







Letter from the Executive Director	03
Letter from the Board President	03
PROGRAMS	04
Community Carsharing (GoForth CarShare, SiLVERS, CRuSE)	06
Forth Mobile Showcase	07
Workplace Charging (EVAL/LEEP)	07
Micromobility (Cascadia Mobility, Micromobility Workshops)	08
Electrifying Rideshare	09
Electric Tractors	09
INDUSTRY NETWORK	10
Events & Partnerships	11
Fundraising	12
Membership	12
Membership	12
POLICY	13
National Policy Work	14
Pacific Northwest Policy Work	14
TEEM (Towards Equitable Electric Mobility)	15
ORGANIZATION	16
Diversity, Equity and Inclusion	16
Financials	17
Forth Staff	., 17
Forth Board	18
Forth Members	18
	10





INTRODUCTION



The year 2021 may well go down in history as the turning point for electric vehicles. This was the year that automakers and governments began to seriously commit to 100% zero emission vehicles and began backing those commitments with the scale of investments in new plants and new infrastructure that will be required to meet those ambitious goals within the next decade.

Near the end of the year, the Bipartisan Infrastructure Law included the largest federal investment in transportation electrification ever made, with over \$30 billion in potential funding for school buses, electric micromobility and charging infrastructure.

In short, 2021 was arguably the most transformative year we've seen to date. You can read more about our work in this report.

And yet, 2022 may well be even more important. We will be challenged collectively to rapidly scale up our work while ensuring that the mobility needs of historically underserved populations are centered as never before. To meet this moment, Forth recently completed a major update to our strategic plan, clarifying our unique role in advancing this important work.

Check it out and let us know how we can best support you in our collective work to build a clean and equitable transportation system.



JEFF ALLEN
Executive Director

#### **BOARD PRESIDENT'S LETTER**

When I served as the founding board President at Forth (then known as Drive Oregon) a decade ago, it would have been hard to predict where this organization would go. There were barely a handful of electric vehicle models available in 2011, and fewer than 20,000 sold nationwide that year. Forth was a new idea, with a modest budget and one staff person. Obviously, a lot has changed since then, as both Forth and the broader transportation electrification industry have matured.

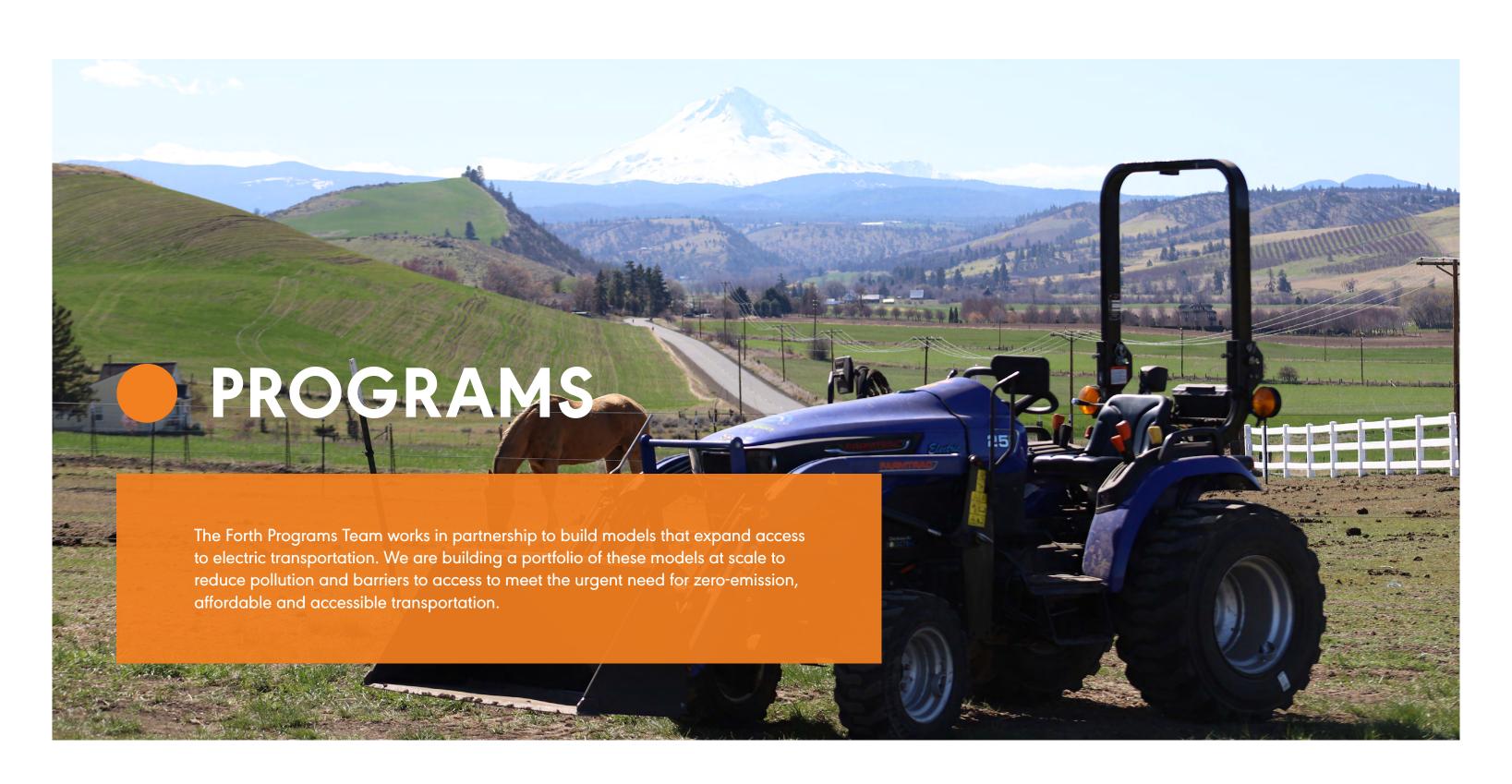
Forth has grown to a staff of over 30 professionals working across the country on a wide range of efforts to increase access to electric vehicles, charging and new transportation modes and technologies. Our commitment to centering racial equity has also deepened and led to the launch of innovative partnerships such as our TEEM Community of Practice. (pg 15)

