



REQUEST FOR DECISION 23-03-031

MEETING: Regular Council Meeting

Date: March 21, 2023

AGENDA NO.: 12

TITLE: Correspondence & Information

ORIGINATED BY: *Karen O'Connor, CAO*

BACKGROUND / PROPOSAL:

Attached with this RFD are items for which Council may like to make a formal resolution. otherwise, this is accepted for information only.

DISCUSSION / OPTIONS / BENEFITS / DISADVANTAGES:

The following items are provided:

- PRL System 2022 Annual Report
- Public Safety & Emergency Services
- AHS-Official Administrator's 90-Day Report
- AB Policing Services -Blue Lights Bulletin
- MA 2023 Budget
- Fortis AB Electric Vehicle Chargers & Rates 62
- AB Health Services-OAG Recommendations
- To AB Municipal Elected Officials-Feb 23/23
- SAEWA Roadmap

RECOMMENDED ACTION:

23/055 MOTION THAT Councillor _____ accepts the attached correspondence as information only.



Parkland Regional Library System 2022 Annual Report

Expanding opportunities for discovery, growth, and imagination for all Central Albertans



Photo from Cremona Municipal Library

Thank you!

The Parkland Library Board thanks our member municipalities and the Government of Alberta for continued funding. With your help we supported 49 public libraries in 2022.



Photo from Caroline Municipal Library



Parkland Libraries have...

678,471 items in the physical collection and 1,256,988 physical circulations.

Virtual Library Services

- 248,922 website and online catalogue visits
- 91,259 eLibrary database sessions
- 134,981 digital checkouts
- 1,646,392 WiFi sessions at libraries

Parkland HQ

- Completed 23,757 interlibrary loans
- Provided an additional \$66,000 for additional eContent paid for from reserves
- Completed workshops, training, analysis, and reports on multiple topics for library staff.

2022 Annual Report



Photo from Caroline Municipal Library

Resource Sharing

- 883,300 items delivered in van runs in 2022.
- Purchased, processed, and added 30,594 items to the system catalogue.

Member Support

- 1,067 consulting activities by Parkland Staff
- Created training videos and documents on introduction to budgeting, trustee orientation, building rapport with CAO's, collection development, and marketing.

IT Support

- Implemented a new firewall at PRLS headquarters
- Increased network security to reduce exposure to external threats
- Purchased and replaced 66 desktop and 12 laptop computers
- Replaced one of the critical servers at PRLS
- Initiated the review of our current websites for libraries. The project is ongoing, but new websites will likely be implemented in 2023

Member Libraries Borrowed...

- 14,140 Large Print Books
- 3,310 Audiobooks
- 855 Software and Video Game Kits
- 1,955 Children, Teen, and Adult Programming Kits

2022 Annual Report



Advocacy Activity

The Parkland and Yellowhead Advocacy Committee was instrumental in creating a Systems Advocacy Committee. The Directors and Chairs from all 7 systems in Alberta have created a robust advocacy plan to increase funding from Municipal Affairs.

Stronger Together

Parkland participated in the second annual Stronger Together Conference. There were 13 sponsors, 20 sessions, and 4 keynote speakers. These were attended by over 1000 registrants.

Marketing Activity

- Partnered with Lacombe Days for a BBQ in July with over 850 attendees.
- Hosted the 2nd annual Canadian Library Month contest and membership drive. We had 481 contest entries and gained 875 new members.

Social Media

- Re-evaluated and implemented a new social media strategy.
- We saw a 271% increase in engagement and a 7% increase in reach.

Contact Us:

Parkland Regional Library System

4565 46th Street
Lacombe, AB T4L 0K2
403-782-3850

Board Chair Teresa Rilling

Vice Chair Barb Gilliat

Executive Committee

Teresa Rilling (Chair)
Barb Gilliat (Vice Chair)
Deb Coombes
Debra Smith
Jamie Coston
Janice Wing
Joy-Anne Murphy
Leonard Phillips
Norma Penney
Shannon Wilcox

Director: Ron Sheppard (ext. 230)

Manager of Library Services: Andrea Newland (ext.221)

Manager of Finance and Operations: Donna Williams (ext. 141)

