

Clark County Transportation Electrification Working Group

Sept. 8, 2022



LOW CLEARANCE 8'-2"

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AGENDA

1. TEWG Members
2. TEWG Update
3. NV Energy Transportation Electrification Plan – Marie Steele, VP
4. EV Economic and Workforce Development
5. EV Infrastructure Ordinance Update
6. Q&A: Public and Interested Parties
7. Next Steps



Ford F-150 Lightning

TEWGW MEMBERS

MEMBERS

- CHISPA
- City of Boulder City
- City of Henderson
- City of Las Vegas
- City of North Las Vegas
- Clark County
- Clark County School District
- NAIOP
- NV Climate Initiative
- NV Department of Transportation
- NV Division of Environmental Protection
- NV Energy
- NV Governor's Office of Energy
- NV Resort Association
- NV State Apartment Association
- Regional Transportation Commission
- Southern NV Water Authority
- Southern NV Home Builders Association
- Southwest Energy Efficiency Project
- The Electrification Coalition
- Western Resources Advocates



Questions?

Post questions in the chat or raise your hand.

Time reserved for Q&A and discussion.

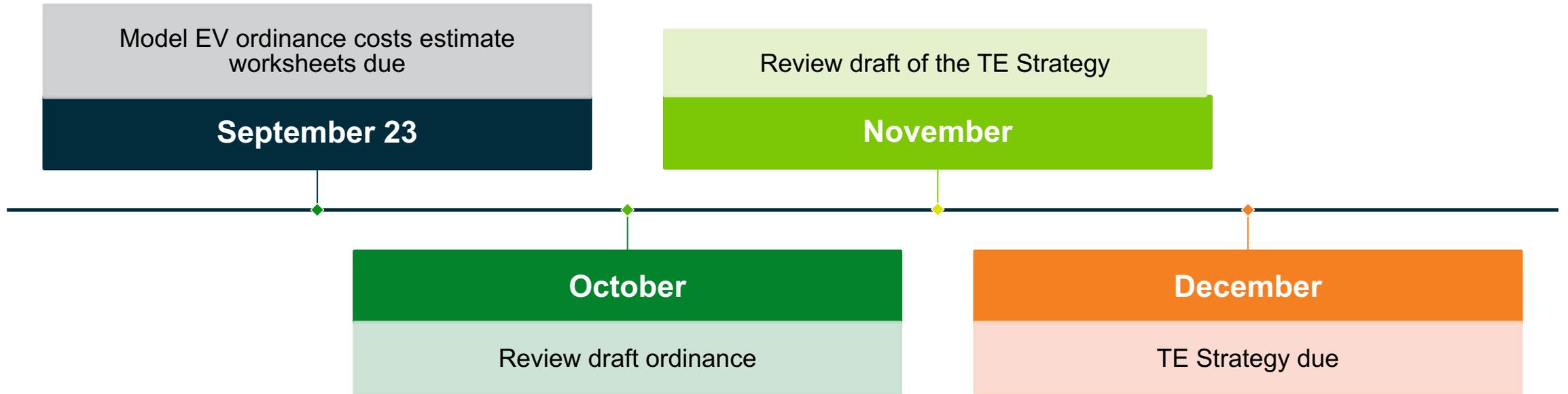


Rivian R1T

TEWG UPDATE

April Bolduc
S Curve Strategies

TEWG TIMELINE SEPT. – DEC. 2022



TE STRATEGY RECOMMENDATIONS

- Current and future projected EV adoption (COMPLETE)
- Projected charging demand for public charging, multifamily, single family, workplace, and historically-underserved communities (COMPLETE)
- Existing EV infrastructure, development needs, and installation planning (IN PROGRESS)
- A model EV infrastructure ordinance and the costs associated with such an ordinance (IN PROGRESS)
- PUCN recommendation (REVIEW NV ENERGY TRANSPORTATION ELECTRIFICATION PLAN)
- Where core government collaborators will house actionable EV goals (OCT.)
- Clark County Clean Cities Coalition goals (OCT.)