Through all of this change, a few things remain constant. Forth remains committed to bringing together diverse stakeholders, developing and testing innovative programs and advancing best practices and policies.

I was pleased to return to the board and to the President role. I look forward to seeing where the next decade takes us!



**TIM MILLER**Board President





### POLICY (STATES REPRESENTED IN LIGHT BLUE)



Arizona Nevada New York California Colorado North Carolina Florida Oregon Hawaii Virginia Illinois Washington

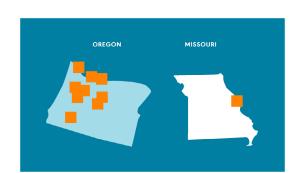
Michigan

#### **PROGRAMS**

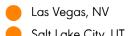
#### **CARSHARING**

**CRuSE Program -** Hood River, OR **AMP PNW -** Ashland, Bend, Corvallis, Eugene, The Dalles, LaPine, Clatskanie, Philomath, OR

SiLVERS Program - St. Louis, MO



#### **RIDESHARE DRIVER AMERICA CITIES CLIMATE OUTREACH CHALLENGE (ACCC)**

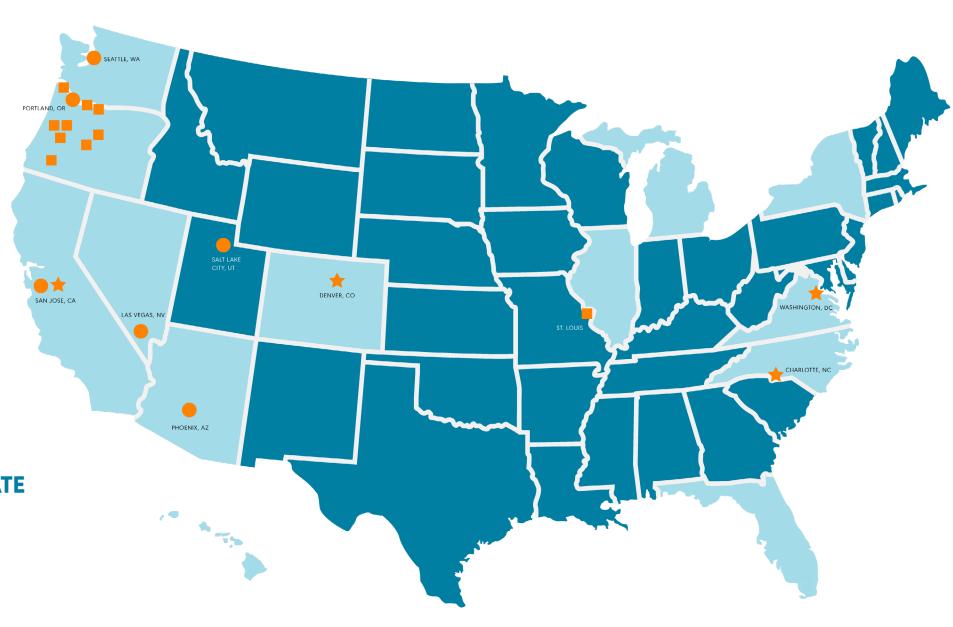


Salt Lake City, UT

San Jose, CA Seattle, WA









# COMMUNITY CARSHARING

Carsharing is rarely available in rural areas. Much like a national highway system and utility coverage includes access for remote and lesserpopulated areas, the same must hold true with the availability of clean transportation options, including both cars and charging. That is why Forth has developed multiple programs GoForth CarShare, The Clean Rural **Shared Electric Mobility Project** (CRuSE) and the St. Louis Vehicle **Electrification Rides for Seniors** (SiLVERS) to increase access to electric cars and charging throughout the country.

Forth received a \$5 million award from the Federal Department of Energy's Vehicle Technology Office to scale EV carsharing nationally as the Affordable Mobility Platform (AMP). Program. Over the next three years, Forth will be working with more than 40 partners to bring 70 new carshare vehicles to affordable housing complexes in at least seven cities across the country.



