

GPElectric.ca Additional Pages/Rewrites

Residential

Whether you're building a house or need electrical help in your existing home, GP Electric has the experts you need to call. No project is too big or too small for our professional master electricians. We offer everything from whole-home surge protection and electrical panel upgrades to installing detectors and rewiring outlets. Our expertise covers your needs, big and small. When you call us, you're guaranteeing yourself a stellar service experience and an electrical job you never need to worry about.

Our Services

We do it all. New construction, renovations, small projects that you don't want to tackle yourself. Our expert electricians are trained and experienced in all kinds of electrical jobs. Whether you are looking to install a new entertainment center, upgrade your home's smoke and CO2 detectors, or need to wire an addition or new home build, one call to us will take care of all your needs. Our certified team of experts can help you:

- Install indoor and outdoor lights
- Change out aluminum wiring
- Diagnose electrical failures and offer solutions
- Wire your home entertainment or computer system
- Conduct electrical inspections

Have an electrical emergency? Our team will be at your door within 24 hours to diagnose and fix whatever the problem is. We won't rest until your job is done.

We're electrical experts who know how to get things done quickly and efficiently to get your house back up and running sooner than you can imagine.

What You Can Expect

Prompt service. Courteous interactions. A room returned to normal. When you call us, our master electricians treat you like a part of the family. From donning shoe covers in the house to cleaning up after themselves, your home will be treated like our home. Your family is our family. Your pets are our pets. We take every part of our job seriously, including customer service.

Once your appointment time arrives, our master electricians will arrive on time to hear your concerns, discuss your options, provide you with pricing and a timeline, and anything else you need to understand the process. If the job requires, you will be working with two or more of our electricians to ensure a timely finish to your electrical project.

We are committed to getting an electrician to you as fast as possible, no matter the situation. Our typical turnaround time for appointments is 3-5 days in non-emergency situations.

Our Promise

We promise that you will be 100% satisfied with your job or we will do everything within our power to correct it. We promise that our electricians will be prompt, courteous, and knowledgeable, We promise that you won't regret giving us a call to take care of any of your electrical needs.

Your Grand Prarie home deserves the best! Call us today and experience the GP Electric difference.

Commercial

We are committed to providing the businesses of Grand Prarie with the highest quality electrical work in the area. A call to GP Electric means fast service, courteous workers, and superior craftsmanship. We are available to help you with electrical work 24 hours a day, 7 days a week. We know how important your business is and a call to GP Electric is a call that will save you time, money, and stress when your workplace needs an electrician.

Our Services

Our expert electricians can help you with a wide variety of electrical problems your business may be experiencing. Power bills too high and you want to save money by switching to a high-efficiency LED lighting system? We can do that. Need to upgrade or install emergency and backup lighting in case of an emergency? We can do that. Need upgraded panels to match the needs of your growing business? We can take care of that too. If your business is experiencing power outages or surges and you can't figure out the cause, we'll send a team to you to diagnose the problem and give you a range of options to suit your budget. We want to empower Grand Prarie's businesses so they can focus on what they do best.

What You Can Expect

Our electricians are available to you 24 hours a day, 7 days a week so, if disaster strikes, you don't have to worry about getting your power back up and running. For a more routine service call, we work hard to keep appointment wait times short. Usually, there will only be 3-5 business days between when you call us and when we're able to send an electrician or team out to assess your situation. We know the importance of a distraction-free office environment and will do everything in their power to ensure a service call experience that's as undistruptive as possible and with the highest quality of service. We get the job done right the first time, every time.

It is our honor to serve the businesses of Grand Prarie. We know our work makes your business run smoother, whether it's in the peace of mind knowing that you have quality emergency lighting if it's needed or in extra cash flow from a newly installed LED lighting system. We work hard to provide you with the best possible service at every turn.

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FAQs

My house has multiple 2-prong outlets. Is this OK?

Today, most appliances come with 3-prong plugs for additional safety. The third prong ensures the appliance is properly grounded. We recommend that you upgrade any 2-prong outlets to 3-prong outlets to ensure everything in your home is properly grounded.

Does having aluminum wiring mean I have to rewire my whole house?

