



XCEL ENERGY

# 2016 Service Guide

Colorado

Natural Gas and Electric Installation Information  
for Residential Contractors

# CONTENTS

## DEVELOPERS

<b>Welcome, Developers</b> .....	2
<b>Developers’ Process for Natural Gas and Electricity Service</b> .....	3
<b>Site Readiness Checklist</b> .....	4
<b>Outdoor Lighting</b> .....	5
<b>New Plat Submittal Form—New Residential Development</b> .....	14

## BUILDERS

<b>Welcome, Builders</b> .....	6
<b>Builders’ Process for Natural Gas and Electricity Service</b> .....	7
<b>Requirements for Site Readiness</b> .....	8
<b>Tips for Keeping Your Project on Track</b> .....	9
<b>FastApp</b> .....	11
<b>Application for Gas and Electricity Services</b> .....	12
<b>New Plat Submittal Form</b> .....	14
<b>Standard and Winter Construction Charges</b> .....	15
<b>Service Installation Requirements</b> .....	17
<b>Electricity Inspection Requirements</b> .....	18
<b>Natural Gas Inspection Requirements</b> .....	18
<b>Communities Served by Xcel Energy</b> .....	19

Xcel Energy has 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 jurisdiction. We hope you find this guide helpful and we welcome any suggestions or comments you may have.

Please submit to: [EMStandExceptionReg@xcelenergy.com](mailto:EMStandExceptionReg@xcelenergy.com)

## WELCOME, DEVELOPERS

*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. It's a good business decision you'll appreciate for years to come.*

- **Convenience.** You'll have one contact for natural gas and electricity service and construction.\*
- **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, electricity, cable TV and telephone.\*
- **Installation of electric facilities.** We reserve the right to install these facilities in a permanent location. In 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. Because of this, Xcel Energy can only install the electric primary cable (backbone system) during the initial installation. Individual transformer and secondary facilities will be installed as home locations are determined. The developer will be charged up front for the costs of this backbone system installation. When home locations are determined, and transformers and secondary facilities are installed, developers may be awarded Construction Allowance on permanent installations or refunds up to the Construction Cost. Please work with your project designer to determine these upfront charges. If additional system is required beyond the backbone, additional charges may apply to the builder and the developer.

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 Standard for Electric Installation and Use" by going to the following link: [xcelenergy.com/Partners/Builders/Installation\\_Support/Installation\\_Standards](http://xcelenergy.com/Partners/Builders/Installation_Support/Installation_Standards). For electricity metering standard questions, contact the Metering Technical Support Line at **1-800-422-0782**.

- **Double-mained projects.** In new developments, natural gas mains are installed on both sides of the street (dependent on average lot frontage), offering builders the convenience of year-round availability at the site.
- **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.

**But there are many additional benefits to working with Xcel Energy.** The homeowners who buy homes in your development will appreciate being able to take advantage of:

- 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 electricity service areas.
- Rebates for installing energy-efficient equipment.
- If interested in solar, contact our Solar\*Rewards® at [SolarProgram@xcelenergy.com](mailto:SolarProgram@xcelenergy.com).

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

## FOR NATURAL GAS AND ELECTRICITY SERVICE

To apply online, go to:

**<https://xcelenergy.com/force.com>**

By mailing:

- A completed development application (page 14);
- Send application only. Forward plats to assigned designer.

Local office address only:

Xcel Energy  
Attn: Builders Call Line  
5460 W. 60th Avenue  
Arvada, CO 80003

[BCLCO@xcelenergy.com](mailto:BCLCO@xcelenergy.com)

Hours: 7 a.m. – 4 p.m. Mountain Time

*Please note: Your Xcel Energy designer will let you know if agreements or contracts must be processed prior to installation.*

## FOR NATURAL GAS AND ELECTRICITY SERVICE

the **BUILDERS CALL LINE** is open Monday through Friday.