#### Goforth Electric Carshare

**PROGRAMS** 

This program, launched in February of 2022, provides carsharing and free, no-contact, self-service EV test drives for underserved communities and affordable housing residents across Oregon and Washington. The vehicles can also serve as utility and community-based organization fleet vehicles.

The first 10 GoForth CarShare vehicles are being placed in the Bend, La Pine and Philomath areas of Oregon, with other sites to be operational soon.



# ST. LOUIS VEHICLE ELECTRIFICATION RIDES FOR SENIORS (SILVERS)

Forth launched the St. Louis Vehicle Electrification Rides for Seniors (<u>SiLVERS</u>) program, an electric vehicle (EV) shuttle service in St. Louis, MO, in the fall of 2021.

SiLVERS provided **five Chevy Bolt EVs** to the <u>Northside Youth and Senior Service Center</u> (NYSSC) and <u>City Seniors Inc.</u> (CSI) to provide non-emergency rides to elders and distribute food to homebound seniors in North and South St. Louis. Additionally, five EV charging stations were installed in the city.



### THE CLEAN RURAL SHARED ELECTRIC MOBILITY PROJECT (CRuSE)

Forth launched The CRuSE Project, a program for community carsharing in Hood River, Oregon in June of 2021. Residents and visitors now have access to **five Honda Clarity EVs** and five charging stations with ports throughout Hood River at affordable housing sites, the city center and tourist areas.

#### MOBILE EV SHOWCASE

In order to expand and increase knowledge and exposure to electric transportation options, particularly in rural and underserved communities, we created The Forth Mobile Showcase.

The Showcase serves as an interactive education space with information on electric vehicles, charging, trip-planning, micromobility and more. Funded by Pacific Power, Forth partnered with The Environmental Center, Sustainable Northwest and the African American Alliance for Homeownership to help bring the electric vehicle experience to new communities throughout Oregon.

### **WORKPLACE CHARGING**

People who can charge at work are far more likely to purchase an electric vehicle. Workplace charging is also an important solution for people who can't charge at home.

Forth was awarded **\$4 million over three years** by the <u>U.S. Department of Energy</u> to develop a national workplace charging campaign. Forth will build upon the <u>EVAL (Electric Vehicle Adoption Leadership) certification</u> pilot that makes it easy for employers to provide electric vehicle charging, and easy for utilities and other partners to support them in doing so.

Forth will certify and recognize participating organizations to encourage participation and accelerate EV adoption. Six organizations - City of Hillsboro, Oregon Food Bank, Vernier Software, Portland State University, Oregon Health & Science University, Oregon State University - have already been certified as part of the EVAL program.









# **MICROMOBILITY**

**PROGRAMS** 

Shared electric bikes and scooters can provide an important mobility solution - but are often unavailable in smaller communities, or historically underserved neighborhoods. Forth has established multiple programs to expand this important form of transportation.

# **CASCADIA MOBILITY**



<u>Cascadia Mobility</u> is a new nonprofit within Forth with a mission to launch and operate equitably shared mobility programs in partnership with small to mid-sized Pacific NW cities and transit agencies.

Forth and Cascadia Mobility were selected by The City of Eugene to operate PeaceHealth Rides, the city's bikeshare program. Through the program, over 10,000 users logged over 100,000 trips and 150,000 miles.

# **ELECTRIC-MICROMOBILITY WORKSHOPS**

Forth hosted six electric micromobility workshops providing access and safety education for shared e-micromobility at the Hacienda Community Development Corporation locations. The workshops emphasized connections with public transportation systems, access to essential services and commuting and recreation.

### **ELECTRIC TRACTORS**

The cost of diesel fuel can be a major challenge for farmers, especially since pricing can vary widely and diesel exhaust and noise can make farming conditions hazardous. Despite great advancements in the electric passenger vehicle market, electric agricultural sectors have lagged behind.

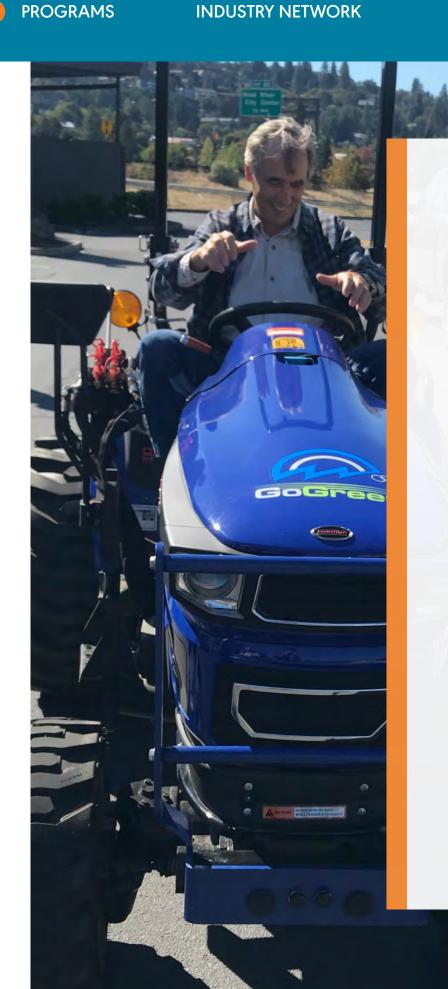
Forth, with partners Sustainable Northwest, Bonneville Environmental Foundation (BEF) and Wy'East RC&D launched an electric tractor pilot program this year. The tractors are equipped with remote sensors that allow the team to measure potential cost savings and collect data on tractor use-cases.

