



GoRight Electrical Service Scope and Value Guide

A readable guide to the scope, technical decisions, deliverables and pricing pathway behind each project.

GoRight Electrical Inc. provides professional electrical troubleshooting, repairs, installations and upgrades in Saint John, Rothesay, Quispamsis and surrounding communities. We focus on clear communication, careful workmanship and practical solutions fit to each property.

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This guide helps customers understand the work, planning and professional responsibility behind an electrical project.

How to read this guide

Each service uses three spacious pages: photograph and description, evaluation and numbered workflow, then requirements, value, deliverables, pricing and limits.

The Approved service description section reproduces the approved source wording. Customer summaries, evaluations, stages, calculations, value explanations, deliverables, pricing, exclusions and references are separately identified explanatory content.

Technical basis

CSA C22.1:24 Canadian Electrical Code, Part I (26th edition); New Brunswick Regulation 84-165; the Electrical Installation and Inspection Act; applicable NB Power requirements; and approved equipment markings and instructions. Exact rules must be verified for each installation.

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Find the service that best matches your concern or project.
You do not need to diagnose the problem before contacting GoRight.

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How GoRight handles a project

- 1. Listen and define the objective.** Understand the concern, expected outcome and work the customer wishes to authorize.
- 2. Gather available information.** Review safe photographs, documents and visible equipment data.
- 3. Verify site conditions.** Examine accessible equipment, capacity, routes and constraints.
- 4. Complete technical checks.** Perform the calculations and reviews specific to the service.
- 5. Identify requirement sources.** Separate Code, New Brunswick, utility, manufacturer and other professional requirements.
- 6. Define the written scope.** State inclusions, exclusions, assumptions, responsibilities and price-changing conditions.
- 7. Obtain authorization.** Proceed only with authorized work.
- 8. Coordinate and complete.** Arrange permits, materials, shutdowns, utility requirements and other trades.
- 9. Test and document.** Complete appropriate commissioning, identification, documentation and ordinary cleanup.
- 10. Explain the result.** Present findings, limitations and recommended follow-up in clear language.

Not every project requires every stage. The written quotation determines the authorized scope.

Professional design and conductor-selection chain

- 1. Equipment information.** We confirm the voltage, phase, current, wattage, horsepower, duty, minimum circuit ampacity, maximum protection and approved installation instructions that apply to the equipment.
- 2. Design current.** We determine the current the circuit or equipment must carry under its expected operating condition.
- 3. Demand and continuous-load treatment.** We apply the appropriate demand, duty-cycle and continuous-load treatment instead of relying on one nameplate number.
- 4. Conductor material and insulation.** We select an approved conductor material and insulation type suited to the equipment, environment and wiring method.
- 5. Ampacity corrections.** We account for ambient temperature, conductor grouping, raceway conditions and other applicable adjustment factors.
- 6. Voltage drop.** We consider conductor length, current and equipment sensitivity so the completed installation can perform as intended.
- 7. Termination rating.** We verify conductor size, equipment terminals and permitted temperature limitations as one compatible system.
- 8. Wiring method.** We select a cable, raceway or other approved method suitable for the location, route, physical exposure and environment.
- 9. Overcurrent protection.** We coordinate the breaker or fuse with the conductor, connected equipment and any applicable special rules.
- 10. Grounding and bonding.** We establish the required fault-current path, equipment bonding and grounding arrangement.
- 11. Testing.** We verify the completed authorized work using the tests appropriate to the installation.

This sequence explains professional reasoning. It is not a sizing table and does not authorize the reader to perform electrical work.

1. Electrical Troubleshooting and Repairs



Customer summary

Breakers trip, lights flicker, receptacles stop working or part of the property loses power. You receive a clearer understanding of the problem and an appropriate next step. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Breakers trip, lights flicker, receptacles stop working or part of the property loses power.

How GoRight helps: We investigate the concern, explain what we find and obtain authorization before repairs.

The outcome: You receive a clearer understanding of the problem and an appropriate next step.

1. Electrical Troubleshooting and Repairs — Evaluation and workflow

What GoRight evaluates

- Reported symptoms and history
- affected circuit boundaries
- supply, polarity and neutral condition
- grounding and bonding continuity
- terminations, insulation and connected loads
- protective-device operation.

Numbered technical workflow

- 1. Define the symptom and circuit boundary.** Record when the fault occurs, affected loads, breaker or fuse information and recent changes. Review Sections 2, 12, 14 and 26 as applicable; the reported symptom guides testing but is not treated as the diagnosis.
- 2. Establish circuit integrity.** Safely verify supply voltage, polarity, grounding and bonding continuity, termination condition, insulation concerns and protective-device operation using appropriate instruments. Trace accessible points to separate a branch-circuit fault from an equipment, service or utility condition.
- 3. Reconstruct the electrical demand.** Identify connected load, duty and simultaneous use; compare conductor ampacity and breaker or fuse rating with Sections 4, 8 and 14. Check continuous loading, temperature, conductor grouping and voltage drop where they may contribute to heating or nuisance operation.
- 4. Design the corrective connection.** Match conductor material, insulation rating, termination temperature, box fill, wiring method and environmental rating to the verified circuit. Confirm required GFCI/AFCI protection, disconnecting means and bonding before recommending repair or replacement.
- 5. Prove and document the result.** After authorization, repair only the defined defect, torque or terminate as required, restore covers, perform functional and protective-device checks, label changed circuits and explain unresolved or concealed risks that require further investigation.

1. Electrical Troubleshooting and Repairs — Decisions and deliverables

Calculations and design decisions

GoRight reconstructs the connected load and circuit boundary, compares measured conditions with the expected supply, and checks whether voltage drop, heating, polarity, bonding, insulation or protection behaviour helps isolate the fault.

What your investment covers

Diagnostic reasoning • circuit-integrity testing • safe isolation • defined repair recommendation • post-repair verification • documentation of unresolved conditions.

This professional work separates symptoms from causes, limits unnecessary replacement and supports a repair decision based on verified circuit behaviour.

What you may receive

Diagnostic summary • defined repair scope • applicable test results • unresolved-condition list • follow-up recommendation.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

Fault location, intermittent symptoms, concealed damage, damaged conductors, inaccessible junctions and the need for repeat testing can change the repair scope and time.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 2, 12, 14 and 26; Sections 4, 8 and 10
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

2. Electrical Service Calls



Customer summary

A small repair, installation or defective component still needs professional attention. Availability is confirmed when you contact us; no unverified response time is promised. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A small repair, installation or defective component still needs professional attention.

How GoRight helps: We assess minor electrical work, maintenance concerns and damaged components requiring a licensed electrician.

The outcome: Availability is confirmed when you contact us; no unverified response time is promised.

2. Electrical Service Calls — Evaluation and workflow

What GoRight evaluates

- Maintenance, replacement, alteration or new-work classification
- existing circuit capacity
- device and equipment compatibility
- added or removed load
- isolation, permit and testing needs.