Phone: **1-800-628-2121**    Email: **[BCLCO@xcelenergy.com](mailto:BCLCO@xcelenergy.com)**    Fax: **1-800-628-2521**

Website: **[xcelenergy.com/Partners/Builders/Service\\_Activation](https://xcelenergy.com/Partners/Builders/Service_Activation)**

## SITE READINESS CHECKLIST

### XCEL ENERGY RESIDENTIAL DEVELOPMENT SITE READINESS CHECKLIST:

Before we install service in your development, please make sure the following items are complete:

- Upon receiving the Xcel Energy utility design, please verify that utility locations do not conflict with driveways, sidewalks, garages, fire hydrants, etc. If you have any questions or concerns, please call your Xcel Energy design representative.
- Major utilities installed, including sewer and water.
- Site is within six inches of final grade in installation area and cable routes.
- Block numbers and lot corners are identified and staked.
- In some areas, if required by the city, curbs should be installed and the first layer of blacktop laid down. If curbing is not required, the point of termination must be backfilled properly and to grade, with a layer of Class 5 as a road base.
- Area cleared between street and property line.
- No topsoil or straw placed on area. Xcel Energy is not responsible for restoring topsoil, seed, straw or sod, if it is placed prior to our installation.
- On multi-unit dwellings (duplexes, four-plexes, etc.) transformers, pedestals and streetlights are surveyed and staked. Xcel Energy requires accurate labeling on meter sockets and corresponding panels and customer gas piping prior to installation of the meters. (Refer to the Multiple Dwelling Unit Identification form on page 12)
- Please notify your builders when we are coming so they can clear the pathways for joint trench utilities.

If you have any questions, please call the Builders Call Line at **1-800-628-2121** for further assistance.

*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 on page 14 (under the Project Information section) or contact the Builders Call Line at **1-800-628-2121**. If you have an existing distribution project in the design process, contact your design representative.

## WELCOME, 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 one initial contact for natural gas and electricity service and construction.\*
- Joint trenching. Xcel Energy is committed to installing natural gas and electricity services along with cable TV and telephone in a joint trench wherever possible.\*
- Double-mained projects are available in most of our service area. In new developments with lots of one acre or smaller, Xcel Energy has natural gas mains on both sides of the street so natural gas is available to your site all year round.

**But there are many additional benefits to working with Xcel Energy.** Customers who buy your homes will appreciate being able to take advantage of:

- 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, is available at [xcelenergy/energy\\_solution](http://xcelenergy/energy_solution).

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



### FOR NATURAL GAS AND ELECTRICITY SERVICE

**STEP 1** Apply for gas and electric services using the application provided on pages 12–13. Fax, mail or email your completed service application to Xcel Energy’s Builders Call Line. Refer to the bottom of this page for fax, email and phone number. Please contact us before you dig the foundation.

**STEP 2** You will receive electronic or written confirmation of your application being received. The letter will include the builder site readiness requirements. Please share this information with your electrician and/or heating contractor. The site plan must be submitted prior to Xcel Energy designing the service.

**STEP 3** Most inspection releases are emailed or faxed in by the city, community or county inspector to the inspection desk. (Not all entities provide inspection releases to our inspection desk.)

**STEP 4** To make your installation easier, please provide Xcel Energy with a clear service path until your service installation is complete. Site is within six inches of final grade.

### INSTALLATION

**Electricity** – All communities require an inspection by a city, county or state inspector. Some communities require that an electrical inspection be completed for a permanent meter to be set. Procedures on how inspections are submitted vary. (Refer to page 18.)

**Natural Gas** – All building gas line plumbing requires an inspection by the local governing agency. Some gas services will have a meter set at the time the service lateral is installed. Loads and area specifics will determine the installation process. (Refer to page 18.)

**Joint Trench** – We install services in a joint trench whenever possible. For joint trenching, natural gas and electricity meter locations are preferred to be on the same side of the house as the electric stub, pole, transformer or pedestal. This process is subject to review on a case-by-case basis.

The **BUILDERS CALL LINE** is open Monday through Friday, 7 a.m.–4 p.m. Mountain Time.

Phone: **1-800-628-2121**

Email: **BCLCO@xcelenergy.com**

Fax: **1-800-628-2521**

Website: **[xcelenergy.com/Builders/Partners/Service\\_Activation](https://xcelenergy.com/Builders/Partners/Service_Activation)**

To apply online, go to:

**<https://xcelenergy.com/force.com>**



### FOR SERVICES TO THE HOME

Please contact us before you begin digging your basement foundation so we can more effectively meet your service installation scheduling requirements.

