



SERVICE GUIDE

COLORADO

**Natural Gas and Electric Installation
Information for Residential Contractors**

REVISED MARCH 2024



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Xcel Energy developed this handbook as a general guideline for residential contractors. Building processes vary by state and not all procedures as stated apply to every region. The information in this guide should not be construed as an exception to standards, regulations and publicly filed tariffs already set forth. It is advised that you consult with your Xcel Energy design representative for complete requirements as they apply to your state. We hope you find this guide helpful and we welcome any suggestions or comments you may have.

Please submit to bclco@xcelenergy.com.

WELCOME DEVELOPERS AND BUILDERS

Xcel Energy has many programs and services designed to help you generate more business. Here are just a few of the advantages of having Xcel Energy as your energy provider.

- **Convenience.** You'll have just one utility contact for construction of your natural gas/electric services if Xcel Energy is the provider of both services in that area.*
- **Joint trenching.** Xcel Energy is committed to installing utilities in a joint trench wherever possible. We will work as the coordinator for joint trench utilities in your new developments, including natural gas, electric, cable TV and telephone.*
- **Installation of electric/gas facilities and distribution.** Xcel Energy reserves the right to determine the placement of our facilities. On large (acreage) lot developments where the home locations can vary significantly, transformer and secondary facility locations cannot be determined until the specific home sites have been determined. The developer will be charged upfront for the costs of any necessary primary, secondary and transformation facilities. Developers may receive a full or partial refund on their initial payment based on the construction allowance and/or credits. Please work with your project designer to determine these upfront charges.**
- It is important that our natural gas and electric facilities are designed to be installed in a safe and accessible location. Your assigned Xcel Energy representative will work with you on a location that meets clearance and installation standards.
- **Utility easements** will be required for company owned facilities. The customer shall provide the Company with a utility easement or it will be a cost to the customer after the fact with no expense to the Company. If, in the Company's sole judgement, the Company needs an easement or easements over property not owned by the customer in order to furnish service to the customer, the customer shall obtain the easement(s) at no expense to the Company. These land rights are needed to support the maintenance and operation of Xcel Energy's facilities and they outline the rights and responsibilities of both Xcel Energy and the landowner in the easement area. Please see the [Site Requirements](#) and section 2.10.1 in the [Xcel Energy Standards of Installation and Use Manual](#) for more information.
- **Dual Main Projects.** In new developments, natural gas mains are often installed on both sides of the street (where city water and sewer are available and lot frontages are under 150'), offering builders the convenience of year-round natural gas availability. This option is not available in some areas.
- **Builder/Developer Advisory Group.** Xcel Energy's Builder Developer Representatives are a support structure for Builders and Developers during the concept/procurement phase of the Installation and Connection process. We act as a regional point of contact bringing forward community, industry and process expertise. Our responsibilities include but are not limited to:
 - Planning and Consultation Support
 - Project Initiation
 - Community Engagement

But the benefits don't stop there! The homeowners who buy homes in your development will appreciate:

- Competitive low-cost natural gas and electricity.
- Convenient payment programs such as Averaged Monthly Payment and Auto Pay.
- The convenience of receiving just one monthly bill in Xcel Energy's natural gas and electric service areas.
- Rebates for installing energy-efficient equipment.
- If interested in solar, contact our Solar*Rewards at SolarProgram@xcelenergy.com.

*Single point of contact and joint trenching provided in some areas. Subject to review on a case-by-case basis.

For all electric installations, developers should follow the installation standards listed in the "Xcel Energy Standard for Electric Installation and Use." You can download this document and "Sign up" to receive notifications to the Xcel Energy Standards for Electric Installation and Use. For electric metering standard questions, contact the Metering Technical Support Line at **800-422-0782.

WHAT YOU'LL NEED TO APPLY

The following information will be required for most [service requests](#).

1. Service Address

The address for the location where the work will be done. The address is provided by the local governing authority and will match the inspection release for your new meter.

There are options for locations without an official address at the time of submission.

Please note: It is important to include all unit numbers that have been determined. If not assigned, note the number of units on the application and submit application(s) for each unit once determined.

2. Billing Address

Where we will send the Xcel Energy bills for both service and construction. This may or may not be the same as the service address.

3. Contact Information

Our contact during the planning and construction phases of the project.

It is important we understand who is responsible for the account once the meter is set as well as the contact for the construction project.

We will use the primary contact's email address provided in the application to send project updates. If you wish to include others in communication, please specify this on the application.

4. Service Details

Electric and/or natural gas service needs. The load specifications for your service (voltage, phase, amps, BTUs, etc.). You can consult your electrician, plumber or HVAC professional for help with answers you don't know.

5. Site Plan

A hand drawn or professionally illustrated site plan or development plat of your construction site showing the locations of buildings, utility lines, driveways/parking lots, landscaping and sometimes elevation. It's usually provided by a builder, architect, engineer or other contractor engaged with the project.

Please submit a site plan or development plat with your application. Visit our [Site Requirements](#) page to obtain equipment clearances and standards of installation.

6. Additional Project Needs

On top of new electric and/or natural gas service, your project may have additional requirements, such as temporary service or outdoor lighting.

Please make sure to request additional services at the time of application. Any additional meters, such as an irrigation meter, may require a separate application.

Learn about additional services offered below.

Please note: Missing information could potentially delay application processing.

Start, Stop, Transfer FAQ

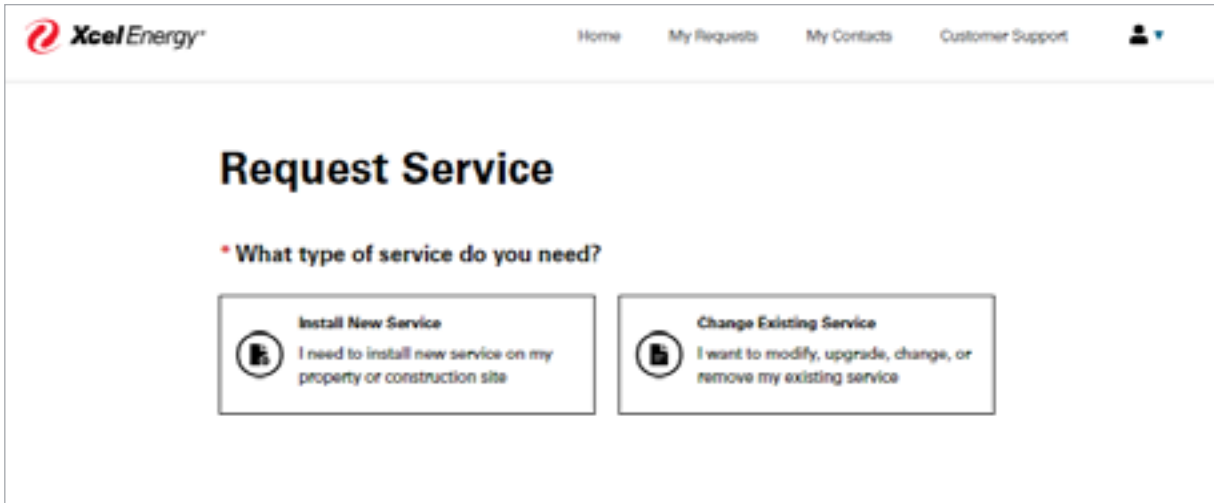
Get answers to your Start, Stop, Transfer service questions.

