



NEVI STATE PLAN STAKEHOLDER SURVEY

Comments Analysis

Prepared by PennDOT Bureau of Innovations
July 2022

Background

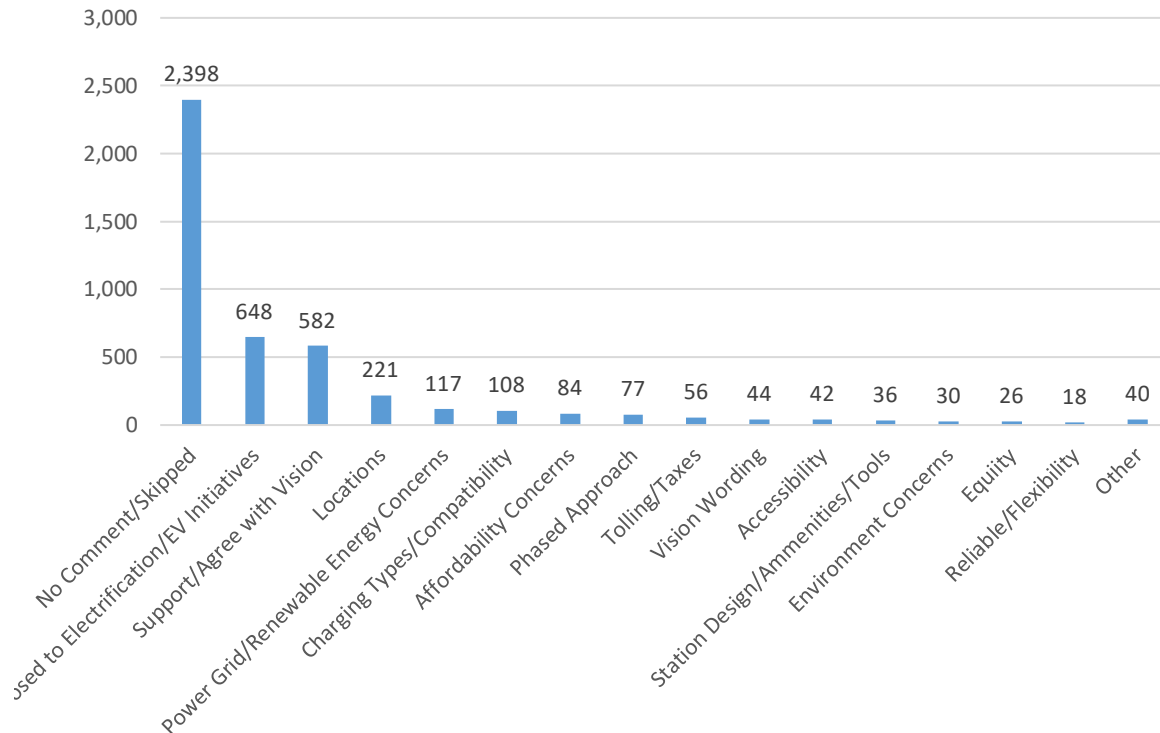
The charts in this document illustrate the categories or themes expressed in the comment responses to Questions 5, 8, 13, 15, 18, and 19 of the NEVI State Plan Stakeholder Survey. Although the questions are different, many of themes expressed are similar, such as comments expressing opposition or concerns related to electric vehicle (EV) initiatives and electrification as a whole, recommendations for charging locations, and types of chargers.

Inclusion of respondents that did not submit comments or feedback regarding statements, goals or recommendations on the Pennsylvania State NEVI Plan are considered in agreement or in support of electrification and the approaches proposed by PennDOT for the NEVI Formula Funds implementation.

Q5. Do you have any feedback on PA's NEVI State Plan Vision Statement: "Strategically deploy a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors"?