Manager of Technology Infrastructure: Tim Spark (ext. 212)
IT Helpdesk (ext. 600)

Advocacy Committee


Gord Lawlor (Chair)
Norma Penney (Vice Chair)
Barb Gilliat
Deb Coombes
Debra Smith
Joyce McCoy
Jul Bissell
Shawn Peach
Stephen Levy
Teresa Cunningham
Teresa Rilling

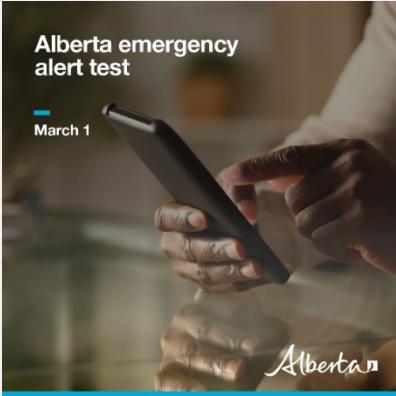
[Complete Board and Municipality list here.](#)

*Statistics based on 2022 annual report to PLSB Municipal Affairs

Strong Libraries, Strong Communities



	<p>Visit Alberta.ca/BePrepared to learn more.</p>	
<p>March 1</p>	<p>Twitter A provincial test of the emergency alerting system is happening today at 1:55pm. Check your phone’s compatibility at https://www.alertready.ca/</p> <p>Visit Alberta.ca/BePrepared for tips to help you and your family become more prepared.</p> <p>FACEBOOK A provincial test of the emergency alerting system is happening today at 1:55pm.</p> <p>Test messages will be issued over TV, radio, cell phones and tablets. Check your phone’s compatibility at https://www.alertready.ca/</p> <p>Albertans are also encouraged to download the Alberta Emergency Alert mobile app to ensure they receive all emergency notifications for their area. Get it for iOS and Android at www.alberta.ca/emergencyalert</p> <p>When you receive the alert, take a moment to reflect on how prepared you would have been if that alert were real.</p> <p>Visit Alberta.ca/BePrepared to learn more.</p>	

TOPIC	POST COPY	GRAPHIC/CONTENT
<p>Week of Feb 27</p>	<p>Twitter</p> <p>To coincide with wildfire season, a provincial test of the emergency alerting system will happen Wednesday, March 1 at 1:55pm. Check your phone's compatibility at https://www.alertready.ca/</p> <p>Visit Alberta.ca/BePrepared for tips to help you and your family become more prepared. #ABEmergencyAlert</p>	<p>Animated video: AEA-Test-Alert-Video-Broadcast-Final-With-Music.mp4</p>
<p>March 1</p>	<p>A provincial test of the emergency alerting system is happening today at 1:55pm. Check your phone's compatibility at https://www.alertready.ca/</p> <p>Visit Alberta.ca/BePrepared for tips to help you and your family become more prepared. #ABEmergencyAlert 1/2</p> <p>Test alerts like today's are critical as they help make sure alerts work when we need them to save lives and protect Albertans in the event of an emergency. Get prepared when the risk is low so you are ready when the risk is high. Learn more : <link></p>	<p>Animated video: AEA-Test-Alert-Video-Broadcast-Final-With-Music.mp4</p> <p><i>Graphic will be used for second tweet in thread</i></p>  <p>The graphic features a person's hands holding a smartphone. Text on the graphic includes 'Alberta emergency alert test', 'March 1', and the 'Alberta' logo.</p>

NPAS Alerting Capability by Community



Readiness to Launch

User Training

450 (78%) **Auth. Users**
90 (92%) **Police Users**

Practice Alerts

269 (47%) **Auth. Users**
37 (38%) **Police Users**

Full Access

4 (100%) **WNCs**
229 (40%) **Auth. Users**
0 (0%) **Police Users**

Distributors

100%
Pointing to NPAS

Mobile App

- **Transitioned to cloud**
- **Pointing to NPAS**

AB Alert Feeds

AEA Twitter, Facebook & Website pointing to NPAS

From: [Community Engagement](#)
To: [Community Engagement](#)
Subject: Official Administrator's 90-Day Report
Date: February 27, 2023 1:45:41 PM
Attachments: [image001.png](#)



Dr. John Cowell
AHS Official Administrator

Official Administrator's 90-Day Report

Dear Community Leaders,

After 90 days as AHS' Official Administrator, I'm pleased to share my [report](#) on our ongoing progress and actions to date.