Approximately 500 people were directly engaged in several E-Tractor events throughout 2021, including Oregon Senator, Jeff Merkley, (pictured). The team owns two electric tractors and will be expanding its fleet to include additional electric agriculture equipment.

# **ELECTRIFYING RIDESHARE**

Switching to an electric vehicle can help rideshare drivers economically, while also dramatically reducing pollution from these high-mileage vehicles. However, rideshare drivers face a range of challenges in accessing and using electric vehicles.

Forth has been working with drivers to address awareness and education around EVs and charging. We conducted extensive outreach with drivers in San Jose, CA, Portland, OR and Seattle, WA, and created a Fair Financing Pilot to help gig and rideshare drivers access low-interest financing for electric vehicles.



# THE ROAD AHEAD

Forth is surveying and collecting data on the driving and charging habits of EV rideshare drivers in Portland, Las Vegas, Salt Lake City and Phoenix to understand the need for future charging infrastructure installation as part of the Department of Energy-funded WestSmart At Scale project.

Forth is partnering with Metropolitan Family Services in Portland, OR. to "electrify" their Ways to Work program which helps lowincome borrowers access fair loans. Forth will counsel potential buyers about electric options and train staff about EVs.

Cascadia Mobility plans to expand bike share access and fleet size and to launch a shared e-scooter pilot in Eugene, OR. and other Oregon communities.

The E-Tractor team is hoping to dramatically expand the geographical footprint of the program and broaden our work to electrify America's farms. We are excited to be bringing electric tractors to Portland, OR. This project also includes the purchase of an electric pickup truck to help with farm tasks and "farm-to-market" produce transportation.







### **EVENTS AND PARTNERSHIPS**

Forth convenes a wide range of stakeholders to collaborate in advancing equitable transportation systems, helping them work together and promoting the best practices that emerge from these partnerships.

The Forth Roadmap Conference included over 100 speakers, 39 sponsors, 22 partners and over 800 registrants this year. We are thrilled to reconnect in person this year at the Forth Roadmap Conference, June 29-20 in Portland, OR.

- The focus of this conference has never been more relevant or more timely."
- PETE BUTTIGIEGU.S. Secretary of Transportation
- Forth joined forces with EVNoire to present the E-Mobility Diversity, Equity and Inclusion Conference, bringing together over 1,000 registrants from across the country for virtual sessions and conversations around equitable e-mobility.
- Forth hosted **18 webinars** for **3,327 attendees** from over 30 countries with the support of **12 sponsors and partners** in 2021.



#### **FUNDRAISING**

The fundraising team seeks out transportation electrification funding opportunities that align with our strategic focus areas.

Forth was the prime applicant on 27 grants awarded in 2021 totaling \$3.5 million for Forth, \$19.3 million in total (including \$5 million in required 3rd-party matching funds) and engaging 130 partners in the proposed work.

Forth won two US Department of Energy grants totaling \$9M for two national programs: The Affordable Mobility Platform (AMP) and The Leadership of Employers for Electrification Program (LEEP).

