Clean Fuels

Clean Air

Clean Jobs

Clean Communities

Transportation Energy Partners

2022 Clean Fuels Federal Policy Agenda

Stabilize Gas Prices, Improve Air Quality, Create Jobs

Three quarters of the 20 million barrels of petroleum consumed by America each day is used for transportation. Transportation is the nation's largest source of greenhouse emissions, and the largest source of local air pollution and largest energy expense in many communities. Even though the U.S. is now the world's largest energy producer, we remain vulnerable to the actions of foreign governments that do not share our interests.

American ingenuity and technology innovation have enabled vehicles using electricity, natural gas, propane, biodiesel, ethanol, and hydrogen to begin to make their way into the marketplace. According to the Department of Energy, there are 2.4 million alternative fuel vehicles in use in the United States and 125,000 alternative fueling stations. Yet this represents only a very small fraction of the total American fleet.

The United States must aggressively expand our use of domestically produced alternatives to petroleum fuel if we are to stabilize gasoline prices, improve air quality and create more American jobs.

Now is the time for Congress to continue the nation's investment in clean American transportation fuels and vehicles by acting immediately on the following urgent policy matters:

1. Increase federal funding in FY 2023 for the Department of Energy (DOE) Clean Cities alternative fuel deployment program and the U.S. EPA Diesel Emission Reduction Grants.
2. Authorize the DOE Clean Cities Program.
3. Provide long term extensions and improvements in the federal tax incentives for alternative fuels, vehicles, and infrastructure.
4. Preserve the Renewable Fuel Standard (RFS).

Investment in Clean Transportation Fuels Creates American Jobs

In addition to enhancing our energy security, the clean transportation industry is also critical to our economic growth and global competitiveness.

- There are now 2 million plug-in electric vehicles on the road in the U.S. The global market for lithium-ion batteries will grow to $127.8 billion by 2027 and annual revenue from the infrastructure charging sector is projected to grow to $70 billion by 2026.
- The ethanol industry contributes $34.7 billion a year to the U.S. economy, including over 305,000 American jobs.
- Biodiesel has grown into a 2.8 billion gallon per year industry with 125 plants across the U.S. supporting more than 64,000 jobs and providing $17 billion in economic activity.
- There are more than 200,000 propane-powered vehicles on America's roads, including a fleet of about 20,000 propane-powered school buses that transport 1.2 million children to school each day.
- The U.S. is the number one producer of natural gas in the world, and the industry provides 4.1 million American jobs. About 175,000 natural gas vehicles operate on America's roads today. These vehicles are supported by more than 1,800 fueling stations that are connected by 2.5 million miles of natural gas pipelines.

- Over the last five years, Renewable Natural Gas (RNG) use as a transportation fuel has increased 577%. There are now 90 RNG production facilities operating in the U.S., and more than 230 additional facilities under development or construction.

Transportation Energy Partners 2022 Federal Policy Priorities

1. **Ensure Adequate Federal Funding in FY 2023 for Key Clean Transportation Programs:** Congress should support funding for the following federal programs, which advance the development and deployment of clean transportation technologies:

   - Congress should provide $75 million for the ***DOE Clean Cities program***, including $45 million in competitive grants for new alternative fuel and vehicle deployment solutions. Clean Cities is DOE's only initiative focused on the deployment of alternative transportation fuels, vehicles, and infrastructure.
   - Congress should provide $150 million for the ***EPA Clean Diesel (DERA) Grants program,*** which has created jobs and improved air quality in hundreds of communities across the U.S.

2. **Authorize the DOE Clean Cities Program:** The Clean Cities program has been one of the nation's most effective tools in promoting the use of domestic fuel sources, improving local air quality, and deploying advanced vehicle technologies. Congressman Donald McEachin (D-VA) has introduced legislation, H.R. 5568, that would institutionalize the program and enable it to be even more effective in leveraging public-private partnerships to advance cleaner fuels and vehicles.

3. **Extend and Improve Tax Incentives for Alternative Transportation Fuels, Vehicles, and Infrastructure:** Congress should provide long term support for the following tax incentives to encourage investment in the next generation of alternative fuels, vehicles, and infrastructure.

   - Alternative fuel tax credit for producers of propane and natural gas. (Expired 12/31/21)
   - Tax credits for biodiesel and renewable diesel. (co-sponsor HR 3472 and S 1806) (Expires 12/31/22)
   - Lift the production cap for plug-in passenger vehicles.
   - Establish a new tax credit for commercial vehicles using alternative fuels.
   - Increase the tax credit for alternative fuel infrastructure and extend it for at least 5 years. (Expired 12/31/21)

4. **Preserve the Renewable Fuels Standard (RFS):** Congress should reject efforts to undermine or eliminate the RFS, which sets annual standards for production and use of conventional and advanced biofuels. Congress should also encourage the EPA to continue growing RFS volumes to ensure that we diversify the transportation fuels market with clean alternatives that are creating jobs, cutting pollution, and reducing our dependence on foreign oil. Renewable fuels have helped reduce oil imports by 25 percent since 2000 and now provide 10 percent of America's on-road transportation needs. The RFS has eliminated 1 billion tons of greenhouse gas emissions. The RFS is stimulating impressive growth in Renewable Natural Gas and Advanced Biofuels such as biodiesel, which are poised for significant growth under a stable RFS.

