

COMMERCIAL ENERGY LOAN PROGRAM



Eligible Retrofit Measures and Supporting Technical Requirements Guide

Purpose of this Guide

This guide helps applicants, consultants, contractors, and energy professionals identify eligible retrofit measures and the supporting technical documentation typically required for the Commercial Energy Loan Program (CEL Program). It is intended to support project planning and application preparation. Final eligibility, financing approval, and documentation requirements are determined by the City of Saskatoon (City) through the application review process.

How to use this guide: Applicants and consultants should review the measure category that best matches the proposed project, confirm the eligible scope and minimum requirements, and use the application supporting documentation column to prepare quotes, specifications, assessments, and other records required for application review. If a project includes multiple measure types, documentation should be provided for each applicable category.

Start with the Documentation by Measure Type table to identify the relevant project category and typical application documents. Then use the detailed retrofit tables to confirm eligible scope, technical requirements, supporting documentation, and potential incentives. Projects with multiple measure types should use each applicable table section.

Note on requirements and recommended criteria: In this guide, **must** generally identifies requirements tied to regulations, codes, permits, or City approval. **Should** and minimum recommended performance criteria generally identify preferred technical benchmarks, such as ENERGY STAR, WaterSense, NRCAN, AHRI directories, or other recognized product certification databases, or alignment with SaskPower, SaskEnergy, or other utility incentive requirements where applicable.

Applicants should contact the Program Coach at BetterBuilding@saskatoon.ca or at [306-986-1658](tel:306-986-1658) before submitting if they are unsure which measure category applies or what documentation is required.

Important: Applicants do not need to review every section of this guide. Review only the measure category or categories that apply to the proposed project. If a project includes multiple measure types, provide documentation for each applicable category.

Documentation by Measure Type

Use this table to identify the section that best matches your proposed project and the application documents that are typically required.

Measure	Required Documents	Required Assessment
Energy Efficiency	Energy audit or equivalent, business case, contractor quote, equipment specifications.	ASHRAE Level II or equivalent, unless a lower-level assessment is approved for a simpler project.
Renewable Energy	Business case, contractor quote, system design.	Solar PV does not require an energy audit; solar thermal must be supported by an audit or equivalent.
Water Efficiency	Contractor quote, fixture or equipment specifications.	Included in the energy audit or equivalent where water-saving measures are recommended; additional documentation may be requested based on project scope.
Climate Resiliency	Resiliency risk assessment, business case, contractor quote, and supporting rationale as required.	Climate Resiliency risk assessment.
Other Eligible / Incidental Measures	Contractor quote, specifications, and supporting rationale as required	Depends on the primary measure.

Key Requirements

Before preparing an application, review the key requirements below to understand the main eligibility, assessment, documentation, and compliance expectations for CEL Program projects. These requirements help applicants and consultants prepare complete submissions.

- **Eligible categories:** Eligible measure categories are based on Schedule “A” of the Program bylaw and include energy efficiency, renewable energy, water efficiency, climate resiliency, and other/incidental measures.
- **Eligible property:** The property must be an existing eligible building within Saskatoon city limits; new construction is not eligible.
- **Energy assessment:** Energy and water efficiency and renewable energy projects must be supported by an ASHRAE Level II energy audit or equivalent, unless the Program approves a lower-level assessment for a simpler project. Solar PV projects do not require an energy audit but must still include a business case/proposal.
- **Resiliency risk assessment:** Climate resiliency projects must be supported by a [Climate Resiliency Risk Assessment](#) that identifies the climate-related risk being addressed and explains how the proposed measure reduces that risk.