### SITE-READY REQUIREMENTS

Prior to Xcel Energy service installation, please make sure the following are completed at the site:

- A 10-foot wide path must be clear of all obstacles from the meter to the energy source (pole, transformer, pedestal, electric stub or natural gas service tee) point of termination.
- Electric meter socket is installed. Please refer to the “Xcel Energy Standard for Electric Installation and Use.” You can view, download and “Sign up” to receive notifications to the “Xcel Energy Standard for Electric Installation and Use” by going to the following link: [xcelenergy.com/Partners/Builders/Installation\\_Support/Installation\\_Standards](http://xcelenergy.com/Partners/Builders/Installation_Support/Installation_Standards).
- Site is within six inches of final grade.
- Privately owned underground facilities are located. Xcel Energy is not responsible for damage to privately owned underground facilities that are not properly located by the customer.
- Foundation is in and backfilling is complete.
- Riser location is clearly marked.
- See page 17 for minimum clearance information.

We recommend you apply for services when you dig your foundation. If you do not have distribution or there are construction concerns, application is necessary well before digging begins. This allows Xcel Energy to provide service to the home in a timely fashion.

Thank you for your cooperation. If you have any questions, please call the Builders Call Line at **1-800-628-2121**.

### SERVICE RESTORATION

Xcel Energy will work with you to resolve any excessive or major damage caused by Xcel Energy crews or contractors. If you are concerned about the condition of your property after service work, call your Xcel Energy design representative for assistance.

### REQUIREMENTS TO APPLY FOR SERVICE (any method)

- Service Address. Lot numbers and rural information such as section, township, range and the nearest cross street is beneficial.
- Responsible Party Information (Name, Phone, Mailing Address)
- Site Contact During Construction
- Service Type (1ph, 3 ph, Amps, BTUs, Delivery Pressure)
- Meter Location (Looking from the front of the house, approximate distance located off which corner of the house.) Example: Right side of house; 23 feet off NE corner.
- Setback from the property line
- Electrician (Name, Phone) if applicable
- HVAC (Name, Phone) if applicable

Reminder: Your application will be delayed if you do not meet these requirements. Your Xcel Energy representative will require all necessary documentation before they can design your job. Completed Site Plans, Agreements (when applicable) and other forms must be submitted prior to designing the service.

#### Company situations that have priority over installing meter sets

Be aware of the following situations, which will take precedence over other requests:

- Public safety situations such as power outages or blowing gas
- Regulatory-required responses

#### Keeping your job on schedule

To eliminate or reduce delays in your meter set, avoid the following common mistakes:

- **Site addresses do not match.** Check to make sure the physical address on the service application, permit and the meter inspection matches the legal description, including the unit number.
- **The application for your type of meter does not match.** This can occur when the application is for one type of meter (for example, gas) and inspection is for another type of meter (for example, electric). Communicate any changes to your Designer, Planner and Technician as soon as possible to avoid any delays.
- **The customer's natural gas fuel line has not been inspected and/or tagged** (see next item).
- **The stamped, embossed brass address tag is not installed with address information and location** (in the case of more than one unit on site).
- **The meter release form has not been sent in to Xcel Energy.**
- **The meter is located under a drip, causing snow load public safety issues.**

- **The customer has not yet applied for service from Xcel Energy.** Typical construction projects require temporary electric, permanent electric and permanent gas services. In addition, some projects will require main extension and main and/or primary and separate gas and electric service.
- **The site is not at final grade.**
- **The site has clearance issues, such as:**
  - Improper distance from doors, operable windows or other openings
  - Snow, ice, other materials or debris blocking the meter location
- **Siding or decorative rock material thickness protrudes into the meter riser location impacting the installation of meter or riser equipment.** Meters cannot be rocked in.
- **The customer cannot tie into bypass valve (for gas meters) for safety reasons.**
- **Noncompliance with commercial standards.** Residences that require greater than 200 amps of electric service must comply to commercial standards.



