



SUITING GEARS

Workplace Charging - Benefits for Employees, Employers and our Community







SUITING GEARS

Part of our Switching Gears series

The **Switching Gears Webinar Series** aims to provide an opportunity for vehicle owners, operators and influencers of all shapes and sizes to build knowledge on transportation electrification topics and build community with others on the same path.

Webinar topics include:

- What's New in Electrified Fleets? Recap & Takeaways from ACT Expo
- Workplace Charging Benefits for Employees, Employers and our Community
- Focusing on Equity and Electrification
- Managed Charging The Secret to our Electrified Success
- Enabling Daytime Charging We are charging wrong, how do we fix it?
- More to come!

https://www.electrifyarizona.org/switchinggears





Our Goals for today

- Our Mission is to accelerate the effective and beneficial transition to electrified transportation across AZ
 - Enabling affordable electrification that makes sense Arizonans through cost effective policies and programs.
 - Electrifying with clean energy in a manner that shapes and shifts load demand growth.
 - Building a charging infrastructure that supports public needs, enables innovation and maximizes effectiveness.
 - Engaging communities to ensure that equity is kept in focus.
 - Enabling economic growth and workforce opportunities.
- We want to provide resources and build community

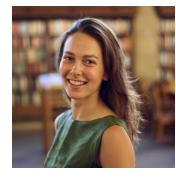




Agenda & Speakers

- Welcome and Introduction
- The Role of Workplace Charging
- Managing & Scaling Workplace Charging with Salt River Project
- Implementing Workplace Charging with City of Phoenix
- Charge@Work program with EV Noire
- Q&A

Workplace Charging Panelists



Rori Kirkpatrick

Clean Energy Strategy and
Implementation Lead, EV Noire

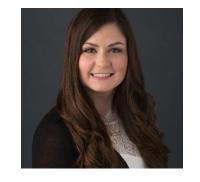




Electric Vehicle Program Manager, City of Phoenix

Karen Apple





Sarah Fitzgerald

Senior Analyst,
Sustainability Policy & Programs







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Why Workplace Charging?



John Heckman

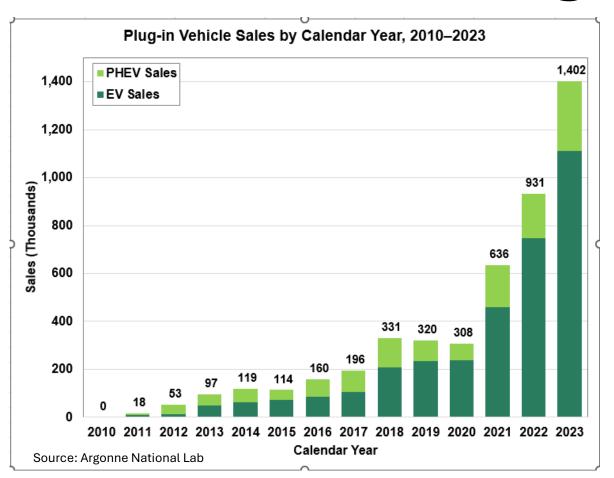
Director, TE Activator &
Electrify Arizona

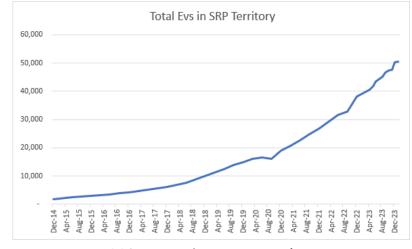




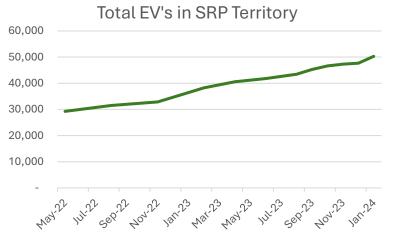
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EV Sales are Taking Off





