

CO₂Impact

Verifying Carbon Emissions From Electric Vehicle Charging

CO₂Impact™ is the only solution tested by the U.S. Department of Energy (DOE) for verifying CO₂ emissions from EV charging.

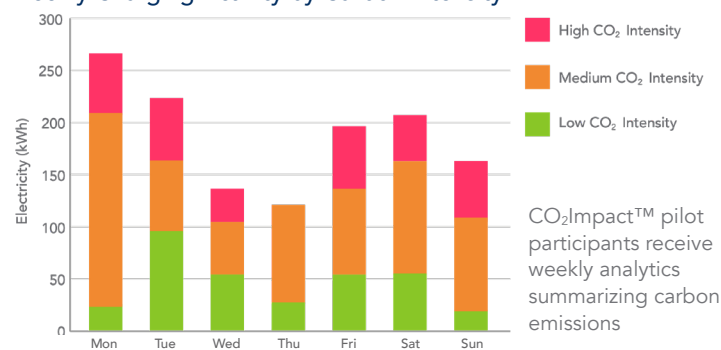
A Challenge for Today's EV Fleets

Electric vehicles produce zero direct tailpipe emissions. However, the electricity used to charge EVs may come from carbon-emitting sources. Calculating these indirect emissions is complex since the energy mix varies by time and location. Some EV fleet owners require privacy around drivers and vehicle activity, so determining the carbon intensity per charging session while protecting sensitive information is a challenge.

CO₂Impact™: A Solution for Verifying CO₂ Emissions

CO₂Impact™ leverages Web3 technologies to calculate carbon emissions from EV charging. We access vehicle telematics and electricity grid data to verify carbon intensity.

Weekly Charging Activity by Carbon Intensity



Benefits to EV Fleet Owners & Operators

EV fleet operators benefit from the ability to verify the carbon intensity of their EV charging sessions to:

- Report total carbon emissions and **meet carbon reduction goals**
- **Optimize charging** for lower emissions
- **Promote carbon emissions savings** to their local communities
- Strengthen applications to **secure EV funding** from government grants
- Compare your fleet against peers to support **improved charging decisions**
- **Protect sensitive fleet data**
- **Verify charging and discharging events** for Vehicle-to-Grid transactions

*For fleets that need to verify carbon emissions from electric vehicle charging, VIA's software technology will **accurately, quickly, and securely verify private data because it is tested by the U.S. Department of Energy.***



Want to learn more?

Scan the QR code to visit our website
www.solvewithvia.com

Contact us

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Tested by

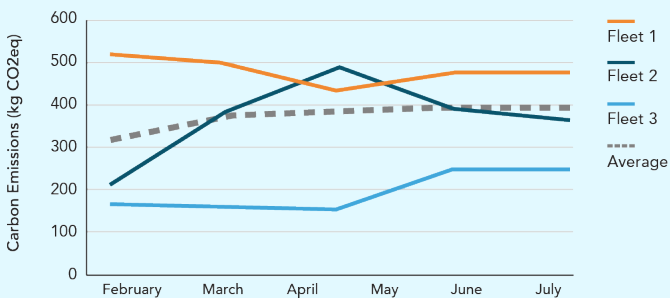
Department of Energy
 Idaho National Laboratory

Verify the Carbon Intensity of Your EVs Today

Fleet owners can participate in a **trial program** in which VIA will analyze their charging data and provide analysis, visualizations, and insights about their EV charging patterns and upstream CO₂ emissions. This trial program is now available at no cost to fleet owners. Participation is simple and requires no obligation.

- Participating fleet owners will provide VIA access to **weekly EV charging session data**
- VIA will analyze that data, combined with fuel source data from the grid, and **calculate the resulting CO₂ emissions** from each charging session
- VIA will **deliver data, charts, and insights** to the fleet owner on a weekly basis detailing the findings from the analysis
- Following the 30-day trial, participants will have the **option to continue** to provide data and receive monthly reports on an annual subscription basis

Comparing Carbon Emissions Across Fleets



CO₂Impact™ trial participants receive weekly analytics summarizing carbon emissions across fleets

Start verifying your EV charging CO₂ emissions with a FREE 30-Day Trial



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Well Suited to Serve EV Fleets



Mission Aligned

VIA's mission is to empower organizations to reduce greenhouse gas emissions in order to create cleaner, safer, and more equitable communities



DOE Tested

With a DOE-tested solution, EV fleet operators can trust that VIA's services are accurate and meet the highest standards



DoD Cybersecure

VIA's DoD cybersecurity accreditation speaks to its ability to shield threats for EV fleet operators



Data Expertise

VIA has a proven track record of solving complex challenges involving data verification, ingestion, and analysis while keeping underlying data private and secure

The VIA Platform

VIA's platform is the only U.S. Department of Defense (DoD) cybersecurity accredited blockchain and holds 13 issued patents related to data privacy and verification. VIA's customers include the DoD, utilities, state & local governments, insurance companies, logistics companies, technology companies, and automotive OEMs.

VIA's comprehensive platform includes rigorously tested components for blockchain, smart contracts, smart wallets, zero-knowledge proofs, and fingerprinting to solve data access, analysis, and verification challenges.



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About us

VIA's mission is to make communities cleaner, safer, and more equitable by using AI and Web3 technologies. Using its Web3 platform, VIA enables real-time data verification, automated ingestion, and privacy-preserving analysis across multiple private data sources including energy and environmental data. The U.S. Department of Defense (DoD), Fortune 50 companies, and energy providers around the globe trust VIA to help them solve their toughest data privacy challenges.