- **Business case:** All projects must complete the [Business Case Form](#), identifying project scope, costs, expected savings or resilience benefits, timeline, quotes, and technical specifications.
- **Energy performance:** Energy projects must demonstrate a Savings-to-Investment Ratio (SIR) of at least 1 and support the Program's 20% energy reduction target per building, whether through one measure or a bundle of measures that may be completed in phases.
- **Financing terms:** Loan terms cannot exceed the approved retrofit's Effective Useful Life (EUL). EUL values in this guide are provided for planning and financing-term guidance and may be adjusted by the City based on project scope, equipment type, manufacturer documentation, or accepted industry references.
- **Qualified contractor:** All work must be completed by a qualified contractor.
- **Completion documentation:** After approved work is complete, applicants will generally be required to submit final invoices, before and after photos, a signed [Project Completion Certificate](#), and permit/inspection close-out where applicable.
- **Provincial construction codes:** Projects must comply with applicable provincial construction code requirements, including the National Building Code of Canada 2020, National Energy Code for Buildings 2020, National Plumbing Code 2020, and National Fire Code 2020 where applicable.
- **Permits and compliance:** Applicants are responsible for ensuring that all projects comply with applicable City bylaws, codes, permits, inspections, and approval requirements. Depending on project scope, this may include building, plumbing, electrical, gas, mechanical, fire, zoning, drainage, heritage, development, utility interconnection, boulevard, sidewalk, curb crossing, and other public property requirements. Program approval does not replace any required City permit, inspection, or regulatory approval.
- **Hazardous materials:** Projects that may disturb asbestos, mould, lead, or other hazardous materials must comply with applicable Saskatchewan occupational health and safety, hazardous material identification, notification, abatement, worker protection, and disposal requirements.
- **Technical requirements:** Program technical thresholds are intended to support consistent review and may be expressed in simplified terms for clarity. Applicants and consultants are responsible for confirming applicable code, design, and permitting requirements for the specific project.
- **External incentives:** Eligible retrofits may qualify for external incentives, rebates, or credits. Applicants should confirm current eligibility, intake status, requirements, caps, deadlines, and equipment lists directly with the provider before relying on any incentive. Incentive programs referenced in this guide include the [SaskPower Commercial Energy Optimization Program \(CEOP\)](#) and the [SaskEnergy Commercial Space and Water Heating Rebate](#).

Energy Efficiency

Measure	Technical Requirements	Application Supporting Documentation	Incentives
Air Sealing Air sealing reduces uncontrolled air leakage into and out of the building. EUL = 15 years	Eligible scope: Measures may include caulking, weatherstripping, door dock seals, air and vapour barriers, ceiling joist sealing, and other industry recognized methods for windows, outlets, doors, and similar leakage points.	Quote: contractor quote itemizing materials, locations, quantities, applicable R- or U-values and/or make/model information, and material and installation costs.	None identified at this time.
Insulation Upgrades Insulation helps reduce heat transfer into and out of the building. It can be added to the roof, walls, and other parts of the building envelope to lower heating and cooling energy use. EUL = 80-100 years (maximum loan term 20 years)	Eligible scope: Addition or replacement of insulation in roofs, attics, exterior walls, foundations, headers, rim joists, exposed floors, and other building envelope assemblies where the work improves effective thermal resistance. Minimum requirements and recommended performance criteria include: <u>Exterior walls:</u> Effective thermal resistance of RSI 3.5 (R-20) for the full wall assembly. <u>Ceiling below attic:</u> Effective thermal resistance of RSI 8.8 (R-50). <u>Flat roofs / cathedral roofs:</u> Effective thermal resistance of RSI 5.0 (R-28). Recommendation: Prioritize air sealing, continuous coverage, reduced thermal bridging, and appropriate ventilation and moisture control.	Quote: contractor quote itemizing insulation materials, brand/type, quantity, location, existing and proposed R-values, and material and installation costs. Specifications: material specification sheet(s) confirming product details.	None identified at this time.
Energy-Efficient Windows and Exterior Doors High-performance windows and exterior doors reduce heat loss,	Eligible scope: Replacement of existing windows, exterior doors, overhead doors, and related frames, glazing, seals, flashing, hardware, and weatherstripping where the work improves whole-product thermal performance and/or reduces air leakage. Code/standard: Where applicable, window and exterior door replacements must comply with applicable building and energy	Quote: contractor quote listing the manufacturer, quantity, location, and costs for windows and/or exterior doors.	None identified at this time.