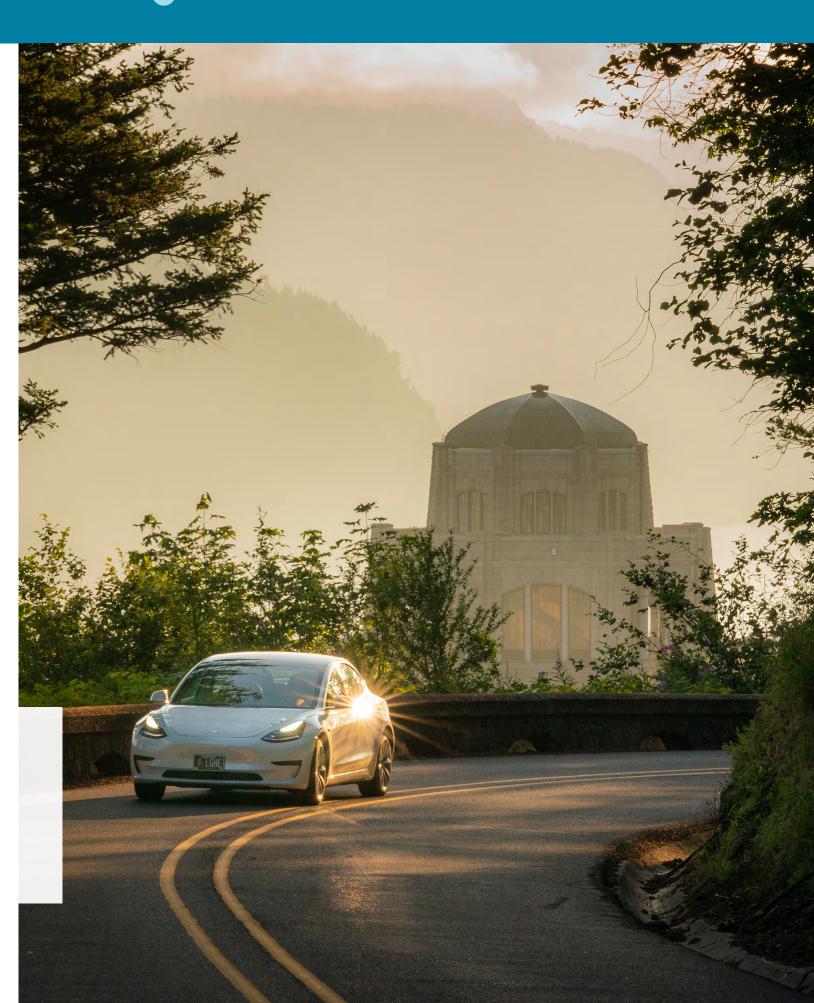
### **MEMBERSHIP**

Forth helps members connect with partner organizations, policymakers and stakeholders to reach new markets and support sector growth to advance equitable, smart transportation in the U.S. and beyond.

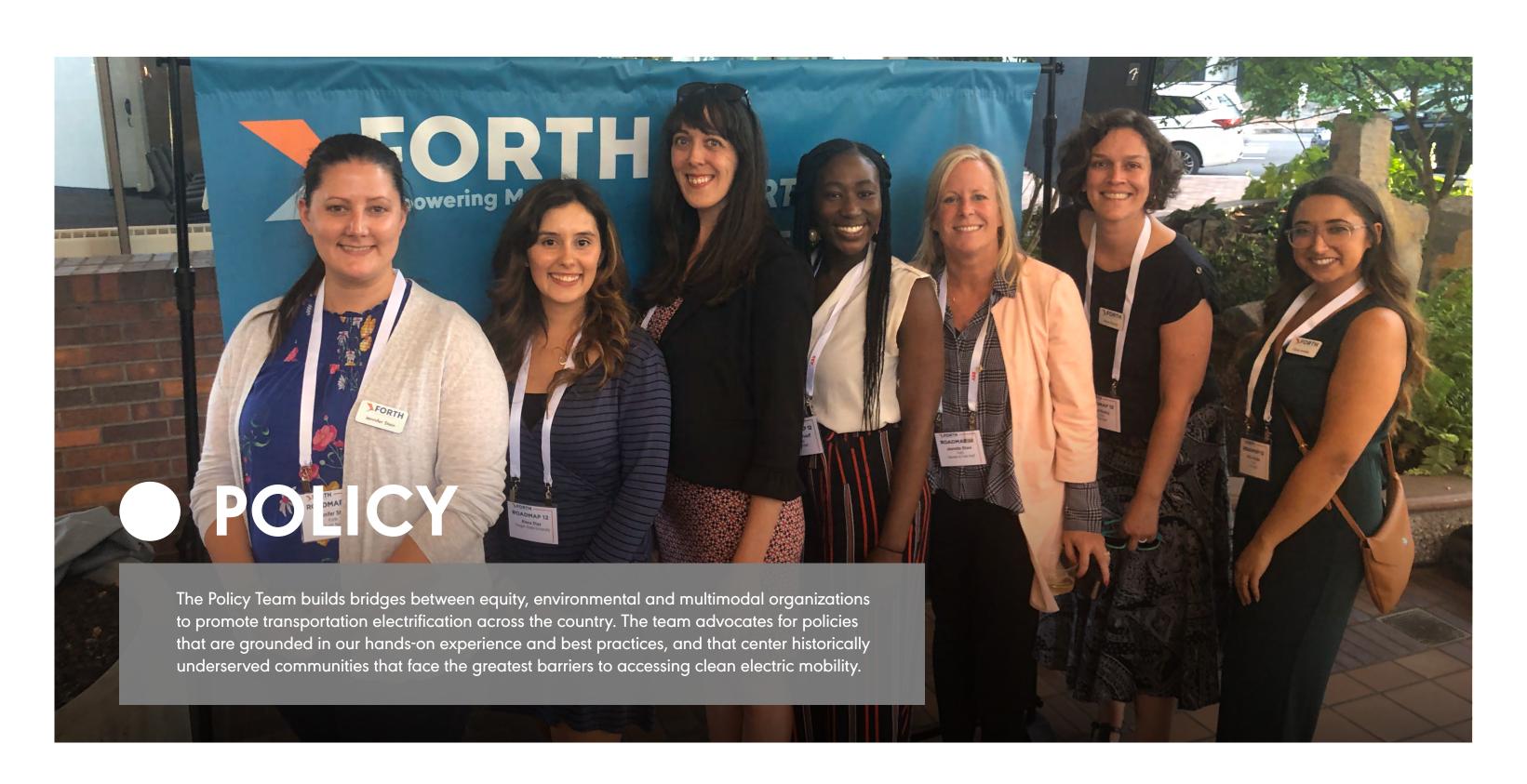
**Forth added 42 new members** to bring our total to 150 this year. We want to thank our five Champion members (Honda, Portland General Electric, BMW, Nissan, Black and Veatch), 20 Premium Partners, 27 Partners, 32 Supporters and over 90 Friends.