## FastApp is here!

Use our new online portal, FastApp, to apply for Xcel Energy residential and business service through the Builders Call Line at <https://xcelenergy.force.com>.

The screenshot shows the Xcel Energy FastApp interface. At the top left is the Xcel Energy logo. Below it, the text 'Welcome to Xcel Energy's FastApp' is displayed. On the left side, there is a 'Login' section with an 'Email' input field, a 'Password' input field, a 'Remember me' checkbox, and a red 'Sign In' button. Below the 'Sign In' button is a link for 'Forgot Your Password?'. On the right side, there is a 'Sign Up' section with a paragraph of text explaining the service: 'Xcel Energy's FastApp allows builders/developers/homeowners or one-time users to submit and track applications for distribution, new service installations, temporary service installations, relocation of existing services, demolition of current services and outdoor lighting.' Below this text are two red buttons: 'Register Now' and 'One-time User'.

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

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

**Questions? Call the Builders Call Line, Monday through Friday, 7 a.m.-4 p.m. at 1-800-628-2121.**

# APPLICATION FOR GAS AND ELECTRICITY SERVICE

APPLICATION  
COLORADO



## Application For Gas And Electric Services

**Please photocopy both sides of this page for multiple use.**


<b>DATE</b>	BCLCO@xcelenergy.com	PHONE: 1-800-628-2121	FAX: 1-800-628-2521
<b>SERVICE ADDRESS (PLEASE PRINT)</b>			
House or Fire Number	Full Street Name		
City	State	Zip	
Urban Subdivision Name _____ Lot Number _____ Block Number _____ County _____	Rural County _____ Township _____ Range _____ Section _____	Direction to service location (Rural required) _____ _____ _____	
<input type="checkbox"/> Unincorporated	<input type="checkbox"/> Incorporated	Cross Street/Road	
<b>CONSTRUCTION INFORMATION (PLEASE PRINT)</b>			
Owner Information (Party to be billed during construction)		Contractor Information (include phone number)	
<b>Owner/Builder Name</b> _____		<b>Builder</b> _____	
Mailing Address _____		Phone Number _____	
City _____ State _____ Zip _____		Email _____	
Phone Number _____		<b>Heating Contractor</b> _____	
Contact during construction _____		Phone Number _____	
Address _____		Email _____	
City _____ State _____ Zip _____		<b>Electrical Contractor</b> _____	
Email _____		Phone Number _____	
Daytime phone _____		Email _____	
Fax _____		<b>A &amp; E Firm</b> _____	
Cell _____		Phone Number _____	
		Email _____	
Required services: <input type="checkbox"/> Electric <input type="checkbox"/> Gas <input type="checkbox"/> New <input type="checkbox"/> Relocate <input type="checkbox"/> Conversion <input type="checkbox"/> Demolition			
<b>SERVICE INFORMATION (COMPLETE ALL SECTIONS)</b>			
<b>Electric Service</b>		<b>Gas Service</b> (For gas service, please fill out second page of application.)	
<input type="checkbox"/> overhead <input type="checkbox"/> underground service size (amps) _____		Is this service being used for primary heat? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Air conditioning tonnage: _____ ton		<b>Total gas load (BTUs/hour):</b> _____	
<input type="checkbox"/> single phase <input type="checkbox"/> three phase    Voltage _____		Pressure <input type="checkbox"/> 6 or 7 inch <input type="checkbox"/> 2 lb <input type="checkbox"/> Other _____	
<b>Is temporary electric service needed?</b> <input type="checkbox"/> Yes		Date needed _____ / _____ /20 _____	
<input type="checkbox"/> single phase <input type="checkbox"/> three phase <input type="checkbox"/> at pole		Foundation backfill / To grade _____ / _____ /20 _____	
<input type="checkbox"/> at transformer <input type="checkbox"/> pedestal <input type="checkbox"/> other _____			
Date needed _____ / _____ /20 _____			
Foundation backfill / To grade _____ / _____ /20 _____			
<b>FACILITY INFORMATION (COMPLETE ALL SECTIONS)</b>			
<b>Building Type</b> <input type="checkbox"/> single home <input type="checkbox"/> duplex <input type="checkbox"/> multi-dwelling/no. of units _____ <input type="checkbox"/> commercial bldg. <input type="checkbox"/> mobile			
<b>Building Class</b> <input type="checkbox"/> residential <input type="checkbox"/> commercial <input type="checkbox"/> farm			
Building square footage _____    Building setback from property line (feet) _____			
<b>Electric Meter</b> location preference (when you are facing the front of the house from the outside) <input type="checkbox"/> on house <input type="checkbox"/> on garage			
<input type="checkbox"/> right side <input type="checkbox"/> left side <input type="checkbox"/> front <input type="checkbox"/> other _____ Feet from front corner _____			
<b>Gas Meter</b> location preference (when you are facing the front of the house from the outside) <input type="checkbox"/> on house <input type="checkbox"/> on garage			
<input type="checkbox"/> right side <input type="checkbox"/> left side <input type="checkbox"/> front <input type="checkbox"/> other _____ Feet from front corner _____			
For Commercial			
Total motor load _____ HP    Largest HP _____    Code _____    BTU input _____ <span style="float: right;">See second page of form</span>			