heat gain, and air leakage, helping lower heating and cooling demand year-round. EUL = 20 years	code requirements, including whole-product thermal performance, air leakage, installation, and envelope continuity requirements. Minimum requirements and recommended performance criteria include: • <u>Windows</u>: should be ENERGY STAR-certified (where applicable) or achieve a maximum whole-product U-value of 1.2 W/m²·K, including frame and glazing. • <u>Exterior Doors</u>: should be insulated and either be ENERGY STAR-certified (where applicable) or achieve a maximum whole-product U-value of 1.2 W/m²·K. • For larger commercial assemblies not typically covered by ENERGY STAR labelling, applicants should provide tested performance data demonstrating alignment with the project's applicable NECB/NBC requirements. Recommendation: Include proper air sealing, flashing, rough-opening insulation, and integration with adjacent air barrier assemblies. Use vestibules, air curtains, or similar controls at high-use entrances where feasible.	Specifications: material specification sheet(s) showing model, whole-product performance, and NRCan number where available.	
Heat Pumps Heat pumps provide cooling by transferring heat out of the building in summer and heating by transferring heat into the building in winter. EUL = 15 years	Eligible scope: Variable refrigerant flow (VRF) systems and cold-climate heat pumps. Equipment should be listed in a recognized certification directory, such as AHRI, NRCan, or applicable ENERGY STAR, and comply with Canadian Energy Efficiency Regulations. Code/standard: Systems must comply with NECB 2020 minimum efficiency and design requirements, demonstrated through either the prescriptive or performance path. Minimum requirements and recommended performance criteria include: • HSPF ≥ 10 (8.0–8.5 HSPF2) • COP ≥ 1.75 at –15°C • Maintained heating capacity at –20°C or lower Recommendation: Systems should be designed as hybrid systems, sized using recognized load calculations, and selected based on verified part-load performance, low-temperature capacity retention, and efficiency suited to Saskatchewan conditions.	Quote: contractor quote itemizing equipment, efficiency specifications, make/model numbers, capacity (kBTU/h), and equipment and installation costs. Specifications: equipment specification sheet(s) confirming product details and performance characteristics, if not included in the quote.	None identified at this time.

High-Efficiency Condensing Boilers A high-efficiency condensing boiler maximizes heat output by capturing additional energy from the combustion of natural gas or propane. It reuses heat from water vapor that would normally be wasted. EUL = 21 years	Eligible scope: Boilers must be high-efficiency condensing systems installed as part of a replacement project. New boiler installations are not eligible under the Program. Systems should be ENERGY STAR-certified where applicable. Code/standard: All boiler projects must comply with NECB 2020, including minimum equipment efficiency requirements and applicable provisions for venting, controls, and system design. Minimum requirements and recommended performance criteria include: • ≥95% AFUE/Thermal Efficiency for rebate-aligned boiler eligibility, or higher where required by code, program review, or equipment type • Proper system sizing based on calculated building heating loads • Temperature and operating controls • Compliance with applicable pump efficiency requirements Recommendation: Projects should prioritize modulating burners, a properly designed circulation system, heat recovery with economizers, low-temperature operation to maximize condensing efficiency, outdoor reset controls, and variable-speed (VFD) pumping systems.	Quote: contractor quote itemizing equipment, make/model number(s), and equipment and installation costs. Specifications: equipment specification sheet(s) confirming equipment details, if not included in the quote.	SaskEnergy: May apply. Current offering: \$750 up to 300 MBH plus \$3/MBH above 300 MBH, minimum 95% AFUE/TE, up to \$35,850 per building/property.
High-Efficiency Furnaces A high-efficiency gas furnace gets more heat from fuel by capturing extra heat from the exhaust. It reuses heat from water vapor that would normally be wasted. EUL = 17 years	Eligible scope: Furnaces must be high-efficiency systems installed as part of a replacement project. ENERGY STAR certification is preferred where applicable. Code/standard: All furnace projects must comply with NECB 2020 and applicable Canadian Energy Efficiency Regulations. Minimum requirements and recommended performance criteria include: • AFUE ≥ 97% for rebate-aligned replacement furnace eligibility • Proper system sizing based on calculated building heating loads • Integration of temperature and operating controls. Recommendation: Prioritize sealed combustion, ECM or variable-speed fan motors, integrated controls, and hybrid heat pump configurations where feasible.	Quote: contractor quote itemizing equipment, make/model number(s), and equipment and installation costs. Specifications: equipment specification sheet(s) confirming equipment details, if not included in the quote.	SaskEnergy: May apply. Current offering: \$325 per eligible furnace, minimum 97% AFUE. SaskPower CEOP: May apply to qualifying natural gas savings.

