer for Municipal Officials	This compendium from NLC provides insights and considerations when developing an EV charging project.	You are unfamiliar with the EV Charging realm and want to build up your understanding on terms and insights.
USDOT's Equitable Transportation Community Explorer	Interactive web application that explores the disadvantage communities experience, resulting from underinvestment in transportation, in the areas of Transportation Insecurity, Climate and Disaster Risk Burden, Environmental Burden, Health Vulnerability, and Social Vulnerability.	



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