Numbered technical workflow

- 1. Classify the service request.** Confirm the device, equipment, location, voltage, phase, duty, urgency and customer authorization limit. Determine whether the task is maintenance, replacement, alteration or new installation and whether Regulation 84-165 requires a wiring permit before work begins.
- 2. Check the existing supply.** Verify circuit identification, voltage, breaker or fuse rating, conductor size and material, grounding/bonding path and available capacity. Sections 4, 8, 12, 14 and 26 guide the review; equipment nameplate and instructions control the final connection.
- 3. Calculate the added or replacement load.** Convert nameplate watts, amperes or volt-amperes as needed; account for continuous duty, motor starting or heating demand where relevant. Confirm that conductor ampacity, voltage drop and overcurrent protection remain suitable for the complete circuit.
- 4. Plan the work and protection.** Select an approved device, enclosure, wiring method, box, conductor, connector and disconnecting means for the environment. Verify GFCI/AFCI or other protection where the location and Code require it, and state finish repairs or access work separately.
- 5. Complete a controlled handover.** Obtain authorization, isolate and verify the circuit, complete the connection, test operation and protection, restore barriers, label changes, clean the area and record any deficiency outside the accepted scope.

2. Electrical Service Calls — Decisions and deliverables

Calculations and design decisions

The decision begins by classifying the request as maintenance, replacement, alteration or new work, then checking the existing circuit rating, the load added or removed, device compatibility and whether permit or testing requirements change.

What your investment covers

Request classification • existing-supply review • equipment compatibility • safe isolation • authorized installation or repair • testing and documentation.

The review prevents a small request from becoming an incompatible alteration and defines what can be completed safely within the authorized visit.

What you may receive

Written scope • device/equipment record • test result • identified exclusions • next-step recommendation.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

The number of devices, circuit condition, access, permit classification, replacement compatibility and newly discovered deficiencies can change the scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 2, 12, 14 and 26; Sections 4, 8 and 10
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

3. Lighting Installation and Repair



Customer summary

Lighting is inadequate, unreliable or no longer suited to the space. The goal is dependable lighting that supports comfort, visibility and efficient use. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Lighting is inadequate, unreliable or no longer suited to the space.

How GoRight helps: We install and service indoor, outdoor, recessed, LED, security and motion-sensor lighting, dimmers and controls.

The outcome: The goal is dependable lighting that supports comfort, visibility and efficient use.

3. Lighting Installation and Repair — Evaluation and workflow

What GoRight evaluates

- Fixture and driver ratings
- dimmer and control compatibility
- switching, neutral and box conditions
- fixture support
- environmental rating
- inrush, continuous loading and location-specific protection.

Numbered technical workflow

- 1. Build the lighting intent.** Confirm illumination goal, fixture quantity, switching zones, dimming, colour characteristics, indoor/outdoor exposure and ceiling construction. Review Section 30 with Sections 4, 8, 12, 14 and 26, plus fixture and control instructions.
- 2. Calculate branch-circuit loading.** Total fixture and driver input, include other loads already on the circuit and apply continuous-load limits where applicable. Check dimmer wattage, LED-driver compatibility, inrush current, conductor ampacity, breaker capacity and voltage drop for long runs.
- 3. Verify the connection path.** Identify supply, neutral, bonding conductor and switch legs; confirm box fill, conductor condition, insulation rating and accessible routing. Recommend new cabling rather than unsafe reuse when existing conductors, boxes or supports are unsuitable.
- 4. Coordinate controls and protection.** Match dimmers, sensors, timers and smart controls to load type, voltage and required neutral. Confirm required AFCI/GFCI protection, wet-location ratings, insulation-contact clearances, vapour-barrier needs and approved fixture support.
- 5. Install and commission.** After authorization, mount and connect equipment, torque terminations, test every control mode, confirm protective-device operation, label altered circuits and explain lamp, driver, dimmer or maintenance limitations.

3. Lighting Installation and Repair — Decisions and deliverables

Calculations and design decisions

Fixture watts, driver input, inrush, control type, dimmer range, neutral availability, box fill, support and environmental rating are considered together. Protection requirements depend on location and circuit conditions.

What your investment covers

Lighting and control planning • load review • product compatibility • fixture support and routing • protection coordination • commissioning.

Compatibility and support checks protect performance, control operation and the finished space instead of treating every fixture as interchangeable.

What you may receive

Fixture/control schedule • defined quotation • circuit identification • functional test record • maintenance notes.

Pricing pathway

LED wafer light: \$165 open framing or \$225 finished accessible ceiling per light; six-light package starts at \$1,550. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the stated fixture type, ordinary mounting conditions and accessible wiring or ceiling conditions for the selected starting point.

Exclusions and conditions affecting price

Fixture quantity and weight, ceiling access, switching changes, dimming compatibility, exterior conditions, mounting support and finished-surface work affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 30; Sections 4, 8, 12, 14 and 26
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

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Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

4. Receptacles Switches and GFCI Devices



Customer summary

A device is loose, damaged, overheated or no longer working. Proper device selection and connection help restore reliable use. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A device is loose, damaged, overheated or no longer working.

How GoRight helps: We install and replace receptacles, switches, dimmers, USB devices, GFCIs and weather-resistant outdoor devices, with applicable checks.

The outcome: Proper device selection and connection help restore reliable use.

4. Receptacles Switches and GFCI Devices — Evaluation and workflow

What GoRight evaluates

- Polarity, neutral and bonding condition
- device and conductor ratings
- box capacity
- aluminum conductors
- upstream/downstream DDFT/GFCI or DDAA/AFCI protection
- weather- and tamper-resistant needs.

Numbered technical workflow

- 1. Identify device duty and location.** Confirm voltage, amperage, load type, indoor/outdoor or wet exposure and whether the device serves general use, kitchen, bathroom, exterior or specific equipment. Apply Sections 12, 14 and 26 and the applicable dwelling rules.
- 2. Test circuit integrity.** Verify polarity, supply voltage, bonding continuity, neutral condition and accessible termination quality; investigate heat damage, looseness or repeated failure. A tester indication is screened against the actual circuit configuration rather than used alone as proof of safety.
- 3. Check conductor and box suitability.** Confirm conductor size, material, insulation, box volume, fill, device rating and terminal compatibility. Identify aluminum-wiring or mixed-metal connections requiring approved connectors and procedures; never conceal damaged insulation or overcrowding.
- 4. Coordinate required protection.** Determine GFCI, AFCI, weather-resistant, tamper-resistant, cover and disconnect requirements for the location. Confirm breaker rating and downstream protection arrangement so devices are not placed beyond their listing or interrupting function.
- 5. Replace, verify and record.** De-energize and prove isolation, prepare conductors without reducing effective size, torque approved terminals, restore the enclosure, test polarity/GFCI/AFCI operation and recommend circuit correction if upstream integrity remains uncertain.

4. Receptacles Switches and GFCI Devices — Decisions and deliverables

Calculations and design decisions

Device rating is checked against circuit voltage, current, conductor material, box capacity and location. GoRight also determines how upstream DDFT/GFCI or DDAA/AFCI protection will operate together.