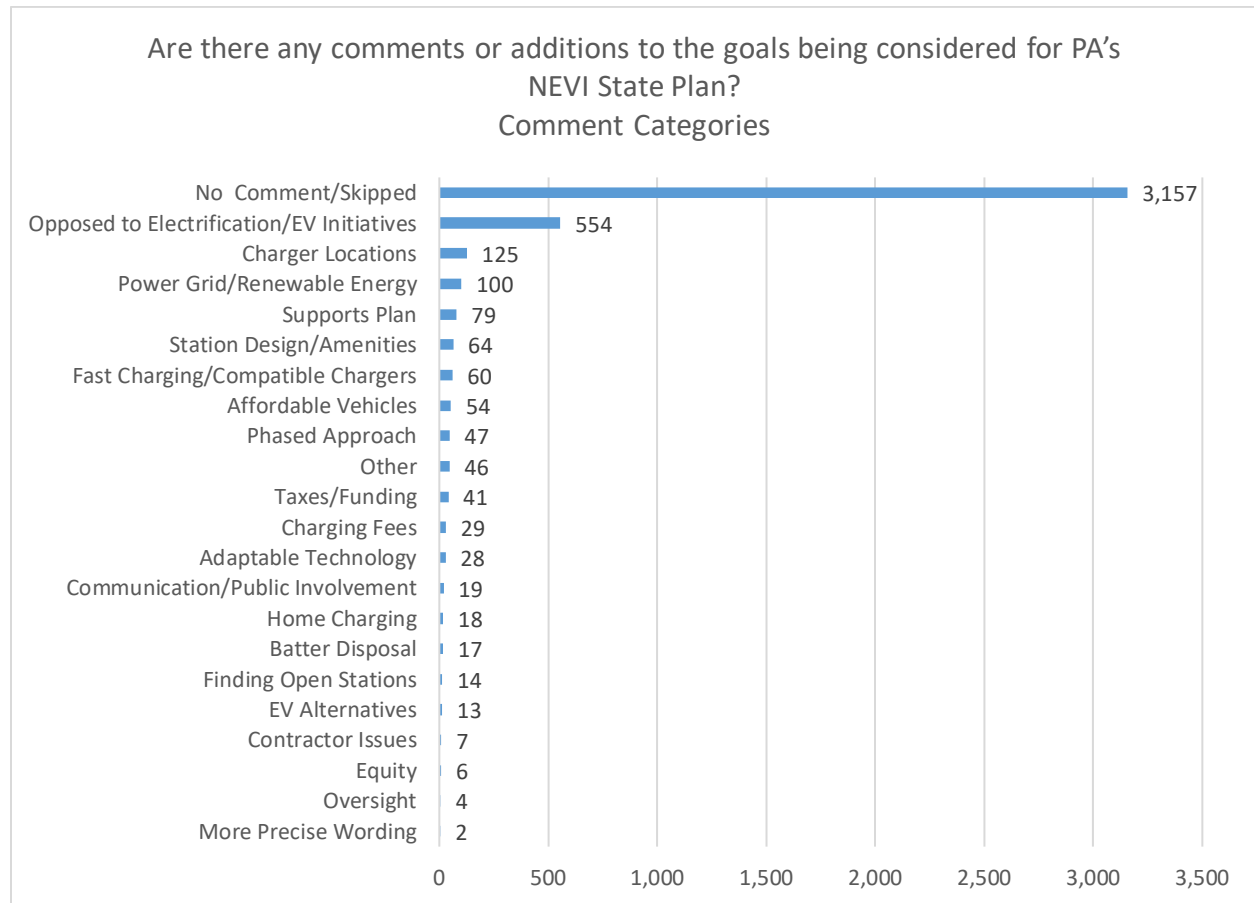
Do you have any feedback on PA's NEVI State Plan Vision Statement: "Strategically deploy a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors"?