HOW TO APPLY FOR SERVICE

[Building and Remodeling](#) is our online application tool that offers the quickest and most effective way to apply for new service. Customers who use Building and Remodeling are invited to build an online profile, which makes it easier to create service applications for all services we offer, saving you time.

Building and Remodeling

Use our online portal, Building and Remodeling, to apply for Xcel Energy residential and business service through the Builders Call Line at my.xcelenergy.com/BuildingRemodeling/s/request-overview.



The screenshot shows the Xcel Energy 'Request Service' web form. At the top is the Xcel Energy logo and a navigation bar with links for Home, My Requests, My Contacts, and Customer Support, along with a user profile icon. The main heading is 'Request Service'. Below it is a question: '* What type of service do you need?'. There are two buttons: 'Install New Service' with a house icon and the text 'I need to install new service on my property or construction site', and 'Change Existing Service' with a house icon and the text 'I want to modify, upgrade, change, or remove my existing service'.

By creating an online profile that can easily be called up every time you need to fill out a service application, the Building Remodeling system streamlines the application process and reduces the overall processing.

We are sure you will find this process easier and more efficient.

Questions? Call the Builders Call Line, Monday through Friday, 7 a.m. to 5 p.m. at **800-628-2121** or email: bclco@xcelenergy.com.

HOW TO APPLY FOR SERVICE FORMS

Please make sure to complete the proper application form for your situation and submit your site plans, so we can process your request.

- [Service Application Form - Residential \(PDF\)](#): Use this form if you are renovating or building a residential property.
- [Service Application Form - Multi-family \(PDF\)](#): Use this form if you are renovating or building a commercial development.
- [Service Application Form - Commercial \(PDF\)](#): Use this form if you are renovating or building a commercial development.

Our Building & Remodeling teams are ready to help you with every step of your service request. Our goal is to complete your request as safely, efficiently and transparently as possible.

my.xcelenergy.com/BuildingRemodeling/s/request-overview

The Xcel Energy Standard Electric Installation and Use Manual is located under “Builders/Xcel Energy Standards for Electric Installation and Use.” Please use the manual to ensure you are meeting Xcel Energy’s standards.

Or if mailing - Mail to:

Xcel Energy
Attn: Builders Call Line
PO Box 569
Denver, CO 80202-9998

TIPS TO HELP PREPARE FOR YOUR DESIGN MEETING

Tips to Help Prepare for your Design Meeting:

- Review the [Xcel Energy Standards and Use Manual](#) as well as the [Site Requirements](#), [Site Readiness Checklist](#) and the [Meter Installation](#) sections of our site.
- Confirm your load or service size needs with all trade partners including electricians, plumbers, etc., supporting your project.
- Provide your site plans, one-line diagrams and load information.
- Inform your assigned representative if your project requires temporary service or street lighting design if you have not yet applied for these services.
- Discuss your renewable energy needs, such as solar.
- Discuss any concerns you have regarding landscaping as well as restoration needs.
- Discuss any constraints that may prohibit the placement of natural gas or electric facilities.

Zero Lot Line Builds

Please contact Xcel Energy as soon as possible if your project will be built to property line. While many jurisdictions permit a zero-lot line development, it is still a requirement to leave room for natural gas and/or electric facilities. Please see [Site Requirements](#) and Section 2.10.1 in the [Xcel Energy Standards of Installation and Use Manual](#) for more information. Please discuss with your Xcel Energy representative.

Other Services Offered

- **Outdoor Street Lighting.** If your project requires installation of outdoor lighting, please submit an application and work with your assigned Xcel Energy representative on full requirements, restrictions and potential cost.
- **Temporary Service.** If you need electric or natural gas service for a limited time, either on a construction site or for an event, please see the [Xcel Energy Standard for Electric Installation and Use Manual](#) for more information on installation requirements.
- **Electric Vehicles.** The future of transportation is dramatically changing, and as more electric vehicle options become available, a growing number of customers want to reduce their carbon footprint through the cars they drive. Fueling your car with electricity can reduce emissions to about 1/3 of conventional vehicles*. Reduced maintenance costs saves money on oil changes, tune-ups and parts. Federal tax credits, local vehicle incentives and a growing inventory of used vehicles help make EVs more affordable.
- **Solar*Rewards Program.** You can go green with a bonus. Solar*Rewards is your opportunity to have solar for your home or business. It's an incentivized program, so monthly payments are made to the owner of the solar system in exchange for Renewable Energy Credits (RECs) for the energy produced by the solar system. About 55,000 Xcel Energy customers in Colorado, Minnesota and New Mexico are participating in Solar*Rewards, as of year-end 2022.

TIPS FOR KEEPING YOUR PROJECT ON TRACK

- **Complete your application.** See the [Applying for Service](#) section to find out how and what you need to apply. If your project requires a new meter, it is important that the address on the application matches the address of inspection release. Include your gas and/or electric load needs on the application, so we can size equipment accordingly. You may need to consult with your plumber or electrician to confirm your new load.
- **Provide a Site Plan or Plat of your new project.** Safe and reliable service is our number one priority. To ensure we place our new equipment in the best location, we will need to understand the layout of your project. Make sure to submit a site plan or plat with your application. Visit our [Site Requirements](#) and [Site Readiness Checklist](#) pages to obtain equipment clearances and standards of installation.
- **Submit payment and contracts.** Your project may require a fee for the installation of new equipment. Be sure to submit payment, signed contracts and signed utility easements, if required. That way, we can schedule the construction of your project. Visit [Paying for Construction](#) to see ways you can make a payment.
- **Be “Site Ready.”** To begin installation of gas and/or electric facilities, please have your site ready by reviewing the [Site Readiness Checklist](#). This will ensure our crews can safely install new equipment in a timely manner.
- **Be aware of Weather and Digging Moratoriums.** Mud, ice, frost and snow can all delay construction. Depending on the time of year, your project could encounter winter construction charges or be delayed due to mandated digging moratoriums by cities or counties. You will want to work with your local authority to better understand any potential conflicts. Reference additional [winter construction information](#).
- **Get inspected.** Before we can set your new meter, the public authority must submit an approved inspection to Xcel Energy’s Builders Call Line. Reference [Construction and Inspection](#) to find more information.

DEVELOPER AND BUILDER SITE READINESS CHECKLIST

BE PREPARED FOR YOUR NEW INSTALLATION WITH OUR SITE READINESS CHECKLIST

Getting your project ready for the installation of new services ensures everyone's safety on the site and can help keep your project on track; our crews can't start work until a site meets the [site readiness requirements](#). Use this checklist to make sure your site is ready at the start of installation. If you have any questions about site readiness, please ask your assigned Xcel Energy representative.