39% growth rate over nine years



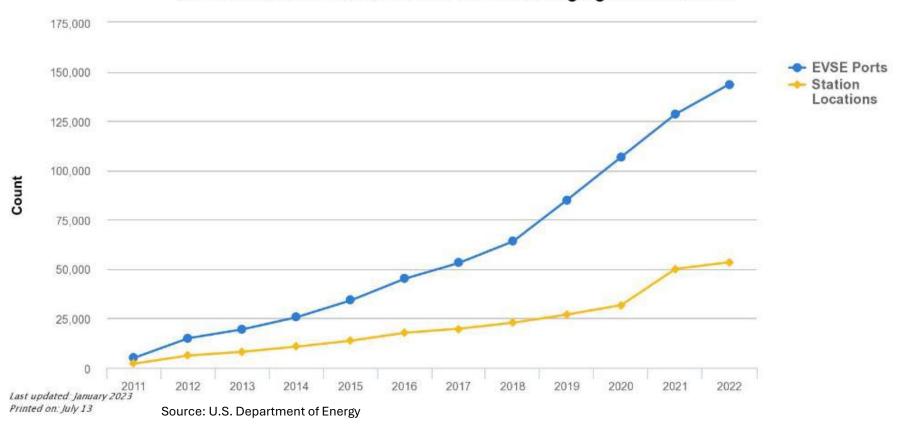
71% growth rate over the last 19 months





Charging Infrastructure is Slowly Increasing

U.S. Public and Private Electric Vehicle Charging Infrastructure







Unprecedented Investments



PUBLIC FUNDING

\$12 BILLION AWARDED



VOLKSWAGEN SETTLEMENT

\$2.9 BILLION AVAILABLE*



BIPARTISAN INFRASTRUCTURE LAW (IIJA)

\$50.3 BILLION APPROPRIATED*



UTILITIES

\$4.9 BILLION APPROVED



INDUSTRY

\$223 BILLION COMMITTED*



INFLATION REDUCTION ACT

\$105 BILLION APPROPRIATED*

Each data point tracks different types of funding (e.g., deployment, manufacturing, or job training).

This summary provides a sense of scale and the range of funding sources.

Source: Atlas EV Hub





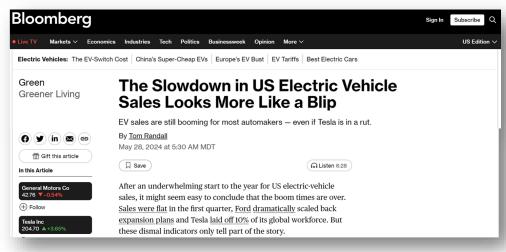
Headwinds are real, but we're still on the right path

us.html



https://www.nytimes.com/2024/04/04/busine ss/ford-delays-electric-vehicles.html





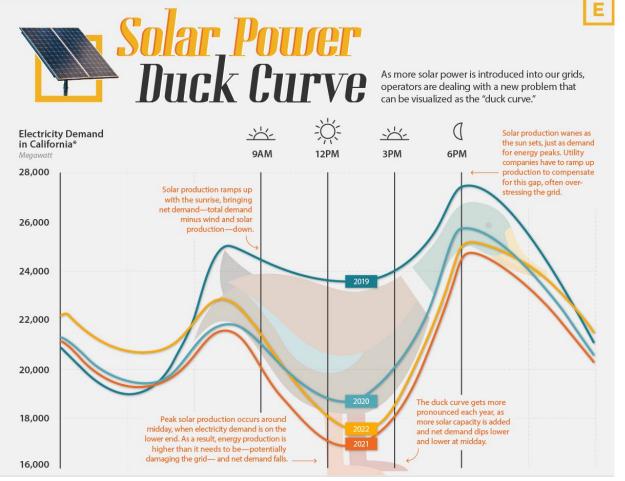
https://www.bloomberg.com/news/articles/2024-05-28/the-slowdown-in-us-electric-vehicle-sales-looks-more-like-a-blip

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Electrification and Clean Energy Must be Navigated Together

As large amounts of solar and wind are added to the system, the "net load" dips substantially in the middle of the day



.... thus, we can shift load to the middle of the day we make better use of cheaper and cleaner electricity!