Comment Categories



- **No Comment/Skipped.** 2,398 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 648 respondents express opposition to Electrification/EV Initiatives, either expressing concerns about the viability of electric vehicles, or stating an opposition to using public funds to support the building, use and maintenance of charging stations.
- **Support/Agree with Vision Statement.** 582 respondents agree with the vision statement provided.
- **Locations.** 221 respondents relate to charging station locations, stating interest specific locations or rural areas.
- **Power Grid/Renewable Energy Concerns.** 117 respondents express concerns about the power grid's ability to handle the increase in electricity use, or to ensure the use of renewable energy to charge vehicles.
- **Charging Types/Compatibility.** 108 respondents relate to either a desire for one type of charger (e.g., Level 2, Level 3 or Tesla) or ensuring that stations offer compatibility for all types of chargers.
- **Affordability Concerns.** 84 respondents express a concern about the expense of buying EVs.
- **Phased Approach.** 77 respondents suggest a phased or longer approach to implementing the plan to allow for more drivers to transition to EV ownership.
- **Tolling/Taxes.** 56 respondents relate to concerns about collecting a fair tax from EV users who would not be paying gas tax.
- **Vision Wording.** 44 respondents suggest specific wording of the vision statement, particularly concerning the use of the term range confidence.
- **Accessibility.** 42 respondents express concerns about accessibility for disabled or underserved populations.
- **Station Design/Amenities/Tools.** 36 respondents provide suggestions for station design (e.g. multiple charging bays, long bays to accommodate vehicles with trailers) amenities (e.g. food, shelter, restrooms, security cameras), or tools for finding open charging stations.
- **Environment Concerns.** 30 respondents express concerns about the environmental impact of EVs, including disposal of used batteries and the space needed to build charging stations.
- **Equity.** 26 respondents suggest that the term equity be better defined or that equity issues are balanced with providing stations in areas that are most likely to use them.
- **Reliability/Flexibility.** 18 respondents suggest that the vision statement expresses the need for a reliable and flexible network of charging stations.
- **Other.** 40 respondents relate to other concerns, such as providing solutions for apartment dwellings, inter-state cooperation, and community involvement.

Q8. Are there any comments or additions to the goals being considered for PA’s NEVI State Plan?