- ☐ **Foundation and backfill of structure is complete.**
- ☐ **Major utilities are installed, including sewer and water.** Place water service boxes on the building side of the utility easement to ensure our excavating equipment has proper clearance. If sub-surface drains are to be installed, please install them no less than 48" deep and place the service stub on the building side of the utility easement.
- ☐ **Areas of utility installation are (+/-) six inches of final grade.** To ensure a safe and reliable system, it is important to install our facilities at proper depths and clearances. Please see Customer Responsibility section 2.11 in the [Xcel Energy Standards of Installation and Use Manual](#).
- ☐ **A 10-foot wide path is clear of all obstacles from the meter to the energy source (pole, transformer, pedestal or natural gas service tee). Area must be cleared between the property and right of way.** Please do not landscape, plant trees, install sidewalks and/or paths until the utility installation is completed. Xcel Energy is not responsible for restoring these items if they are in place prior to construction.
- ☐ **Privately owned underground facilities are clearly marked.** Identifying and labeling private lines such as septic systems, drain fields, sprinkler systems, wells, LP gas lines, etc., is very important. Xcel Energy is not responsible for damage to privately owned facilities that are not properly marked by the customer. Xcel Energy will ensure publicly owned facilities are located prior to the start of work. Please see Section 2.11 Customer Responsibility and Section 4.3 Underground service in the [Xcel-Energy-Standard-For-Electric-Installation-and-Use Manual](#).
- ☐ **Lot numbers and lot corners are identified and staked, and the address is clearly marked before locates are called in.** Multi-family developments that do not have a true lot number should stake the corner of the buildings.
- ☐ **When applicable, a curb and first layer of blacktop are installed.** Please check with the local public authority on specification of required road base. In all areas of installation (+/-) six inches of final grade are required prior to installation. Please see Section 2.11 Customer Responsibility and Section 4.3 Underground service in the [Xcel-Energy-Standard-For-Electric-Installation-and-Use Manual](#).
- ☐ **Where applicable, conduit installed under roadways is staked.**
- ☐ **When practical, conduit is a minimum of five feet from back of curb.** Please see the Site Requirements section on xcelenergy.com/InstallandConnect.
- ☐ **Sewer lateral septic location and depth are verified.** If your sewer location is unknown, an Xcel Energy contractor may need access to the sewer piping in the basement to perform verification.

- To reduce relocation delays and costs, an Xcel Energy representative will walk the job site prior to starting work to ensure equipment is placed in agreed-upon locations.
- For safety reasons it may be necessary to restrict access to the area(s) under construction.

DEVELOPER AND BUILDER SITE READINESS CHECKLIST

NEW METER SET REQUIREMENTS

- ☐ **Xcel Energy Inspection Certificate is sent to the Builders Call Line.** Prior to the scheduling of your meter installation, Xcel Energy must receive an approved inspection certificate. Depending on the type of service and state requirements, this may need to be submitted from the local public authority, licensed electrician or Uniform Dwelling (UDC) Inspector where applicable. Please reference the Construction and Inspection section on xcelenergy.com.
- ☐ **Meter location is clearly marked and supports proper clearance requirements.** To prevent delays, make sure you have installed the natural gas fuel line or the electric panel with minimum clearance. Please see [Xcel Energy Standards of Installation and Use Manual](#).
- ☐ **An electric heavy-duty lever bypass (HDLB) meter socket is installed.** Please see section 4.11 Meter Socket in the [Xcel Energy Standards of Installation and Use Manual](#). If you have questions, please call Electric Meter Technical Assistance at **800-422-0782**.
- ☐ **Multi-unit dwellings have accurate labeling on meter sockets and corresponding panels as well as natural gas piping.** Labeling must be completed prior to setting the meter(s). Please see sections 4.14.3, 4.14.4 and 4.14.5 in the [Xcel Energy Standards of Installation and Use Manual](#).
- ☐ **Where applicable, a slip sleeve or expansion joint is furnished and installed.** This is required for new and rewired underground residential meter installations and recommended for commercial installations. Please see Section 4.3.5, and drawing SC-30, SC-40, SC-50, SC-90 and TR-10 in the [Xcel Energy Standards of Installation and Use Manual](#).

STANDARD AND WINTER CONSTRUCTION CHARGES

In most cases, Xcel Energy can install services all year. However, you may avoid winter construction charges by having your site ready for service before frost conditions exist, or you may elect to postpone your installation until a time where no frost conditions are present. The [Winter Construction Charges](#) will be applied when frost conditions exist. Frost Conditions include any of the following

- More than six inches of frost.
- If snow removal or plowing is required to install service.
- If frost is deeper than seven inches the use of a thaw machine(s) may be required.
- Adverse soil conditions exist.

The construction crew foreman will determine whether frost conditions exist prior to installing your service. Where severe winter conditions exist, the customer may choose to take temporary service. The designer will provide you with a cost estimate.

Standard installation is considered an installation of a service lateral only.

Gas service laterals are facilities installed from the gas main to the Xcel Energy designated delivery point of connection to the customer's structures. Electric service laterals are underground or overhead secondary voltage conductors from the transformer or the closest underground pedestal to the Xcel Energy designated customer's electric service entrance equipment. Therefore, installation of any necessary additional cable, transformer and/or other equipment is considered non-standard and must be individually priced. Consideration of these charges should be determined prior to lot pricing. Contract the Builders Call Line to find out which electric designer will provide you with a cost estimate.

STANDARD AND WINTER CONSTRUCTION CHARGES

	Colorado Standard Construction Charges All laterals and distribution are based on an estimate per the Tariffs	Frost Construction Charges** (Effective year-round)
Natural Gas	Standard Service: The Service Lateral Agreement requires the following information: • Address of project, project name • City or county • Division/Region • Load information • Approximate length • Number of meters Construction Allowance (CA) is awarded on all permanent services. Residential and Commercial customers are responsible for Meter Set Costs listed in the Gas Tariff on page R86. Residential Service Lateral Residential service lateral customers shall pay after construction is complete based on actual footages , meter installation cost(s), plus any ancillary costs. • 100' or less cost customer pays \$1,003 (\$1,375 - \$372) • Per foot cost above 100' customer pays \$9.46 Residential Distribution On-Site A CA is awarded upfront on all permanent distribution and customer must pay the non-refundable payment prior to construction. • Per lot cost if lot or the average frontage of all lots is 60' or less customer pays \$1357 per lot (\$1688 - \$331CA) • If over 60' or if mixed use job (commercial and residential) the job will be designed, and the estimated cost will be charged. The CA of \$331 per meter will be awarded. Residential Distribution Off-Site If any On-Site CA remains the remaining CA will be awarded to the Off-Site costs. Commercial On-Site A CA is awarded upfront on all permanent service and distribution. Customer must pay the non-refundable payment prior to construction Commercial Small Gas (CSG) Annual consumption less than 50,000 therms • Service Lateral Portion – \$1,471/meter • Distribution Portion – \$3.60/DTH Commercial Large Gas (CLG) Annual consumption more than 50,000 therms • Service Lateral Portion – \$1,471/meter • Distribution Portion – \$2.77/DTH Commercial Off-Site If any On-Site CA remains, the remaining CA will be awarded to the Off-Site costs.	If customer approves installation during frost conditions through the use of the Frost Agreement they will be charged \$ \$7.00 per linear foot when frost is deeper than six inches. In some divisions it may be necessary to use a ground Thaw Machine during the winter months. The charge is \$450 per day.**