Rooftop Units (RTUs) Rooftop units provide packaged heating, cooling, ventilation, and air distribution for commercial buildings. EUL = 15 years	Eligible scope: Replacement or major retrofit of packaged rooftop units and associated components, including high-efficiency cooling, heating, ventilation, supply/return fans, economizers, controls, curbs/adapters, and commissioning required to achieve energy savings. ENERGY STAR certification should be used where applicable; however, many commercial-scale RTUs are not eligible for ENERGY STAR certification. Where applicable, AHRI-certified performance data should be provided. Code/standard: RTUs must comply with NECB 2020 and applicable Canadian Energy Efficiency Regulations, including minimum equipment efficiency, ventilation, economizer, fan power, controls, and system design requirements. Minimum requirements and recommended performance criteria include: • Energy efficiency ratio (EER) of 12 and integrated energy efficiency ratio (IEER) of at least 14.6 for units 5.4 to <11.25 tons cooling capacity or IEER of at least 14 for units 11.25 to 20 tons cooling capacity. • Proper system sizing based on calculated building heating and cooling loads. Recommendation: Prioritize high-efficiency or heat pump RTUs, efficient fans or VFD/ECM components, demand-controlled ventilation, economizer optimization, improved controls, and commissioning.	Quote: contractor quote itemizing equipment, make/model number(s), and equipment and installation costs. Specifications: equipment specification sheet(s) confirming equipment details, if not included in the quote.	SaskEnergy: May apply. Current example: \$60/ton for eligible replacement RTUs sized 5.4–20 tons. SaskPower CEOP: May apply to qualifying natural gas or electricity savings.
High-Efficiency Chillers Chillers provide chilled water for building cooling systems. High-efficiency chillers, proper sizing, controls, and commissioning can reduce cooling energy use.	Eligible scope: Replacement or major retrofit of chilled water equipment and associated components, including chillers, cooling towers, pumps, controls, heat exchangers, variable-speed drives, and commissioning required to achieve energy savings. Code/standard: Chiller projects must comply with NECB 2020 and applicable Canadian Energy Efficiency Regulations, including minimum equipment efficiency, controls, pumping, ventilation, and system design requirements.	Quote: contractor quote itemizing equipment, make/model number(s), capacity, and equipment and installation costs.	SaskPower CEOP: May apply. Current example: \$0.13/kWh for non-lighting electricity savings.

EUL = 20 years	Minimum requirements and recommended performance criteria include: • Air-cooled chillers: COP $\geq$ 3.0 • Water-cooled chillers: COP $\geq$ 5.5 • Performance should be evaluated using AHRI 550/590 ratings, with emphasis on Integrated Part Load Value (IPLV), not full-load efficiency alone. Recommendation: Prioritize high-efficiency equipment, proper load calculations, part-load performance, variable-speed pumping, optimized condenser water control, heat recovery where feasible, and commissioning.	Specifications: equipment specification sheet(s) confirming efficiency ratings and performance data.	
Efficient Water Heating Efficient water heating systems reduce energy used to heat domestic hot water or service hot water for commercial building operations. EUL = 15 years	Eligible scope: Replacement of water heating systems with high-efficiency condensing storage water heaters, tankless water heaters, heat pump water heaters where applicable, controls, recirculation improvements, pipe insulation, and related components required to achieve energy savings. Equipment should be ENERGY STAR-certified where applicable. Code/standard: Projects must comply with NECB 2020, applicable plumbing and gas/electrical requirements, and applicable Canadian Energy Efficiency Regulations. Minimum requirements and recommended performance criteria include: • Tankless water heaters should achieve a minimum UEF of 0.87. • Condensing water heaters with input capacity less than 75 MBH should achieve a minimum UEF of 0.80. • Condensing water heaters with input capacity greater than 75 MBH should achieve a minimum thermal efficiency of 95% for rebate alignment, or a more stringent threshold where required by code, equipment type, or Program review. Recommendation: Prioritize proper sizing, condensing operation, low standby losses, efficient recirculation controls, pipe insulation, and heat pump or fuel-switching options where feasible.	Quote: contractor quote itemizing equipment, make/model number(s), capacity, efficiency rating, and equipment and installation costs. Specifications: equipment specification sheet(s) confirming equipment details and ENERGY STAR certification where applicable.	SaskEnergy: May apply. Current examples: \$1,000 per eligible tankless water heater; \$5/MBH for eligible condensing water heaters. SaskPower CEOP: May apply to qualifying natural gas or electricity savings.