Source: CAISO; elements. Visual Capitalist.com

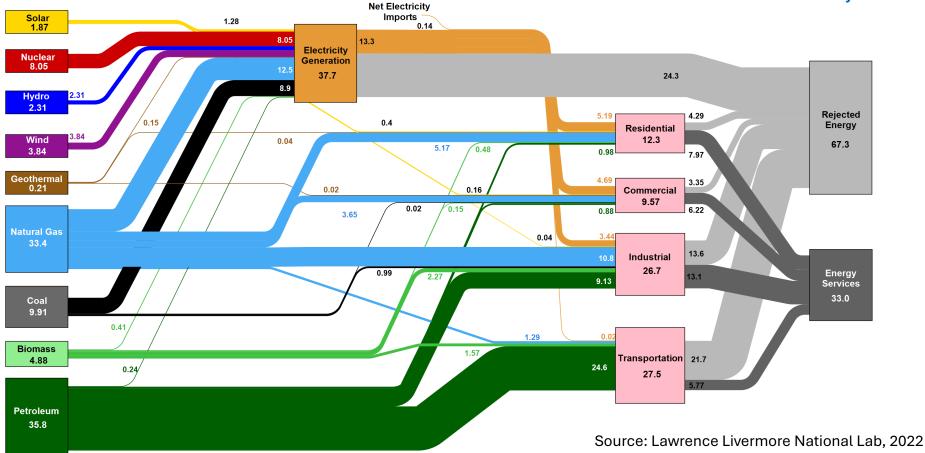


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Be confident electricity is the future!

Estimated U.S. Energy Consumption in 2022: 100.3 Quads



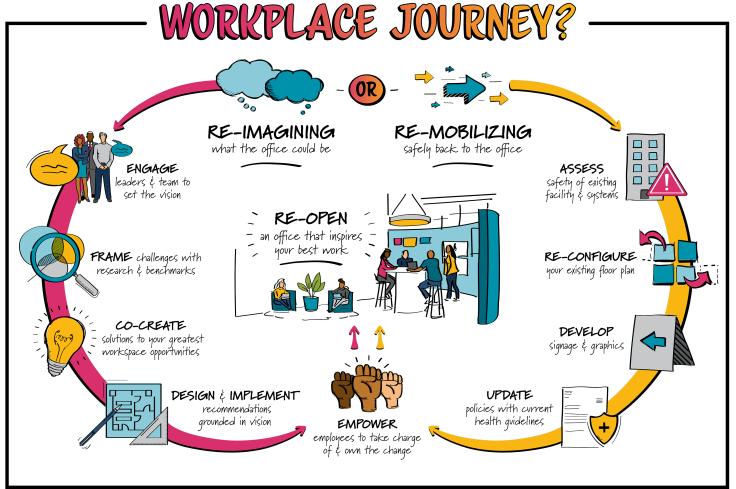






Back to Why Workplace Charging?

WHERE ARE YOU IN YOUR







Additional Perspectives from EV Noire

The need - American drivers want EVs

- Cleaner air and a healthier environment
- · Greater local energy independence
- Lower fuel and maintenance costs for owners
- A stronger, more technically advanced, competitive economy

▼ TE ACTIVATOR

chargeatwork.org

EN ELECTRIFY ARISONA

The need – EVs are on the rise

40–50 +%

By 2030, EVs will represent 40 to 50+% of total passenger car sales.