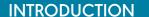
# THE ROAD AHEAD

We are thrilled to host the <u>Forth Roadmap Conference</u> in person in Portland, OR. June 29-30 this year. While successfully hosting the conference virtually over the past two years, we cannot wait to see you all in person again!













### NATIONAL POLICY

Forth engaged with the Charge Coalition to provide expertise to the Bipartisan Infrastructure Law (BIL). Forth's Policy Team also provided recommendations to the National Electric Vehicle Infrastructure (NEVI) Formula Funding Program with particular focus on diversity, equity and inclusion.

Forth also led a multi-state program to ensure micromobility solutions such as autocycles - three-wheel electric vehicles used for both delivery and personal transportation - can operate in states across the country.

#### PACIFIC NORTHWEST

Forth engaged in successful legislative and coalition efforts to increase access to equitable clean transportation in both Oregon and Washington in 2021. In Oregon, our top two priority bills passed the legislature in bipartisan votes. House Bill 2165 doubled the amount of Oregon's Charge Ahead Rebate for low and medium-income EV buyers to \$5,000. Washington's House Bill 2180 made state building codes much more EV-ready.

Forth co-founded the **Clean and Just Transportation Network (CJTN)** in Oregon with partner organizations Verde, Oregon Environmental Council and Climate Solutions. The Network has grown to more than 50 organizations working to advance and implement equitable transportation policies and build an equitable transportation funding system.

Forth assisted in the effort to pass Washington's Clean Fuels Program and provided transportation electrification spending suggestions to a bill that created the Washington Climate Commitment Act, which promises to generate billions of dollars for climate and transportation electrification programs.

# TRANSPORTATION ELECTRIFICATION INFRASTRUCTURE NEEDS ASSESSMENT (TEINA)

Forth was proud to be a member of the project team for the Transportation Electrification Infrastructure Needs Assessment (TEINA) led by the Oregon Department of Transportation (ODOT). We assessed gaps in EV infrastructure in Oregon and proposed policy solutions to address those needs. Our research provides a model for how the state can best ensure there is enough charging to meet the fast-growing demand and that the charging is strategically located and meets the needs of rural and low-income communities. The <u>final report</u> was presented to Oregon's Governor, Kate Brown.



# TOWARD EQUITABLE E-MOBILITY (TEEM)

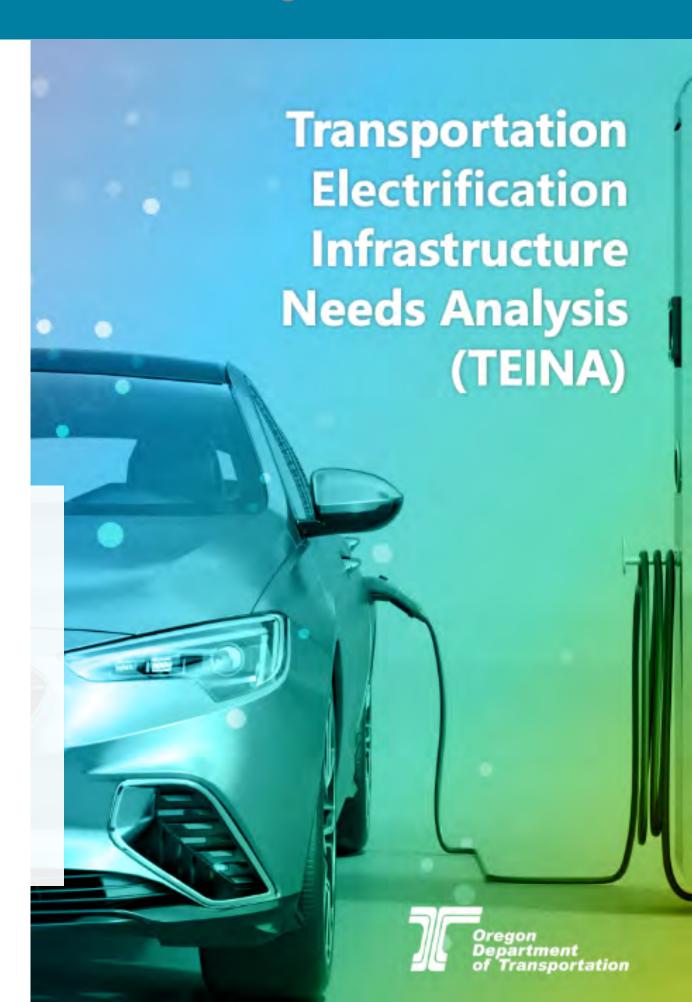
Historically, transportation policies have often been created without partnership from the communities impacted by those policies. The TEEM Community of Practice addresses the need to build more equitable transportation electrification policies with equity-focused and environmental organizations and build the capacity of these organizations to achieve shared policy objectives.