We are already seeing progress in these strategic areas:

- improving EMS response times
- decreasing emergency department wait times
- improving patient flow throughout the healthcare continuum
- reducing wait times for surgeries

These areas align with the *Government of Alberta Healthcare Action Plan* to enable rapid reforms and improve outcomes in healthcare delivery.

The [90-day report](#) outlines the ongoing significant work and lays the foundation for long-term transformation to improve patient experience and health outcomes.

Here are a few highlights:

Between September 2022 and January 2023

- Opened an average of 255 net-new, non-ICU acute care beds across the province.

Between November 2022 and January 2023

- Reduced emergency department wait time to see a doctor by 10 per cent.
- Reduced total time spent in the emergency department for admitted patients by five per cent.
- Added 39 front-line staff, including paramedics, emergency communications officers and front-line supervisors.
- Opened 292 net-new designated supportive living beds.
- Opened 26 net new mental health beds and 26 net new addiction beds (for a total of 52 beds).
- Lowered the number of patients waiting for a continuing care space

from 253 to 179.

Between November 2022 and February 2023

- Lowered the number of patients waiting outside the clinically recommended wait time for surgery from 39,246 to 35,595, a 9.3 per cent reduction.

Currently

- Posting 114 full-time equivalent nursing staff positions to support emergency department teams in our 16 largest hospitals.
- Recruiting 127 full-time allied health staff, such as social workers, physiotherapists, and occupational therapists, to support patient flow.

We will be reporting regularly with complete transparency and accountability. To learn more, please see our [backgrounder](#) and [government news release](#) on the [AHS webpage](#). I also encourage you to read the full report.

We recognize that you may have questions, and so I invite you to respond to this email.

I'm proud of what we've been able to accomplish so far and I remain confident that we'll continue to make progress towards our goals.

Sincerely,

Dr. John Cowell

AHS Official Administrator



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BULLETIN

March 2, 2023

To: Alberta Police Services, Sheriffs and Peace Officers:

RE: Blue and Amber Lights on Tow Trucks and Maintenance Vehicles

The purpose of this communication is to provide information about extending the use of flashing blue lights to increase the visibility of tow trucks, support vehicles, snowplows and highway maintenance vehicles for five years. Effective February 28, 2023, two Registrar's Exemptions took affect, which rescinds and replaces the previous exemption dated July 20, 2022, and permits dated October 31, 2022.

Effective February 28, 2023 tow truck operators and highway maintenance vehicle operators will be allowed the optional use of blue lights, in addition to amber lights, on tow trucks and maintenance vehicles to increase their visibility and safety while working on Alberta highways. The use of blue lights alone is not authorized.

Tow trucks and support vehicles are only permitted to use their flashing lights while stationary and assisting driver's roadside, and not while driving. Vehicles used by roadside workers includes snow plows and other maintenance vehicle types, such as half-ton trucks, to maintain the highways. These vehicles are only permitted to use their flashing lights while the vehicle is conducting highway construction, inspection, maintenance or safety investigations, and not while travelling to or from the maintenance site. The optional use of the blue and amber lights will continue to be different than the lighting configurations on police vehicles (blue and red) and other emergency vehicles (red and white) to avoid confusion.

For any enquiries regarding this pilot project, please contact Transportation and Economic Corridors Permitting and Exemptions Office by e-mail at trans.exemptions@gov.ab.ca.

Sincerely,



Andrew Pillman
Acting Executive Director, Transportation and Economic Corridors
Carrier & Vehicle Safety
Government of Alberta



ALBERTA

MUNICIPAL AFFAIRS

*Office of the Minister
MLA, Calgary-Shaw*

AR111005

Dear Chief Elected Officials:

My colleague, the Honourable Travis Toews, President of Treasury Board and Minister of Finance, has tabled *Budget 2023* in the Alberta Legislature. I am writing to share information with you about how *Budget 2023* impacts municipalities.