Source: Various

Chargeatwork.org

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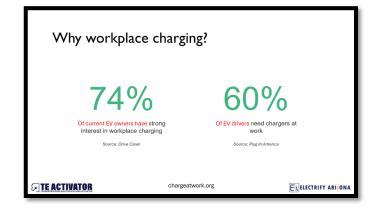
EV charging benefits workplaces

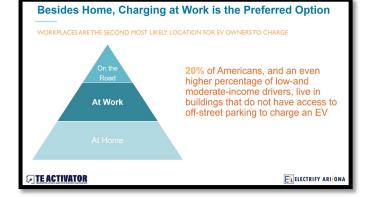
- Employee retention and satisfaction
 - Lower fueling and maintenance costs
 - Range confidence for employees with longer commutes
 - Equal access to charging for employees who are unable to change at home
- Alignment with sustainability goals and company values
- Smart, community-driven leadership
- Healthier air and communities
- Reduces barriers to owning an EV

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Questions to Ponder

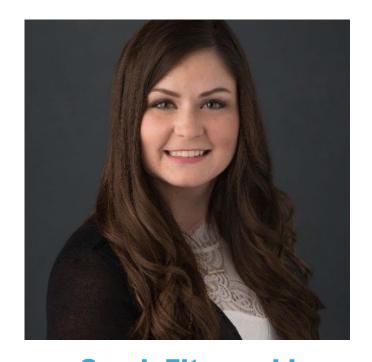
- What is your need for workplace charging now, and what will it become?
- How can workplace charging help create the workplace culture we are striving for?
- How could workplace charging deliver measurable benefits for my company?
- When is the right time to implement a workplace charging program?
- What does it cost to implement and operate workplace charging?
 What are the options to consider?





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Perspectives & **Experience** on Workplace Charging at Salt River **Project**



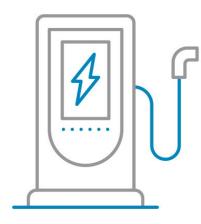
Sarah Fitzgerald
Senior Analyst,
Sustainability Policy &
Programs







SRP's 2035 Sustainability Goals



Transportation Electrification Goal

Support adoption of 1 million* electric vehicles (EVs) in SRP's service territory and manage 90% of EV charging

*As forecasted by third-party industry consultants





SIMBILLE GEARS

SRP's Workplace Charging Program

Began in 2011

- Free charging. First come, first-serve
- Typically, prime parking locations
- 380 employees own EV's
- 479 charging stations across 19 facilities
 - Employee Chargers: Level 1 and 2
 - Fleet Chargers: Level 2 and DC
- Electrifying fleet vehicles, service trucks, forklifts, etc.











Rapid Adoption Hurdles



- More EV's than chargers at select facilities
- EV growth outpacing infrastructure
- Reducing facility portfolio

- Employee charging behavior
- Charger limitations
- Cost



- Updating infrastructure to support long-term growth
- No longer placing chargers in prime spots
- Repurposing chargers

- Updating WPC policy/etiquette
- Portable charger pilots
- Smart chargers







SRP Business Electric Vehicle Rebates

savewithsrpbiz.com/ev

LEVEL 2 EV CHARGER

SRP Customer Segment	Rebate	*Disadvantaged Community Rebates	Preapproval Required?
General Business	\$2,500 per port (Up to 75% Project Cost)	\$3,500 per port (Up to 100% Project Cost)	Yes for rebates above \$15,000
Government, Tribal, Schools, Nonprofit, Multifamily	\$4,000 per port (Up to 100% Project Cost)	\$5,000 per port (Up to 100% Project Cost)	Yes for rebates above \$15,000
New Construction Pre-Wire	\$300 per outlet	N/A	N/A

DC FAST EV CHARGER

SRP Customer Segment	Rebate		Preapproval Required?
	1-4 Station(s)	5+ Stations	
General Business	Maximum \$20,000 per location (Up to 75% Project Cost)	Maximum \$40,000 per location (Up to 75% Project Cost)	Yes
Government, Tribal, Schools, Nonprofit, Multifamily	Maximum \$25,000 per location (Up to 100% Project Cost)	Maximum \$45,000 per location (Up to 100% Project Cost)	Yes

Looking to electrify your fleet?

- Contact us to connect with a fleet electrification expert.
- Review your current fleet with a trusted adviser to develop your EV conversion roadmap.
- Get a customized analysis with estimated cost savings, incentives and greenhouse gas reductions.
- Discuss personalized recommendations on EVs to improve your bottom line, the community and the environment.
- Get rebates from SRP to reduce electrification costs.