What your investment covers

Polarity and bonding checks • device and conductor compatibility • box-capacity review • location-specific protection • replacement and functional testing.

These checks help prevent loose connections, incorrect protection and repeat failure while confirming that the replacement suits the circuit and location.

What you may receive

Device and protection recommendation • defined repair scope • polarity/GFCI/AFCI test result where included • deficiency list.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

Device quantity, box condition, aluminum conductors, missing bonding, upstream protection, exterior exposure and damaged wiring can require additional work.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 26; Sections 4, 10, 12 and 14
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

5. New Electrical Circuits



Customer summary

A new appliance, workshop, office or heating load needs an appropriate supply. The circuit is planned around the actual equipment and property conditions. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A new appliance, workshop, office or heating load needs an appropriate supply.

How GoRight helps: We assess panel capacity, load requirements, wiring route, conductors, breakers and permit needs.

The outcome: The circuit is planned around the actual equipment and property conditions.

5. New Electrical Circuits — Evaluation and workflow

What GoRight evaluates

- Nameplate, voltage, phase and duty
- service and panel capacity
- design current
- route and wiring method
- conductor corrections and voltage drop
- protection, grounding, bonding and permit needs.

Numbered technical workflow

- 1. Define the new load.** Obtain equipment nameplate, voltage, phase, frequency, full-load current, duty cycle and manufacturer circuit instructions. Classify heating, motor, EV, appliance or general load so Sections 8 and the relevant equipment section are applied correctly.
- 2. Complete the capacity calculation.** Add the proposed load to the existing service and panel demand using the applicable Section 8 method. Check continuous loading, largest motor or heating demand, panel bus and feeder capacity, spare spaces and load-management options before accepting the circuit.
- 3. Complete the conductor-selection chain.** Determine design current; select copper or aluminum, insulation and temperature rating; apply ampacity, bundling and ambient corrections; check voltage drop; then verify termination ratings, conductor count, raceway or cable fill and physical protection under Sections 4 and 12.
- 4. Coordinate protection and connection.** Select breaker or fuse, GFCI/AFCI protection, disconnect and bonding path for the equipment and conductor ampacity under Sections 10 and 14. Confirm panel compatibility, interrupting rating and manufacturer limitations; a larger breaker is never used to compensate for an undersized conductor.
- 5. Route, test and document.** Confirm permit need, establish an accessible route, protect penetrations, support cable or raceway, terminate and torque, label both ends, perform electrical and functional tests and record assumptions that would change the quotation.

5. New Electrical Circuits — Decisions and deliverables

Calculations and design decisions

Design current is established from nameplate load, voltage, phase, duty and continuous-load treatment. Service and panel capacity, ampacity corrections, voltage drop, route, wiring method, protection, grounding and bonding then form one coordinated design.

A new equipment circuit is not selected from the appliance name alone. Nameplate data, duty, service demand, conductor ampacity, correction factors, voltage drop, wiring method and protection compatibility must be considered together.

Verified equipment and site data control the final calculation.

What your investment covers

Nameplate review • load and capacity calculation • conductor and wiring-method design • protection coordination • permit planning • installation, testing and labelling.

The customer is paying for a circuit that is coordinated with the equipment and property, not simply for cable and a breaker.

What you may receive

Load and circuit-design summary • quotation scope • permit status • circuit labels • applicable commissioning results.

Pricing pathway

New circuit starting points: \$650 for 15A/20A, \$850 for 20A/30A 240V, or \$1,100 for 40A/50A 240V, each based on an accessible route up to 30 ft. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the stated circuit rating, an accessible route within the published distance and no service, panel or concealed-condition deficiency.

Exclusions and conditions affecting price

Load size, conductor length, route, finished construction, panel capacity, correction factors, voltage drop, physical protection and permit needs affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 4, 8, 12 and 14; Sections 10, 26, 28, 62, 68 or 86 according to the load
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

6. Panel Replacement and Upgrades



Customer summary

An outdated, damaged or full panel may limit repairs and future plans. You receive a solution based on capacity and site conditions, not guesswork. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: An outdated, damaged or full panel may limit repairs and future plans.

How GoRight helps: We review the service, calculated demand, panel condition and proposed loads before recommending work.

The outcome: You receive a solution based on capacity and site conditions, not guesswork.

6. Panel Replacement and Upgrades — Evaluation and workflow

What GoRight evaluates

- Premises demand and planned loads
- service, feeder, bus and main ratings
- spaces and compatible devices
- fault-duty information
- neutral, grounding and bonding
- outage, inspection and future-capacity needs.

Numbered technical workflow

- 1. Document the existing system.** Record service rating, panel/bus rating, main device, feeder conductors, grounding and bonding, circuit count, equipment condition and available fault information. Identify obsolete, damaged or incompatible components without assuming that replacement alone corrects branch-circuit defects.
- 2. Calculate present and planned demand.** Use the applicable Section 8 dwelling or occupancy method, including heating, cooling, EV charging, ranges, water heating, motors and other major loads. Compare calculated demand with service, feeder, bus and main-device ratings and consider approved load management.
- 3. Engineer the conductor and equipment match.** Select panel, main device, feeder conductors, neutral and bonding components using Sections 4, 6, 10, 12 and 14. Check conductor material, termination temperature, ampacity corrections, voltage drop, enclosure rating and available interrupting capacity.
- 4. Coordinate circuit protection.** Verify every transferred breaker is approved for the new panel and appropriate for the conductor and load. Review AFCI/GFCI requirements, shared neutrals, handle ties, surge-protection considerations, circuit identification and selective coordination where the installation requires it.
- 5. Plan outage, permit and verification.** Coordinate permit/inspection and utility involvement where applicable, define outage and temporary-power limitations, replace and torque equipment, verify grounding/bonding and circuit operation, label the directory and document deficiencies not included in the written scope.

6. Panel Replacement and Upgrades — Decisions and deliverables

Calculations and design decisions

A complete premises-demand calculation may be required. Bus, feeder, service and main-device ratings are compared with existing and planned loads, while available fault duty, breaker compatibility, neutral configuration and future capacity are reviewed.

A larger panel does not automatically create more electrical capacity. The property demand, service conductors, main equipment, planned loads and available fault-duty information must be reviewed together.

Verified equipment and site data control the final calculation.

What your investment covers

Premises-demand calculation • equipment and fault-duty review • outage planning • compatible panel and breaker selection • permit coordination • circuit identification and testing.

Demand, compatibility and fault-duty review reduce the risk of purchasing equipment that does not create the intended capacity or protection.

What you may receive

Demand-calculation summary • panel/equipment schedule • permit and outage status • updated circuit directory • deficiency list.

Pricing pathway

Panel starting points: \$2,450 for a 100A same-capacity replacement, \$2,950 for a 200A same-capacity replacement, or \$3,150 for a standard fuse-to-breaker conversion. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the stated panel capacity, ordinary replacement conditions, compatible service equipment and no major correction outside the written panel scope.