Alberta's government is helping to secure Alberta's future by investing almost \$1 billion to build stronger communities across our province. The Municipal Affairs budget reflects an overall increase of \$45.2 million from the previous budget. These investments will continue to support municipalities in providing well-managed, collaborative, and accountable local government to Albertans.

We have heard frequently how important it is for Alberta municipalities to secure reliable, long-term funding for infrastructure and services in your communities. Through *Budget 2023*, capital support for municipalities is being maintained with \$485 million provided through the Municipal Sustainability Initiative (MSI). In addition, we are doubling MSI operating funding to \$60 million. The estimated 2023 MSI allocations are available on the program website at www.alberta.ca/municipal-sustainability-initiative.aspx.

Next year, we will be introducing the Local Government Fiscal Framework (LGFF), an updated framework that ties funding to provincial revenue changes, which will ensure sustainable funding levels for the province and allow municipalities to plan more effectively for the future. The baseline funding amount for the LGFF will be \$722 million in 2024/25. Furthermore, we heard your feedback and, subject to approval by the Legislature, are updating the legislation so that this amount will increase or decrease at 100 per cent of the percentage change in provincial revenues from three years prior, rather than 50 per cent as legislated. Based on the most current financial data and subject to approval of the legislation, we anticipate funding for municipalities will increase by 12.6 per cent to approximately \$813 million for the 2025/26 fiscal year.

The federal Canada Community-Building Fund (CCBF), which provides infrastructure funding to municipalities throughout the province, will see an increase of \$11.1 million to Alberta. The estimated 2023 CCBF allocations are available on the program website at www.alberta.ca/canada-community-building-fund.aspx.

MSI and CCBF program funding is subject to the Legislative Assembly's approval of *Budget 2023*. Individual allocations and 2023 funding are subject to ministerial authorization under the respective program guidelines. Federal CCBF funding is also subject to confirmation by the Government of Canada. Municipalities can anticipate receiving letters confirming MSI and CCBF funding commitments in April.

.../2

I am pleased to inform you that an additional \$3 million in grant funding is being committed in support of local public library boards, which means an increase of at least five per cent for all library boards. This funding increase will help maintain the delivery of critical literacy and skill-building resources to Albertans. There will also be an increase of \$800,000 in funding to the Land and Property Rights Tribunal to expand capacity for timely surface rights decisions.

Additionally, *Budget 2023* will provide an increase of \$500,000 to provide fire services training grants. Public safety is always a priority, and while we respect that fire services is a municipal responsibility, our government recognizes that a strong provincial-municipal partnership remains key to keeping Albertans safe.

As we all look forward to the year ahead, I want to re-iterate that Alberta municipalities remain our partners in economic prosperity and in delivering the critical public services and infrastructure that Albertans need and deserve. Municipal Affairs remains committed to providing sustainable levels of capital funding, promoting economic development, and supporting local governments in the provision of programs and services.

Alberta's economy has momentum, and we are focused on even more job creation and diversification as we continue to be the economic engine of Canada. At the same time, we recognize Albertans are dealing with the financial pressures of high inflation.

Budget 2023 will help grow our economy while also strengthening health care, improving public safety, and providing relief to Albertans through the inflation crisis. Alberta's government will do its part by remaining steadfastly committed to responsible management, paying down the debt, and saving for tomorrow.

With these priorities in mind, we will move forward together in fulfilling Alberta's promise and securing a bright and prosperous future for Alberta families.

Sincerely,

A handwritten signature in black ink that reads "Rebecca Schulz". The signature is written in a cursive, flowing style.

Rebecca Schulz
Minister

Electric Vehicle Chargers & Rate 62 Information Session

This presentation is provided for information purposes only. Users of this information are doing so at their own risk. FortisAlberta does not endorse the services or products of any specific consultant or contractor referenced in this presentation. FortisAlberta will not be held liable for any loss or damage in connection with the use of these consultants or contractors or any information provided in this presentation.

FortisAlberta acknowledges that its operations and facilities occur on the traditional territories, meeting grounds and travelling routes of the Indigenous Peoples of Treaty 6, 7 and 8, and Métis people in Alberta.