GAS AND ELECTRIC SERVICES

APPLICATION  
COLORADO

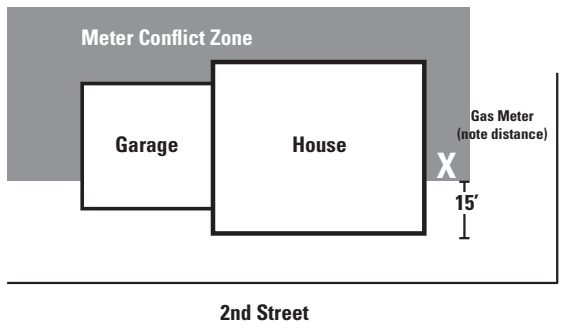
END USES			
Equipment type	Gas (specify BTUs/hours input)	Electric (specify kW)	Other Fuel Type
Heating			
Water heating			
Cooking			
Air conditioning			
Clothes drying			
Fireplace			
Lighting (Commercial Only)			
Heat source (check type)	<input type="checkbox"/> Forced air furnace	<input type="checkbox"/> Heat storage	<input type="checkbox"/> Underfloor/slab heat <input type="checkbox"/> Baseboard
Meter Option (if applicable)	<input type="checkbox"/> Time of use	<input type="checkbox"/> Dual fuel	<input type="checkbox"/> Limited off-peak <input type="checkbox"/> Saver's Switch

It is preferred that the site plan including proposed meter locations and compass directions be attached. Or draw sketch below as if you are facing the front of the house from the outside.



**Please indicate north**

**Service Address** \_\_\_\_\_



**Contact:** Builders Call Line  
Xcel Energy  
Phone: 1-800-628-2121  
Fax: 1-800-628-2521  
BCLCO@xcelenergy.com

1. Customer-owned facilities must be located and identified by customer.
  2. Indicate distances for meters from nearest corner of building.
  3. Preferred meter location is on same side of house as Xcel Energy source.
  4. Inspection must be complete before service is energized.
  5. If no Inspector, Proof of Compliance (Electric) and/or Certificate of Compliance (Gas) must be complete.
  6. Site must be within 4 to 6 inches of final grade (for new construction) and a clear 10-foot-wide path from Xcel Energy source to meter.
  7. Winter construction charges may apply from 10/1 to 4/15.
  8. Water and sewer must be installed prior to electric or gas service.
- Meter Conflict Zone* any potential area for a deck, patio, pool, etc.



APPLICATION  
COLORADO



# New Plat Submittal Form

## NEW RESIDENTIAL DEVELOPMENT

Builders Call Line • 5460 West 60th Avenue • Arvada, CO 80003 • Phone: 1-800-628-2121 • Fax: 1-800-628-2521 • Email: BCLCO@xcelenergy.com

**xcelenergy.com** • Please photocopy this page for multiple use.

Developer Name \_\_\_\_\_ Today's Date \_\_\_\_\_  
 Phone \_\_\_\_\_ Contact \_\_\_\_\_ Fax \_\_\_\_\_  
 Pager \_\_\_\_\_ Cell Phone \_\_\_\_\_ Other Contact Number \_\_\_\_\_  
 Mailing address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
 E-mail\* \_\_\_\_\_

\*By providing your e-mail, you are giving us permission to send information about this and other Xcel Energy products, services and events.

