

WHERE TO START

SO, YOU WANT TO HELP YOUR COMMUNITY TRANSITION TO ELECTRIC VEHICLES (EVS)?

You've come to the right place. Whether you're completely new to Partners in Energy, or are an existing community in the planning, implementation, or graduate phase, we're excited to work with you in advancing your community's EV plans. This toolkit is designed to be a flexible resource to support communities at various stages of EV planning. There are three primary ways to use this toolkit:

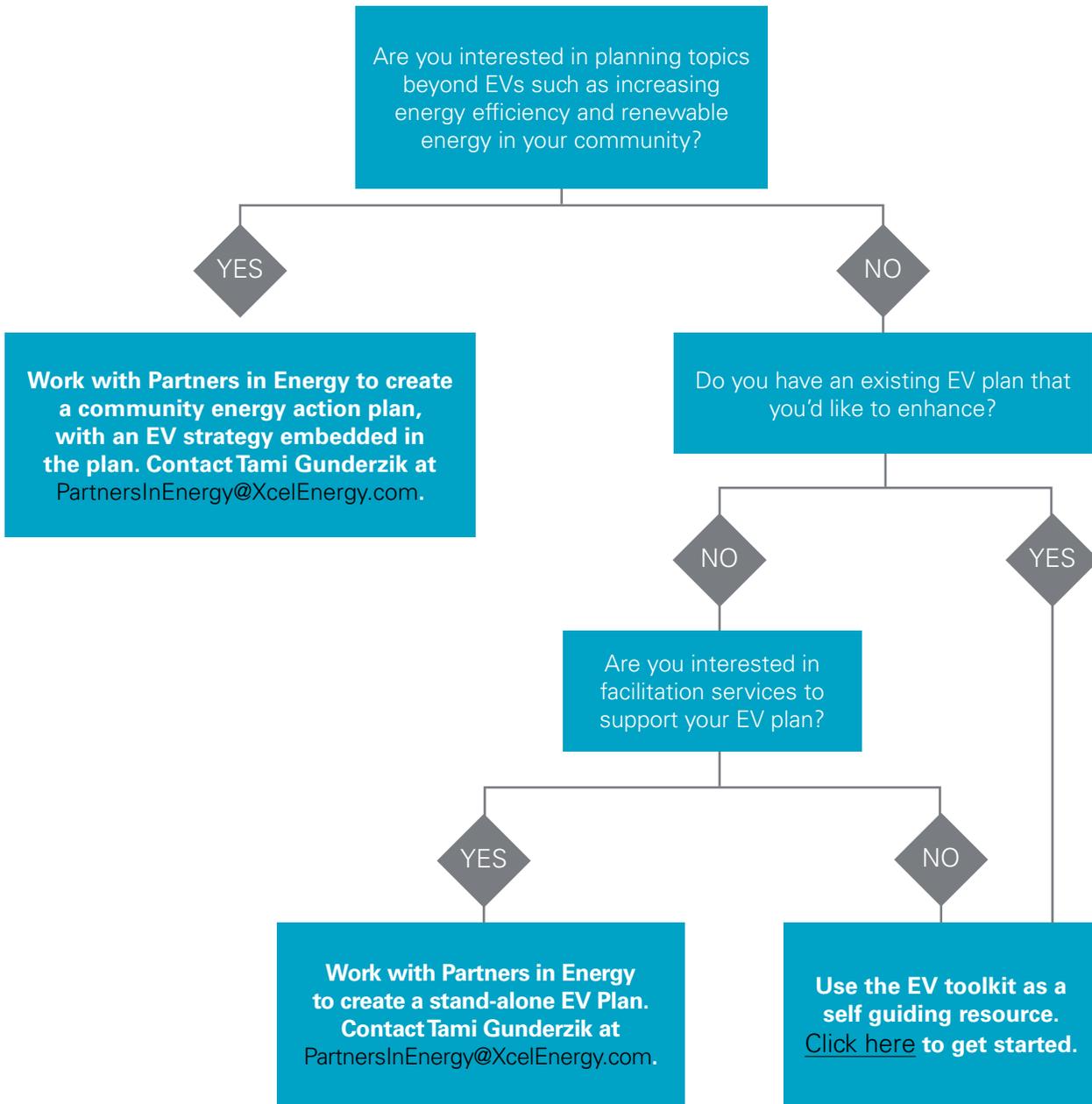
1. Work with Partners in Energy facilitators to create an EV plan for your community, using this toolkit as a planning guide.
2. Create your own EV plan, using this toolkit as a planning guide.
3. Enhance your existing EV plan or sustainability plan with targeted focus areas, strategies and examples from this toolkit.