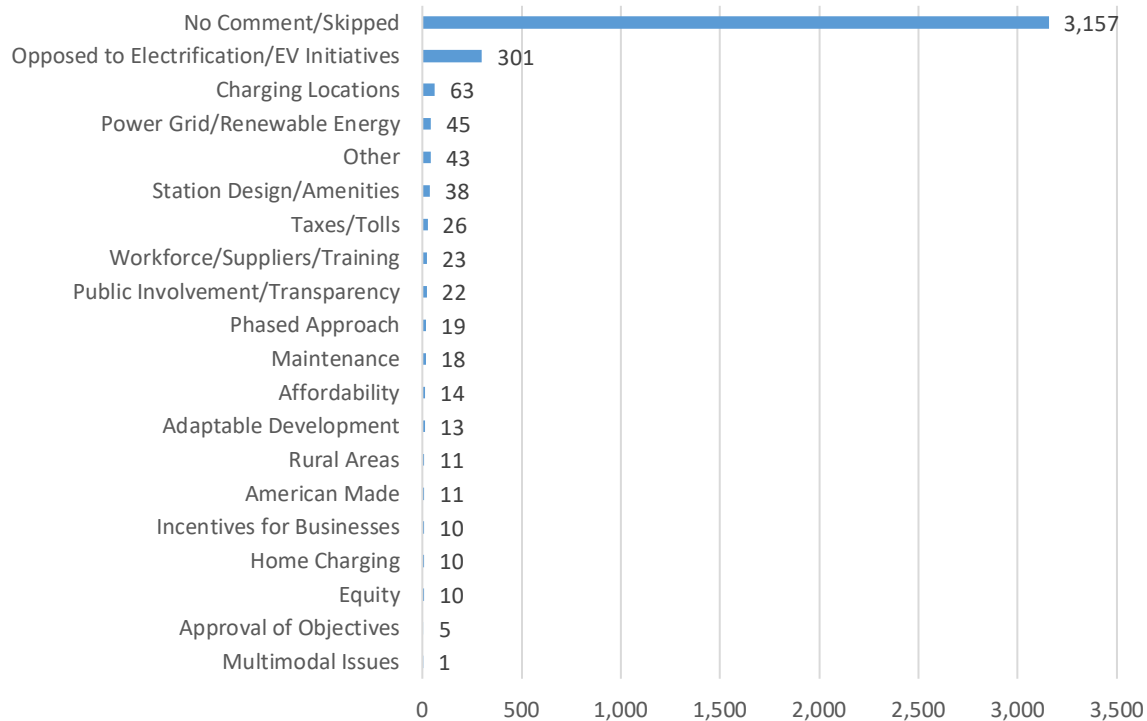


- **No Comment/Skipped.** 3,157 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 554 respondents express opposition to Electrification/EV Initiatives, either expressing concerns about the viability of electric vehicles, or stating an opposition to using public funds to support the building, use and maintenance of charging stations.
- **Charger Locations.** 125 respondents relate to charging station locations, stating interest specific locations or rural areas.
- **Power Grid/Renewable Energy Concerns.** 100 respondents express concerns about the power grid’s ability to handle the increase in electricity use, or to ensure the use of renewable energy to charge vehicles.
- **Supports Plan.** 79 respondents express support for the plan and/or urgency for implementation.
- **Station Design/Amenities/Tools.** 64 respondents provide suggestions for station design (e.g. multiple charging bays, long bays to accommodate vehicles with trailers) amenities (e.g. food, shelter, restrooms, security cameras), or tools for finding open charging stations.
- **Fast Charging/Compatible Chargers.** 60 respondents relate to either a desire for one type of charger (e.g., Level 2, Level 3 or Tesla) or ensuring that stations offer compatibility for all types of chargers.

- **Affordability Vehicles.** 54 respondents express a concern about the expense of buying EVs.
- **Phased Approach.** 47 respondents suggest a phased or longer approach to implementing the plan to allow for more drivers to transition to EV ownership.
- **Other.** 46 relate to other concerns, such as providing solutions for apartment dwellings, inter-state cooperation, and community involvement.
- **Taxes/Funding.** 41 comments relate to concerns about collecting a fair tax from EV users who would not be paying gas tax.
- **Charging Fees.** 29 comments relate to charging fees, whether fees should be collected, or if charging should be free.
- **Adaptable Technology.** 28 comments state the need for the goals to include the use of technology that will be adaptable and functional for the near term and the future.
- **Communication/Public Involvement.** 19 comments express a need for communication and public involvement in plans for stations and ensuring buy-in with all stakeholders.
- **Home Charging.** 18 comments suggest the goals address home charging issues, such as subsidizing costs for home charging and accommodating home charging for apartment dwellings.
- **Battery Disposal.** 17 comments state the goals should address the need for battery disposal.
- **Finding Open Stations.** 14 comments state the goals should include providing tools to find available charging stations.
- **EV Alternatives.** 13 comments suggest including goals that provide for zero emission EV alternatives, such as hydrogen cell technology, or hybrid EVs to provide a transition from vehicles utilizing gasoline.
- **Contractor Issues.** Seven comments advocate for either using or not using specific suppliers of EV charging stations.
- **Equity.** Six comments suggest that the term equity be better defined or that equity issues are balanced with providing stations in areas that are most likely to use them.
- **Oversight.** Four comments suggest the including of oversight and transparency into the stated goals.
- **More Precise Wording.** Two comments suggest changes in the wording of goals, such as avoiding jargon, and using plain language.

Q 13. Are there any comments or additions to the objectives that should be considered for PA's NEVI State Plan?