Transportation Energy Partners (TEP) is a national, non-profit policy and education organization that brings *Clean Cities* coalitions together with the clean transportation industry to advance policies that will reduce American dependence on petroleum-based fuels. Since 1993, the nation's more than 75 *Clean Cities* coalitions and their 20,000 have played a leading role in implementing local programs and projects to deploy alternative fuels, vehicles, and infrastructure that has reduced petroleum consumption by more than 13.5 billion gallons.

For more information, contact:

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February 28, 2022

The Honorable Dianne Feinstein, Chairman, Senate Energy & Water Development Subcommittee
The Honorable John Kennedy, Ranking Member, Senate Energy & Water Development Subcommittee
The Honorable Marcy Kaptur, Chairman, House Energy & Water Appropriations Subcommittee
The Honorable Mike Simpson, Ranking Member, House Energy & Water Appropriations Subcommittee

Re: Maintaining FY 2023 Funding for DOE Deployment of Alternative Fuels and Vehicles

Dear Chairman Feinstein, Ranking Member Kennedy, Chairman Kaptur, and Ranking Member Simpson:

On behalf of the nation's 75 *Clean Cities* coalitions and their 20,000 stakeholders in the clean transportation industry, Transportation Energy Partners (TEP) thanks you for your ongoing support of the Department of Energy's (DOE) Clean Cities alternative fuels deployment program. By advancing markets for alternative fuels and vehicles, the Clean Cities program is helping to reduce greenhouse gases and other harmful emissions, stabilize gasoline prices, decrease our reliance on foreign oil, and create American jobs.

As your respective subcommittees begin consideration of the FY 2023 Energy and Water Appropriations bill, we ask you to include $75 million for the DOE Clean Cities Program. This funding will enable Clean Cities coalitions across the country to provide outreach and technical assistance that will help ensure effective implementation of the clean transportation investments in the new Bipartisan Infrastructure Law. We will submit our requested report language in the coming weeks.

Three quarters of the 20 million barrels of petroleum consumed by America each day is used for transportation. Transportation is the nation's largest source of greenhouse emissions, and the largest source of local air pollution and largest energy expense in many communities. Even though the U.S. is now the world's largest energy producer, we remain vulnerable to the actions of foreign governments that do not share our interests.

The DOE Clean Cities Program is the agency's only initiative focused on the deployment of alternative fuels, vehicles, and infrastructure. Federal funding through the DOE has leveraged billions in private investment and unleashed American ingenuity and innovation to enable vehicles using electricity, natural gas, propane, biodiesel, ethanol, and hydrogen to take hold in the marketplace. Since 1993, the nation's Clean Cities coalitions and their 20,000 stakeholders have played a leading role in implementing local deployment programs and projects that have reduced petroleum consumption by more than 13.5 billion gallons.

According to DOE annual reports from 2006 through 2020, the Clean Cities program has leveraged $374 million in program funding into another $2.95 billion in public and private investment in alternative fuels deployment projects – that is about $8.00 for every federal dollar invested. These funds have been used to deploy a diverse array of petroleum reducing fuels, vehicles and refueling stations that were based on specific state and local transportation needs. According to the U.S. Department of Energy, there are now well over 2.5 million alternative fuel vehicles on the road in the United States and 125,000 alternative fueling stations.

In addition to enhancing our energy security, the clean transportation industry is also critical to our economic growth and global competitiveness.

- There are now more than 2 million plug-in electric vehicles on the road in the U.S. The global market for lithium-ion batteries will grow to $127.8 billion by 2027 and annual revenue from the infrastructure charging sector is projected to grow to $70 billion by 2026.
- The ethanol industry contributes $34.7 billion a year to the U.S. economy, including over 305,000 American jobs.
- Biodiesel has grown into a 2.8 billion gallon per year industry with 125 plants across the U.S. supporting more than 64,000 jobs and providing $17 billion in economic activity.
- There are more than 200,000 propane-powered vehicles on America's roads, including a fleet of about 20,000 propane-powered school buses that transport 1.2 million children to school each day.
- The U.S. is the number one producer of natural gas in the world, and the industry provides 4.1 million American jobs. About 175,000 natural gas vehicles operate on America's roads today. These vehicles are supported by 1,740 fueling stations that are connected by 2.5 million miles of natural gas pipelines.
- Over the last five years, Renewable Natural Gas (RNG) use as a transportation fuel has increased 577%. There are now 99 RNG facilities operating in the U.S. that have created more than 17,000 direct and indirect jobs. Another 90 new plants are under development, and they will create an additional 15,500 new direct and indirect jobs.

Again, we urge you to include $75 million for the DOE Clean Cities Program in the FY 2023 Energy and Water Appropriations bill, which will ensure adequate funding for the deployment of alternative fuels and vehicles through the DOE Clean Cities program. Now is the time for Congress to maintain critical investment in the deployment of clean, domestically produced fuels and vehicles.

Thank you for your consideration. Please let us know if you have questions or want more information concerning this request.