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NV ENERGY TRANSPORTATION ELECTRIFICATION PLAN

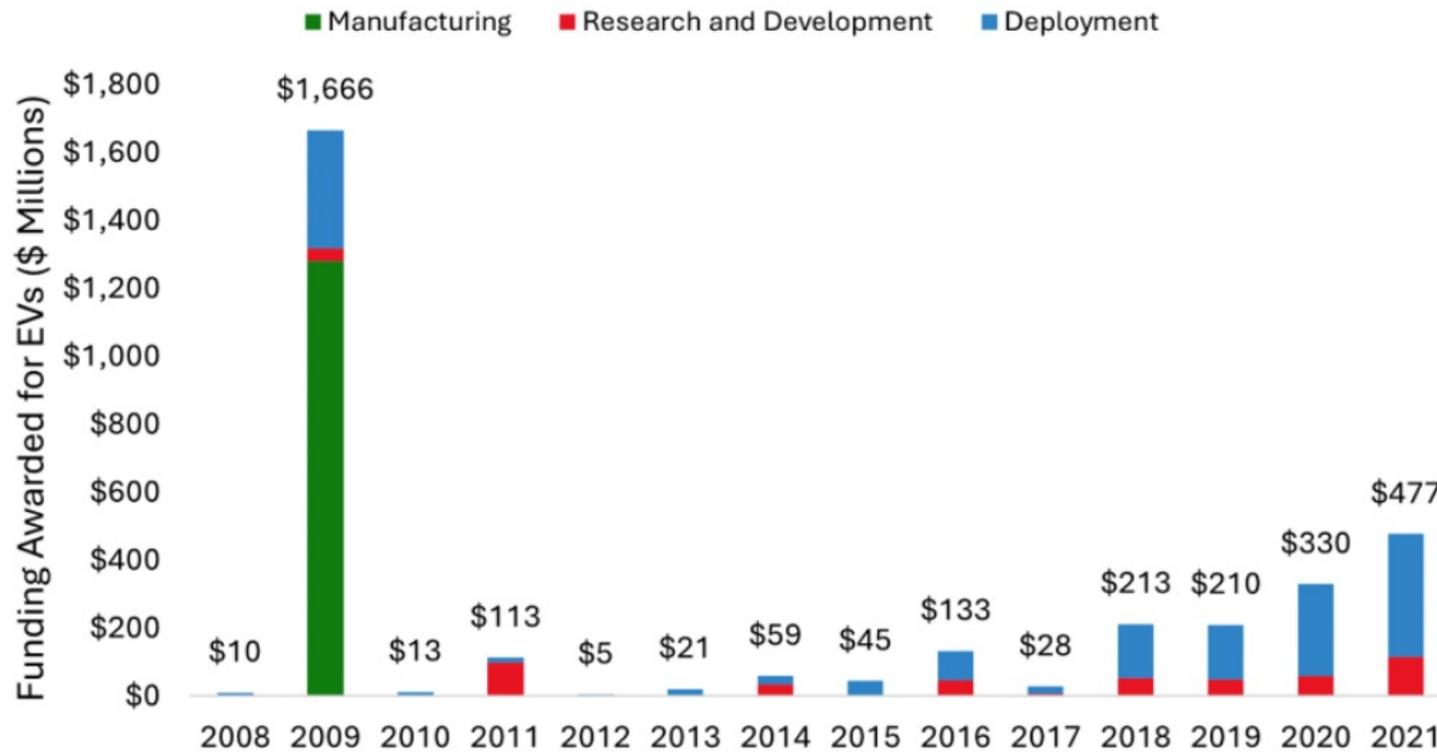
Marie Steele
VP of Electrification and Energy Services

ECONOMIC & WORKFORCE DEVELOPMENT

April Bolduc
S Curve Strategies

FEDERAL FUNDING FOR EVS

\$3.3B in federal funding prior to the Inflation Reduction Act and the Infrastructure Investment and Jobs Act.
60% allocated to electric transit buses. Does not include tax credits.



Source: Atlas EV Hub.

FEDERAL FUNDING

\$100 billion is eligible for EVs in the Infrastructure Investment and Jobs Act and Inflation Reduction Act.

Nearly 30 times the total EV funding awarded by the U.S. government to date.

Source: Atlas EV Hub

WORKFORCE TRAINING NEEDED

“A workforce gap was highlighted where skills are needed to install, report, maintain, and replace charging equipment, and handle the intricacies of different models and designs of charging stations.”