Exclusions and conditions affecting price

Demand findings, service limitations, breaker compatibility, circuit condition, fault-duty information, outage requirements and grounding or bonding deficiencies affect scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 6, 8 and 14; Sections 4, 10, 12 and 26
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.

Source	How it controls the work
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

7. Electrical Service Upgrades



Customer summary

EV charging, electric heating or renovations may require more capacity. This creates a clearer path from the existing service to the planned load. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: EV charging, electric heating or renovations may require more capacity.

How GoRight helps: We plan the electrical scope and coordinate applicable permitting, inspection and utility requirements.

The outcome: This creates a clearer path from the existing service to the planned load.

7. Electrical Service Upgrades — Evaluation and workflow

What GoRight evaluates

- Whole-property demand
- major loads
- service conductors, metering and main equipment
- service location
- grounding and bonding
- utility standards
- outage, reconnection, permit and inspection responsibilities.

Numbered technical workflow

- 1. Establish the service objective.** Confirm present and proposed service capacity, supply configuration, overhead or underground conditions, meter location, service entrance, panel arrangement and planned major loads. Obtain NB Power requirements before fixing the route or equipment arrangement.
- 2. Perform the service load calculation.** Apply the appropriate Section 8 calculation to the complete premises, including space heating, water heating, ranges, dryers, EV charging, motors, suites and future loads. Test load-management alternatives before concluding that a capacity increase is required.
- 3. Select the complete service chain.** Coordinate service box, meter equipment, panelboard, service conductors, neutral, grounding electrode conductor and bonding under Sections 4, 6, 10, 12 and 14. Verify ampacity, temperature ratings, corrections, voltage drop, mechanical protection and fault-duty ratings.
- 4. Coordinate protection and utility interfaces.** Confirm main overcurrent rating, panel bus, interrupting capacity, bonding point, surge considerations, clearances and disconnecting arrangement. Separate customer, utility and other-trade work so mast, trench, structural, meter and restoration responsibilities are explicit.
- 5. Execute through controlled milestones.** Obtain permit and utility approvals, coordinate outage and reconnection, install and torque equipment, complete grounding/bonding and circuit verification, support inspection, label the service and provide recommendations for any branch-circuit deficiency outside scope.

7. Electrical Service Upgrades — Decisions and deliverables

Calculations and design decisions

Whole-property demand, service conductors, meter equipment, main equipment and planned loads are evaluated as one system. Utility requirements, grounding, bonding, service location and outage sequencing influence the selected upgrade.

A service upgrade begins with the premises-demand calculation and utility requirements—not with choosing a larger main breaker. The service conductors, meter equipment, grounding, bonding and distribution must operate as one coordinated system.

Verified equipment and site data control the final calculation.

What your investment covers

Whole-property demand calculation • utility coordination • service-equipment and conductor design • grounding and bonding • outage/reconnection planning • inspection support.

The value lies in coordinating the entire service path so customer, contractor, inspector and utility responsibilities are clear before interruption of supply.

What you may receive

Premises-demand summary • utility/permit status • service-equipment scope • test and inspection status • future-capacity recommendation.

Pricing pathway

A standard 100A-to-200A overhead service upgrade starts at \$5,750 under the workbook scope assumptions. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes a standard overhead 100 A to 200 A configuration under the workbook scope; utility, site and existing-service conditions must be confirmed.

Exclusions and conditions affecting price

Utility standards, meter and mast work, service location, conductor route, excavation, outage coordination, grounding, permits and work by others affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 6 and 8; Sections 4, 10, 12 and 14
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

8. EV Charger Installation



Customer summary

The charger must match the vehicle, panel and installation location. The installation plan reflects both charging needs and available electrical capacity. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: The charger must match the vehicle, panel and installation location.

How GoRight helps: We assess equipment specifications, service capacity, circuit requirements, mounting and cable routing; load management may be considered.

The outcome: The installation plan reflects both charging needs and available electrical capacity.

8. EV Charger Installation — Evaluation and workflow

What GoRight evaluates

- EVSE maximum current and settings
- continuous-load treatment
- service, feeder and panel capacity
- energy management
- route, voltage drop and environment
- protection, disconnecting and commissioning.

Numbered technical workflow

- 1. Match the charging system.** Record EVSE nameplate input, voltage, maximum continuous current, connector arrangement, indoor/outdoor rating, cable-management needs and vehicle charging objective. Apply Section 86 with Sections 4, 8, 10, 12 and 14 and the manufacturer instructions.
- 2. Calculate service and feeder capacity.** Treat charging as a continuous load and incorporate it into the applicable Section 8 demand calculation. Compare service, feeder, panel bus and main-device capacity; evaluate approved EV energy-management equipment when capacity is constrained.
- 3. Size the dedicated circuit.** Derive minimum circuit ampacity from the EVSE rating, then select conductor material, insulation, temperature column and wiring method. Apply bundling/ambient corrections, voltage-drop review, raceway fill, termination limits and physical protection for the complete route.
- 4. Coordinate protection and disconnection.** Select a panel-compatible overcurrent device and verify EVSE ground-fault functions, required receptacle GFCI protection, disconnecting means, bonding, enclosure and wet-location requirements. Confirm that receptacle and plug ratings match where equipment is cord connected.
- 5. Commission and explain.** Obtain permit where required, install and torque the circuit and EVSE, label equipment, verify supply and functional operation, configure approved current limits or load management and explain that future panel or vehicle changes require reassessment.

8. EV Charger Installation — Decisions and deliverables

Calculations and design decisions

The EVSE maximum continuous current is applied to service demand and circuit design. Energy management, conductor corrections, voltage drop, environmental exposure, protective functions and commissioned current settings can change the final solution.

A 48 A continuous EV charging load does not automatically mean selecting only a 48 A conductor and breaker. Continuous-load treatment, service demand, ampacity, terminations, correction factors, voltage drop and protection compatibility all affect the final design.

Verified equipment and site data control the final calculation.

What your investment covers

EVSE and service-capacity review • continuous-load and energy-management analysis • circuit design • permit coordination • installation, configuration and commissioning.

The analysis can avoid an unsuitable charger circuit or unnecessary service work while confirming dependable charging within available capacity.

What you may receive

EVSE/load review • energy-management recommendation if applicable • quotation • permit status • commissioning information.

Pricing pathway

Customer-supplied EV charger installation starts at \$1,250 up to 15 ft, \$1,850 up to 40 ft, or \$2,450 from 41-75 ft. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes a customer-supplied compatible charger, the published route distance, ordinary access and adequate capacity or an approved separately priced management solution.

Exclusions and conditions affecting price

EVSE rating, service capacity, energy management, distance, routing, finished walls, outdoor exposure, mounting, communication setup and commissioning affect scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 86; Sections 4, 8, 10, 12, 14 and 26
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

9. Baseboard Heater and Thermostat Service



Customer summary

A heater does not operate, overheats the room or responds poorly to the thermostat. The cause can be identified before unsuitable parts or work are recommended. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A heater does not operate, overheats the room or responds poorly to the thermostat.

How GoRight helps: We assess supply voltage, thermostat compatibility and configuration, wiring, heater condition and control operation.