Sincerely,

Alleyn Harned
President

Ken Brown
Executive Director

Transportation Energy Partners (TEP) is a national, non-profit policy and education organization that brings *Clean Cities* coalition leaders together with the clean transportation industry to advance policies that will reduce American dependence on petroleum-based fuels. Since 1993, the 75 *Clean Cities* coalitions and their 20,000 stakeholders have played a leading role in implementing local programs and projects to deploy alternative fuels, vehicles, and infrastructure that has reduced petroleum consumption by more than 13.5 billion gallons.

February 28, 2022

The Honorable Ron Wyden, Ranking Chairman, Senate Finance Committee
The Honorable Mike Crapo, Ranking Member, Senate Finance Committee
The Honorable Richard Neal, Chairman, House Ways and Means Committee
The Honorable Kevin Brady, Ranking Member, House Ways and Means Committee

Re: Extension of Alternative Fuel, Vehicle, and Infrastructure Tax Credits

Dear Chairman Wyden, Ranking Member Crapo, Chairman Neal, and Ranking Member Brady:

We are writing on behalf of the 75 Clean Cities coalitions and our 20,000 stakeholders in the clean transportation industry. First, we want to thank you for your outstanding leadership in moving forward legislation that would provide long term tax incentives for clean fuels, vehicles, and infrastructure. These important incentives will help reduce emissions, stabilize gasoline prices, decrease our reliance on foreign oil, and create American jobs.

Unfortunately, these measures have not yet crossed the finish line; and in the meantime, several key clean transportation incentives have expired. As a result, we urge you to continue to support the development and deployment of the next generation of clean fuels and vehicles by enhancing and extending the following critical incentives:

- Long term extension of alternative fuel tax credit for producers of propane and natural gas. (Expired 12/31/21)
- Long term extension of tax credits for biodiesel and renewable diesel. (Expires 12/31/22)
- Lift the production cap for plug-in passenger vehicles.
- Establish a new tax credit for commercial vehicles using alternative fuels.
- Increase the tax credit for alternative fuel infrastructure and extend it for at least 5 years. (Expired 12/31/21)

Stability is needed in federal policies promoting alternative fuels and advanced technology vehicles to allow long-term planning and investment to occur at the fleet-level. Unfortunately, in recent years we have seen numerous stop-and-go policies that have been characterized by short-term one-year extensions of incentives; policies that have expired and then are subsequently reenacted and made retroactive; and policies that lapse and are then reinstated.

The inconsistency of these policies creates uncertainty that has a chilling effect on the very investment actions they are seeking to encourage. Vehicle and fuel-use decisions by manufacturers and fleets are made with a long-term view. A period of stable policies will result in permanent changes to the transportation market, ultimately making government support unnecessary. Without certainty, the industry will decrease investment, resulting in job losses and higher fuel costs for consumers.

Now is the time for Congress to maintain the nation's investment in clean, domestically produced fuels and vehicles. Three quarters of the 20 million barrels of petroleum consumed by America each day is used for transportation. Transportation is the nation's largest source of greenhouse emissions, and the largest source of local air pollution and largest energy expense in many communities. Even though the U.S. is now the world's largest energy producer, we remain vulnerable to the actions of foreign governments that do not share our interests.

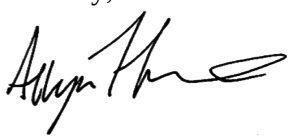
As you know, there is broad bipartisan support for the alternative fuel and vehicle tax incentives. These incentives have leveraged billions in private investment and unleashed American ingenuity and technology innovation to enable vehicles using electricity, natural gas, propane, biodiesel, ethanol, and hydrogen to take hold in the marketplace. According to the Department of Energy, there are now 2.4 million alternative fuel vehicles on the road in the United States and more than 125,000 alternative fueling stations.

In addition to enhancing our energy security, the clean transportation industry is also critical to our economic growth and global competitiveness.

- There are now over 2 million plug-in electric vehicles on the road in the U.S. The global market for lithium-ion batteries will grow $127.8 billion by 2027 and annual revenue from the infrastructure charging sector is projected to grow to $70 billion by 2026.
- The ethanol industry contributes $34.7 billion a year to the U.S. economy, including over 305,000 American jobs.
- Biodiesel has grown into a 2.8 billion gallon per year industry with 125 plants across the U.S. supporting more than 64,000 jobs and providing $17 billion in economic activity.
- There are more than 200,000 propane-powered vehicles on America's roads, including a fleet of about 20,000 propane-powered school buses that transport 1.2 million children to school each day.
- The U.S. is the number one producer of natural gas in the world, and the industry provides 4.1 million American jobs. About 175,000 natural gas vehicles operate on America's roads today. These vehicles are supported by more than 1,800 fueling stations that are connected by 2.5 million miles of natural gas pipelines.
- Over the last five years, Renewable Natural Gas (RNG) use as a transportation fuel has increased 577%. There are now 90 RNG production facilities operating in the U.S., and more than 230 additional facilities under development or construction.

Every member of Congress agrees that we should stabilize gasoline prices, reduce dependence on foreign oil, and create American jobs. Again, we urge you to act now and establish a long-term extension of these tax incentives, which will help accomplish all three important national objectives.