### Project Information

Development Name \_\_\_\_\_ Contact \_\_\_\_\_ Phone \_\_\_\_\_  
 Type of Development  Single-Family Number of Lots \_\_\_\_\_  Multi-Family Number of Units \_\_\_\_\_  
 Existing Homes on Site  Yes  No Development Served By:  City Water/Sewer  Septic/Well  
 Road Requirements  Curb and Gutter  Sidewalk  Rural Ditch Section  
 Paving  Yes  No Association common area/community area/swimming pool  Yes  No  
 Association Sprinkler System  Yes  No Sprinkler system electric locations(cross streets): \_\_\_\_\_  
 Commercial Buildings  Yes  No Fountains  Yes  No 3 Phase Requirements  Yes  No  
 Requested Services  Electric  Gas  Street Lighting  
 List any special conditions that might require an on-site meeting to determine energy routing \_\_\_\_\_

### Location - If Plats included, skip this section

Site Location \_\_\_\_\_  
 Nearest Crossroads \_\_\_\_\_  
 Section \_\_\_\_\_ City/Town/Village (circle one) \_\_\_\_\_

### Schedule

Two full sets of construction plans enclosed  Yes  No  
 Approval Stage  Conceptual  Preliminary  Final  
 Construction Start Date \_\_\_\_\_ Electric/Gas Target Install Date: \_\_\_\_\_

**THIS SECTION FOR Xcel Energy USE ONLY**  
 Xcel Energy Street Lights Project?  Yes  No Work Order No. \_\_\_\_\_ Designer \_\_\_\_\_  
 File ID: \_\_\_\_\_ Received From \_\_\_\_\_ Date Received \_\_\_\_\_  
 Format  Paper  Digital Type \_\_\_\_\_  
 Conversion Area  Future  Current  
 Date Landbase Created In GIS \_\_\_\_\_ Date Street Centerlines and Address Created in GIS \_\_\_\_\_  
 Date Designer Notified \_\_\_\_\_

## STANDARD AND WINTER CONSTRUCTION CHARGES

In most cases, Xcel Energy can install services all year. However, you can avoid winter construction charges by having your site ready for service before winter conditions exist.

Winter conditions include any of the following:

- Seven inches (7") or more of frost
- If snow removal or plowing is required to install service
- Adverse soil conditions exist

The construction crew foreman will determine whether winter 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.

If a natural gas main is not available on the side of the street on which you are building, notify Xcel Energy so we can make the necessary arrangements to serve you.

**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. Electricity service laterals are underground or overhead secondary voltage conductors from the transformer or the closest underground pedestal to the Xcel Energy designated customer's electricity 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. Contact the Builders Call Line for further assistance.

You may incur additional charges for surface or subsurface conditions that impede the installation of distribution facility.

In multiple communities there is a digging moratorium that may run from October until May depending on the county and their restrictions. The counties of Clear Creek, Eagle, Grand, Summit and Park have digging moratoriums. It takes four to six months to get through the design process. That's why it is imperative that you call us as soon as you know your project is proceeding. Then provide final copies of your project's site plan, load calculations and elevations to your assigned designer. We highly recommend you apply for your building permit with the city or county at this time.

Due to our four to six month design process, if Xcel Energy receives final site plans, load calculations and elevations after July 1, the chances of an installation in the same construction year are greatly reduced before the moratoriums go into effect.