Perspectives & Experience on Workplace Charging at the City of Phoenix



Karen Apple

Electric Vehicle Program Manager, City of Phoenix

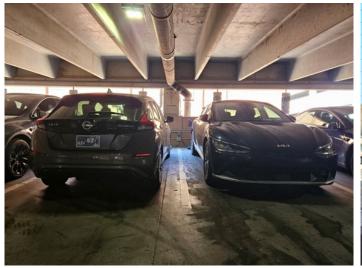






City of Phoenix Workplace Charging Stats

- 9 City Facilities
 - PHX
 - PCC
 - PTD
 - PD
 - WSD
 - PCH
- 146 ports (126 L1 // 20 L2)
- 127 BEVs in downtown employee parking
- No cost to employees
- Save GHG emissions and fuel costs





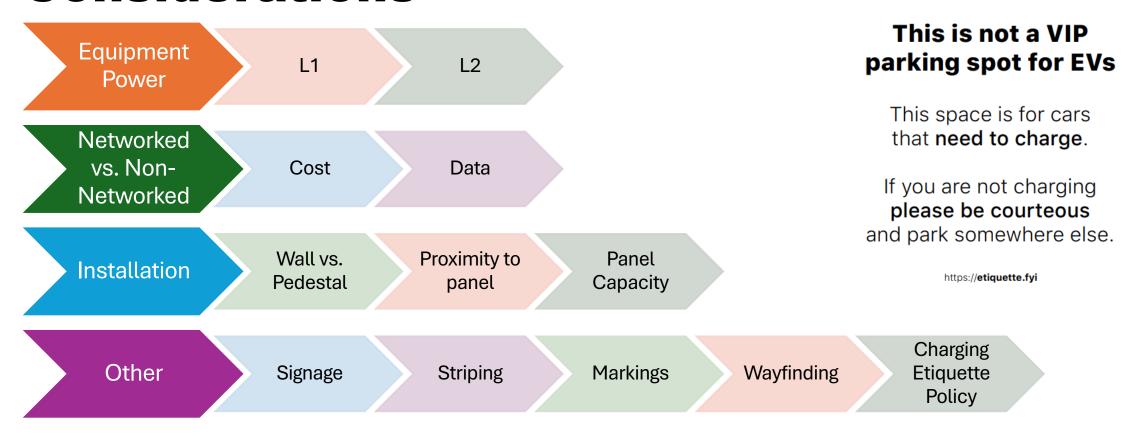








City of Phoenix Workplace Charging Considerations







Resources to make the most of Workplace Charging:



&





Rori Kirkpatrick

Clean Energy Strategy and Implementation Lead, EV Noire

#EVNO!RE

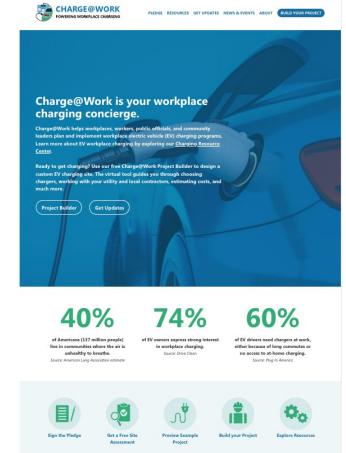




What is CHARGE@WORK & how can

it help?

- A DOE-funded national workplace charging program with a focus on education, outreach, and technical assistance
- Helping employers go from idea to implementation
- Objectives:
 - 1. Spur greater EV adoption by enhancing driver confidence in charger accessibility
 - 2. Expand access to electric mobility in underserved communities
 - 3. Create a self-sustaining market for workplace charging



