

U.S. Department of Energy - Energy Efficiency and Renewable Energy
Alternative Fuels Data Center

Electric Vehicle Supply Equipment (EVSE) Permitting and Inspection Process

Application Process

1. In your area, what is the average time it takes for an electric vehicle supply equipment (EVSE) owner or site manager to complete the permitting, installation and, if applicable, inspection process?

Less than 1 day 1 to 2 days 3 days to 1 week > 1 week I don't know

2. What are the options for submitting an EVSE permitting application? Check all that apply.

Online In-person By telephone Regular mail Other I don't know

Enter any additional notes:

3. Indicate all the types of EVSE installation permit applications you have that are separate from general electrical work permit applications? Check all that apply.

Residential Commercial Public Level 1 Level 2 Fast charger None I don't know

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Information Access and Assistance

1. How is information describing the permitting process made available? Check all that apply.

- Online Telephone hotline Print publications Training sessions Other/Not Available
 I don't know

Enter any additional notes:

2. Is there an accessible, designated point of contact for questions about the electric vehicle supply equipment (EVSE) permitting process?

- No Yes I don't know

Enter any additional notes:

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Permit and Inspection Fees

1. What is the average fee for a *residential* electric vehicle supply equipment (EVSE) permit and inspection in your area? If your area charges a separate fee for these two services, add the two together.

Free \$1-50 \$51-100 \$101-200 \$201-300 \$301-500 More than \$500 I don't know

2. What is the average fee for a *commercial* electric vehicle supply equipment (EVSE) permit and inspection in your area? If your area charges a separate fee for these two services, add the two together.

Free \$1-50 \$51-100 \$101-200 \$201-300 \$301-500 More than \$500 I don't know

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Installation Workforce Training

1. Are there electric vehicle supply equipment (EVSE) installer training or certification programs available for electricians in your area? If so, please enter the program name(s) in the notes section below.

No Yes I don't know

Enter any additional notes:

2. Have permitting inspectors in your area been trained on the specifics of EVSE installations?

No Yes I don't know

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Laws, Incentives, and Financing

Laws and Incentives

1. **How much of a tax incentive, grant, or rebate does your area offer per vehicle for individuals or organizations to purchase highway-certified, plug-in electric vehicles? Indicate the maximum allowable.**
- None Less than \$1000 \$1001 to \$2000 \$2001 to \$3000 More than \$3000 I don't know
2. **How much of a tax incentive, grant, or rebate does your area offer per installation of residential or public charging equipment? Indicate the maximum allowable.**
- None Less than \$250 \$251 to \$500 More than \$750 I don't know
3. **What monetary or non-monetary incentives for plug-in electric vehicles does your area offer? Check all that apply.**
- Free parking HOV lane access or bypassing taxi queues Free charging
 Reduced licensing or registration fees Exemption from vehicle testing (e.g., emissions) I don't know

Enter any additional notes:

4. **Does your area have any existing laws that benefit plug-in electric vehicles (PEVs) and infrastructure use (for example, local fleet mandates to use electric vehicles, low carbon fuel standards, greenhouse gas emission regulations, planning/zoning requirements for new construction to include EVSE provisions, etc.)? Use the notes section to explain.**
- Yes No We actually have laws that restrict PEVs I don't know

Enter any additional notes:

5. **Are there any future laws or incentives pending or planned that would affect the deployment of plug-in electric vehicles (PEVs)? Use the notes section to explain.**
- Yes No We actually have pending laws that restrict PEVs I don't know

Enter any additional notes:

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Laws, Incentives, and Financing

Financing

1. Does your area have any existing programs or provisions (such as, with local financial institutions) for low-cost financing or purchase of plug-in electric vehicles or electric vehicle supply equipment (EVSE) that are different from those offered for conventional vehicles?

No Yes I don't know

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Education and Outreach

Educational and Outreach Efforts

1. Does your area have an outreach program to educate potential plug-in electric vehicle buyers and the general public about the benefits and costs of these vehicles and charging infrastructure?

No Yes I don't know

2. Does your area host a website for the general public that provides local information about plug-in electric vehicles and charging infrastructure?

No Yes I don't know

3. Does your area make use of Clean Cities educational resources for plug-in electric vehicles, such as the Alternative Fuels Data Center website, FuelEconomy.gov, or local coalition websites? Use the notes section to indicate which ones.

No Yes I don't know

Enter any additional notes:

4. Is your area part of a larger program to encourage the use of plug-in electric vehicles (such as, Clean Cities, Project Get Ready or National League of Cities)? Use the notes section to indicate which ones.

No Yes I don't know

Enter any additional notes:

5. Are educational efforts in your area coordinated at the regional or state level?

No Yes I don't know

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Utility Involvement

Electricity Rates and Programs

1. Do utilities in your area have a program in place to address grid infrastructure requirements and operational impacts of charging for plug-in electric vehicles?