The outcome: The cause can be identified before unsuitable parts or work are recommended.

9. Baseboard Heater and Thermostat Service — Evaluation and workflow

What GoRight evaluates

- Total heater wattage, rated voltage and current
- thermostat type and capacity
- control arrangement
- circuit and service-demand effects
- conductor/protection coordination
- condition and clearances.

Numbered technical workflow

- 1. Identify the heating/control arrangement.** Confirm heater wattage, voltage, circuit, room heat-loss objective, thermostat type and whether the control is single-pole, double-pole, electronic or contactor based. Apply Section 62 with Sections 4, 8, 12 and 14 and manufacturer instructions.
- 2. Calculate connected heating load.** Total all heaters controlled together, convert wattage to current and apply required continuous-loading limits. Compare thermostat, conductor and breaker ratings; check whether the dwelling service calculation and panel capacity support additions or higher-output replacements.
- 3. Verify circuit integrity and compatibility.** Check supply voltage, conductor size/material, grounding/bonding, accessible terminations and heater continuity. Confirm thermostat pole arrangement, minimum/maximum load and electronic-control neutral needs before replacing a control.
- 4. Select conductors and protection.** Use the verified load, temperature and wiring method to confirm ampacity, corrections and voltage drop; coordinate breaker, disconnecting function, box capacity and heater clearances. Do not increase breaker size to solve thermostat or heater overloading.
- 5. Test heat safely.** After authorized repair or installation, torque connections, restore covers, verify thermostat switching and heater operation, check for abnormal heating at accessible points, label changed circuits and recommend load balancing or service review where capacity is limited.

9. Baseboard Heater and Thermostat Service — Decisions and deliverables

Calculations and design decisions

Total connected heater wattage is converted to circuit current at the verified voltage. The thermostat or contactor rating, continuous loading, service-demand effect, conductor protection and control configuration must remain compatible.

A group of heaters must be evaluated by total connected wattage, supply voltage, thermostat capacity, circuit loading and the effect on the property's demand. Replacing a thermostat without confirming the controlled load can result in an unsuitable control.

Verified equipment and site data control the final calculation.

What your investment covers

Heater and thermostat load calculation • voltage and compatibility checks • conductor/protection review • safe replacement • functional and temperature-related verification.

Load and control verification helps avoid an underrated thermostat, overloaded circuit or replacement that does not address the operating concern.

What you may receive

Connected-wattage and control summary • compatibility recommendation • test result • identified circuit or capacity concern.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

Heater quantity and wattage, supply voltage, thermostat type, existing wiring, circuit capacity, damaged equipment and control changes affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 62; Sections 4, 8, 12 and 14
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.

Source	How it controls the work
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

10. Generator Connections and Transfer Equipment



Customer summary

Backup power must never create an unsafe connection to the utility supply. Proper source isolation is central to the installation; improvised backfeeding is not acceptable. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Backup power must never create an unsafe connection to the utility supply.

How GoRight helps: We install or assess approved inlet and transfer equipment and selected standby-generator connections.

The outcome: Proper source isolation is central to the installation; improvised backfeeding is not acceptable.

10. Generator Connections and Transfer Equipment — Evaluation and workflow

What GoRight evaluates

- Essential loads
- running and motor-starting demand
- generator, inlet and transfer ratings
- load sequencing or shedding
- neutral treatment
- source isolation, grounding, bonding and operating limits.

Numbered technical workflow

- 1. Define the backup-power loads.** List selected circuits, running watts or volt-amperes, motor starting current, essential-load sequence, generator voltage/phase and neutral configuration. Apply Section 46 with Sections 4, 8, 10, 12 and 14 and generator/transfer-equipment instructions.
- 2. Calculate generator and transfer capacity.** Sum realistic simultaneous loads, account for motor starting and continuous duty, and compare generator output, inlet, cord, feeder and transfer-equipment ratings. Identify loads that must be shed or sequenced rather than promising whole-building operation.
- 3. Design source isolation and neutral treatment.** Select approved transfer or interlock equipment that prevents utility backfeed. Determine switched or solid neutral requirements from the system arrangement; coordinate bonding and grounding so objectionable parallel neutral current is not created.
- 4. Select conductors and protection.** Match inlet/feeder conductors, wiring method, ampacity corrections, voltage drop, overcurrent device, enclosure and environmental ratings. Verify panel compatibility, fault rating, mechanical protection and required labelling at normal and alternate sources.
- 5. Commission under controlled conditions.** Obtain permit where required, install and torque equipment, verify mechanical interlock/transfer sequence, polarity, voltage and selected-load operation, label operating steps and limitations, and state that improvised backfeeding connections are never acceptable.

10. Generator Connections and Transfer Equipment — Decisions and deliverables

Calculations and design decisions

Generator selection considers running load, motor-starting demand, sequencing and possible load shedding. Transfer rating, source isolation, neutral treatment, grounding, bonding and commissioning confirm that generator and utility sources cannot be interconnected improperly.

Generator capacity must consider running load and motor-starting demand. Selected loads may need sequencing or shedding, and the transfer arrangement must prevent connection between generator and utility supplies.

Verified equipment and site data control the final calculation.

What your investment covers

Essential-load planning • running and starting-load review • transfer and neutral design • source-isolation protection • permit coordination • commissioning and operating limitations.

The design work protects against unsafe backfeed and helps the selected generator serve the intended loads within its operating limits.

What you may receive

Selected-load schedule • generator/transfer recommendation • permit status • commissioning result • operating limitations.

Pricing pathway

Generator electrical starting points: \$1,850 inlet/interlock, \$2,750 manual transfer panel, or \$6,500 for the electrical portion of a standby system. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the selected configuration and ordinary access; generator supply, gas work, concrete, restoration and non-electrical work are excluded unless written.

Exclusions and conditions affecting price

Selected loads, generator rating, transfer method, neutral treatment, distance, inlet location, load management, existing service condition and commissioning affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 46; Sections 4, 8, 10, 12 and 14
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

11. Hot Tub Spa and Pool Electrical Work



Customer summary

Water-related equipment requires careful attention to shock protection and location. The project is planned around equipment and inspection requirements. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Water-related equipment requires careful attention to shock protection and location.

How GoRight helps: We assess dedicated circuits, disconnects, GFCI protection, bonding, equipment data, clearances and exposure.

The outcome: The project is planned around equipment and inspection requirements.

11. Hot Tub Spa and Pool Electrical Work — Evaluation and workflow

What GoRight evaluates

- Pump, heater, lighting and accessory loads
- starting current
- circuits and disconnects
- wet-location and underground methods
- DDFT/GFCI coordination
- grounding, equipotential bonding, corrosion and clearances.