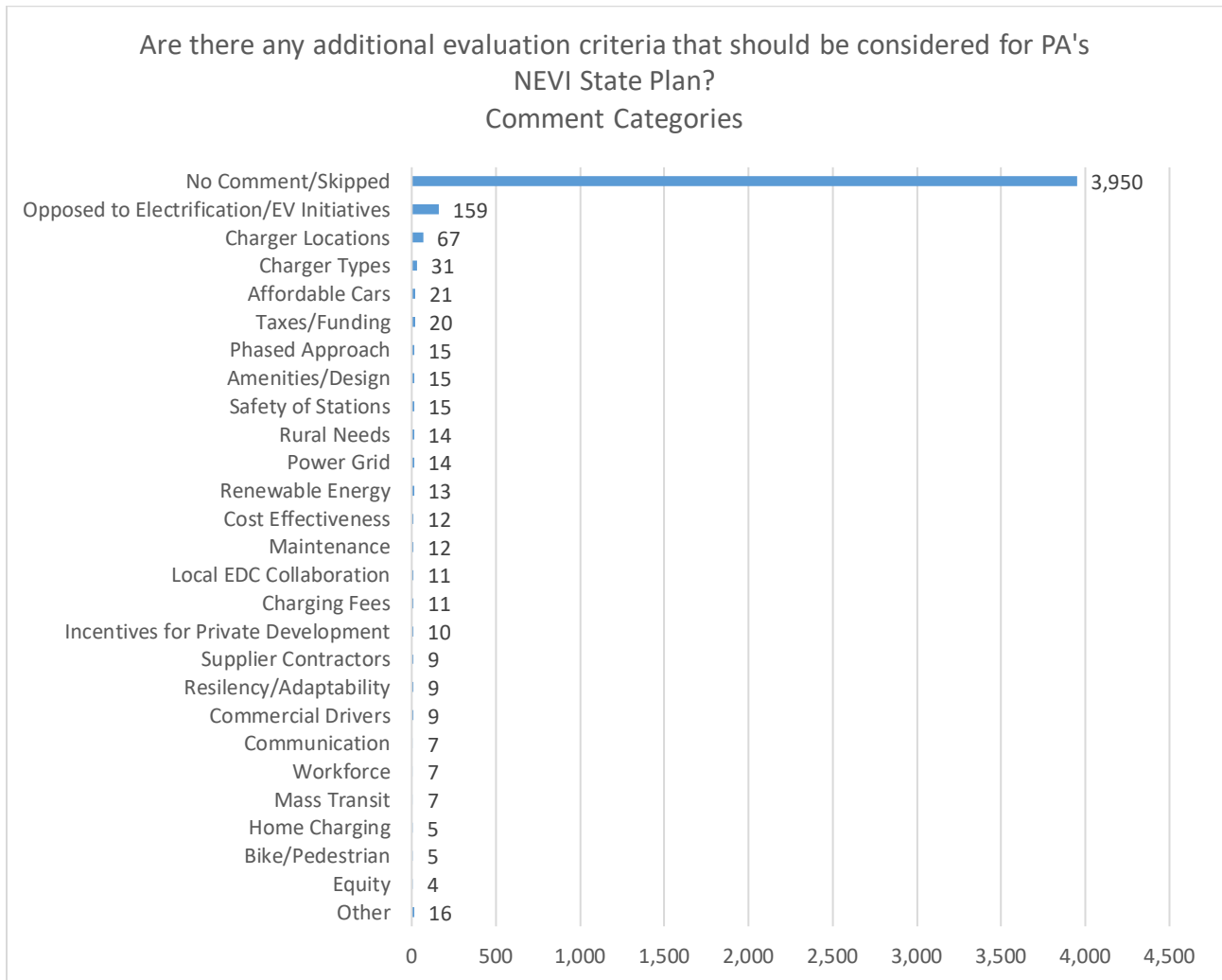
Are there any comments or additions to the objectives that should be considered for PA's NEVI State Plan?



- **No Comment/Skipped.** 3,157 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 301 respondents express opposition to Electrification/EV Initiatives, either expressing concerns about the viability of electric vehicles, or stating an opposition to using public funds to support the building, use and maintenance of charging stations.
- **Charger Locations.** 63 respondents relate to charging station locations, stating interest specific locations or rural areas.
- **Power Grid/Renewable Energy Concerns.** 45 respondents express concerns about the power grid’s ability to handle the increase in electricity use, or to ensure the use of renewable energy to charge vehicles.
- **Station Design/Amenities.** 38 respondents provide suggestions for station design (e.g. multiple charging bays, long bays to accommodate vehicles with trailers) amenities (e.g. food, shelter, restrooms, security cameras), or tools for finding open charging stations.
- **Taxes/Tolls.** 26 respondents relate to concerns about collecting a fair tax from EV users who would not be paying gas tax.
- **Workforce/Suppliers/Training.** 23 respondents relate to issues regarding the workforce, such as the use of union labor, or training to provide jobs in the EV charging industry.
- **Public Involvement/Transparency.** 22 respondents suggest the need for public involvement and transparency.

- **Phased Approach.** 19 respondents suggest a phased approach to provide a more gradual transition from gas vehicles to EV.
- **Maintenance.** 18 respondents suggest the objectives ensure charging stations are regularly maintained.
- **Affordability.** 14 respondents relate to concerns about the affordability of EV.
- **Adaptable Development.** 13 suggest the objectives ensure development that can easily adapt to future technology.
- **Rural Areas.** 11 respondents express concerns for rural areas.
- **American Made.** 11 respondents suggest objectives include requirements for American based suppliers.
- **Incentives For Business.** 10 respondents suggest objectives that provide incentives for businesses installing chargers.
- **Home Charging.** 10 respondents suggest objectives provide solutions for home charging.
- **Equity.** 10 respondents concern equity issues.
- **Approval of Objectives.** Five respondents simply express the respondent approves of the objectives.
- **Multimodal Issues.** One respondent pertain to incorporating multimodal transportation into planning.
- **Other.** 43 respondents provide other nonrelated comments.