TEEM consists of a peer-to-peer community of advocates to share policy goals, build capacity and develop a mutual commitment towards advancing racial equity in electric mobility and climate change goals. The first cohort includes organizations from Colorado, Illinois, North Carolina and Virginia. This year, TEEM recruited 21 organizations, facilitated 10 cohort learning opportunities and hosted a convening to celebrate success, reflect on lessons learned and plan for 2022.

#### THE ROAD AHEAD

We will continue working to increase effective transportation electrification incentives, leveraging charging infrastructure investments included in the Bipartisan Infrastructure Law for maximum impact, increasing support for state and local programs, driving greater consumer awareness, electrifying shared mobility, electric farm equipment and electric school buses.

This year's focus will be on increasing funding for federal and state electric vehicle outreach and educational programs; expanding funding for carshare and micromobility programs for historically disadvantaged communities and for first-last mile electric connections; assisting in the development of funding for scalable models to help gig drivers go electric; expanding rural transportation electrification programs with e-tractors; ensuring equitable access to all forms of transportation electrification to negate an electric transportation divide and expanding electric vehicle rebates to include direct reductions in electric vehicle purchase prices (sometimes referred to as "cash-on-the-hood") in states.







# DIVERSITY, EQUITY AND INCLUSION

Forth's journey in addressing racial equity was focused on learning, reflecting and recommitting. We reflected as individuals on our positions of privilege and oppression and as a team on the inequities that exist within our organization and clean transportation work. We recommitted to using a targeted universalist approach to our work in which we organize around a shared universal goal, focus on targeted solutions and lead by addressing those furthest away from the opportunity. This approach is core to ensuring historically underserved communities gain access to clean transportation investments and opportunities.

- We created a BIPOC & Multiracial Affinity Group and a White Learning Group to provide a community where staff could continue learning and share their experiences and challenges in a brave space.
- Over the course of four months, the entire staff team engaged in a racial equity training series focused on foundational concepts and approaches, mindfulness and sharing perspectives.
- We collaborated on updating Forth's Strategic Plan and the DEI Committee supported the team in ensuring racial equity was a guiding principle throughout the process.
- The Senior Leadership Team demonstrated a commitment to learning by undergoing 1:1 coaching to further understand their role in leading with racial equity.
- In 2021, approximately 44% of responding staff and 47% of responding board members identified as Black, Indigenous or People of Color, while 48% of staff and 35% of board members identified as women.

# THE ROAD AHEAD

We enter into 2022 with the renewed understanding that our work in transportation electrification must center benefits for Black, Indigenous and People of Color communities. This approach is core to building better lives for all communities. We also recognize that the learning and listening we've done as an organization must remain continuous, as there is much more progress to be made to ensure the wellbeing of people and the planet.



# **FINANCIALS**

#### Revenue Sources (FY 2021)

Foundation Grants	\$ 1,496,860.33
Government Grants	\$ 1,004,123.39
Clean Fuels	\$ 251,274.37
Program Fees	\$ 589,917.56
Donations	\$ 971.78
Membership Dues	\$ 211,631.82
Event Income	\$ 98,503.88
Sponsorships	\$ 354,580.71
Other Income	\$ 2,296.08
Interest Income	\$ 1,295.63
Total Revenue	\$ 4,011,455.55

### Expenses (FY 2021)

Change

Program Services Administration Fundraising Total Expenses	\$	3,330,505.37 574,657.85 270,569.79 4,175,733.01
End of Year Assets Beg. of Year Assets	-	2,614,239.30 2,173,589.00

\$ 440,650.30

# **2021 STAFF**

Jeff Allen - Executive Director

**Gina Avalos** - Associate Director

Jeanette Shaw - Policy Director

**Steffani Cuff** - Programs Director

**Ashley Duplanty** - Sr. Manager of Strategic Partnerships

& Events

Steve Gutmann - Sr. Business Development Manager

Kelly Yearick - Sr. Program Manager

Kevin Friedman - Sr. Communications Manager

Alexa Diaz - Sr. Policy Manager

Steven Alaman - Program Manager

**Quentin Arnette** - HR Associate

Barrett Brown - Program Manager

Christal Beauclaire - Event and Marketing Associate

Maria Clark - Finance & Operations Associate

**Akanksha Dureja** - Communications Manager

Connor Herman - Program Manager

**Eric Huang** - Program Manager

**Brodie Hilton** - CEO, Cascadia Mobility

**Pramodh Jacob** - Program Associate

Whit Jamieson - Program Manager

Rhett Lawrence - Policy Manager

Manuel Morales - Program & Communications Associate

Anne Ramzy - Business Development Manager

Sam Schanfarber - Program Manager

**Lindsay Schuelke** - Program Manager

Simbiat Yusuff - Member Relations Manager

Joe Wachunas - Program Manager

<sup>\*\*\*</sup>The financial statements above are drafts only and have not been audited and finalized \*\*\*