LED Lighting and Controls LED lighting and lighting controls reduce electricity use for interior and exterior lighting while maintaining appropriate lighting levels. EUL = 10 years	Eligible scope: Replacement or retrofit of lighting systems, including LED fixtures, lamps, retrofit kits, occupancy sensors, vacancy sensors, daylight controls, dimming controls, timers, exterior lighting controls, and related wiring or commissioning required to achieve energy savings. Code/standard: Lighting projects must comply with NECB 2020, including lighting power density, automatic shutoff, daylighting, exterior lighting, and control requirements where applicable. Minimum requirements and recommended performance criteria: The equipment should be Design Lights Consortium (DLC) certified, Energy Star certified or meet CEE requirements. Recommendation: Prioritize high-efficacy LED products, appropriate colour temperature and light levels, occupancy and daylight controls, exterior lighting controls, and proper commissioning of control sequences.	Quote: contractor quote itemizing fixture types, quantities, wattages, locations, controls, and equipment and installation costs. Specifications: Equipment specification sheet(s) confirming equipment details and DLC and/or ENERGY STAR certification and/or CEE requirements.	SaskPower CEOP: May apply. Current example: \$0.06/kWh saved for qualifying lighting projects.
Motors / Pumps / Drives Motors, pumps, fans, and drives move air and water through building systems. Proper sizing and variable-speed control can significantly reduce energy use. EUL = 15 years	Eligible scope: Replacement or retrofit of motors, pumps, fans, and variable frequency drives serving building systems, including HVAC, ventilation, water circulation, and other variable-load applications where energy savings can be demonstrated. Code/standard: Projects must comply with NECB 2020 and applicable Canadian Energy Efficiency Regulations, including requirements for motor efficiency, pump energy performance, controls, and system design. Minimum requirements and recommended performance criteria include: • <u>Motors</u>: should meet applicable Canadian energy efficiency requirements and should meet or exceed National Electrical Manufacturers Association (NEMA) Premium efficiency levels, or equivalent high-efficiency standards, where applicable • <u>Pumps and fans</u>: should be properly sized; and VFDs should be installed on suitable variable-load applications. Recommendation: Prioritize high-efficiency motors, variable-speed systems, optimized system design, BAS integration where applicable, and commissioning or balancing.	Quote: contractor quote itemizing equipment details, make/model number(s), motor horsepower or pump/fan capacity, and costs. Specifications: technical specifications and efficiency documentation where relevant.	SaskEnergy: May apply to eligible variable-speed ECM pumps. Current examples: \$30 per pump under 100 W or \$0.40/W for 100 W to under 1,500 W. SaskPower CEOP: May apply to qualifying electricity savings.