Q15. Are there any additional evaluation criteria that should be considered for PA's NEVI State Plan?

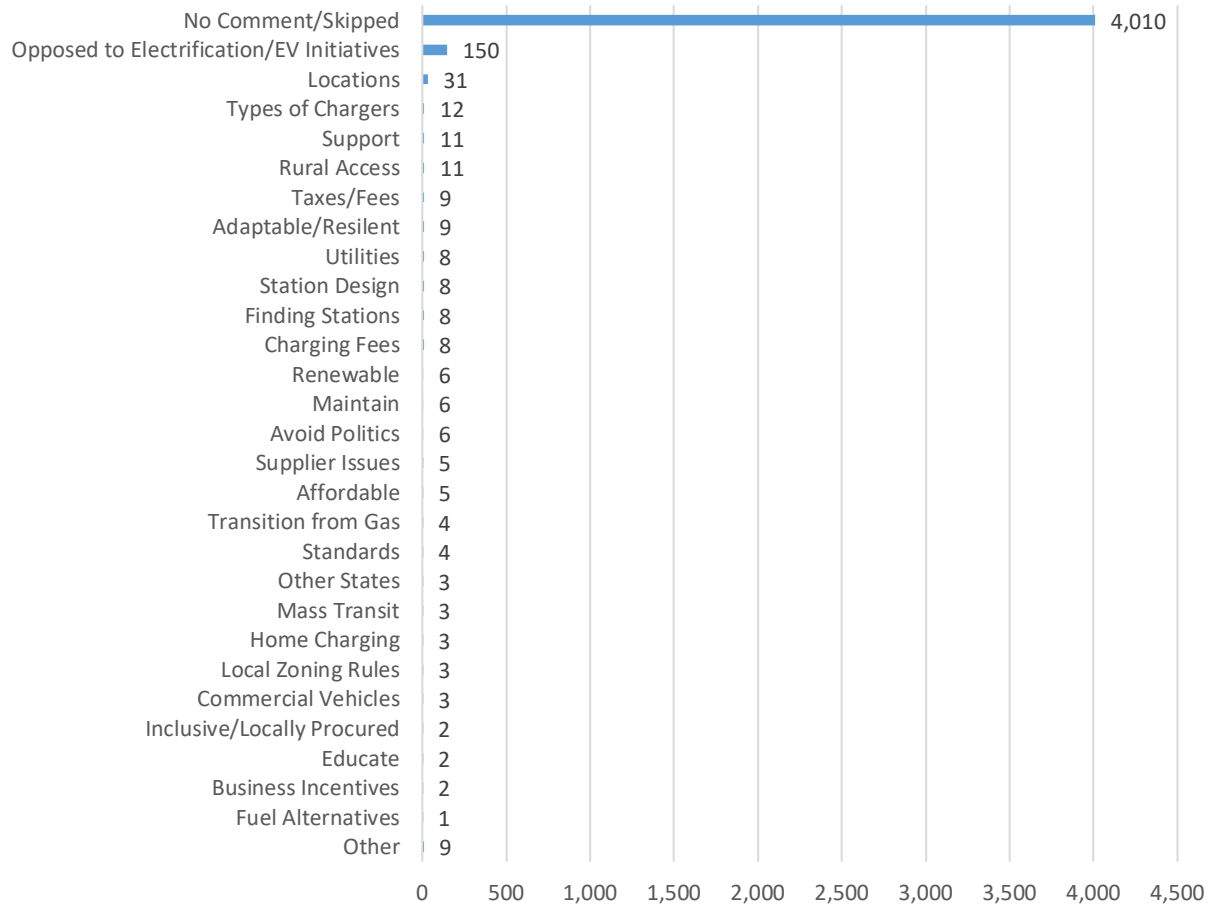


- **No Comment/Skipped.** 3,950 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 159 respondents express opposition to Electrification/EV Initiatives, either expressing concerns about the viability of electric vehicles, or stating an opposition to using public funds to support the building, use and maintenance of charging stations.
- **Charger Locations.** 67 respondents relate to charging station locations, stating interest specific locations or rural areas.
- **Charger Types.** 31 respondents suggest specify charging types or compatibility for all chargers.
- **Affordable Cars.** 21 express the need for affordable EVs.
- **Taxes/Funding.** 20 express concerns about the loss of gas tax revenue.
- **Phased Approach.** 15 suggest a phased approach to building stations.
- **Amenities/Design.** 15 respondents suggest amenities such as restrooms, or space for vehicles with trailers.
- **Safety of Stations.** 15 respondents express concerns about safety at charging stations.