The Partners in Energy EV toolkit is free to use in any situation or regardless of the option you choose.



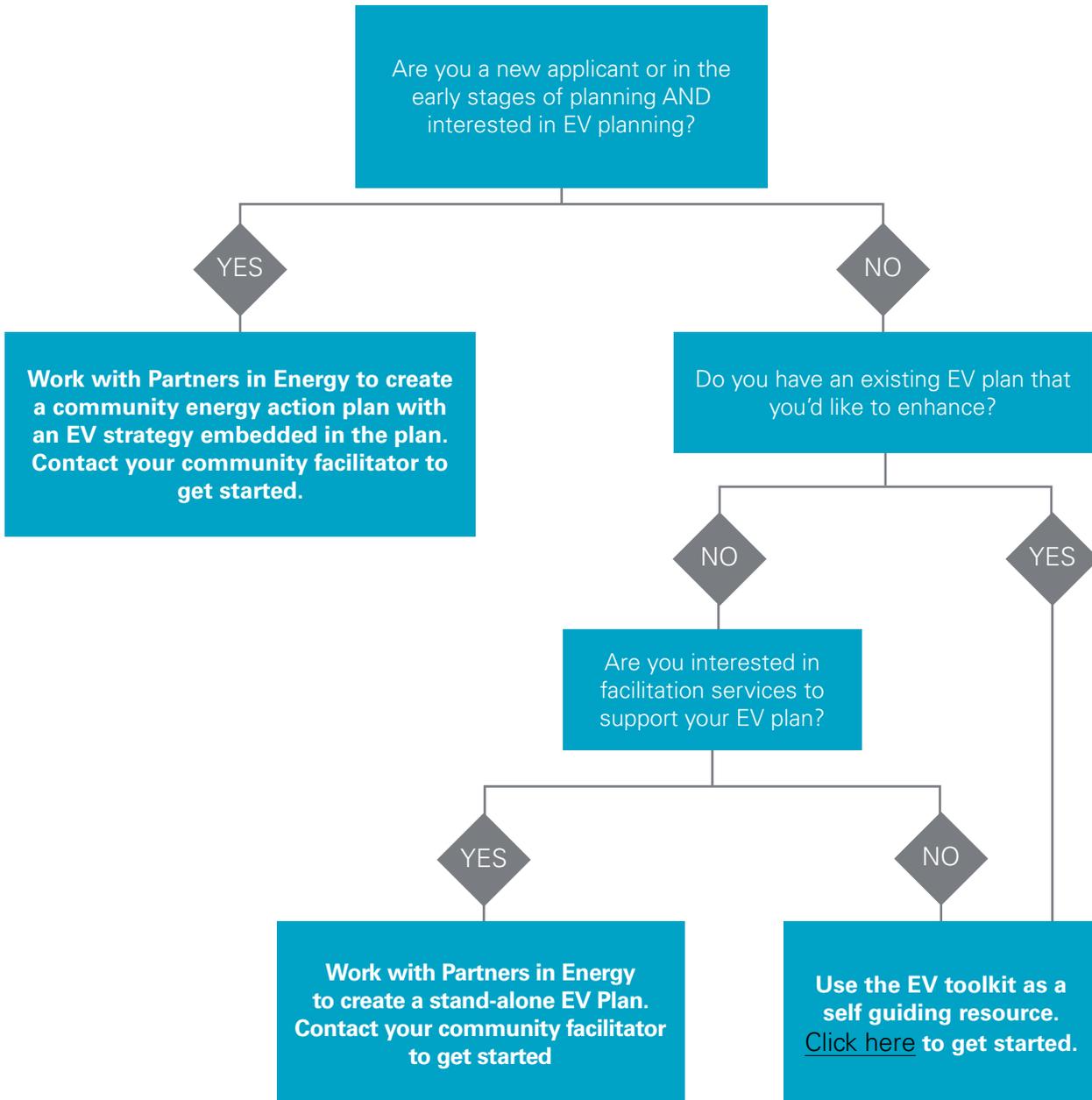
COMMUNITIES NEW TO PARTNERS IN ENERGY

If you're new to Partners in Energy, welcome! We're happy to support your EV planning needs as a stand-alone effort or in conjunction with a broader community energy action plan. The decision tree below provides guiding questions to help inform which approach might be best for your community.