We make this acknowledgement as an act of reconciliation and gratitude to those whose territory we reside on or are visiting.

The logo for Fortis Alberta, featuring the word "FORTIS" in a large, white, serif font above the word "ALBERTA" in a smaller, white, serif font. A stylized yellow and orange wave icon is positioned between the two words.

FORTIS
ALBERTA

Electric Vehicle Chargers & Rate 62 Information Session



Agenda

1

Peter Casurella

on behalf of the **Southgrow Regional Initiative** to discuss the importance of deploying electric vehicle infrastructure

2

Rory Gattens



3

Logan Hoyland



4

Jack Tuo &
Jennifer Shillam



Agenda

1

Peter Casurella



2

Rory Gattens

from **Hypercharge** as a subject matter expert on chargers to provide an overview of EVC technology



3

Logan Hoyland



4

Jack Tuo &
Jennifer Shillam



Agenda

1

Peter Casurella



2

Rory Gattens



3

Logan Hoyland

from the **Municipal Climate Change Action Centre** to review the Southgrow EVC funding program and application process

4

Jack Tuo &
Jennifer Shillam



**Municipal
Climate Change
Action Centre**

Agenda

1

Peter Casurella



2

Rory Gattens



3

Logan Hoyland



4

Jack Tuo &
Jennifer Shillam

from **FortisAlberta** to review
Rate 62, Fortis application
process, website & EV smart
charging pilot

FORTIS
ALBERTA

SOUTHGROW

REGIONAL ECONOMIC DEVELOPMENT

GROWTH • INNOVATION • PROSPERITY



What's Happening in the Industry?

- 10% of sales by 2025, 40% by 2030 and 100% by 2040 have to be electric in Canada.
- This means 3% of the total by 2025, 11% by 2030, and 60% by 2040.
- There are over 5.6 million plug in passenger cars already in Europe.
- In China, there are over 8 million on the roads.
- Commercial applications are expanding.
- Long-range EV truck prototypes on the roads.

EVs are here to stay.



What's the Opportunity?


- Charging stations attract customers to your location.
- A growing market, grants available now to offset capital costs, friendly demand rate environment.
- EV chargers are already overtaking gas pumps in profitability in high-adoption areas. Lower input costs.


**EVs create new
market opportunities.**



Thank You

Contact

 403 394 0615

 info@southgrow.ca

 www.southgrow.com





Hypercharge



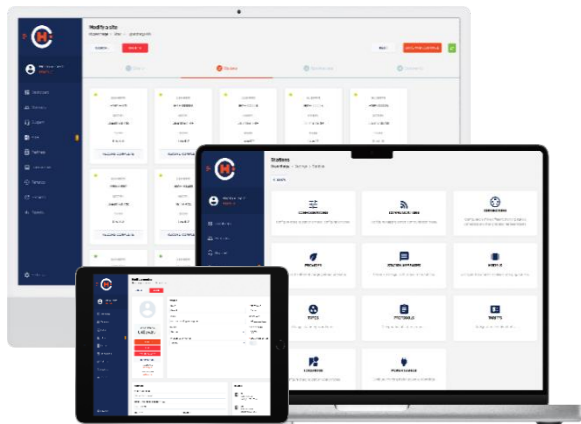
About Hypercharge.

Hypercharge is Canada's only publicly traded EV infrastructure company operating across North America.

We provide turnkey smart EV charging solutions that help our partners grow their business, accelerating the adoption of electric vehicles and the shift towards a carbon neutral economy.

Integrated charging solutions.

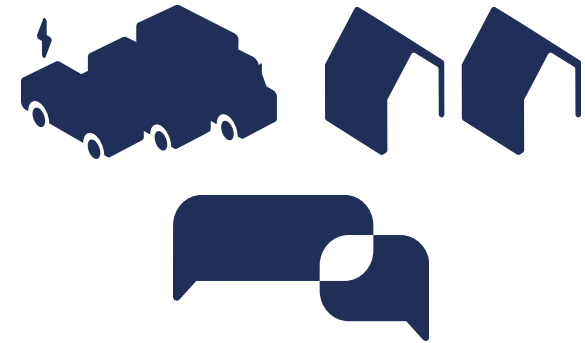
We unlock incremental value for our partners, *scaling with your business* as your EV charging portfolio grows.