Of course not. When properly installed, aluminum wiring can be completely safe. However, there can be many safety concerns with aluminum wiring, especially if has not been properly installed. One big problem that houses with this kind of wiring experience is called "cold creep." Like all metals, aluminum will expand when warm and contract when cold. Unlike copper wiring, after going through a number of these cycles, aluminum wiring will begin to lose a bit of tightness each time. It also corrodes when it comes in contact with certain types of metal, causing the resistance to rise and an increase in heat and oxidization. Because of all this, the wire will start to get very hot and melt the insulation or fixture causing a fire. It is very important to have a qualified electrician inspect your system if you have aluminum wiring.

What is an Arc Fault Circuit Interrupter (AFCI), and do I need one?

Electricity arcs are when a current "jumps" a gap from one medium to another. These are completely fine when they are part of a planned system. An arc fault is when an electrical current "jumps" over an unplanned path. These unintentional jumps can easily ignite surrounding materials causing a fire. Arc faults can be caused by many things including:

- Worn electrical insulation
- Wet connectors or conduit
- Shorted or damaged wires
- Overheated electrical cords or wires
- Damaged appliances
- Loose electrical connections

An AFCI utilizes advanced electronic technology that can sense different arcing conditions, unlike a standard circuit breaker that just detects overloads and short circuits. An AFCI can distinguish between normal arcs and ones that are abnormal and dangerous. The AFCI will stop any dangerous arcs before any damage can occur.

Should I install AFCIs in my home?

Home wiring problems, like unplanned arcing and sparking, are associated with thousands of Canadian home fires each year, leading to hundreds of injuries and more than \$180M in

damages. An AFCI is your first line of defense against these disasters. While the code only requires them in bedroom circuits, all of your home's circuits can benefit from their protection.

How can I better keep my children safe in my home?

Tamper-resistant receptacles are the easiest way to keep your children safe from electrical injuries. These child-safety outlets look exactly like a standard outlet but they include automatic shutters which let you plug in anything you need but blocks anything else. The Alberta Electrical Code has recently been updated to require tamper-resistant receptacles in all new construction.

These receptacles are safer than those easily-removed plastic outlet caps or sliding-shutter wall plates which can cause heat build-up and arcing. They are permanent, offer continuous protection, and provide automatic protection whenever a plug is removed from a receptacle.

How do I reset a tripped circuit breaker?

Unlike what you see on television, when a circuit breaker trips, it doesn't go straight to the "off" position. A tripped breaker will be in the middle, neither in the on or off position. In order to reset your breaker, push the lever all the way off and then all the way back on. If it happens again, you may have overloaded the circuit. Unplug a few things on that circuit to balance it out and reset your breaker. If it continues to happen, call us right away and we can evaluate your problem.

Why do they trip?

There are two common reasons for tripped circuits: overloads and shorts. An overloaded circuit happens when too many things are plugged in or turned on in the circuit. A short circuit can be caused by faulty wiring, appliances, or fixtures.

When I turn my dimmer off, it is very hot. Is this a fire hazard?

Did you know that different dimmers are rated for different wattages? If a dimmer has to operate at or close to its full capacity, it will become hot to the touch. If the incorrect dimmer is installed, it can create a fire hazard. If you think you may have the wrong dimmer installed, give us a call and we can make sure you get the proper dimmer for your lights.

What is a GFCI?

GFCI is an abbreviation for a Ground Fault Circuit Interrupter. A GFCI outlet is a specially designed outlet that can provide protection against short circuits and ground faults by detecting low levels of electrical current leaks and shuts off the power, preventing serious shocks. Alberta Electrical Code requires these outlets to be installed anywhere electricity and water may come into contact.

What causes my lights to flicker?

Lots of things can cause your lights to flicker. Worn out circuit breakers, overloaded circuits, loose connections, or faulty lightbulbs are some of the many things that can cause this problem. The first thing we suggest is replacing your bulbs with a different brand. If this doesn't fix the problem, we can help you figure out what's wrong.

Should I be concerned if I have an older home?

As your home gets older, your electrical systems will begin to deteriorate. This can happen because of age, abuse, and increased demand. To keep your home safe, keep your electrical

inspection up to date. These inspections will ensure that defects are corrected and your service stays up to date with the current demands of your home.

How can I pay?

We will accept cheques, cash, Visa, American Express, and Mastercard. We also provide financing should you need it. We promise that we will quote you the full price of the job and get your approval before we begin any work.

What size service do I need in my home?