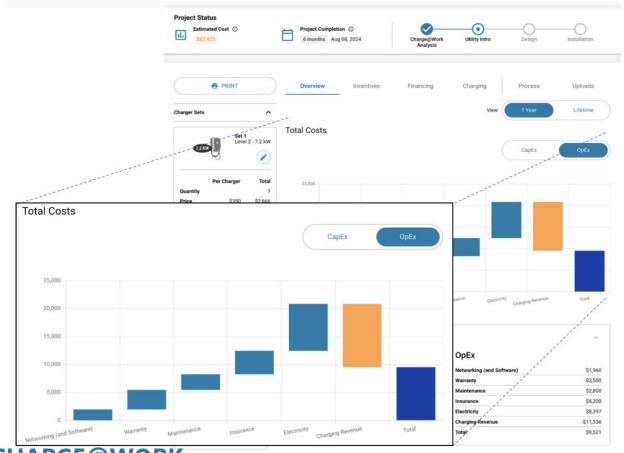
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C@W Resource Center & Project Builder

Free charging project management tool supports employers by providing:

- Equipment and Installation Cost Estimates
- Incentives Database
- Charger Catalog
- Project Planner
- Free Site Assessments



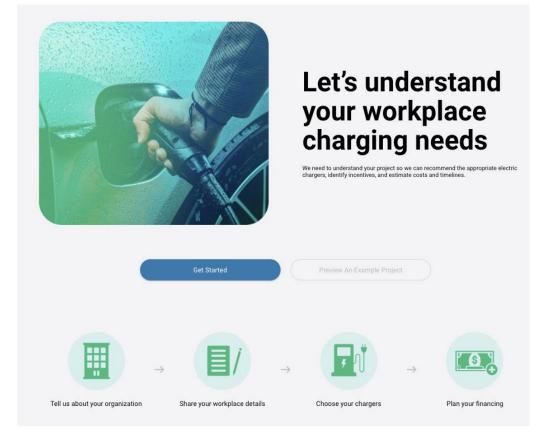






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Build Your Project



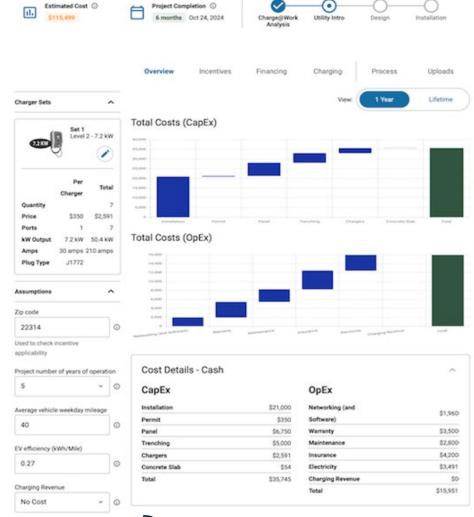






Project Status

Dashboard

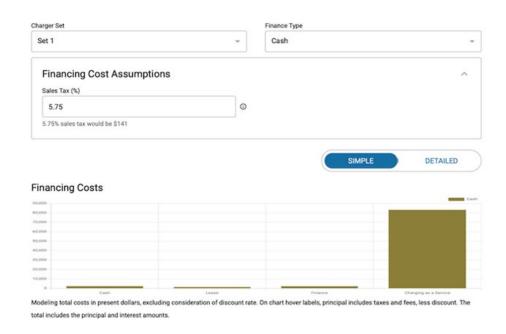








Cost Worksheet



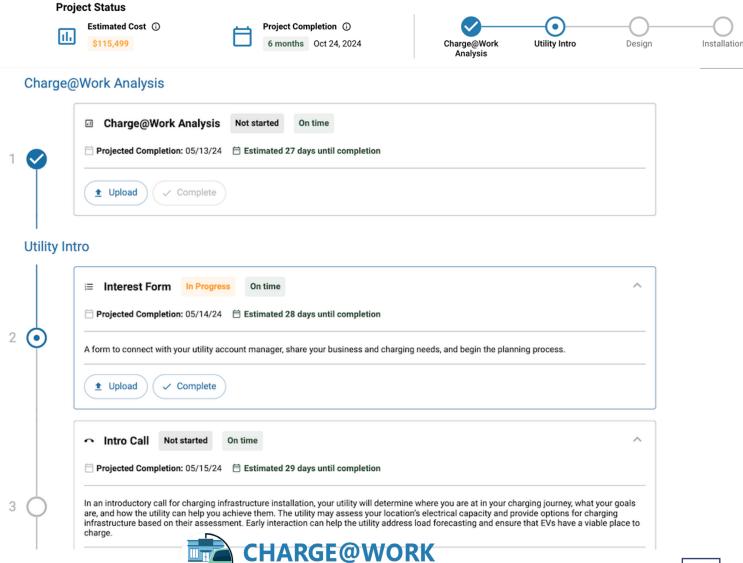








Project Planner



POWERING WORKPLACE CHARGING





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What is EVAL?

Electric Vehicle Adoption Leadership (EVAL) is a certification program that provides technical assistance and recognition to organizations that support the adoption of clean transportation.

EVAL certification indicates the availability of clean transportation options and opportunities for staff at a workplace.

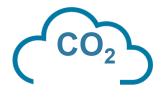






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Becoming a Leader in Electric Mobility is Great for Employers



Demonstrate sustainability leadership



Increase property value



Attract and retain talent







What is EVAL?

EVAL certification distinguishes businesses for the sustainable actions they

make.



15 - 39 points



40 - 54 points



55 - 69 points



70 - 100 points







Easy Certification Process



Register your organization by completing key information

Apply for EVAL certification

Access digital resources and templates

Connect with Forth or community members for additional support

Submit your application

Receive your certification and get recognized!







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Certification Process Includes:

Employee Engagement Understanding employee e-mobility needs

Planning & Evaluation

Initiating planning and evaluation for the workplace charging program

Mobility Incentives

Incentivizing the adoption of e-mobility