- **Rural Needs.** 14 respondents express the need for rural charging stations.
- **Power Grid.** 14 comments relate to power grid issues.
- **Renewable Energy.** 13 suggest the need for renewable electricity at charging stations.
- **Cost Effectiveness.** 12 respondents suggest that measures are taken to keep the plan cost effective.
- **Maintenance.** 12 respondents suggest the plan ensures the maintenance of chargers.
- **Local EDC Collaboration.** 11 respondents suggest the commonwealth collaborate with local EDCs.
- **Charging Fees.** 11 respondents relate to charging fees.
- **Incentives for Private Development.** 10 suggest incentives for private development of charging stations.
- **Supplier Contractors.** Nine relate to EV suppliers.
- **Resiliency/Adaptability.** Nine relate to ensuring a resilient and adaptable charging network.
- **Commercial Drivers.** Nine express needs for commercial drivers, such as room at charging stations for trucks and support for charging of commercial fleets.
- **Workforce.** Seven suggest the plan support the need to train a workforce or to utilize union labor.
- **Mass Transit.** Seven request that charging stations are near mass transit.
- **Home Charging.** Five respondents suggest support for home charging.
- **Bike/Pedestrian.** Five respondents request that charging stations do not interfere with bike or pedestrian routes.
- **Equity.** Four respondents relate to equity issues.

Q18. Any additional feedback, recommendations, or considerations for the PA NEVI State Plan?