EXISTING PARTNERS IN ENERGY COMMUNITIES

If you're an existing or returning Partners in Energy community, welcome back! We're excited to build on our energy partnership by collaborating on EV planning. The decision tree below provides some guiding questions to help inform which approach might be best for your community.



WORKING WITH XCEL ENERGY

There are key points in electric vehicle (EV) planning where good communication with your utility is an important step to successful strategy planning and implementation. Not only will this ensure the utility is ready to support you, but it will also help you get the most out of your utility's programs and services. For more information on how Xcel Energy can support your EV transition, please contact:

1. Learn more online:
 - B. Visit ev.xcelenergy.com for information on residential programs and tools residents choose to help in their decision to purchase EVs for personal use.
 - C. Visit the website for information on programs for businesses, including fleet electrification, business, and multifamily programs and incentives.
2. Email: ElectricVehicles@xcelenergy.com
3. Call your Xcel Energy customer service representative:
 - Residential customers: 800-895-4999
 - Small businesses: 800-481-4700
 - Municipalities, institutions, large businesses and other large energy users can contact their account representative. If you don't know who your account manager is, call 800-481-4700 to find out.

Xcel Energy EV Vision

Xcel Energy's EV vision is to power **1.5 million EVs in its communities by 2030**. Through new EV customer programs and charging infrastructure, Xcel Energy will expand its clean energy leadership to transportation - developing innovative partnerships with communities, customers and other stakeholders while saving customers money.

- Customers would save nearly \$1 billion on fuel each year by 2030.
- Customers will be able to charge EVs at home for \$1 or less per gallon equivalent with low off-peak electricity prices.
- EVs will deliver cleaner air and help cut nearly 5 million tons of carbon emissions annually by 2030.
- Xcel Energy is actively working with partners to increase EV access while developing plans that focus on equity and accessibility, allowing everyone to benefit from EVs.

XCEL ENERGY EV OFFERINGS

Residential Outreach and Education

Xcel Energy has a variety of tools, to help educate community members about EVs and residential EV charging, that can be used when planning residential outreach and education events. Resources are available at ev.xcelenergy.com and include:

- 1. EV 101:** Residents can learn about key benefits of driving electric, including cost savings, environmental benefits, convenient charging, and the fun factor; this section also includes FAQs.
- 2. EV Catalog:** This interactive tool allows residents to compare EVs by range, price, or a personalized Match Score. Residents can then view EV details, including total cost compared to a similar gasoline powered vehicle.
- 3. Incentives:** Residents can discover tax credits, rebates, and other incentives specific to their location.
- 4. Qualified Dealers:** This interactive map shows local auto dealerships that are knowledgeable about EVs.
- 5. Charging:** This section includes an interactive map of nearby public charging stations, information about residential EV charging programs, information about different charging levels, and other charging FAQs.

Your Xcel Energy representative can provide support for your tabling events and other residential outreach efforts. This support may include EV program collateral, tabling kits, and interactive learning opportunities.

Income-Qualified and Higher Emissions Communities Rebates

Making EVs and EV charging infrastructure accessible to everyone is important to ensure the benefits of EVs accrue to communities.

- 1. Income-Qualified Organizations (CO):** Xcel Energy offers rebates for eligible income qualified organizations that reduce up-front charging infrastructure costs for community charging hubs, fleets, multifamily properties, workplaces, and small businesses. Rebate amounts are determined by the organization type as well as the level and number of chargers installed. To learn more about these programs visit <https://co.my.xcelenergy.com/s/business/ev/equity>.
- 2. Higher Emissions Communities (HECs) (CO):** A Higher Emissions Community is a community within an area that is disproportionately affected by vehicle emissions related air quality concerns. These communities may also be impacted by income inequality. Xcel Energy offers rebates for eligible organizations in HECs that reduce up-front that reduce up-front charging infrastructure costs for community charging hubs, fleets, multifamily properties, workplaces, and small businesses. Rebate amounts vary based on project application and the type and number of chargers installed. To learn more about these programs visit <https://co.my.xcelenergy.com/s/business/ev/equity>.
- 3. Income-Qualified Electric Vehicle Rebate (CO):** Income-qualified customers can receive \$3,000 off a used or \$5,500 off a new EV when buying or leasing from a Colorado-based car dealer. More details can be found at <https://ev.xcelenergy.com/ev-rebate-co>.