# **BOARD MEMBERS**

Tim Miller (President), CEO, Enhabit

Ben Farrow (Treasurer), Manager, New Product Development, Puget Sound Energy

**Román Partida-López** (Secretary), Legal Counsel, Environmental Equity, The Greenlining Institute

**Sean Bagsby**, Business Manager/Financial Secretary, International Brotherhood of Electrical Workers (IBEW) Local 46

Stani Baker, Regional Director, Government Affairs, Toyota

Patti Best, Program Specialist, Idaho Power

**Leslie Kilgore**, Vice President of Engineering & Technology, Thomas Built Buses, Daimler Trucks North America

Wayne Killen, Senior Advisor to the Department of Energy's Loan Programs Office

**Karen Laughlin**, Program Officer, Climate and Clean Energy, Heising-Simons Foundation

Tim McMahan, Partner, Stoel Rives LLP

Maurice Muia, Climate Advisor, Natural Resources Defense Council (NRDC)

Nick Nigro, Founder of Atlas Public Policy

**Paul Stith**, Director, Global Transportation Initiatives of Strategy & Innovation, Black & Veatch

Jessica Vega Pederson, Multnomah County Board of Commissioners

**Pia Wilson-Brody**, President of the Intel Foundation and Director of Global Diversity, Inclusion and Social Impact

# **CHAMPION PARTNER**

















# PREMIUM PARTNER











































# **PARTNER**

- ampUp
- AVERE The European Association for Electromobility
- Bonneville Environmental <u>Foundation</u>
- City of Santa Fe, New Mexico
- CoMotion
- Core States Group
- Cox Automotive
- DNV
- EC Electric
- Electric Drive Transportation Association (EDTA)

- Energy Northwest
- FlexCharging
- **IBEW 48**
- <u>Idaho Power</u>
- Legacy EV
- North American Council for Freight Efficiency (NACFE)
- Oregon Department of Transportation - Climate Office
- Oregon Department of Transportation - Public Transportation Division
- Port of Portland

Seattle City Light

- SemaConnect
- **Smart Electric Power** Alliance (SEPA)
- Stoel Rives LLC
- Technology Association of
- Texas Electric Transportation Resources Alliance (TxETRA)
- Wallbox
- WSP

# **SUPPORTER**

- 3Degrees Group
- AAA Oregon/Idaho
- American Council for an **Energy Efficient Economy** (ACEÉE)
- Blink Charging
- Center for Sustainable
- Central Electric Cooperative
- ChargeHub
- City of Hillsboro
- City of Portland
- Clark Public Utilities
- Connecticut Green Bank

- Consumers Power Inc.
- Cynergy E-Bikes
- D+R International
- Electrify America
- **Emerald People's Utility District**
- **Eugene Water and Electric** Board
- **EVCS**
- <u>EVgo</u>
- Geotab
- Good2Go
- LINK

- Midstate Electric Cooperative
- Orange EV
- Pacific Power
- Plug In America
- **Prosper Portland**
- **Shoals Technologies Group**
- Solectrac
- The Street Trust
- **TriMet**
- Unique Electric Solutions Inc
- WeaveGrid

# **FRIEND**

- Arcimoto
- Atlas Public Policy
- **Atomic Auto**
- Blachly-Lane Electric Cooperative
- California Electric Transportation Coalition
- CALSTART
- Center for Transportation and the Environment (CTE)
- Central Lincoln People's Utility District
- **Charge Across Town**
- CharaEVC
- Chargeway
- CharlieAllcockConsulting LLC
- City of Ashland
- Clean Energy Works
- Clean Power Research
- CleanFuture
- CleanTech Alliance
- Climate Solutions
- Columbia River People's Utility District
- Columbia-Willamette Clean Cities Coalition
- Community Cycling Center
- Cyan Strategies
- **ECOSS**
- **Electrification Coalition**
- Elonroad
- **Energy Trust of Oregon**
- **Environment Oregon**
- **Envoy**
- **EV Connect**
- **EV4 LLC**
- **EVHybridNoire**

- **Explore Washington Park**
- FIER Automotive
- Generation180
- **GRID Alternatives**
- **Grid Forward**
- Hacienda Community Development Corporation
- Hubject U.S. Office
- Inland Power & Light Company
- Innovative Rail Technologies, LLC
- Institute of Energy Studies Western Washington University
- It's All Good Energy
- Kittelson & Associates
- Learned On, LLC
- **Legwork Local Delivery**
- Metro
- **MightyComm**
- Natural Resources Defense Council (NRDC)
- Northwest Environmental Business Council (NEBC)
- Northwest Public Power Association
- **NW Energy Coalition**
- **OpConnect**
- **Opinion Dynamics**
- Oregon Department of Environmental Quality
- Oregon Electric Vehicle Association (OEVA)
- Oregon Environmental Council
- Oregon Food Bank
- Pacific Mobility Group Inc. **PAE Consulting Engineers**

Peninsula Light Company

Photon Marine

- **Pivot Marketing**
- Portland State University (PSU)
- **Puget Sound Solar LLC**
- Ravin Energy
- Renewable Hydrogen Alliance
- Ride Report
- SafeConnect Systems Salem Electric
- Sierra Club National Social Enterprises Inc.
- Solar Oregon
- Spin Inc
- Stable Auto Tacoma Power
- The Greenlining Institute
- Thorn Run Partners
- Titan Freight Systems
- U.S. Energy Recovery
- VERDE
- Westside Transportation Alliance