BAS / Controls / Thermostats Building automation systems, controls, and smart thermostats help monitor and manage building systems such as HVAC, ventilation, lighting, and domestic hot water. EUL = 10 years	Eligible scope: Building automation systems, controls, and thermostats must optimize system performance, reduce energy consumption, and support proper operation of building systems. Eligible projects may include BAS, direct digital controls, smart thermostats, equipment scheduling, demand-controlled ventilation, economizer controls, optimized start/stop, temperature setback or set-up strategies, and remote monitoring. Code/standard: Projects must comply with NECB 2020, including requirements for system controls, temperature regulation, ventilation control, and scheduling. Minimum requirements and recommended performance criteria: None. Recommendation: Prioritize integrated BAS or energy management systems, centralized monitoring, demand-controlled ventilation, occupancy-based control, variable-speed equipment integration, trend logging, and functional testing.	Quote: contractor quote itemizing equipment, make/model number(s), equipment and installation costs, and control scope. Specifications: equipment specification sheet(s), control drawings, or control documentation confirming equipment details and proposed sequences.	SaskPower CEOP: May apply. Current examples: \$0.13/kWh non-lighting, \$0.06/kWh lighting, and \$15/GJ natural gas.
HRV / ERV / Heat Recovery Systems HRV/ERV and heat recovery systems improve ventilation efficiency by transferring heat, and sometimes moisture, between exhaust and incoming outdoor air. EUL = 15 years	Eligible scope: HRV, ERV, and heat recovery projects must improve ventilation efficiency, reduce energy use, and support code-compliant ventilation. Eligible projects may include dedicated HRVs or ERVs, runaround heat recovery loops, heat pipe systems, exhaust air heat recovery, or other engineered recovery systems. Code/standard: Projects must comply with NECB 2020 and applicable Canadian Energy Efficiency Regulations, including requirements for ventilation, heat recovery, controls, and system design. Minimum requirements and recommended performance criteria include: • Sensible recovery efficiency (SER) $\geq 60\%$ at 32°F • Should be Energy Star certified. • Be properly sized for the ventilation loads Recommendation: Prioritize high-effectiveness recovery, ERVs where moisture transfer is beneficial, efficient fans, demand-controlled ventilation, BAS integration, frost-control strategies, and commissioning or balancing.	Quote: contractor quote itemizing equipment, make/model number(s), equipment and installation costs, and ventilation scope. Specifications: equipment specification sheet(s) confirming equipment details and heat recovery performance and ENERGY STAR certification.	SaskEnergy: May apply to eligible HRV/ERV systems. SaskPower CEOP: May apply to qualifying natural gas or electricity savings.

Renewable Energy

Measure	Technical Requirements	Application Supporting Documentation	Incentives
Solar Photovoltaic (PV) Systems Solar PV systems generate electricity from sunlight and can reduce grid electricity use and operating costs. EUL = 25 years	Eligible scope: Solar PV systems and directly required structural, electrical, metering, mounting, and interconnection components are eligible under the Program. Structural upgrades may be eligible only where directly required to safely install the solar PV system. Solar PV projects do not require an energy audit but must still include a business case/proposal. Code/standard: Projects must comply with applicable electrical, structural, permitting, utility interconnection, and inspection requirements. Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize right-sized systems, production monitoring, appropriate inverter selection, roof condition review before installation, and readiness for future electrification where feasible.	Quote: contractor quote identifying system size, annual generation estimate, make/model information, equipment, and costs.	None identified at this time.
Solar Thermal Systems Solar thermal systems use solar energy to heat water or other fluids for domestic hot water, space heating, or process loads. EUL = 20 years	Eligible scope: Solar thermal systems may include collectors, tanks, pumps, controls, heat exchangers, piping, and insulation. Code/standard: Projects must comply with applicable plumbing, mechanical, structural, electrical, gas, fire, permitting, and safety requirements. Minimum requirements and recommended performance criteria include: Systems should be ENERGY STAR-certified where applicable. Recommendation: Prioritize well-matched thermal loads, insulated distribution, freeze protection, simple controls, and integration with efficient backup water or space heating systems.	Quote: contractor quote identifying system type, size, expected heat generation, and costs. Specifications: Equipment specification sheet(s) confirming equipment and ENERGY STAR certification.	None identified at this time.

Water Efficiency

Measure	Technical Requirements	Application Supporting Documentation	Incentives
Low-Flow Plumbing Fixtures Low-flow fixtures reduce potable water use while maintaining appropriate fixture performance for building occupants. EUL = 10 years	Eligible scope: Replacement of plumbing fixtures and related components that reduce potable water use, including toilets, urinals, lavatory faucets, showerheads, aerators, flush valves, and related controls. Code/standard: Plumbing work must comply with the City's plumbing permit, inspection, and Plumbing Bylaw requirements, as well as applicable provincial plumbing code requirements. Minimum requirements and recommended performance criteria include: • Should be WaterSense labelled. • <u>Toilets</u>: tank-type and flushometer-valve toilets should have a maximum rated flush volume of 4.8 Lpf (1.28 gpf). Dual-flush toilets should meet the same maximum for the full flush. • <u>Urinals</u>: flushing urinals should have a maximum rated flush volume of 1.9 Lpf (0.5 gpf). • <u>Faucets and aerators</u>: should have a maximum flow rate of 5.7 Lpm (1.5 gpm). • <u>Showerheads</u>: should have a maximum flow rate of 7.6 Lpm (2.0 gpm). Recommendation: Bundle fixture replacement with leak repair, controls, or domestic hot water efficiency measures where appropriate.	Quote: contractor quote listing fixture types, quantities, flow/flush rates, and costs. Specifications: Product specifications should identify fixture type, model, flow or flush rate, and WaterSense label where applicable.	None identified at this time.
Efficient Irrigation Efficient irrigation reduce outdoor potable water use. EUL = 10 years	Eligible scope: Measures may include smart irrigation controllers, soil moisture or rain sensors, drip irrigation, high-efficiency spray heads or nozzles, pressure regulation, leak repair, and other measures that reduce outdoor potable water use. Code/standard: Irrigation and drainage changes must comply with applicable City drainage, property maintenance, boulevard/landscaping, and permit requirements.	Quote: contractor quote and scope description. Specifications: Product specification required for controllers, sensors, nozzles,	None identified at this time.