Sincerely,



Alleyn Harned
President

Ken Brown
Executive Director

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February 28, 2022

The Honorable Jeff Merkley, Chairman, Senate Interior Appropriations Subcommittee
The Honorable Lisa Murkowski, Ranking Member, Senate Interior Appropriations Subcommittee
The Honorable Chellie Pingree, Chairman, House Interior Appropriations Subcommittee
The Honorable David Joyce, Ranking Member, House Interior Appropriations Subcommittee

Re: Fiscal Year 2023 EPA Diesel Emissions Reductions Grants

Dear Chairman Merkley, Ranking Member Murkowski, Chairman Pingree, and Ranking Member Joyce:

Transportation Energy Partners (TEP) is a national organization that brings together the nation's 75 *Clean Cities* coalitions and our 20,000 stakeholders in the clean transportation industry to advance policies that will reduce American dependence on petroleum-based fuels. We would like to thank you for your ongoing investments in the US EPA Diesel Emission Reduction Act (DERA) program and request your continued support of these grants. Specifically, we urge you to include $150 million for the program when considering the FY 2023 Interior and Environment Appropriations bill.

Through 2016, EPA DERA grants have retrofitted or replaced more than 67,000 engines in vehicles, vessels, locomotives, or other pieces of equipment. According to the EPA, each federal dollar invested in clean diesel projects has leveraged as much as $3 from other public and private entities and generated between $11 and $30 in public health benefits. Each federal dollar invested in DERA also results in over $2 in fuel savings. Since millions of Americans live where diesel emissions from older, heavily polluting diesel engines are often concentrated, we must maintain this progress. There remain at least 10 million older, heavily polluting diesel engines currently in use that have yet to be retrofitted, repowered, or replaced. So now is the time to increase our investment in this critical program.

As you know, the DERA program enjoys strong bipartisan support. The economic, public health, and environmental benefits are well-documented. Again, we to urge your Subcommittees to provide $150 million for the DERA program in Fiscal Year 2023 to ensure its continued success.

Thank you for your consideration. Please let us know if you have questions or want more information concerning this request.

Sincerely,

Alleyn Harned
President

Ken Brown
Executive Director

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NISSAN
GROUP OF THE AMERICAS

Nissan to build two all-new, all-electric models at Mississippi assembly plant

- Nissan to invest $500 million to transform Canton assembly plant to build all-new Nissan and Infiniti EV models starting in 2025; the company has now invested $13.5 billion in its U.S. manufacturing operations
- Investment supports retraining and upskilling nearly 2,000 jobs, transforming the Canton plant into a center for EV manufacturing and technology
- EV investment one of several in the U.S. over the next five years; by 2030, targeting 40% of US vehicle sales to be fully electric, with even more to be electrified
- New vehicles are part of Nissan Ambition 2030, calling for 23 electrified models for the Nissan and INFINITI brands globally, including 15 all-electric vehicles, by 2030

Canton, Miss. (Feb. 17, 2022) – Nissan today shared details on how its Canton Vehicle Assembly Plant will become a center for U.S. EV production. The company is transforming Nissan Canton with the latest in EV manufacturing technology to support production of two all-new, all-electric vehicles.

The investment for EV production will total $500 million, preserving and upskilling nearly 2,000 jobs, with production expected to begin in 2025.

"Today's announcement is the first of several new investments that will drive the EV revolution in the United States," said Ashwani Gupta, chief operating officer, Nissan Motor Corporation, Ltd. "Nissan making a strong investment in Canton's future, bringing the latest technology, training and process to create a truly best-in-class EV manufacturing team."

Nissan's investment is supported by strong partnerships with state, county and local governments.

"Nissan is the cornerstone of the state's automotive industry. Nearly 20 years after opening its Canton facility, Mississippians continue to produce award-winning vehicles for the global automotive leader," said Governor Tate Reeves. "Nissan's decision to convert part of its plant to produce electric vehicles and battery packs once again places Mississippi in the global spotlight, demonstrating the pride our workforce takes in a job well done and its commitment to lasting success. As Nissan shifts to EV production, the Mississippi team is ready to once again begin production of what will no doubt be some of the best-quality EVs on the market today."

Ambition 2030
Today's announcement supports Nissan Ambition 2030, calling for 23 electrified models for the Nissan and Infiniti brands globally, including 15 all-electric vehicles, by 2030.

NISSAN
GROUP OF THE AMERICAS

Ambition 2030 will deliver exciting, electrified vehicles and technological innovations. Taking account of critical environmental, societal and customer needs, Ambition 2030 underpins the company's aim to empower mobility and beyond for a cleaner, safer and more inclusive world.

Nissan has set the goal to achieve carbon neutrality across the company's global operations and the life cycle of its products by 2050[1] by pursuing further innovations in electrification and manufacturing technology. As part of this effort, Nissan is targeting 40 percent of its U.S. vehicle sales volume to be fully electric by 2030, with even more to be electrified.

Canton Vehicle Assembly Plant
Canton Vehicle Assembly Plant is celebrating 19 years of manufacturing operations in 2022. The plant employs approximately 5,000 people and has built nearly 5 million vehicles since opening in 2003. The plant currently builds four models: Altima, Frontier, TITAN and TITAN XD.

With this announcement, Nissan now has invested $4 billion in the facility. The company has invested $13.5 billion in its U.S. manufacturing operations collectively.

For more information about our products, services and commitment to sustainable mobility, visit nissanusa.com. You can also follow us on Facebook, Instagram, Twitter and LinkedIn and see all our latest videos on YouTube.