Numbered technical workflow

- 1. Map the water-related installation.** Obtain spa/pool equipment data and locate water boundaries, pumps, heaters, lights, controls, disconnects, underground routes and conductive parts. Apply Section 68 with Sections 4, 10, 12 and 14, Regulation 84-165 and manufacturer instructions.
- 2. Calculate every equipment load.** Use nameplates for pump full-load current, heater kW, controls, lights and accessories; account for continuous duty and motor starting. Check service/panel capacity and size each dedicated branch circuit or feeder for the complete connected arrangement.
- 3. Complete the conductor and route design.** Select wet-location and underground wiring methods, conductor insulation, ampacity, corrections, voltage drop, burial/mechanical protection, raceway fill and terminations. Maintain required separation and placement; the final route depends on verified site dimensions.
- 4. Coordinate shock protection and bonding.** Design GFCI protection, disconnects, equipment grounding and equipotential bonding for the specific spa or pool. Verify bonding of applicable conductive parts and equipment and ensure devices/enclosures suit moisture, corrosion and exposure.
- 5. Inspect, test and document.** Obtain the required permit/inspection pathway, verify bonding continuity, polarity, GFCI operation and equipment functions, label disconnects and circuits, document visible conditions and recommend correction when pool construction or equipment changes invalidate the planned scope.

11. Hot Tub Spa and Pool Electrical Work — Decisions and deliverables

Calculations and design decisions

Pump, heater, lighting and accessory loads are combined with motor-starting effects. Dedicated circuits, DDFT/GFCI coordination, disconnecting, wet-location methods, equipment grounding, equipotential bonding and environmental exposure are reviewed together.

Pool and spa work is not limited to supplying power. Shock protection, disconnecting, wiring methods, equipment grounding, equipotential bonding, location and environmental exposure must be considered together.

Verified equipment and site data control the final calculation.

What your investment covers

Equipment-load review • wet-location routing • shock-protection design • grounding and equipotential bonding • permit/inspection coordination • testing and documentation.

The customer is paying for coordinated shock protection around water, where circuit design, bonding, location and equipment requirements must work together.

What you may receive

Equipment-load summary • bonding/protection scope • permit/inspection status • test results • conditions requiring further investigation.

Pricing pathway

Hot-tub and pool starting points: \$2,650 standard hot tub, \$1,650 above-ground pool package, or \$3,250 in-ground pool package. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the stated equipment type and ordinary access; distance, trenching, bonding conditions, landscaping and manufacturer requirements must be verified.

Exclusions and conditions affecting price

Equipment ratings, water-edge clearances, trenching, underground distance, corrosion, bonding conditions, landscaping restoration and inspection findings affect scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 68; Sections 4, 8, 10, 12, 14 and 28
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

12. Renovation and Addition Electrical Work



Customer summary

A kitchen, bathroom, basement or addition can expose new electrical needs. Clear planning helps the electrical work align with the renovation. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A kitchen, bathroom, basement or addition can expose new electrical needs.

How GoRight helps: We coordinate wiring, receptacles, lighting, alarms, appliance circuits and panel changes within a defined scope.

The outcome: Clear planning helps the electrical work align with the renovation.

12. Renovation and Addition Electrical Work — Evaluation and workflow

What GoRight evaluates

- Room-by-room requirements
- appliances, lighting, controls, heating and alarms
- required circuits
- revised demand
- panel capacity and balancing
- concealed routes, trade coordination and inspections.

Numbered technical workflow

- 1. Create the electrical design brief.** Review plans, room uses, appliance and equipment schedules, lighting/controls, heating, alarms and future needs. Separate existing conditions from new work and apply the occupancy requirements across Sections 8, 12, 14, 26, 30 and other applicable sections.
- 2. Recalculate service, feeder and panel demand.** Include all removed, retained and added loads; apply appropriate demand factors and continuous-load treatment. Check panel spaces, bus capacity, feeder/service ratings, load balance and whether load management or a service upgrade is justified.
- 3. Develop the circuit schedule.** Assign required and dedicated circuits; calculate each load; select conductor, wiring method and route; apply ampacity, correction, voltage-drop, box/raceway-fill and physical-protection checks. Coordinate appliance, HVAC, plumbing and cabinetry clearances with other trades.
- 4. Coordinate protection and life safety.** Select breakers/fuses, AFCI/GFCI protection, disconnects, bonding and grounding; coordinate smoke/CO alarm supply and interconnection, bathroom/kitchen/exterior requirements and approved equipment instructions. Define permit, inspection and concealed-work milestones.
- 5. Build and verify by phase.** Rough-in only from approved scope, record concealed routes, support inspection, complete finishes and terminations, torque and label panels, test devices and protection, deliver circuit information and manage customer or site changes through written authorization.

12. Renovation and Addition Electrical Work — Decisions and deliverables

Calculations and design decisions

A room-by-room circuit and equipment schedule is used to revise whole-property demand. Panel capacity, load balancing, concealed routes, inspection stages and coordination with other trades shape the final design and price.

Adding several renovation circuits can change the whole-property demand even when each circuit is individually small. The room plan, appliance schedule, heating, EV charging and future loads must be reviewed together.

Verified equipment and site data control the final calculation.

What your investment covers

Room-by-room electrical design • revised property demand • circuit schedule • other-trade coordination • staged inspection support • testing, labelling and records.

Planning before rough-in reduces conflicts, rework and missed circuits while keeping the renovation, inspections and future use aligned.

What you may receive

Room-by-room circuit schedule • revised demand summary • quotation scope • inspection milestones • updated directory and project notes.

Pricing pathway

Renovation starting points: \$7/sq. ft. open wall, \$8.50/sq. ft. typical documented work, or \$10.50/sq. ft. finished wall. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Square-foot starting points depend on the stated wall-access category, documented plans and ordinary residential scope; equipment and finish conditions can change the amount.

Exclusions and conditions affecting price

Final plans, appliance selections, wall access, service capacity, other-trade scheduling, change orders, inspection findings and finish restoration affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 8, 12, 14, 26 and 30; Sections 6, 10, 28, 32, 62, 68 and 86 as applicable
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

13. Commercial Service and Tenant Improvements



Customer summary

A small business may need repairs or changes without unnecessary disruption. The work is planned for the intended space and equipment. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: A small business may need repairs or changes without unnecessary disruption.

How GoRight helps: We assess troubleshooting, lighting, receptacles, equipment connections and dedicated circuits against occupancy and system conditions.

The outcome: The work is planned for the intended space and equipment.

13. Commercial Service and Tenant Improvements — Evaluation and workflow

What GoRight evaluates

- Occupancy and base-building responsibilities
- connected and demand loads
- HVAC, motors and equipment
- phase and neutral loading
- harmonics
- fault current and interrupting ratings
- shutdown, permit, plan and engineering needs.