New construction requires a minimum of 100 Amp electrical service per the Alberta Electrical Code. While the majority of older homes have 60 amp service, it is not required by law to upgrade to 100 amp service. However, it is required by most insurance companies and is required with all new electronic devices, air conditioning, electric heat, hot tubs, steamers and so on. If you do decide to upgrade, we suggest 200 amps as this will give you space for future additions.

When should I replace my smoke detectors or carbon monoxide detectors?

If maintained properly, smoke detectors are designed to last 10 years and carbon monoxide detectors 7 years. If you test them weekly and vacuum them once a year, they will last through their manufactured life. If they haven't been maintained or are older than their life expectancy, then it is time to replace them.

Are battery-powered smoke detectors sufficient?

Battery-powered smoke detectors do not interconnect with the other detectors in your house and are, therefore, insufficient. We recommend and install detectors that use both 120V power and batteries.

Do I need a whole-home surge protector?

A power surge is a brief interruption (usually caused by lightning storms) in your home's electrical power system. Although the duration of a power surge is very short, it has the potential to leave expensive and complex damages to your appliances and electronics. As your home's electrical system suffers power surges over time with no subsequent maintenance, your appliances and electronics can be destroyed. Although most homes have appliances that are tied to a surge protector, we recommend installing a whole-home surge protector. A whole-home surge protector protects all of your home circuits and mitigates the risk of an appliance and electrical failure.

Can GP Electric install telephone and computer wiring?

GP Electric supplies and installs a wide variety of data and communications in your home or business. We can install: computer networking, computer wiring, intercoms, TV, telephone, speakers, satellites, etc.

GPElectric.ca Content re-write.

Whole-Home Surge Protection

We're all familiar with the surge protector outlet strips. Odds are, you have a few plugged in around your house, especially with your entertainment system or computer set up. Did you know that power surges can impact everything in your home, not just these big systems? A whole-home surge protector is the best way to ensure all of your appliances and circuits are protected.

A power surge is a brief interruption (usually caused by lightning storms) in your home's electrical power system. Although the duration of a power surge is very short, it has the potential to leave expensive and lasting damage to your appliances and electronics. As your home's electrical system suffers power surges over time with no subsequent maintenance, your appliances and electronics could be destroyed. Although most homes have appliances that are tied to a surge protector, we recommend installing a whole-home surge protector. A whole-home surge protector protects all of your home circuits and mitigates the risk of an appliance and electrical failure.

Protect your Grande Prairie home and contact GP Electrician today! We have an excellent team of certified electricians ready to serve you.

Smoke Detector Installation & Replacement

Do you know the difference between smoke detectors and heat detectors? Smoke detectors sense and alert you to the presence of dangerous heat, smoke, and fire. Heat detectors alert you to the presence of fire only when the surrounding temperature reaches a certain threshold. Smoke detectors detect all three dangerous elements caused by a house fire: heat, smoke, and fire. Heat detectors only detect fire. Smoke detectors are more sensitive than heat detectors; something you've probably noticed if you've ever had to turn off a smoke detector after burning something in the kitchen.

A properly installed and functioning smoke detector in your home could be the difference between life and death if your home catches on fire as victims of a fire are more likely to succumb to injuries caused by smoke inhalation than burns. It can also determine whether your home and treasured possessions are destroyed or salvageable.

Properly installed smoke detectors are essential to protecting your home and family. The National Fire Protection Agency requires that, at minimum, smoke detectors be placed on or close to the ceiling in every bedroom, outside of every sleeping area, and on each level on a home. Additional smoke detectors are required for each common area in a home; larger sized homes require more smoke detectors. Smoke detectors are also required to be hardwired and interconnected.

It is not enough to have smoke detectors installed; they must be maintained on a quarterly basis, in addition to monthly testing. This includes battery replacement, testing to ensure accurate alarming in the absence of fire and smoke, evaluating the detector for damage and replacing it if necessary.

Carbon monoxide detectors are also required in both dwelling and commercial units to protect against carbon monoxide poisoning. Carbon monoxide is a colorless, odorless gas that carries fatal properties. Sources of carbon monoxide accumulation include appliances such as boilers, water heaters, fireplaces, and heating systems.

At least one carbon monoxide detector should be installed on each floor of a home, including the basement, attached garages, and directly outside or inside of all sleeping areas.