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Comment Categories

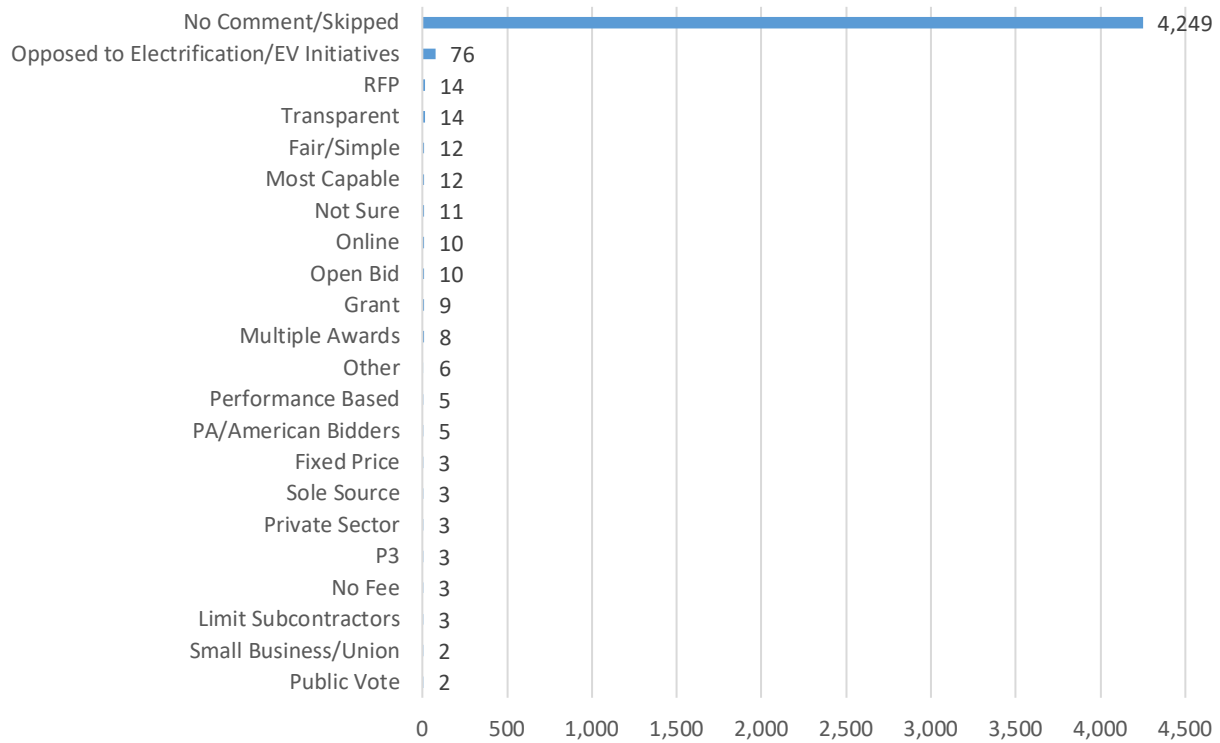


- **No Comment/Skipped.** 4,010 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 150 comments state opposition to Electrification/EV Initiatives.
- **Locations.** 31 comments suggest locations for charging stations.
- **Types of Chargers.** 12 comments suggest either specific charging types or compatibility for all charging types.
- **Support.** 11 comments express support for the plan.
- **Rural Access.** 11 comments express concerns for rural access to charging stations.
- **Taxes/Fees.** Nine comments relate to taxes or fees.
- **Adaptable/Resilient.** Nine comments express the need for an adaptable charging network.
- **Utilities.** Eight suggest coordination with utilities.

- **Station Design.** Eight suggest station design considerations, such as disability access, multiple charging bays, etc.
- **Finding Stations.** Eight comments suggest tools or signage for finding stations.
- **Charging Fees.** Eight comments relate to charging fees.
- **Renewable.** Six comments relate to the use of renewable energy.
- **Maintain.** Six comments relate to the maintenance of stations.
- **Avoid Politics.** Six comments express a need for the planning process to avoid political influence.
- **Supplier Issues.** Five recommend the use or exclusion of specific suppliers.
- **Affordable.** Five suggest the need for affordable vehicles.
- **Transition from Gas.** Four suggest a plan that allows for a gradual transition from gas vehicles.
- **Standards.** Four recommend industry standards are followed.
- **Other States.** Three suggest the plan follow best practices learned from other states.
- **Mass Transit.** Three suggest the plan make chargers available near mass transit to encourage its use.
- **Home Charging.** Three express home charging concerns.
- **Local Zoning Rules.** Three suggest that the plans follow local zoning rules or that local rules are adapted to suit the plan.
- **Commercial Vehicles.** Three comments relate to commercial vehicle needs.
- **Inclusive/Locally Procured.** Two comments suggest that plans are inclusive of many suppliers or that suppliers are procured locally, instead of statewide.
- **Educate.** Two suggest the need for education.
- **Business Incentives.** Two suggest business incentives for installing chargers at their place of business.
- **Fuel Alternatives.** One comment suggests alternatives to EVs, such as hybrids.

Q19. If interested in pursuing NEVI Formula Program funds, what RFP or contracting process would you prefer?

If interested in pursuing NEVI Formula Program funds, what RFP or contracting process would you prefer?
Comment Categories



- **No Comment/Skipped.** 4,249 respondents indicated no comment or had no response to this question.
- **Opposed to Electrification/EV Initiatives.** 76 comments express opposition to Electrification/EV Initiatives
- **RFP.** 14 comments suggest the use of an RFP.
- **Transparent.** 14 comments express the need for a transparent process.
- **Fair/Simple.** 12 comments express the need for a fair and simple process.
- **Most Capable.** 12 comments suggest the most capable supplier is selected, instead of the lowest bidder.
- **Not Sure.** 11 comments are not sure what process should be used.
- **Online.** 10 comments suggest an online process.
- **Open Bid.** 10 comments suggest an open bid.
- **Grant.** Nine comments suggest grants.
- **Multiple Awards.** Eight comments suggest awarding the contract to multiple vendors.
- **Performance Based.** Five comments suggest a performance-based contract

- **PA/American Bidders.** Five comments suggest using only PA-based or US- based suppliers.
- **Fixed Price.** Three comments suggest a fixed price contract.
- **Sole Source.** Three comments suggest a sole source contract.
- **Private Sector.** Three comments suggest incentives for the private sector to develop the network.
- **P3.** Three comments suggest a P3.
- **No Fee.** Three comments suggest no fee contract.
- **Limit Subcontractors.** Three comments suggest limiting the number of subcontractors involved.
- **Small Business/Union.** Two comments suggest contracting with small business or union firms.
- **Public Vote.** Two comments suggest a public vote.