	Minimum requirements and recommended performance criteria include: Where applicable, irrigation controllers, soil moisture sensors, and spray sprinkler bodies should be WaterSense-labelled. Recommendation: Prioritize leak repair, pressure management, efficient distribution, drought-tolerant planting, and monitoring of outdoor water use.	sprinkler bodies, and should identify WaterSense label where applicable.	
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Climate Resiliency

Measure	Technical Requirements	Application Supporting Documentation	Incentives
Wind Hardening Wind-hardening measures reduce damage risk from high winds, wind-driven rain, and related weather events. EUL = 20 years	Eligible scope: Measures may include roof tie-downs, roof membrane or flashing upgrades, reinforced rooftop equipment anchoring, impact-resistant glazing or shutters, exterior door reinforcement, and other measures that reduce wind-related damage risk. Structural work may be eligible where it is directly required for wind hardening or another approved eligible project. Code/standard: Measures involving structural components, roof assemblies, exterior walls, glazing, exterior doors, rooftop equipment, anchoring, or exterior alterations must comply with applicable building, zoning, permit, inspection, and heritage review requirements. Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize measures that protect the roof assembly, rooftop equipment, openings, and other components most exposed to wind or wind-driven rain.	Quote: contractor quote. Specifications: required where applicable based on project scope.	None identified at this time.
Ventilation / Indoor Air Quality Resilience Ventilation and indoor air quality resilience measures	Eligible scope: Measures may include filtration upgrades, dedicated outdoor air systems, demand-controlled ventilation, HRV/ERV systems, make-up air improvements, air distribution improvements, monitoring, and controls that improve ventilation reliability or indoor air quality during poor outdoor air conditions.	Quote: contractor quote.	SaskEnergy: May apply to eligible HRV/ERV systems.

help maintain safer indoor conditions during smoke, poor outdoor air quality, or ventilation disruption events. EUL = 15 years	Code/standard: Mechanical, ventilation, building automation, electrical, or building envelope work must comply with applicable building, mechanical, electrical, permit, inspection, and occupancy requirements. Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize improved filtration, outdoor air control, HRV/ERV integration, demand-controlled ventilation, monitoring, and commissioning where feasible.	Specifications: required where applicable based on project scope.	
Cooling Resilience Cooling resilience measures reduce overheating risk during extreme heat events and help maintain safe indoor conditions. EUL = 15 years	Eligible scope: Measures may include passive cooling improvements, shading, trees, reflective roofing or coatings, ventilation controls, thermal comfort monitoring, and other measures that reduce overheating risk during extreme heat events. Code/standard: Cooling equipment, reflective roofing, shading structures, exterior alterations, tree or boulevard work, and related electrical or mechanical work must comply with applicable building, zoning, electrical, mechanical, landscaping, boulevard, permit, inspection, and heritage review requirements. Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize passive cooling, efficient equipment, shading, reflective roof surfaces, controls, monitoring, and measures that reduce peak cooling demand.	Quote: contractor quote. Specifications: required where applicable based on project scope.	None identified at this time.
Flood Mitigation Flood mitigation measures reduce damage risk from sewer backup, surface flooding, drainage issues, or water intrusion. EUL = 20 years	Eligible scope: Measures may include backwater valves, sump pumps with backup power, flood barriers, grading or drainage improvements, relocation or elevation of critical equipment, flood-resistant materials, and other measures that reduce flood damage risk. Code/standard: Flood mitigation work must comply with applicable drainage, plumbing, building, electrical, permit, inspection, lot grading, and property maintenance requirements. Measures affecting grading, drainage paths, downspouts, sump discharge, private drainage systems, or onsite water retention must comply with the City's Drainage Bylaw and related lot grading requirements.	Quote: contractor quote. Specifications: required where applicable based on project scope.	None identified at this time.

	Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize source control, backflow prevention, sump reliability, critical equipment protection, and drainage solutions that do not increase risk to neighbouring properties or City infrastructure.		
Stormwater Management Stormwater management measures reduce runoff volume, peak flow, or stormwater pollution risk. EUL = 20 years	Eligible scope: Measures include green roofs and onsite water management. Other stormwater measures, such as bioswales, rain gardens, permeable pavement, rainwater capture, detention or retention systems, downspout disconnection, or site grading, may be considered only where approved by the City and where the project demonstrates a measurable resilience benefit. Code/standard: Stormwater projects must comply with the City's Drainage Bylaw, lot grading requirements, stormwater utility requirements, permit requirements, and any other applicable design or inspection requirements. Green roofs and roof-based stormwater measures may also require structural requirements. Minimum requirements and recommended performance criteria include: None. Recommendation: Prioritize onsite retention, green infrastructure, source control, permeable surfaces, and designs that support Storm Water Management Credit Program eligibility where feasible.	Quote: contractor quote. Specifications: required where applicable based on project scope.	City's Storm Water Management Credit Program may apply where the project reduces stormwater quantity or improves stormwater quality.
Backup Power / Battery Storage Backup power and battery storage support continuity of essential building functions during outages or emergency events. EUL = 10 years	Eligible scope: Measures may include battery energy storage systems, critical-load panels, transfer switches, controls, electrical upgrades, and associated integration with solar PV or other eligible systems where the project supports continuity of essential building functions. Code/standard: Work must comply with applicable electrical, building, fire, utility interconnection, permit, and inspection requirements. Minimum requirements and recommended performance criteria include: None.	Quote: contractor quote identifying system capacity, integration details, and costs. Specifications: required where applicable based on project scope.	None identified at this time.

	Recommendation: Prioritize critical-load planning, safe transfer equipment, monitoring, right-sized storage capacity, and integration with solar PV where feasible.		
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Other Eligible / Incidental Measures

Measure	Technical Requirements	Application Supporting Documentation	Incentives
EV charging stations	Eligible scope: EV charging projects may include Level 2 electric vehicle charging stations, dedicated electrical circuits, panels, conduit, wiring, load management, controls, signage, and related installation work required to serve eligible properties. Code/standard: EV charging installations must comply with applicable electrical, building, zoning, parking, fire, utility, permit, inspection, and utility service requirements, where applicable.	Quote: contractor quote. Specifications: required where applicable based on project scope.	None identified at this time.
Remediation	Eligible scope: Required remediation may include asbestos or hazardous material abatement, moisture/mould repair. Code/standard: Required remediation must comply with applicable building, fire, safety, environmental, hazardous material, property maintenance, nuisance abatement, occupational health and safety, notification, abatement, worker protection, disposal, permit, and inspection requirements. Work must not create or leave unresolved unsafe, nuisance, or property maintenance conditions.	Quote: contractor quote. Supporting documentation: scope, assessment or other records confirming why the remediation is required.	None identified at this time.
Incidental costs required for the project Some incidental costs may be eligible only where they are required for a qualifying retrofit.	Eligible scope: Incidental costs may include electrical upgrades, roof repairs, or other costs directly required to complete and verify another eligible retrofit. Incidental costs must be necessary, reasonably scoped, and directly linked to the approved eligible project; they are not stand-alone eligible measures. Code/standard: Incidental work must follow the City requirements that apply to the primary retrofit, including applicable permit, inspection, building, plumbing, electrical, drainage, zoning, heritage, development, or utility requirements.	Quote: contractor quote breaking out incidental or enabling costs from the core retrofit scope.	None identified at this time.