###

1) "Life cycle" includes raw material extraction, manufacturing, use, and the recycling or reuse of end-of-life vehicles.

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NATIONAL PROPANE GAS ASSOCIATION

Propane Autogas

The National Propane Gas Association (NPGA) is the national trade association representing all aspects of the U.S. propane industry. The propane industry's domestic workforce is 57,000 strong, and we have an economic footprint in every state and congressional district in the country.

Propane autogas is a federally-designated alternative transportation fuel that burns cleanly, efficiently, and has a low-carbon content. Individuals and businesses using autogas can lower the carbon intensity of their transportation fuel and reduce emissions of greenhouse gases and air pollutants. Improving air quality is especially important in the marginalized communities that often suffer most from air pollution. Notably, propane can help achieve the emissions and public health goals in a cost-effective manner, with an exceptionally high return on investment.

Proven Success: In San Antonio, the Northside Independent School District's fleet of 440 propane school buses not only have the power and operating range required to meet the real-world demands of school transportation, but also save the district $1.3 million in fuel costs annually. These savings represent money that is then redirected back into the classroom.

- DYK? – Propane school buses can reduce NOx emissions by 96 percent compared to diesel buses!

NPGA's 2022 Legislative Priorities

Alternative Fuel Tax Credits: The Alternative Fuel Tax Credit and **the Alternative Fuel Infrastructure Tax Credit** are essential incentives designed to encourage consumers to adopt cleaner, alternative fuel vehicles like propane autogas. These tax credits increase consumers' buying power and make it more economical to retire dirty gasoline and diesel vehicles. Both tax credits expired at the end of 2021. Congress should authorize a long-term extension (at least five years) of the Alternative Fuel Tax Credit and the Alternative Fuel Refueling Infrastructure Tax Credit to give businesses the tax certainty they need to make significant capital investments in new alternative fuel vehicle fleets and refueling infrastructure.

Appropriations: As FY 2023 **Appropriations** season begins, Congress should consider funding research, development, and demonstration projects through the Department of Energy for renewable propane, vehicle engine technology and the use of dimethyl ether, propane-powered combined heat and power systems, and propane-powered microgrids. By further researching and expanding the use of these technologies, the U.S. government can achieve significant reductions in emissions and increase grid resilience. Congress should maximize federal dollars in a fuel-neutral manner by investing in these technologies.

National Defense Authorization Act: Previous iterations of the **National Defense Authorization Act** directed the Department of Defense (DoD) to initiate a pilot program to utilize alternative fueled vehicles, including propane, on domestic non-combat military facilities. Building upon this success, Congress should expand this program to include additional medium- and heavy-duty vehicle programs at domestic military facilities and consider adopting propane-powered primary, backup, and mobile power generation. These technologies offer the DoD truly affordable, proven, and reliable emissions reduction technologies.