STANDARD AND WINTER CONSTRUCTION CHARGES

	Colorado Standard Construction Charges All laterals and distribution are based on an estimate per the Tariffs	Frost Construction Charges** (Effective year-round)
Electric	Standard Service: The Service Lateral Agreement requires the following information: • Address of project, project name • City or county • Division/Region • Load information • Approximate length • Number of meters Construction Allowance (CA)* is awarded on all permanent services. Residential Service Lateral Residential service lateral customers shall pay after construction is complete based on actual footages plus any ancillary costs. • 100' or less cost customer pays \$367 • Per foot cost above 100' customer pays \$5.87 Residential Distribution On-Site A CA is awarded upfront on all permanent distribution and customer must pay the non-refundable payment prior to construction. • Per lot cost if lot or the average frontage of all lots is 60' or less customer pays \$1441* per lot. • If over 60' or if mixed use job (commercial and residential) the job will be designed and the estimated cost will be charged. The CA of \$1070* per meter will be awarded. • If customer has service are of RD, RD-TDR CA is \$260/kW. Residential Distribution Off-Site A credit of 35% will be given to any Off-Site distribution* *If any On-Site CA remains the remaining CA will be awarded to the Off-Site costs before the credit will be given. Commercial and Industrial On-Site A CA is awarded upfront on all permanent service and distribution. Customer must pay the non-refundable payment prior to construction. C and NM • Service Lateral Portion – \$270/meter • Distribution Portion – \$1,380/meter SG, SGL, etc. • Service Lateral Portion – \$1,430/meter • Distribution Portion – \$350/kW PG, PST etc. • Service Lateral Portion – \$0.00 • Distribution Portion – \$220/kW Commercial Off-Site A credit of 35% will be given to any Off-Site distribution* *If any On-Site CA remains, the remaining CA will be awarded to the Off-Site costs before the credit will be given.	If customer approves installation during frost conditions through the use of the Frost Agreement they will be charged \$3.51 per linear foot when frost is deeper than six inches. In some divisions it may be necessary to use a ground Thaw Machine during the winter months. The charge is \$450 per day.

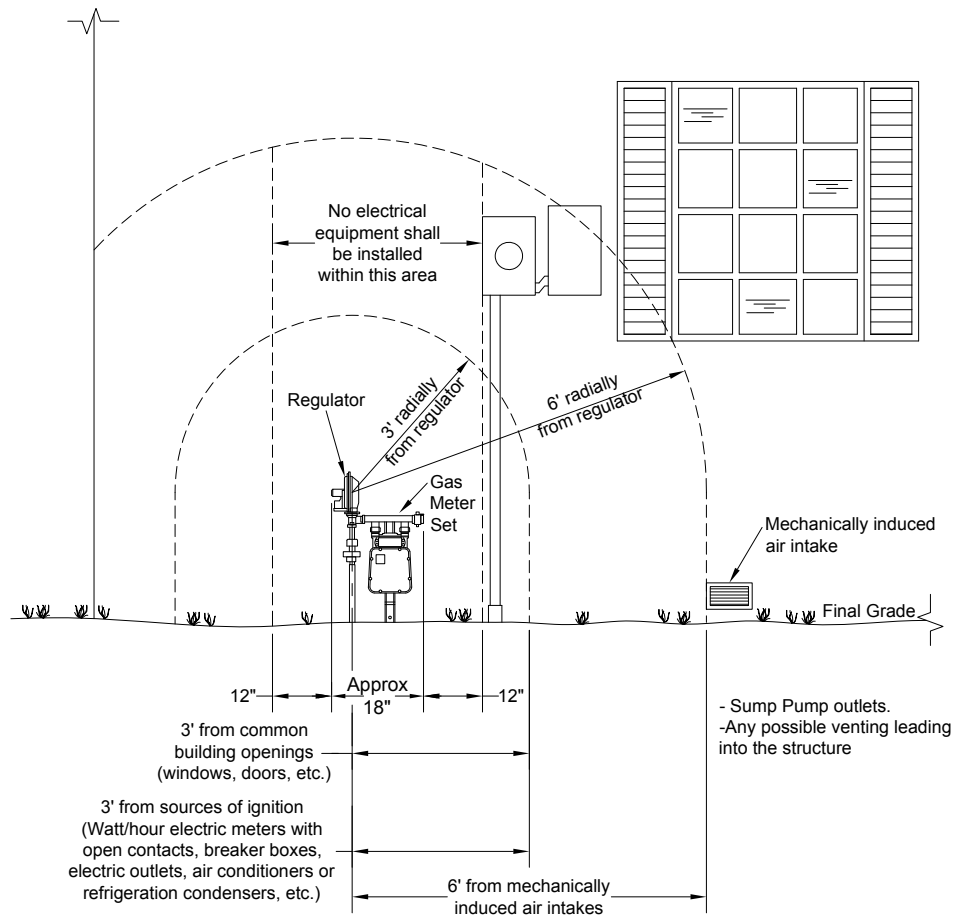
SERVICE INSTALL REQUIREMENTS

Natural Gas and Electric Residential Service

Natural gas meters and regulators should be at least three feet (measured radially) from any source of ignition, such as electric switches and air-conditioning units. You must also maintain the three-foot distance from doors, windows, vents and air intakes (six feet from a mechanically induced air intake), outside water spigots and garage doors. In areas where city water is not available, the natural gas service line must be a minimum of 15 feet from a water well. Xcel Energy sets meters about six inches above final grade to allow slight changes in grade and landscaping around the meter without interfering with meter mechanisms. Note: Meters cannot be set under a deck or steps. The electric meter must be installed according to all electrical codes and applicable regulations. For joint trenching, both the natural gas and electric meter are preferred to be on the same side of the house.

DRAWING CR-10

CLEARANCE REQUIREMENTS FROM GAS METER



NOTES:

1. Three-foot minimum working clearance from non-electrical obstructions is preferred around gas meter set.
2. Disregard clearances when measuring around corners of structure.
3. See [Sections 4.2.1\(4\), 4.3.1\(3\)](#), and drawings [SC-20, SC-20A](#) and [SC-20B](#) for ice and snow shield requirements.
4. Plastic gas services and electric services can be installed in the same joint trench; steel gas services are prohibited from joint trench installation with electric services. Also, gas and electric services shall have a minimum of 12" spacing, whether they are in the same trench or not

	Issued	Replaces	Drawn by	Approved	File	STANDARD FOR ELECTRIC INSTALLATION AND USE
	Oct-21	Jan-19	DCP		-7.1	PAGE -7.1

ELECTRIC INSPECTION REQUIREMENTS

Some communities require a proof of compliance in which we can accept the blue copy of the “Certificate for Connection by Utility” only from licensed electrical contractors. Electrical work completed by a homeowner or a non-licensed person must have an inspection completed by the city/state inspector for that area, in which case we require an email from the inspector. There also are areas in which Xcel Energy can receive a phone call from the inspector.