Commercial Charging Infrastructure Planning

Any charging station other than level 1 should be installed by a licensed electrician, and you should work with an Xcel Energy account representative to ensure that your existing electrical service can support the additional load. For typical electrical service requirements for each charger type see [Appendix A: Electric Vehicles 101](#). If a service upgrade is required, your account representative can help you understand the additional costs that may be associated with that upgrade and help you navigate the process. For fleet-specific infrastructure, see [Fleet Transition Planning](#). Resources available to help expand your EV infrastructure can be found at <https://my.xcelenergy.com/s/business/ev/fleet> and include:

1. **Electric Vehicle Supply Infrastructure (EVSI) (CO, MN, WI):** EVSI offers no-cost advisory and turnkey services including design and construction of EVSI, not including the chargers, for various commercial customers.
2. **Multifamily New Construction (CO):** Earn a rebate for every parking spot you enable with EV charging. Xcel Energy will provide up to \$2,000 for EV Ready, EV Capable, or EV Installed ports that are in excess of applicable building code.
3. **Developers Get Started Guide:** This [Get Started Guide](#) will help you better understand who to contact, and when, during EV charging infrastructure planning and installation.
4. **Charger Service (CO, MN, WI):** If your business is ready to add Level 2 charging, Xcel Energy offers you an option to install an Xcel Energy-owned Level 2 charger for a monthly fee. In Colorado, the program is available for public, workplace, fleet, and multifamily charging. In Minnesota, the program is available as a fleet pilot and for multifamily charging. In Wisconsin the program is available for fleet and public charging.

Utility Rate Analysis

It is important to understand what electricity rates are available and would be most advantageous, based on the anticipated vehicle charging patterns. First, you will need to determine if the EV charging station is going to be included in the electricity use of the building where it is installed or if it will be metered separately. This decision will determine what electricity rates are potentially available, which can have significant impact on your EV fuel costs.

1. **EV Critical Peak Pricing (CO):** Critical Peak Pricing uses price signals to encourage customers to reduce electricity load during certain periods. By charging EVs during off-peak periods, customers can save up to 5%-10% on their annual electric bills. Learn more [here](#).
2. **Charging your Electric Vehicle (CO, MN, WI):** Over 80% of EV charging happens at home. Learn more about available charging programs and electric pricing plans [here](#).

Fleet Transition Planning

For vehicle fleet operations, finding innovative ways to manage costs, performance, and reliability is a priority. Fleet electrification is one way that organizations can save money while also reducing greenhouse emissions. Xcel Energy offers advisory services to guide customers through the fleet electrification process. For more information on applicable programs, incentives, or rates, reach out to your account representative or email ElectricVehicles@xcelenergy.com to schedule a meeting with the Xcel Energy EV fleet team. Resources available to help expand EV infrastructure can be found at xcelenergy.com/CommercialEVs and include:

1. **Fleet Electrification Advisory Program (FEAP) (CO, MN, NM, WI):** Xcel Energy's FEAP begins with an analysis that helps determine the best course of action for fleet electrification. Analytics provider, Sawatch Labs, will help fleet operators assess individual vehicles to determine if their needs can be met with an EV. Additionally, participants will receive a charging-site suitability analysis and estimates for the cost of infrastructure installation. Finally, Xcel Energy helps advise on rate plans and pilot programs - to lower costs. For more information, visit <https://my.xcelenergy.com/s/business/ev/fleet>, email ElectricVehicles@xcelenergy.com, or reach out to your account representative to schedule a meeting with the Xcel Energy EV fleet team.
2. **Electric Vehicle Supply Infrastructure (EVSU) (CO, MN, WI):** EVSU offers no-cost advisory and turnkey services including design and construction of EVSU, not including the chargers, for various commercial customers.
3. **Charger Service (CO, MN, WI):** If your business is ready to add Level 2 charging, Xcel Energy offers you an option install an Xcel Energy-owned Level 2 charger for a monthly fee. In Colorado the program is available for public charging, workplace and fleet charging, and multifamily charging. In Minnesota, the program is available as a fleet pilot and multifamily charging. In Wisconsin the program is available for fleet and public charging.

Heavy Duty Fleet Transitions Planning

When considering transitioning heavy duty fleets to EVs, it is very important to include your account representative early in the planning process. Charging large vehicles can generate a significant electrical load, especially if multiple vehicles are charged at the same location. So it is important to understand the service upgrades that may be required to accommodate these chargers. Opportunities may exist for time-of-day charging rates or controls. Xcel Energy's fleet transition also includes their heavy-duty vehicles, so there may be some lessons learned that can apply to your transition. For more information, reach out to your account representative or email the EV team at ElectricVehicles@xcelenergy.com.