**STANDARD AND FROST CONSTRUCTION CHARGES\***

	<b>Standard Construction Charges, All laterals are based on an estimate per the Tariffs</b> <small>(See page 12 for definition of standard installation)</small>	<b>Frost Construction Charges*</b> <small>(Effective year-round)</small>
<b>Natural Gas</b>	<p><b>Standard Service:</b> A standardized Matrix will be used on residential gas services that meet the following requirements:</p> <ul style="list-style-type: none"> <li>• Under one hundred feet (100') in length</li> <li>• 1¼" and under pipe</li> <li>• All other services (residential or commercial) will be designed ***</li> </ul> <p>The Matrix requires the following information:</p> <ul style="list-style-type: none"> <li>• City or County for Permit, is a permit required?</li> <li>• Region</li> <li>• Pipe size</li> <li>• Approximate length – &lt;70', &lt;100'</li> <li>• Metering Pressure</li> <li>• Restoration Required</li> <li>• Traffic Control Required</li> <li>• Number of Meters</li> </ul> <p><i>A Construction Allowance* is awarded upfront on all services and customers must pay the non-refundable payment prior to construction.</i></p> <p><b>Residential</b></p> <p>Service Lateral Portion ..... \$283/meter Distribution Portion ..... \$266/meter</p> <p><b>Commercial Small Gas (CSG) — Annual gas consumption is less than 50,000 therms</b></p> <p>Service Lateral Portion ..... \$1,121/meter Distribution Portion ..... \$4.52/DTH</p> <p><b>Commercial Large Gas (CLG) — Annual gas consumption is more than 50,000 therms</b></p> <p>Service Lateral Portion ..... \$1,122/meter Distribution Portion ..... \$3.43/DTH</p>	<p>If customer approves installation during frost conditions through the use of the Frost Agreement they will be charged \$2.20 per linear foot when frost is deeper than six inches (6").</p> <p>In some divisions it may be necessary to use a ground Thaw Machine during winter months. The customer will be charged by the hour for the time the crew and heater is at the location. The charges per hour are labor is \$36.50/hr; 1 ton truck \$18/hr; and heater (Thaw Machine) \$25/hr.*</p>
<b>Electric</b>	<p><b>Standard Service:</b> A standardized Matrix will be used on underground residential electric services that meet the following requirements:</p> <ul style="list-style-type: none"> <li>• Under two hundred feet (200') in length</li> <li>• 4/0 wire or smaller conductor</li> <li>• 320 A or less meter housing</li> <li>• All other services (commercial or residential) will be designed ***</li> </ul> <p>The Matrix requires the following information:</p> <ul style="list-style-type: none"> <li>• Region</li> <li>• Panel Size (200A or 320A)</li> <li>• Approximate length - &lt;70', &lt;100', &lt;150', &lt;200'</li> <li>• UG Service fed from OH Secondary</li> <li>• Xcel or customer-installed Conduit</li> <li>• Multiple Meters (up to five)</li> </ul> <p><i>A Construction Allowance* is awarded upfront on all services and customer must pay the non-refundable payment prior to construction.</i></p> <p><b>Residential</b></p> <p>Service Lateral Portion ..... \$170/meter Distribution Portion ..... \$920/meter</p> <p><b>Commercial (C,NMTR) Less than 25kW</b></p> <p>Service Lateral Portion ..... \$280/meter Distribution Portion ..... \$1,290/meter</p> <p><b>Commercial (SG) More than 25kW</b></p> <p>Service Lateral Portion ..... \$1,650/meter Distribution Portion ..... \$270/kW</p>	<p>If customer approves installation during frost conditions through the use of the Frost Agreement they will be charged \$2.20 per linear foot when frost is deeper than six inches (6").</p> <p>In some divisions it may be necessary to use a ground Thaw Machine during winter months. The customer will be charged by the hour for the time the crew and heater is at the location. The charges per hour are labor \$36.50/hr; 1 ton truck \$18/hr; and heater (Thaw Machine) \$25/hr.*</p>
<b>Joint Trench</b>	<p>For gas and electricity distribution and services installed in the same trench, the customer will pay the electric trench costs, cost of lift for separation and cost of gas pipe. There could be other costs such as the necessity of a wider trench and compaction.</p>	

\*Winter Construction Charges are subject to change.