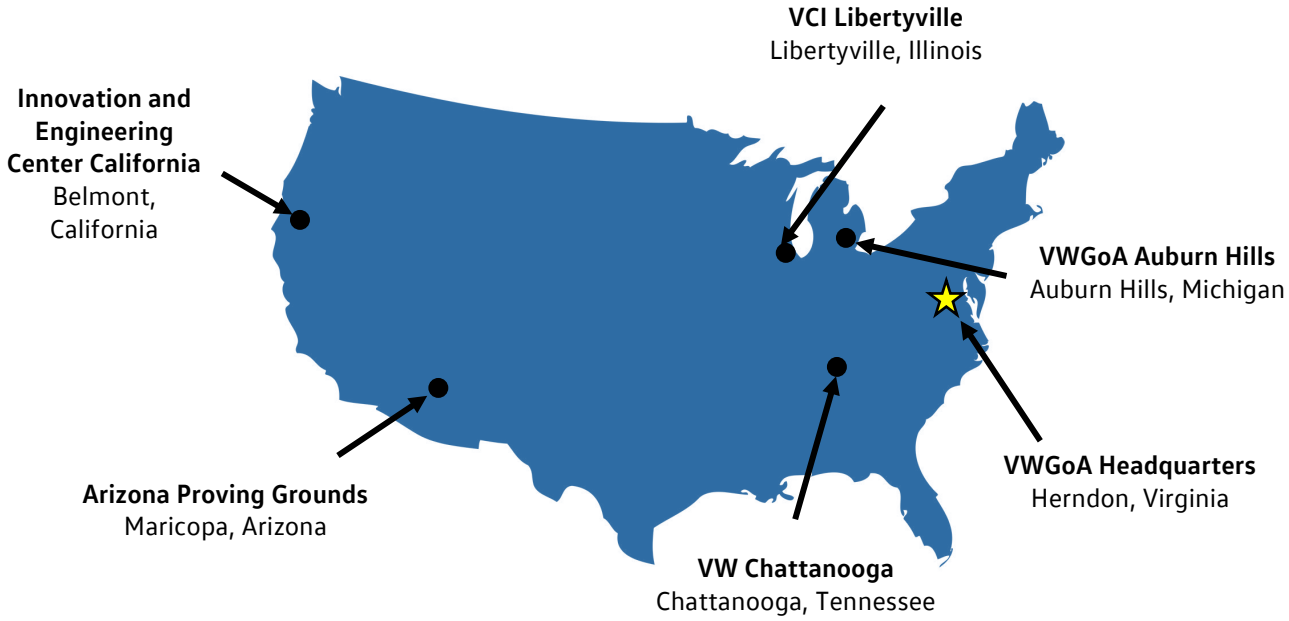
VOLKSWAGEN

GROUP OF AMERICA

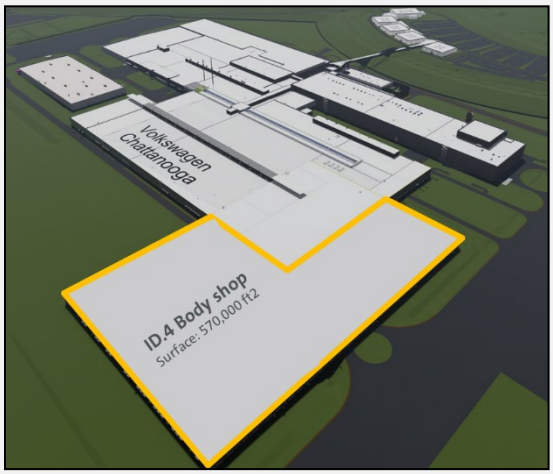
About Volkswagen

Volkswagen Group of America, Inc. (VWGoA) is a wholly-owned subsidiary of Volkswagen AG, one of the world's leading automobile manufacturers and the largest carmaker in Europe. VWGoA houses the U.S. operations of distinguished brands including Audi, Bentley, Bugatti, Lamborghini, and Volkswagen, as well as VW Credit, Inc. Volkswagen Chattanooga Operations, LLC, a wholly-owned subsidiary of VWGoA, operates an assembly plant in Chattanooga, Tennessee. VWGoA's headquarters are in Herndon, Va. The company has more than **8,000 employees** in the United States, including nearly **4,000** working in Chattanooga, and sells its vehicles through a network of **approximately 1,000 independent dealers** who in turn employ about **40,000 employees**.

Major VWGoA US Locations:



Volkswagen Chattanooga Expansion for ID.4 Production



VWGoA Quick Facts:

E-Mobility

- **Volkswagen is at the forefront of America's EV revolution.**
  - The Volkswagen brand is aiming for 40-50% of total Volkswagen sales to be BEVs by 2030.
  - With Audi, Volkswagen, and Porsche, Volkswagen Group is rolling out one of the broadest electrified vehicle portfolios in the United States in 2022, offering **8 fully electric models** to American consumers.
  - After an $800 million investment, **local assembly of the all-electric ID.4** begins at the Chattanooga manufacturing plant this year (2022).
  - Volkswagen has committed over $20 million through June of 2022 to support its nationwide dealership network in converting their facilities into regional EV Experience hubs.

Above: The VW ID.4 charging at an EV charging station.

- **Volkswagen Group of America is growing the United States' charging network with Electrify America.**
  - Electrify America, a wholly owned subsidiary of Volkswagen Group of America, is building a brand-neutral, coast-to-coast, high-power **charging network.**
  - So far, Electrify America has more than 800 charging stations and about 3,500 individual ultra-fast chargers open or under development in the U.S., Electrify America expects to increase this network to 1,800 charging stations and 10,000 ultra-fast chargers in the U.S. and Canada by 2026.

Sustainability

- **Volkswagen is pursuing clear targets for environmental sustainability across its facilities.**
  - The Volkswagen plant in Chattanooga is **LEED Platinum certified** and is working toward "Way to Zero" and CO2 neutral factory plans that aim to lower energy and water consumption, waste volumes and emissions at all plants.
  - The 9.5-megawatt solar system provides up to 12.5 percent of the plant's electric needs during full production, with 33,600 solar modules spread over 33 acres next to the VW factory.
- **Volkswagen Group is committed to achieving carbon neutrality by 2050.**
  - The Group has implemented a plan to achieve this goal that includes accelerating EV production, sourcing electricity from renewable sources, recycling, and other initiatives.
  - Volkswagen AG (VW global) Press Release here.

Technology & Innovation

- **Volkswagen Group of America has become an important technology center for the global VW Group as its engineering and technology footprint continues to grow in the United States.**
  - The Group has **several technology hubs** that are driving top-in-class research in critical automotive topics such as material science, artificial intelligence, UX, and software and cloud engineering.
  - Locations include: the Innovation and Engineering Center in Belmont, the Engineering and Planning Center in Chattanooga, the Innovation Hub in Knoxville, AI Detroit Unit, the Arizona Proving Grounds, Engineering & Safety Affairs in Auburn Hills, and the Oxnard Engineering Center
- **Automated driving is a priority topic across the Group's brands.**
  - PAVE (Partnership for Automated Vehicle Education), founded by Audi of America's Brad Stertz, "is a coalition of industry, nonprofits, and academics with one goal: To bring the conversation about automated vehicles (AVs) to the public so everyone can play a role in shaping our future."