*-Charging station manufacturer feedback,
Nevada State Plan for EV Infrastructure Deployment by
NDOT, July 2022*

CURRENT REGIONAL EFFORTS

- NV Energy Economic Recovery Transportation Electrification Plan (ERTEP)
 - Invests nearly \$100M to:
 - Create labor and Electric Vehicle Infrastructure Training Program requirements established in statute (SB448)
 - Partnering with EV charging station technician apprenticeship programs: Electrical Joint Apprentice and Training Center of Southern Nevada
- NDOT's Nevada State Plan for EV Infrastructure Deployment:
 - Reserves funds to invest in local EV workforce development
 - Will meet or exceed the NEVI workforce certification and consider the statute
- College of Southern Nevada
 - Associate of Applied Science degree in Alternative Fuels and Hybrid Technology

REGIONAL TE PLAN

What other workforce development efforts are currently taking place in the region or are planning to take place?

ORDINANCE UPDATE

April Bolduc
S Curve Strategies

NEW CITY OF TUSCON EV CODE

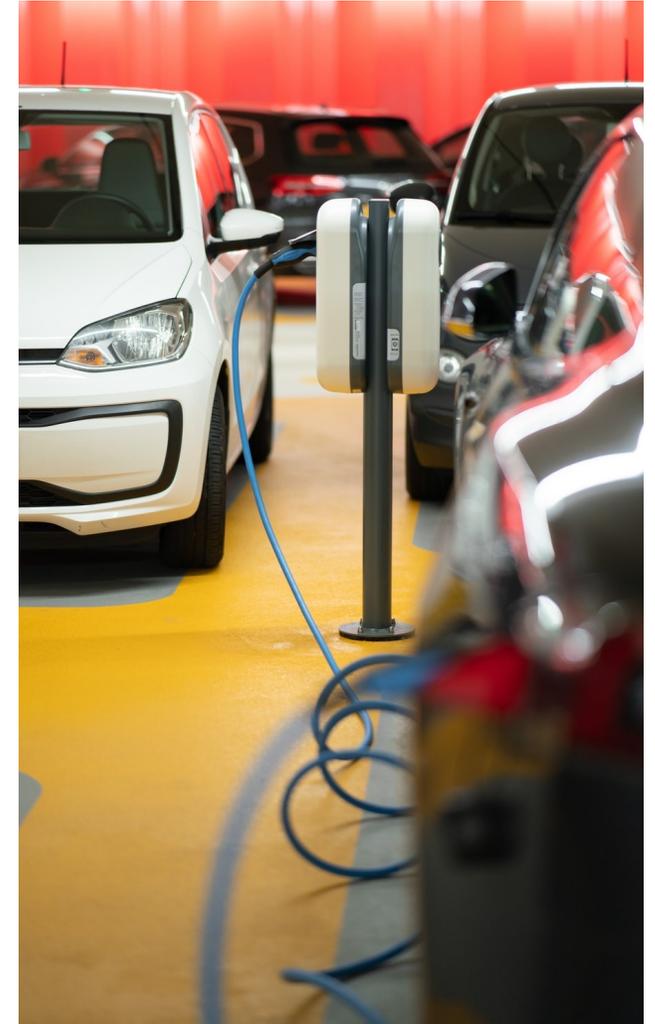
- Effective Dec. 1, 2022, requires all new:
 - Commercial development, multi-family, office, and retail to include EV stations or outlets, as well as conduit to support future expansion of EV capacity
 - Residential (one-and two-family) construction to be EV ready



Source: [City of Tucson News Release](#), Aug. 31, 2022

COST ESTIMATE TEMPLATES

- Estimates due Sept. 23
- Which organizations are submitting EV Infrastructure Model Ordinance Costs Estimate?
- Reach out directly to the utility for line extension estimates
- Discussion or questions?



NEXT STEPS

NEXT STEPS

- Next meeting is in person
 - Oct. 6, 2pm to 4pm
 - Clark County Building Department, 4701 W. Russell Rd., Las Vegas
 - New Oct. meeting registration link:
<https://docs.google.com/forms/d/e/1FAIpQLSdHYbfDPhrkMa3t9PwjrfXThLotCMqItDuWAzb3DDoAcp5nJA/viewform>
 - In person meetings will not be recorded
- All presentations and recordings of virtual meetings can be found
 - On the County website by searching “Transportation Electrification Working Group”
 - or at: https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/sustainability/all-in-clark_county/electric_vehicles/tewg_meetings.php
- Sept. 23 ordinance cost estimate sheets due



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Thank you