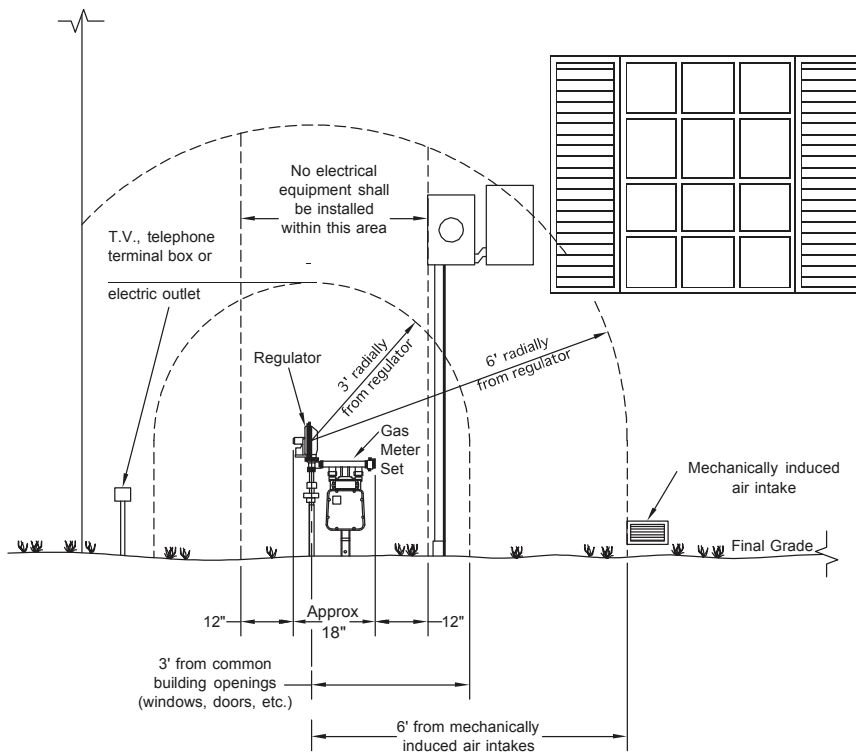
\*\*Construction Allowance is set forth through Commission-approved rate filings and are subject to change.

\*\*\*Prices may vary on additional charges such as: system pressure, compaction, hand trenching, sod removal, etc.

## NATURAL GAS AND ELECTRICITY 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 (20 feet from a power 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. 3' minimum working clearance from non-electrical obstructions is preferred around gas meter set.
2. Disregard clearances when measuring around corners of structure.
3. See drawings and [SC-20A](#) for ice and snow shield requirements.
4. Electric and plastic gas services within the same trench shall be separated by twelve (12) radial inches. Steel gas services shall not be installed in the same trench with an electric service and require a minimum of twelve (12) radial inches of separation.

	Issued	Replaces	Drawn by	Approved	File	STANDARD FOR ELECTRIC INSTALLATION AND USE
	Mar-13	Jan-13	JD		I-7.1	

## ELECTRICITY INSPECTION REQUIREMENTS

*To learn about local communities' inspection requirements for your area, call your local inspection agency.*

### **COLORADO**

All communities require an inspection by a city, county or state inspector. Electric inspections are required for a permanent meter installation. Procedures on how inspections are submitted vary. Some cities and counties fax in the information or email it in to the appropriate personnel at Xcel Energy. Electrical work completed by a homeowner or a non-licensed person must have an inspection completed by the city, state or county inspector for that area.

## NATURAL GAS INSPECTION REQUIREMENTS

*To learn about local communities' inspection requirements for your area, call your local gas inspector.*

### **COLORADO**

The meter may be set if an approved inspection has been received. Procedures on how inspections are submitted vary. Some cities and counties fax in the information or email it in to the appropriate personnel at Xcel Energy. A few counties leave the inspection tag at the meter site. Please contact the Builders Call Line at **1-800-628-2121** to confirm an inspection has been completed. Often times, meter canes are installed in conjunction with the 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.

## COLORADO COMMUNITIES SERVED BY XCEL ENERGY

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

KEY: **E** = Electricity; **G** = Gas

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



Builders Call Line  
5460 W. 60th Avenue  
Arvada, CO 80003  
1-800-628-2121  
BCLCO@xcelenergy.com