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Government Relations

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Corporate Communications

Dominion Energy®

Actions Speak Louder

Electric Transportation

We are committed to lowering our carbon footprint and providing a cleaner energy future for our customers and the communities we serve

Dominion Energy Virginia is Powering Smart Electric Transportation

Advancing Adoption

- Customer education and outreach
- Rebates for charging stations and “make-ready”
- Installing public DC fast charging stations

Developing Customer Solutions

- Incentives for off-peak charging
- Supporting fleet electrification
- Electric school bus initiative

Investing in Technology to Maximize Electrification Benefits

- Continuing to expand our renewable portfolio
- Piloting battery storage technologies
- Autonomous shuttle demonstration

Dominion Energy® smartenergy

Electric Vehices: A Smart Transportation Choice

Electric Vehices are:

- Fun to drive with instant power and a smooth ride
- Easy to charge: at home, at work, or on the go
- Cheaper to fuel and maintain than conventional vehicles
- A clean transportation option with no tailpipe emissions

What electric vehicle models are available?

There are over 30 electric models on the market today and most major auto manufacturers have committed to additional models in the next three years. Visit dominionenergy.chooseev.com to compare available models.

Is your daily commute under 250 miles?

Today's electric vehicles have a driving range of 80 to 330 miles on a single charge. If your daily commute is less than 250 miles per day, there is an affordable EV model that will fit your needs.

Where will you charge your electric vehicle?

Nearly 80% of charging is done at home, overnight. You can also charge at work or on the go. There are over 600 public charging stations in Virginia.

How can an electric vehicle save you money?

Electricity is cheaper than gasoline and electric vehicles require little maintenance. According to Department of Energy, it costs about half as much to drive an electric vehicle.

Are there any financial incentives available?

Yes! Dominion Energy offers various rebates and incentives. There may also be tax incentives available.

Visit our website to learn more: DominionEnergy.com/EV

GOODYEAR
MORE DRIVEN

SUSTAINABLE TECHNOLOGIES

INNOVATION BEYOND THE BUSHEL

Goodyear is committed to delivering innovative products that help change the world of transport and drive a sustainable future for the automotive industry.

ASSURANCE WEATHERREADY®
Grand Touring All-Season

ASSURANCE COMFORTDRIVE™
Grand Touring All-Season

EAGLE EXHILARATE®
Ultra-High Performance All-Season

EAGLE® ENFORCER ALL WEATHER®
Pursuit-Rated All-Weather

WHERE THE RUBBER MEETS THE ROW

COLLABORATION

UNITED SOYBEAN BOARD™

Build preference for U.S. soybean oil in the food and industrial markets differentiating U.S. Soybean oil through promotion, as well as research

Over 500,000 Farmers • **88M Acres Planted Annually** • **Surplus Available: only 65% Used in Food Applications** • **2nd Largest Cash Crop**

Goodyear is committed to responsibly sourcing more sustainable materials that deliver best-in-class quality and performance

40M Tires Sold in US/Canada (2019) • **8% Of a Typical Tire Weight is Oil**

STRATEGY **Create and enhance collaborations that increase product performance, value and preference**

BENEFITS

Using soybean oil reduces use of petroleum-based oil

Increases manufacturing efficiencies

Reduces energy consumption and uses surplus bio-based, renewable material

Soybean oil improves tire flexibility at low temperatures, helping the rubber to remain pliable in cold weather and enhancing traction in rain and snow

PRODUCTS

ASSURANCE WEATHERREADY®
OUR BEST ALL-WEATHER TRACTION FOR MOTHER NATURE'S WORST

Tread compound contains 100% soybean oil; resulting in a ~60% reduction in petroleum-based oil compared to its predecessor

Technology featured in polymer and compound enabled 3PMSF symbol without sacrificing wet performance

ASSURANCE COMFORTDRIVE™
OUR SMOOTHEST RIDING TIRE WITH REFINED HANDLING

Tread compound contains 100% soybean oil; resulting in a ~62% reduction in petroleum-based oil compared to its predecessor

Technology featured in polymer and compound supported the achievement of elevated wet performance without significantly trading off snow performance

EAGLE EXHILARATE®
OUR ULTIMATE ULTRA-HIGH PERFORMANCE ALL-SEASON TIRE

Soybean oil in tread compound results in a ~42% reduction in petroleum-based oil compared to its predecessor

Tread compound additive assisted with achieving winter performance targets without sacrificing wet and dry traction

EAGLE® ENFORCER ALL WEATHER®
THE FIRST-EVER PURSUIT-RATED ALL-WEATHER TIRE

Soybean oil in tread compound results in a ~45% reduction in petroleum-based oil compared to its predecessor

Technology featured in compound enabled 3PMSF symbol without sacrificing handling and wet performance

ACCOLADES **2018 Tire Technology International Awards: Environmental Achievement of the Year**

TARGETS

Goodyear exceeded the goal of a **25% increase in soybean oil consumption by 2020,** making noteworthy progress on the target of **fully replacing** petroleum-based oils **by 2040**

For more information please scan QR code

GOODYEAR MORE DRIVEN

Transportation Energy Partners

Transportation Energy Partners (TEP) is an independent, national non-profit organization that brings Clean Cities coalition leaders together with the clean transportation industry to advance policies that will reduce American dependence on petroleum-based fuels.

Beginning in 2006, TEP has convened annual Energy Independence Summits where the nation's Clean Cities leaders travel to Washington, DC to educate federal policy makers about the benefits of the Clean Cities program and the need for additional tools and resources to overcome barriers to the widespread use of clean vehicles and fuels. As a result of our efforts, Congress has significantly increased the level of funding for the deployment of clean vehicles, fuels, and infrastructure.