Numbered technical workflow

- 1. Define occupancy and operational needs.** Confirm tenant use, equipment, hours, critical loads, lighting levels, controls, accessibility, shutdown limits and landlord/base-building responsibilities. Determine whether drawings, plan approval, engineering or coordination with fire-alarm/data systems is required.
- 2. Calculate premises demand.** Develop connected and demand loads under Section 8, including HVAC, motors, commercial cooking, signs, receptacles, lighting and future equipment. Verify service, feeder, transformer and panel capacity, phase balance, neutral loading and available fault-current information.
- 3. Engineer feeders and branch circuits.** Select conductor material, insulation, temperature rating, ampacity, derating, voltage drop, raceway/cable fill, supports and environment under Sections 4 and 12. Coordinate motor/equipment rules, disconnects and manufacturer nameplates for each load.
- 4. Coordinate protection and distribution.** Check breaker/fuse compatibility, interrupting ratings, ground-fault requirements, selective coordination where applicable, bonding/grounding, emergency-system interfaces and panel directories. Planned shutdowns and energized-work boundaries must follow workplace safety requirements.
- 5. Deliver verifiable tenant work.** Obtain permits/plan approvals where required, coordinate trades and outages, install and identify circuits, test functional and protective operation, update schedules or as-built information within scope and list base-building deficiencies separately.

13. Commercial Service and Tenant Improvements — Decisions and deliverables

Calculations and design decisions

Connected and demand loads are separated, then phase balance, neutral loading, motors, HVAC and harmonics are considered. Available fault current, interrupting ratings, distribution capacity, shutdown needs and engineering requirements can govern the work.

Commercial capacity is not determined by adding nameplate amperes alone. Demand factors, phase balance, neutral loading, motor starting, fault current and protective-device ratings may affect the design.

Verified equipment and site data control the final calculation.

What your investment covers

Occupancy and equipment review • demand and phase analysis • feeder/branch design • fault-duty and protection coordination • shutdown planning • permit or plan-approval support.

Commercial analysis protects continuity and equipment by coordinating loading, shutdowns, fault duty and responsibilities before work affects the occupied space.

What you may receive

Load and distribution summary • shutdown plan • quotation • permit/plan-approval status • test records and deficiency list.

Pricing pathway

Preliminary tenant-improvement starting points range from \$6/sq. ft. for warehouse work to \$13.50/sq. ft. for restaurant work, depending on occupancy and scope. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

The range depends on occupancy, equipment schedule, base-building conditions and defined tenant scope; engineering and shutdown requirements are separate unless written.

Exclusions and conditions affecting price

Occupancy, base-building conditions, equipment schedules, shutdown restrictions, fault-current data, engineering, access, phasing and tenant changes affect scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 8, 12 and 14; Sections 4, 6, 10, 26, 28, 30, 32 and 46 as applicable
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence

Source	How it controls the work
	the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

14. Smoke and Carbon Monoxide Alarms



Customer summary

Old, incompatible or poorly located alarms may not support the intended protection. This service does not replace an official fire-code inspection. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Old, incompatible or poorly located alarms may not support the intended protection.

How GoRight helps: We review device age, location, power source, interconnection and compatibility, then install suitable equipment.

The outcome: This service does not replace an official fire-code inspection.

14. Smoke and Carbon Monoxide Alarms — Evaluation and workflow

What GoRight evaluates

- Required locations
- power source, interconnection and backup
- age and compatibility
- branch circuit
- testing and replacement information
- limits relative to an official fire-code inspection.

Numbered technical workflow

- 1. Establish the alarm requirement.** Identify dwelling type, renovation scope, fuel-burning appliances, bedrooms, storeys and existing alarm arrangement. Review Section 32, applicable building/fire requirements and manufacturer instructions; this service does not replace an official fire-code inspection.
- 2. Verify supply and interconnection.** Identify branch circuit, voltage, conductor condition, bonding path, interconnect conductor or listed wireless method and backup-battery arrangement. Confirm compatibility before mixing models, ages or communication methods.
- 3. Review loading and circuit protection.** Confirm that added alarm load is acceptable for the circuit and that conductor, breaker and required AFCI protection remain coordinated. Evaluate circuit alterations under Sections 12, 14 and 26 and the adopted installation requirements.
- 4. Select locations and equipment.** Recommend listed smoke, CO or combination devices suited to the occupancy, power source and interconnection method. Respect spacing, environmental limitations and replacement dates stated by applicable requirements and manufacturer instructions.
- 5. Install, test and hand over.** After authorization, mount and connect devices, restore barriers, test local alarm, interconnection and backup function, label or record replacement information and explain routine user testing while referring code-compliance determinations to the appropriate authority.

14. Smoke and Carbon Monoxide Alarms — Decisions and deliverables

Calculations and design decisions

Required locations, power source, interconnection, backup supply, device compatibility and equipment age determine the alarm scope. Circuit conditions and functional testing establish what can be verified within the authorized work.

What your investment covers

Location and compatibility review • supply/interconnection verification • device installation • local, interconnected and backup testing • replacement information.

The value is a compatible, tested alarm arrangement with clearly stated limits, rather than device replacement alone.

What you may receive

Location and compatibility review • device record • interconnection/backup test result • replacement-date information.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

Device quantity, locations, existing interconnection, circuit access, compatible replacements, ceiling height and deficiencies outside the authorized work affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Section 32; Sections 12, 14 and 26; applicable building and fire requirements
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

15. Electrical Safety Assessment



Customer summary

You may be concerned about visible damage, renovations or recurring electrical behaviour. It is not a statutory inspection, certification or guarantee about concealed conditions. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: You may be concerned about visible damage, renovations or recurring electrical behaviour.

How GoRight helps: We conduct a focused review of visible and accessible components and recommend follow-up where appropriate.

The outcome: It is not a statutory inspection, certification or guarantee about concealed conditions.

15. Electrical Safety Assessment — Evaluation and workflow

What GoRight evaluates

- Agreed boundaries
- visible and accessible service, panel and circuit conditions
- capacity indicators
- grounding, bonding and protection
- identification
- included instrument tests
- concealed-condition limitations.

Numbered technical workflow

- 1. Define the assessment boundary.** Record the customer concern, property use, renovation history and visible symptoms; state which rooms, panels and accessible equipment are included. The review is not a statutory inspection, destructive investigation or certification of concealed wiring.
- 2. Review service and demand indicators.** Record service/panel ratings and visible major loads; perform a screening or formal Section 8 calculation only when included. Flag apparent capacity conflicts, overcrowding, heat damage or incompatible equipment for project-specific verification.
- 3. Check visible circuit integrity.** Examine accessible wiring methods, enclosures, devices, grounding/bonding, circuit identification and protective devices against Sections 2, 10, 12, 14 and 26. Instrument testing is limited to the agreed scope and cannot prove concealed conditions defect free.
- 4. Prioritize protection and connection risks.** Review visible GFCI/AFCI coverage, overcurrent-to-conductor coordination, equipment disconnects, environmental ratings and accessible terminations. Classify recommendations as immediate safety referral, corrective work, further investigation or planned improvement without overstating certainty.
- 5. Deliver an evidence-based report.** Document observations, locations, photographs where authorized, limitations and recommended next steps. Separate maintenance, Code-triggered alteration, optional upgrade and authority/engineering referral so the customer can make an informed decision.

15. Electrical Safety Assessment — Decisions and deliverables

Calculations and design decisions

The calculation and testing depth follows the agreed assessment boundary. Capacity indicators, protective-device ratings, grounding, bonding and circuit identification are evaluated without treating visible conditions as proof of concealed wiring.