No Yes I don't know

2. Do utilities in your area offer a separate rate for plug-in electric vehicles? If so, please describe the rate.

No Yes I don't know

Enter any additional notes:

3. Do utilities in your area offer any tools to help the consumer understand the costs and benefits of plug-in electric vehicles under different rate structures?

No Yes I don't know

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Utility Involvement

Utility Planning and Implementation

- 1. How engaged are the utilities in local efforts to deploy plug-in electric vehicles and charging infrastructure (for example, participation in planning efforts, working with local jurisdictions to understand building permitting and codes, or working with public utility commissions on how to help with plug-in electric vehicle rollouts)?**
 Not engaged Somewhat engaged Moderately engaged Highly engaged I don't know
- 2. Have the utilities in your area analyzed the impacts of plug-in electric vehicles on the local grid or forecasted the location of potential plug-in electric vehicle concentrations?**
 No Yes I don't know
- 3. Have the utilities in your area developed a procedure for customers (directly or indirectly) to notify the utility before installing EVSE, so the utility can plan for additional demand?**
 No Yes, via automated reporting Yes, via voluntary reporting I don't know
- 4. Have the utilities in your area deployed "smart grid" technologies (such as, smart meters) to assist with development of future plug-in electric vehicle markets and capabilities?**
 No Yes, planned in next 2-5 years Yes, as a pilot with limited coverage
 Yes, with full implementation for PEV owners I don't know

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Plug-In Vehicle Market Conditions

Plug-in Vehicle, EVSE, and Service Availability

1. Approximately how many *all-electric* vehicles are currently in use in your area? If more than 1000, please enter the number below.

None Less than 500 500 to 1000 Greater than 1000 I don't know

Enter any additional notes:

2. Approximately how many *plug-in hybrid electric* vehicles are currently in use in your area? If more than 1000, please enter the number below.

None Less than 500 500 to 1000 Greater than 1000 I don't know

Enter any additional notes:

3. How many models of plug-in electric vehicles do you expect to be available for purchase or lease in your area during the next one to two years? If more than 10, please enter the expected number of available models in the notes section below.

Less than 3 3 to 5 6 to 10 More than 10 I don't know

Enter any additional notes:

4. How many dealerships in your area are currently selling plug-in electric vehicles?

Less than 3 3 to 5 6 to 10 More than 10 I don't know

5. **Approximately how many public electric vehicle supply equipment (EVSE) charging points ("ports" or "outlets", not just "stations") are currently in service in your area?**
- Less than 10 10 to 25 More than 25 I don't know
6. **Approximately what percentage of plug-in electric vehicle buyers are installing residential level 2 (240 V) EVSE in your local jurisdiction?**
- Less than 25% 25% to 49% 50% to 75% Greater than 75% I don't know
7. **How many EVSE charging points ("ports" or "outlets", not just "stations") do you anticipate will be constructed in your area during the next one to two years?**
- None Less than 10 10 to 25 More than 25 I don't know

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Plug-In Vehicle Market Conditions

Plug-in Vehicle Projections

1. **Approximately how many plug-in electric vehicles do government fleets (federal, state, and local) in your area use?**
 None Less than 5 5 to 10 More than 10 I don't know
2. **Approximately how many plug-in electric vehicles do private fleets (including utility fleets) in your area use?**
 None Less than 10 10 to 25 More than 25 I don't know
3. **Approximately how many plug-in electric vehicles do government fleets (federal, state, and local) in your area plan to add in the next one to two years?**
 None Less than 10 10 to 25 More than 25 I don't know
4. **Approximately how many plug-in electric vehicles do private fleets (including utility fleets) plan in your area plan to add in the next one to two years?**
 None Less than 25 25 to 50 More than 50 I don't know

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Long-Term Vehicle and Infrastructure Planning

Planning and Collaboration

1. **Does your area have a comprehensive plan for plug-in electric vehicle infrastructure deployment?**

No Yes I don't know

2. **Does your area intend to develop a comprehensive plan for plug-in electric vehicle infrastructure deployment?**

No Yes Plan is already developed I don't know

3. **Has your area created a collaborative group of local stakeholders to help align diverse plug-in electric vehicle interests and plan for deployment?**

No Yes I don't know

4. **Has an elected leader in your area (mayor, governor, etc.) appointed a single agency or person to oversee the development and implementation of a plug-in electric vehicle infrastructure deployment plan?**

No Yes I don't know

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Long-Term Vehicle and Infrastructure Planning

Market Potential and Analysis

1. Has someone in your area performed an analysis to select the best locations for initial public electric vehicle supply equipment (EVSE)?

No Yes I don't know

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