Hypercharge Cloud Platform (OCP)



Comprehensive Hardware



Proactive Support Services

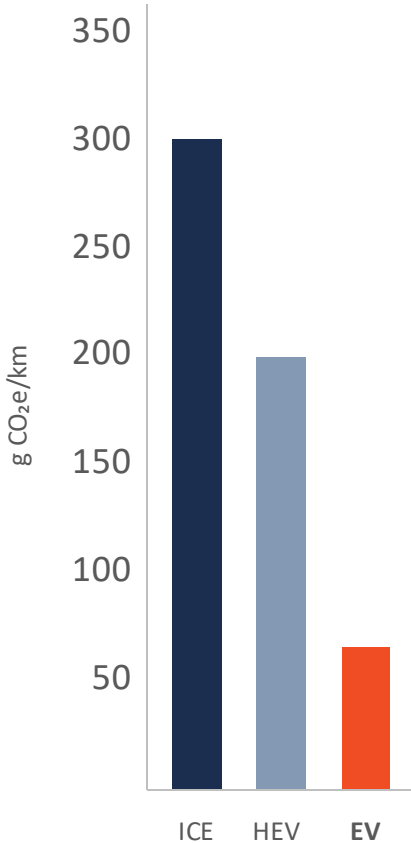
Comprehensive charging portfolio.

Our complete lineup of equipment serves every setting and vehicle with outputs from 6kW to 350kW.

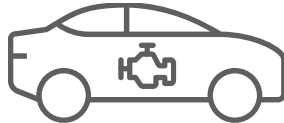


Why electric vehicles **work.**

Lower Emissions.



More Efficient.



Combustion Engine
17%-21%
efficiency



Battery Motor
90%-95%
efficiency

Decreasing Battery Costs.



70%



Decrease in EV
battery prices
over past 7
years

Lower Fuel Costs.



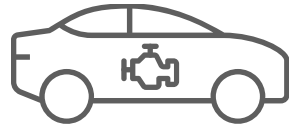
Gasoline
\$9,600 CAD
7,900 litres

20,000
km/year
for 5 years



Electricity
\$2,600 CAD
19,400 kWh

Less Maintenance.