What your investment covers

Defined assessment boundary • visible-condition review • agreed instrument testing • prioritized findings • limitations and recommended next steps.

A defined assessment converts broad concern into prioritized findings while making clear what was observed, tested and excluded.

What you may receive

Written findings • photographs where authorized • prioritized deficiency list • limitations • maintenance and capacity recommendations.

Pricing pathway

Pricing is based on diagnostic time or a detailed estimate of verified scope. Materials, permits, travel and special equipment are additional unless included in writing.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Exclusions and conditions affecting price

Property size, agreed boundaries, number of panels and circuits, access, testing requested, documentation depth and follow-up investigation affect price.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 2, 10, 12, 14 and 26; Sections 4, 6 and 8 where included in the assessment
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval. Request a quotation or discuss this project with GoRight.

16. Appliance and Equipment Connections



Customer summary

Fixed equipment needs more than a plug when ratings and disconnects must be verified. The connection is assessed against the actual equipment requirements. You do not need to diagnose the problem; we define the next step from verified conditions.

Approved service description

The concern: Fixed equipment needs more than a plug when ratings and disconnects must be verified.

How GoRight helps: We review nameplates, circuit capacity, connection methods and disconnecting means for compatible equipment.

The outcome: The connection is assessed against the actual equipment requirements.

16. Appliance and Equipment Connections — Evaluation and workflow

What GoRight evaluates

- Nameplate voltage, phase, frequency, current, wattage and horsepower
- minimum circuit ampacity and maximum protection
- disconnecting, controls, grounding, bonding, manufacturer and other-trade responsibilities.

Numbered technical workflow

- 1. Read the equipment requirements.** Record nameplate voltage, phase, frequency, current, wattage, motor horsepower, minimum circuit ampacity, maximum overcurrent protection, duty and manufacturer instructions. Determine whether the equipment is fixed, cord connected or separately controlled.
- 2. Calculate supply capacity.** Convert nameplate data where needed, account for continuous duty, heating or motor starting and add the load to the applicable Section 8 calculation. Confirm service, feeder, panel bus and branch-circuit capacity before reusing or adding a connection.
- 3. Complete the conductor-selection chain.** Establish design current; choose conductor material, insulation, temperature rating and wiring method; apply ampacity and correction factors; check voltage drop, raceway/cable fill, flexible connection needs, termination ratings and environmental protection.
- 4. Coordinate protection and disconnecting.** Select breaker/fuse within equipment and conductor limits, motor/heater protection where applicable, GFCI/AFCI protection, disconnect location and rating, grounding/bonding and control wiring. Sections 14, 26, 28 or 62 apply according to equipment type.
- 5. Connect, test and document.** Verify permit requirement, isolate and prove the circuit, complete approved terminations and strain relief, torque, label, test electrical and functional operation and record any manufacturer commissioning or other-trade work excluded from GoRight's scope.

16. Appliance and Equipment Connections — Decisions and deliverables

Calculations and design decisions

Nameplate voltage, phase, frequency, current, wattage, horsepower, minimum circuit ampacity and maximum protection are reconciled with available capacity. Motor starting, disconnecting, control wiring, grounding, bonding and other-trade commissioning may govern the connection.

A motor circuit is not designed from running current alone. Starting current, conductor requirements, short-circuit protection, overload protection, disconnecting and voltage drop during starting may all affect the final design.

Verified equipment and site data control the final calculation.

What your investment covers

Nameplate interpretation • capacity and conductor design • equipment-specific protection and disconnecting • permitted connection • functional testing and documentation.

The review protects the connected equipment and electrical system by aligning the circuit, protection, controls and commissioning responsibilities.

What you may receive

Nameplate/circuit review • connection scope • protection recommendation • permit status • commissioning information and exclusions.

Pricing pathway

Equipment-circuit starting points: \$650 for 120V 15A/20A, \$895 for 240V 20A/30A, or \$1,250 for 40A/50A, based on an accessible route up to 30 ft. Before HST; estimating starting point only.

A binding quotation requires verification of site, scope, materials, route, capacity, calculations, permit, utility and equipment data.

Assumes the stated circuit rating, an accessible route within 30 ft and compatible equipment; controls, disconnecting and other-trade work may be additional.

Exclusions and conditions affecting price

Equipment data, circuit availability, distance, disconnecting, controls, motor starting, manufacturer requirements, other-trade readiness and commissioning affect scope.

Items not included in the written quotation are excluded. Any discovered condition or additional work requires customer authorization.

Technical references

Source	How it controls the work
CEC design requirements	Sections 14 and 26; Sections 4, 8, 10, 12, 28 or 62 according to equipment type
NB permit and inspection	Permit classification, inspection stages and any plan approval depend on verified scope and Regulation 84-165.
NB Power or utility	Metering, service, outage, reconnection and supply conditions are coordinated when the project affects them.

Source	How it controls the work
Manufacturer and equipment	Approved markings, instructions, limitations, settings and compatible components influence the design.
Other requirements	Engineering, building, fire, accessibility, other-trade and authority requirements may apply.

Final Code rules, permit classification, inspection requirements and equipment requirements depend on the verified installation. These references are navigation aids and do not constitute project approval.

Request a quotation or discuss this project with GoRight.

Electrical safety and remote support

Immediate danger

If there is fire, smoke, sparking, electric shock, a burning odour or immediate danger, leave the unsafe area, avoid touching affected equipment and call 911 or the appropriate emergency service. Do not wait for an online response.

Remote support

Remote support may help GoRight review safe photographs, equipment information, project descriptions and available documents. It cannot confirm concealed conditions, replace required electrical measurements or inspections, authorize electrical work or guarantee a diagnosis. An on-site visit is required whenever physical verification, testing, equipment access, installation or repair is necessary.

- Take photographs only from a safe position.
- Do not remove a panel cover or open energized equipment.
- Do not touch damaged equipment or enter a hazardous area.

Request service or a quotation

1. Describe what you are experiencing or planning.
2. Provide safe photographs and equipment information.
3. GoRight determines whether remote review or an on-site visit is appropriate.
4. We assess accessible conditions.
5. We explain findings and options.
6. We define scope, inclusions, exclusions and assumptions.
7. You authorize the selected work.
8. GoRight completes the authorized work.
9. Testing, documentation and follow-up are provided as applicable.

Submitting a request does not confirm an appointment, establish a price, authorize work or create a service contract.

Optional HomeCare information

Customers may request information about approved GoRight HomeCare options supporting communication, electrical-safety awareness and property planning. An information request is not enrolment. Terms are governed by the signed agreement, and any membership offer applies to membership fees—not separately quoted electrical work.

Contact GoRight



Let's begin with the electrical concern or project that matters most to you.

- Request electrical service.
- Request a quotation.
- Ask GoRight to identify the appropriate service.
- Request the detailed scope for a project.
- Request optional HomeCare information.

GoRight Electrical Inc.

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Serving Saint John, Rothesay, Quispamsis and surrounding communities.