Commercial buildings must also provide carbon monoxide detectors if there are fuel-burning appliances in the building. They must be located in the lobby or adjacent hall to the area where the fuel-burning appliance is located. Additionally, commercial buildings must have smoke detectors in each hallway and in each principal habitable (or frequently occupied) room.

Carbon monoxide detectors must also be tested on a regular basis. This can simply be done by pressing and holding down the "test" button until two beeps are heard. Repeat this step, except press and hold down the "test" button until four beeps are heard. Detectors in commercial buildings must also have a ticket attached to each smoke and carbon monoxide detector that provides the most recent date of maintenance service and battery replacement.

Whether you need assistance with smoke detector installation or complete smoke detector replacement, our team is happy to help you. GP Electricians has a team of certified electricians with extensive knowledge. Your safety is our priority.

Electrical Car Charging Station

Advances in technology have made environmentally-friendly electric cars more accessible than ever. Although they are more expensive upfront, these vehicles are popular around the world because they are zero-emission; powered by clean, renewable energy sources; and give their owners access to tax benefits not available to people who own gasoline-powered automobiles.

Unlike traditional cars that have to travel to a gas station to pump fuel, these cars utilize an electrical car charging station for its battery to charge. GP Electrician's team of certified electricians are experienced in installing these kinds of car charging stations in your very own home so you no longer have to travel to power up your vehicle. We also have a 100% satisfaction guarantee among our clients and are happy to help you!

Lighting Upgrades

A room's lighting does more than illuminate the items it contains. Lighting can impact the atmosphere of the room as well. Lighting can create a warm cozy atmosphere or inspire productivity like in a brightly-lit office. We can help you create the right lighting statement for any room in your home or office.

No matter what vibe you are going for, we recommend LED (light-emitting diode) lighting for all of our clients. LED lighting produces light 90% more productively than traditional incandescent light bulbs. This is because incandescent bulbs create light by heating up their filament to a very high temperature where light can be produced so most of the electricity produced is lost as heat. In LED lighting products, electric current passes through a microchip that reflects the light. LED light products also project light in a particular direction, which also contributes to their energy efficiency.

Unlike incandescent bulbs, LED light products do not burn out or fail; however, they do go through lumen depreciation, or slowly dim, over time and extensive use. LED light products can also be customized to a variety of colors including amber, red, green, and blue.

While upgrading to LED lights, you can even include the installation of modern controlled lighting switches or remotes, kitchen lighting, landscape lighting, under cabinet lighting, LED retrofit pot-lights, LED office lighting, bathroom lighting, exterior lighting, motion sensor and security lighting, three-way and four-way switches, occupancy sensors, and timers. GP Electrician's team of certified electricians are ready to help you with whatever your light project needs. Contact us today so we can upgrade you!

Electrical Inspection

GP Electrician is proud to provide electrical inspection services to the Grande Prairie area. We will conduct an exhaustive evaluation and testing of the electrical systems in your home or office, including wiring, to ensure that all components are in compliance with the applicable code. If your home or business is not in compliance with electrical code, you could be endangering your family or employees. Further, any non-compliant or defective components or wiring left unaddressed can lead to expensive future damages to the building or home. If you have been notified about non-compliant parts or systems, and they remain noncompliant with the Canadian Electrical Code, you may also be subject to sanctions, including fines or the shuttering of your building until compliance is met.

An electrical inspection may also provide recommendations to upgrade certain components for improved performance. All of our team members are certified electrician installers. If you choose to proceed with a recommendation made by our certified electrician, you can rest assured you are receiving top quality work.

GP Electrician services cover both residential and commercial buildings. Our team of certified electricians will provide top-quality electrical inspection services that cover the following:

- Electrical safety inspections

- Residential electrical safety inspections
- Older home electrical inspection and upgrades
- Wall and switch outlet operation and condition
- Electrical panel inspection for amperage and operations
- Safe operation of electrical equipment and devices
- Identification and recommendation of outdated wiring
- Insurance risk assessment requirements
- Commercial electrical safety in sections
- Electrical code correction
- Electrical code primary breaker box inspection
- Inspection and services for all electrical wiring compliance
- Commercial standard electrical inspection to certify electrical code compliance.

If you are not familiar with the Canadian Electrical Code, or if you are not sure how to best interpret the code and apply it to your project, our team of certified electricians ready to help you.

Regardless of the extent and type of electrical inspection you desire, GP Electrician guarantees professional, quality, and polite service.

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SOURCES USED:

Project Brief

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