EV Charging

Expanding access to EV charging stations

Innovation

Showcasing sustainability leadership through innovative and regional programs

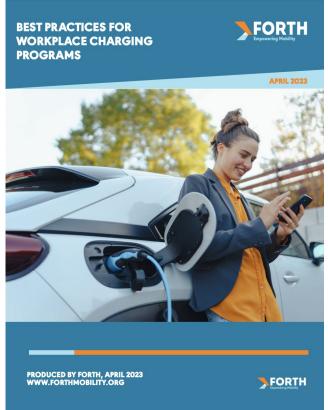


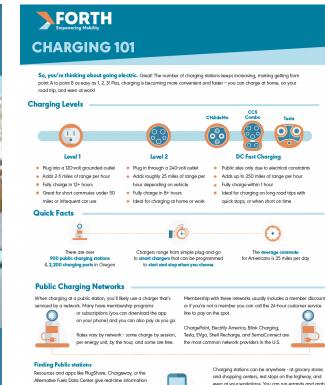




Recognition & Resources

- Webinars
- Template surveys and forms
- Directory of local providers and installers
- Employee education resources
- Program Implementation Guide
- Best practices





on charging station locations, pricing, nearby amenities,

and availability. Google Maps also now shows charging







The average commute

a meal while you're charaing up, plus some charaing

stations can communicate with your car and phone so you control when charging occurs.

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How Much Does It Cost?

- The EVAL Certification application is waived until October 2024.
- After November 1, 2024, a fee will be implemented to certify each location.
- EVAL does not require recertification.







Join the Certified Sustainability Leaders















































































船 OhioHealth





























What's Next?



- 1. Sign up for updates www.chargeatwork.org
- 2. Start planning with our Project Builder
- 3. Sign up for a free site assessment
- 4. Take the CHARGE@WORK pledge



- Review resource toolkit at https://www.evalcertification.org/
- 2. Start the **EVAL Certification**!
- 3. Connect with us on social media!









Connect with us!







&

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Rori Kirkpatrick

EV Strategy Specialist

Rori@EVNoire.com

chargeatwork.org | evalcertification.org





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Questions to Ponder

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Questions from Participants?





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Please register for our next webinar!

https://www.electrifyarizona.org/switchinggears

Have an idea for a webinar? Send us a note at info@electrifyarizona.org





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Thanks!