TEP works closely with and provides policy support to the 75 Clean Cities coalitions and their 20,000 stakeholders that are part of the Department of Energy (DOE) Clean Cities program. Since 1993, the Clean Cities coalitions have played a leading role in implementing local programs and projects to deploy alternative fuels, vehicles, and infrastructure. The Clean Cities coalitions and their stakeholders have displaced more than 13.5 billion gallons of petroleum by advancing the use of alternative fuels and vehicles, idle reduction technologies, fuel economy, and low-level fuel blends. Coalitions and their coordinators are notably fuel and technology neutral. The Clean Cities coalitions serve as honest brokers in an arena crying out for acknowledgement that there are no silver bullets, only silver buckshot, to employ as weapons of choice in the battle to end our addiction to oil.

TEP is not affiliated with the Department of Energy.

Recent Accomplishments

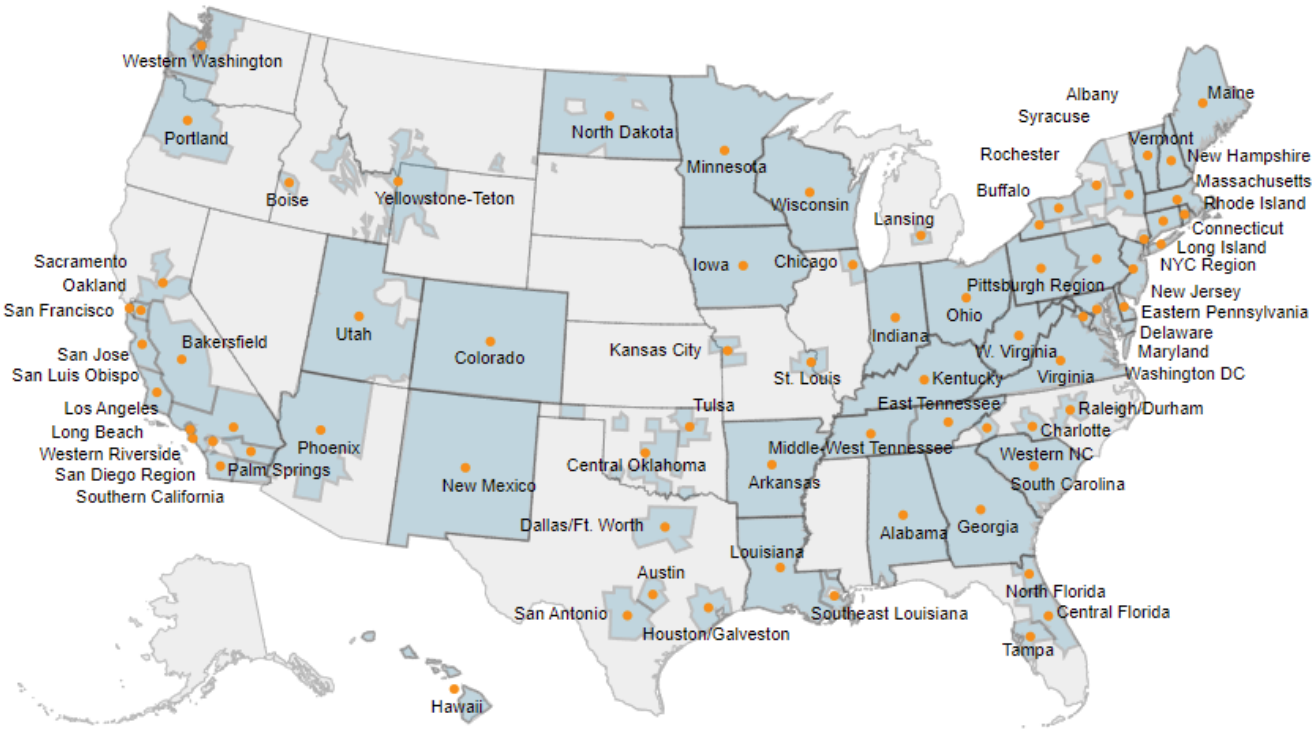
- Supported Bipartisan Infrastructure Bill.
- Increased funding for the DOE Clean Cities program to $60 million in FY 2022 bills.
- Increased funding for the EPA Diesel Emissions Reduction Grants to $140 million in FY 2022 bills.
- Worked with industry to extend expired alternative fuel tax incentives through 2021.
- Worked with DOE to increase direct support funds for coalitions.
- Worked with DOE to ensure that competitive grants take advantage of the unique capabilities of the Clean Cities coalitions.

Mobilizing Support for Clean Vehicles and Infrastructure

While there is broad public support as well as growing bipartisan political consensus for advancing clean vehicles and fuels, many barriers remain to developing national markets. TEP implements a national strategy to overcome barriers and advance clean vehicle goals and policies.

TEP works to mobilize the thousands of stakeholders involved in the national Clean Cities and other networks into a powerful grassroots voice that can drive policies to accelerate the use of clean fuels and advanced technology vehicles. TEP develops policy priorities, designs effective public messages, trains grassroots leaders, identifies allies, and implements an ongoing strategy for delivering our message to key decision-makers through traditional media, social media, public events and meetings with public officials.

Geographic Coverage of Clean Cities Coalitions



Source: U.S. Department of Energy

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