For the most up to date information on electrical inspectors for your area:

- Local inspectors: Contact The City Inspection authority
- State inspectors: Call **303-894-2300**
- For an updated list of inspectors by community or county, please reach out to your City/Municipality

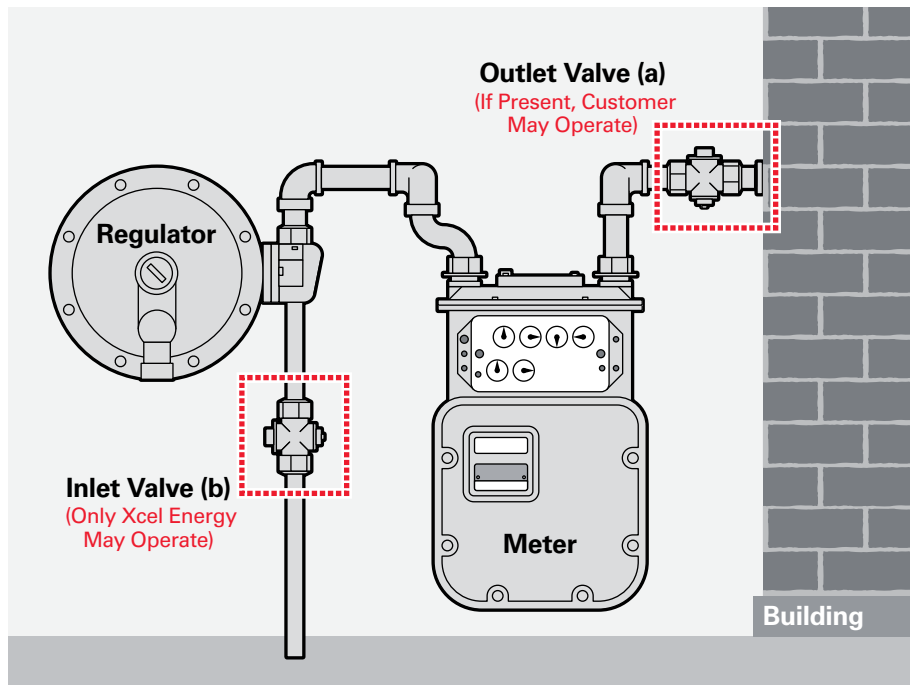
NATURAL GAS INSPECTION REQUIREMENTS

To learn about inspection requirements for your area, call your local gas inspector in your local municipality or county.

The meter may be set if an approved city or county inspection has been received. Procedures on how inspections are submitted vary. Some cities and counties fax in the information or email it into the appropriate personnel at Xcel Energy. A few counties leave the inspection tag at the meter site. Please contact the Builders Call Line at **800-628-2121** to confirm an inspection has been completed. Oftentimes, gas piping is installed in conjunction with the underground service lateral. Once the service installation is complete and the house side gas plumbing is inspected and tagged, your contractor will break the seal and turn on the service.

Natural gas meter unlock process

- Verify that you have met the appropriate inspection requirement for your area.
- On new residential natural gas meters, Xcel Energy may install an outlet valve (a). The outlet valve may include a tag with contact information and list other requirements.
- For all gas meters, only Xcel Energy may unlock or operate the inlet valve (b). Contact Xcel Energy to unlock, open or close the gas meter inlet valve (b).
- When available, authorized plumbers, heating contractors or gas inspectors may operate the gas meter outlet valve (a), **only after meeting the appropriate installation and inspection requirements.**



If you are not authorized or require the inlet valve (b) to be unlocked, opened, or closed, please call the Builders Call Line at **800-628-2121**.

OUTDOOR LIGHTING

Submit your application for your new development.

Municipal installations go to the following: [xcelenergy.com/Partner-resources/Municipalities/Outdoor-lighting](https://www.xcelenergy.com/Partner-resources/Municipalities/Outdoor-lighting)

Upon receiving your completed application form, an Xcel Energy design representative will contact you to review your project. The design representative will identify your gas, electric and outdoor lighting opportunities as well as costs and contractual requirements.

For questions or concerns regarding Outdoor Lighting email ODLighting@xcelenergy.com or call 800-960-6235 Monday through Friday from 7:30 a.m. to 4 p.m. central time (except holidays).

Xcel Energy Outdoor Lighting has a full-service package with complete project management to help you create an environment that is secure and aesthetically pleasing to attract new residents to your projects. Here are just a few reasons for choosing our program to meet all your outdoor lighting needs.

Experts:

Provide a full-service turnkey package that includes:

- Design
- Coordination with utilities, roadwork or other projects
- Complete as-built construction sketch of finished project

Joint trench or independent projects have a variety of installation options and equipment choices and are tailored to your needs.

Quality products are installed by experienced crews to ensure a reliable system, from poles to fixtures to the electrical infrastructure.

Professional crews follow all local ordinances and electrical codes, performing in an efficient manner using the highest standards and safest practices.

LED street lighting is now available. Please check with your Xcel Energy representative if you are interested.

In order to ensure efficient service, it is very important we collect information from you regarding your street lighting request. Please include the following on the Builders Call Line application:

1. What is the basic scope of the lighting request (e.g., installing new lighting, removing existing lighting, relocating existing lighting)?
2. Please provide the total number of lights you are:
 - a. Installing
 - b. Removing
 - c. Relocating
3. If installing new lighting, what type of pole and fixture are you requesting? If you are unsure of our current standard offering, please request this information in your reply.
4. What wattage will the lights be?
5. What rate will the lights be on? If you are unsure of the available options, please request more information in your reply.
6. Who will be paying the monthly rate for these lights? If this is an existing customer, please provide the account number. If new, please notify us in your reply so we can create a new account.

Apply for streetlights:

You can apply for street lighting on the application or contact the Builders Call Line at **800-628-2121**. If you have an existing distribution project in the design process, contact your design representative.

OUTDOOR LIGHTING

Your outdoor lighting options:

Option 1: (Xcel Energy Owned and Maintained)

Xcel Energy installed, owned and maintained outdoor lighting. Xcel Energy crews will work with you on the installation and once completed will bill either the city or homeowner's association for energy and maintenance.

- Outdoor street lighting. We'll work with you from the start to plan, coordinate and install street lighting in your development. Please contact your Xcel Energy designer for specific design requirements.
- If you choose to have Xcel Energy install your street lighting, your design representative will work with you on street lighting locations and order materials. They will also work with you to determine your site ready date and coordinate the installation of your outdoor lighting in conjunction with the joint trench installation of utilities (gas, electric, cable & telephone) in the boulevard.

Note: Many cities maintain standard lighting requirements on public roadways. It is your responsibility to refer to your city developer's agreement or contact the city to confirm their outdoor lighting requirements.

Option 2: (Customer Owned and Installed)

Vendor-installed/customer-owned with no maintenance program—metered.

Xcel Energy no longer offers partial maintenance of customer-owned and installed streetlights, including streetlight above traffic signals. All new customer-owned and maintained street lighting systems, must be metered and have a customer-installed disconnect cabinet.

During the design phase an Xcel Energy designer will work with the vendor to get the locations of the transformers and to identify metered feed point locations. Once construction is completed and the Builders Call Line has received the inspection affidavit, an electric meter will be set.

Note: Many cities maintain standard lighting requirements on public roadways. It is your responsibility to refer to your city developer's agreement or contact the city to confirm their outdoor lighting requirements.

RESIDENTIAL ELECTRIC VEHICLE

GET PLUGGED IN

More than a new way to drive, a better way to drive

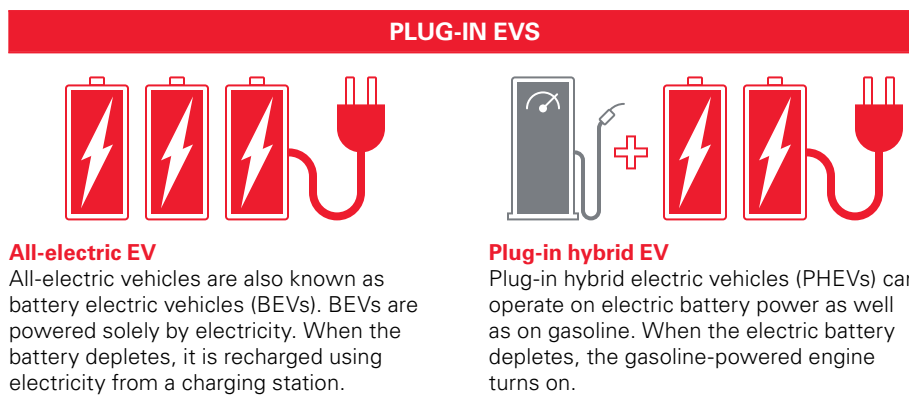
With the growth of clean energy, the future of sustainable living is becoming a reality in your home, at businesses and now on the road. Fueling your car with electricity can be a fresh approach to driving, and Xcel Energy supports your electric vehicle (EV) goals by offering low-cost pricing and renewable energy options. You're in the driver's seat, and we want to empower you with the information you need to drive electric.

There's an EV that's right for you

To make it easier to find the EV option that's best for you, visit ev.xcelenergy.com to start exploring EV options, calculating carbon emissions reductions and fuel cost savings and learn how easy it is to charge an EV.

Get to know EV types

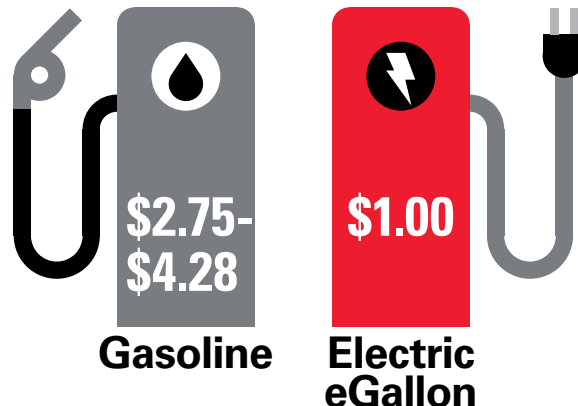
When shopping for an EV, there are two main categories of plug-in electric vehicles to consider: plug-in hybrid electric vehicles (PHEVs) or all-electric vehicles, also known as battery electric vehicles (BEVs).



Top three reasons to drive electric

1. Cost savings that add up

- With our low, off-peak prices, driving electric equates to spending less than \$1 per gallon of gasoline.
- Federal tax credits and local vehicle incentives help make EVs more affordable.
- Reduced maintenance costs with EVs saves you money on oil changes, tune-ups and other standard maintenance.



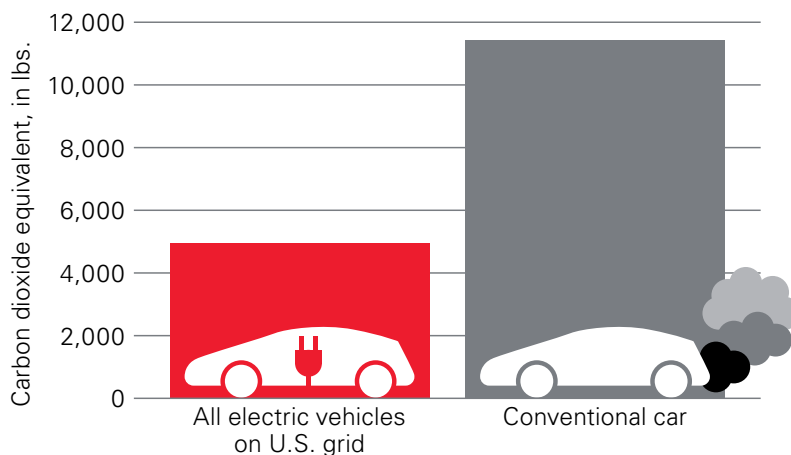
2. Your options keep growing

- With manufacturers making more EV models and more used EVs becoming available, you have a wider selection which helps create more competitive pricing.
- While 80% of charging happens at home, public charging options are increasing in retail locations, town centers and freeway corridors.
- EV drivers will tell you EVs are smooth shifting, quiet and offer an invigorating driving experience.

RESIDENTIAL ELECTRIC VEHICLE

3. A clean break for our environment

- Fueling your car with electricity can reduce emissions to about one-third of gas-powered vehicles.*
- When you enroll in one of Xcel Energy's renewable energy programs, you can drive with up to 100% renewable energy.



National averages as reported at www.afdc.energy.gov/afdc/vehicles/electric_emissions.php

Getting charged up

You can charge at home and on the go. Plugging in to fuel your EV is as simple as it sounds. We can help you get set to ensure you're ready to fuel at home or on the road.

For charging at home, Level 1 and 2 chargers are common household options that offer various charging speeds to accommodate your lifestyle and vehicle type. Level 3 fast charging stations are typically used for public charging, which are commonly accessible near retail or city center locations.

Interested in a convenient, low-cost level 2 home charging option? Learn more about [EV Accelerate At Home](#).

Level 1 Charger – Basic home charging

- Included with EV purchase at no extra cost.
- 120-volt cord plugs into a standard wall outlet, dedicated circuit recommended.
- Can provide around four to six miles of range for every hour charging.
- If you drive 50 miles a day or less in a typical day, charging overnight with a Level 1 charger is a great option.

Level 2 Charger – faster, more convenient home charging

- Purchased separately from most EVs, best-selling models cost \$500 to \$800.
- Requires dedicated 208/240-volt service.
- An electrician is required to set up electrical wiring for a new outlet or breaker — and service panel upgrade if necessary.
- Can provide 25 to 40 miles of range for every hour of charging.
- If you commute more than 50 miles a day, or need the flexibility to charge up at home quickly, you may want to make an investment in a Level 2 charger.

Level 3 DC Fast Charger – quick charging away from home

- Typically used for public charging.
- Not for plug-in hybrids or certain battery-electric vehicles.
- Typically requires 480-volt service.
- Can provide up to 40 miles of range for every 10 minutes of charging.

EV charging plans to suit your lifestyle

When you become an EV driver, you may pay more attention to electric prices — and your energy usage — to get that extra savings over gasoline. Choose from the electric pricing plans we have available or join one of our electric vehicle programs.

To choose the best plan for you, visit ev.xcelenergy.com/ev-charging-programs.

Fuel up with clean energy

Currently, more than a quarter of the energy you use comes from renewable sources. If you're interested in 100% carbon-free driving, an easy way to feel good about reducing emissions is to fuel up with renewable energy.

Visit xcelenergy.com/Renewables find renewable energy programs in your area.

We're here to help

Our EV advisors can answer questions and guide you to the right pricing plan and charger installation options. If you would like to speak to us about pricing or installation, email us at ElectricVehicles@xcelenergy.com or call **800-895-4999**.

For more details and useful information, visit ev.xcelenergy.com.

COMMERCIAL ELECTRIC VEHICLE

Xcel Energy's transportation vision drives toward providing the infrastructure and energy to run all vehicles in its service area on carbon-free electricity or other clean energy by 2050. An interim goal to support this vision is to enable one out of five vehicles to be electric in the areas we serve by 2030.

This vision to power 1.5 million EVs on the road in the company's service areas by 2030. Xcel Energy's EV vision aligns with Colorado's goal of 940,000 light-duty electric vehicles on the roads by 2030, enabling the growth of EV charging infrastructure systems for fleets, public and private charging.

Xcel Energy commercial and community customers will have an EV concierge guide them on the journey of electrification while taking advantage of EV infrastructure and Xcel Energy-provided charging equipment. Businesses, governments and organizations serving higher emissions or income-qualified communities can also benefit from additional charging equipment rebates.



EV Programs for Commercial and Community Customers

Fleet EV solutions support businesses, organizations, communities and governments with building transportation electrification plans, using their own fleet operation data and business goals. For eligible customers, Xcel Energy provides a free suitability assessment, data analysis and advisory services as the first step to electrification, saving customers significant amounts of time and money.

Possible next steps include design and construction of infrastructure (from traditional distribution services up to the charging equipment), various rate plans and options for Xcel Energy-provided charging equipment. For eligible income-qualified customers or EV projects in higher emissions communities, charging equipment rebates are an option and include up to \$2,200 for each eligible Level 2 charging port and up to \$45,000 for each eligible direct current fast charging (DCFC) port.

Workplace EV solutions enable businesses and organizations looking to install EV charging for employee or customer use with the EV infrastructure needed for four or more charging ports. Qualifying customers receive no- to low-cost design and construction of infrastructure—typically from the customer's meter to the charging port—plus, comprehensive advisory services, and the option to pay a monthly fee for Xcel Energy-provided charging equipment. As with fleet EV solutions, eligible income qualified customers or EV projects in an higher emissions community can qualify for charging equipment rebates including up to \$2,200 for each eligible Level 2 charging port and up to \$45,000 for each eligible direct current fast charging (DCFC) port.

Public or community charging hub EV solutions help expand Level 2 and fast charging options for EV drivers away from home. Businesses, municipalities and community-focused organizations can receive no- to low-cost design and construction of infrastructure—typically from the customer's meter to the charging port—and comprehensive advisory services. Community hub customers that meet income-qualified criteria or are located within a higher emissions community project can earn up to \$8,800 for four (4) Level 2 charging stations, or, up to \$40,000 for configurations with four (4) Level 2 Chargers and a DC Fast Charging (DCFC) station.

Multifamily EV solutions provide EV infrastructure and charging options for existing and new construction multifamily buildings. Services include design and construction of infrastructure, advisory services and the option to pay a monthly fee for Xcel Energy-provided charging equipment.

Multifamily housing site hosts.

Our multifamily new construction EV rebate program is available to qualifying developers who construct new multifamily housing buildings. Market rate buildings can earn \$2,000 per port to help pay the cost of infrastructure components. Qualifying affordable housing or higher emissions community-located buildings can earn \$8,500 per port to cover charging equipment cost.

Small Business EV Solutions:

Businesses that want to install charging infrastructure at their premises and meet electric usage and port requirements can earn a small business rebate of up to \$2,500 per port with a maximum of three ports to offset costs to install EV infrastructure and wiring. Businesses that meet income qualifications or located within a higher emissions community can earn additional rebate for EV supply infrastructure and charging equipment installation costs of up to \$2,000 per port.

More information about services, rebate amounts and qualifications are available at <https://co.my.xcelenergy.com/s/business/ev>.

SOLAR PROGRAM

Am I eligible to participate in the Solar Program?

Please review the [Solar Program | Xcel Energy](#) webpage in order to determine your eligibility. Mobile homes are not eligible to participate in the Solar Program. However, mobile homes may be eligible to participate in our non-incentivized DG solar program provided they have permanent services and the system is ground mounted. Roof top mounted systems are not permitted on mobile homes.

Solar Application Process

An application designed with you in mind.

Welcome to your renewable future. The process is easy. Your solar application is done all online with step-by-step instructions that you or your solar installer manage from start to finish.

How to Get Started

Like all other online portals, you will need to register by creating a username and password to login. The person handling the application should be the one to register. Once logged in, the application process begins.

Start your application in the [Solar Application Portal](#).

What You Need to Apply

Below is the information we look for during the application process. You have one year to complete your application, but most applications take three to six months to complete.

- **Application Information** – state, program type, customer account number and customer premise number
- **Site Details** – site address and specifying new construction, existing solar system or electric vehicle, proof of site control
- **Customer Contact Information** – name, address, phone number and email
- **For Income Qualified/Disproportionately Impacted Communities**, please visit <https://co.my.xcelenergy.com/s/renewable/developers/on-site-solar> (under “Programs”)
- **Installer Information** – company, contact name, address and email
- **Application Fee** – Engineering Process Fee
- **Engineering Review Documents** – site plan, one-line drawing and equipment specification sheets. There may be additional documents needed depending on your system (e.g. energy storage attestation forms, Exhibit B, etc.).

Already Applied?

You’re almost there. If you or your installer already submitted an application, there are still steps that need to be taken to complete your solar application. These items are also completed in the [Application Portal](#).

- **Step 1 of 4: Engineering Review**
 - Completeness Review: Our engineers review the submitted system site plan and line diagram for completeness within 10 business days. If the engineers find issues with your application, you have 5-10 business days to revise and re-submit for review depending on your application track.
 - Initial Review: Once your application is deemed complete, your application will undergo Initial Review screens (10-15 business days). If your system passes the Initial Review screens, your system is approved for installation.
 - Supplemental Review: If the system requires further review, based on local grid infrastructure conditions, it will move to the Supplemental Review (30 business days) to perform further screens to assess the system. The Supplemental Review requires an additional \$200 fee.
- **Step 2 of 4: Interconnection Agreement and System Installation**
 - Once your system is approved by our engineers, the customer will be asked to e-sign our interconnection agreement(s).
 - At this time, your solar system will be installed by your installer.
- **Step 3 of 4: Final Documentation**
 - Proof of insurance (if required), and final electrical inspection (for Simplified Track applications, this is also called the Certificate of Completion) are uploaded to the application. You or your installer will also need to complete the final installation details.
 - These steps need to be completed and verified by the program team before solar meters can be ordered.

SOLAR PROGRAM

- **Step 4 of 4: Meter Installation**

- For Simplified Track applications, your meter(s) will be installed within 10 business days of submitting your Certificate of Completion and initiating your meter order.
- For Fast Track applications your meter(s) will be installed within 20 business days of initiating your meter order.
- Once the meters are installed, and a successful witness test (if required) has been performed, we will give you permission to operate your solar system.

- **For additional information:**

- See [Interconnection Portal \(force.com\)](#)
- Email us at SolarRewardsCommCO@xcelenergy.com if you have any questions about a current or new application. We'll answer your questions and help guide you through the process. You'll be going solar in no time.

SOLAR*REWARDS COMMUNITY

Solar*Rewards Community is the nation's largest* community solar program! As a part of the program, Xcel Energy electric customers have the opportunity to subscribe directly to a third-party owned community solar garden located in their current CO service territory. Once subscribed to an active garden, customers will begin receiving bill credits on their monthly Xcel Energy bill equivalent to the solar energy that their subscription contributes to the Xcel Energy grid. Interested in participating? Learn how to become a subscriber at [Solar*Rewards Community | Renewable Energy](#).

Are you a solar developer or installer?

Access Solar*Rewards Community developer resources at [Community Solar | Renewable Developer Resources](#).

Have questions?

The email address for the Solar Program is SolarRewardsCommCO@xcelenergy.com.

COLORADO COMMUNITIES SERVED BY XCEL ENERGY

Alamosa	E	Conejos	EG	Greenwood Vlg	EG	Mead	G	Sanford	EG
Alma	E	Conifer	G	Guadalupe	EG	Merino	EG	San Francisco	E
Antonito	EG	Cornish	E	Hideaway Pk	G	Milliken	EG	San Luis	E
Arvada	EG	Crisman	EG	Hillrose	E	Moffat	E	San Pablo	E
Aspen Park	G	DeBeque	EG	Hooper	E	Mogote	E	San Pedro	E
Atwood	EG	Del Norte	EG	Horca	E	Monarch	E	Sanford	EG
Ault	E	Denver	EG	Hot Sulphur Sprg	G	Monte Vista	EG	Sargent	EG
Aurora	EG	Dillon	EG	Hygiene	G	Montezuma	E	Sedalia	G
Avon	G	Downieville	EG	Idaho Springs	EG	Morrison	EG	Severance	EG
Avondale	G	Dumont	EG	Idledale	EG	Mosca	E	Sheridan	EG
Barnesville	E	Eastlake	EG	Indian Hills	EG	Mountain View	EG	Silt	EG
Battlement Mesa	EG	Eaton	E	Jamestown	E	Mt Vernon	G	Silver Plume	E
Beaver Creek	G	Edgewater	EG	Johnstown	EG	Nederland	EG	Silverthorne	EG
Bellvue	EG	Eldora	E	Kelim	EG	New Castle	EG	Smeltertown	E
Bergen Park	EG	Eldora Springs	E	Kersey	E	Niwot	EG	Snyder	E
Berthoud	EG	Empire	EG	Keystone	G	North Avondale	G	Springdale	E
Berthoud Falls	E	Englewood	EG	Kittridge	EG	Northglenn	EG	Sprucedale	E
Black Hawk	EG	Erie	EG	Kremmling	G	Nunn	E	Sterling	EG
Blanca	E	Estes Park	G	Kuner	E	Orchard Mesa	EG	Stoneham	E
Blue River	E	Evans	E	Lafayette	EG	Ortiz	E	Stringtown	E
Bonanza City	E	Evergreen	EG	La Jara	EG	Paisaje	E	Sugarloaf	E
Boone	G	Fairplay	E	La Porte	EG	Palisade	EG	Summitville	EG
Boulder	EG	Farmers Spur	E	La Salle	E	Parachute	EG	Sunshine	E
Bountiful	E	Federal Heights	EG	La Valley	E	Parker	G	Superior	EG
Bow Mar	EG	Foxfield	E	Lakeside	EG	Parshall	G	Tabernash	G
Bracewell	E	Fraser	G	Lakewood	EG	Peaceful Valley	E	Thornton	EG
Breckenridge	EG	Frisco	EG	Las Mesitas	E	Peckham	E	Timnath	EG
Briggsdale	E	Fruita	EG	Lawson	EG	Peetz	E	Tiny Town	G
Brighton	G	Fruitvale	EG	Leadville	EG	Pierce	E	Vail	G
Broomfield	EG	Ft Collins	EG	Leyden	E	Platoro	E	Valmont	E
Brush	EG	Ft Garland	E	Littleton	EG	Platteville	E	Vineland	G
Campion	EG	Ft. Lupton	G	Lobatos	E	Poncha Springs	E	Wah Keeney Pk	EG
Canfield	EG	Ft. Morgan	EG	Lochbuie	G	Pueblo	G	Wallstreet	E
Canon	E	Galeton	E	Log Lane Vlg	EG	Purcell	E	Ward	E
Canyon Creek	E	Garden City	E	Lone Tree	EG	Raymer	E	Watkins	E
Capulin	G	Garfield	E	Longmont	EG	Raymond	E	Weldona	EG
Carbondale	E	Georgetown	EG	Lookout Mtn	E	Red Cliff	EG	Wellington	E
Castle Pines	EG	Gilcrest	E	Louisville	G	Redlands	E	Westminster	EG
Centennial	EG	Gill	E	Louviers	G	Richfield	EG	West Vail	G
Center	E	Gilman	E	Loveland	EG	Rifle	EG	Wheat Ridge	EG
Central City	EG	Glendale	EG	Lucerne	E	Riverside	E	Wiggins	G
Chama	E	Glenwood Springs	E	Lyons	EG	Romeo	EG	Willard	E
Cherry Hills Vlg	EG	Gold Hill	E	Magnolia	E	Rulison	E	Windsor	EG
Clifton	EG	Golden	EG	Malta	E	Russell Gulch	EG	Winter Park	EG
Climax	EG	Granby	G	Manassa	EG	Saguache	EG		
Cody Park	EG	Grand Lake	G	Marshall	E	Salida	E		
Columbine Vly	EG	Grand Jct	EG	Marshdale	E	Salina	E		
Commerce City	EG	Greeley	E	Maysville	E	San Antonio	E		

Communities Served: xcelenergy.com

KEY: E = Electric; G = Gas; U = Unincorporated; * = Wholesale

NOTE: In some cases, Xcel Energy does not serve the entire community.