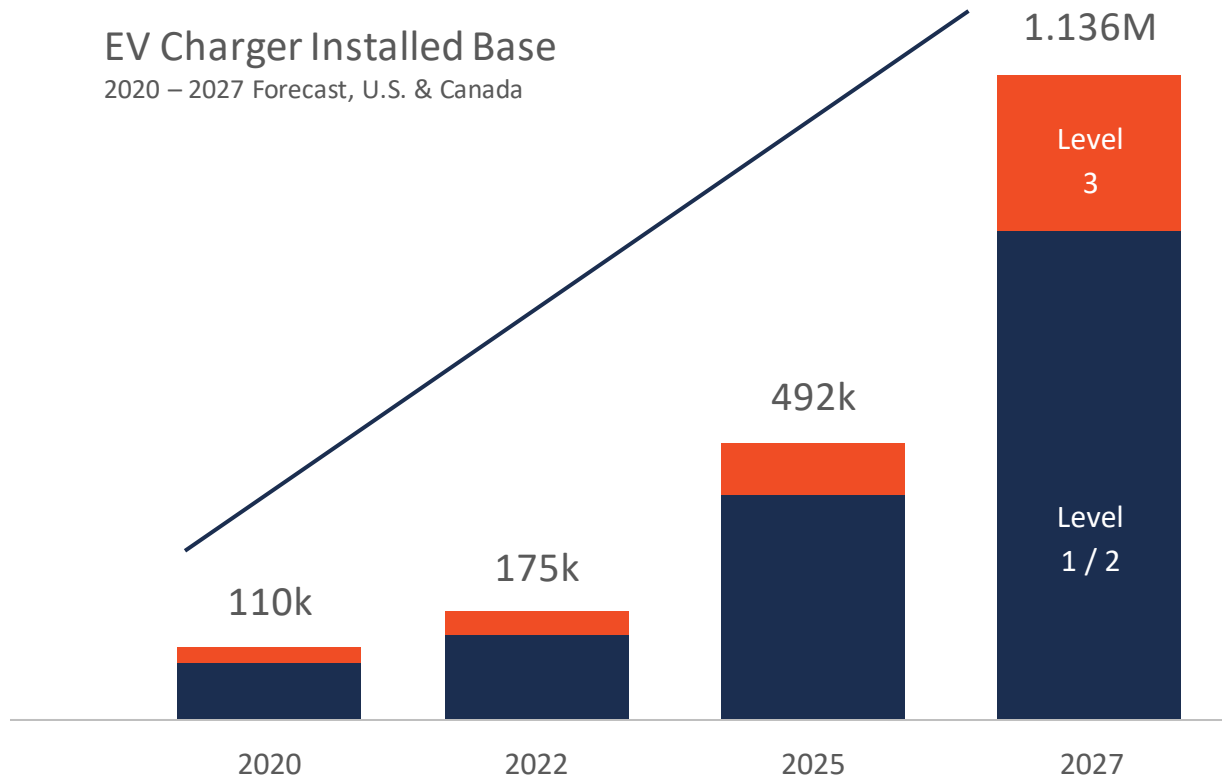
Traditional Vehicle
2,000+
moving parts



Electric Vehicle
18-20
moving parts

EV Charging & Infrastructure.

Infrastructure is the priority.



The Solution:
To meet demand, EV
charger installations are
forecast to grow **932%**
by 2027.

EV Charging Connector Types.

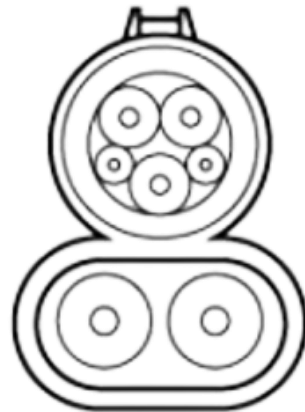


Connector: J1772

Level: 1 & 2

Compatibility: 100% of Electric Vehicles

Tesla: With adapter

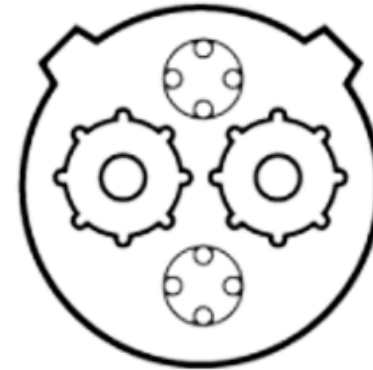


Connector: CCS-1

Level: 3

Compatibility: Check specification of your EV

Tesla: No



Connector: CHAdeMO

Level: 3

Compatibility: Check specifications of your EV

Tesla: With adapter



Connector: Tesla

Level: 3

Compatibility: Only Tesla

Tesla: Yes

EV Charging Types.

Level 1



- Portable EV Charging solution
- 120V outlet (1.3kW-2.4kW)
- J1772 connector
- 4-8km of range per hour of charging

Level 2



- MURB, Public, Workplace, Destination
- 208/240V (3.3kW-19.2kW)
- J1772 connector
- 30-100 km of range per hour of charging depending on output of charger and EV battery size

Level 3



- Public, Gas Retail locations, Highway rest areas
- 208V, 480V or 600V (24kW-350kW)
- CCS & CHAdeMO connectors
- 80% of charge in 30 mins or less depending on EV battery size



SOUTHGROW ELECTRIC VEHICLE CHARGING PROGRAM

FortisAlberta: Rate 62 Information Session February 21, 2023



**Municipal
Climate Change
Action Centre**

A partnership of

 **Alberta
Municipalities**
Strength
In Members

 **RMA**
RURAL MUNICIPALITIES
of ALBERTA

Alberta



About the Action Centre

The Municipal Climate Change Action Centre was founded in 2009 as a collaborative initiative of the Alberta Municipalities, Rural Municipalities of Alberta, and the Government of Alberta.



Our Impact

Updated: Oct 1, 2023



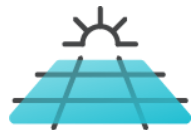
389 participants
completed 721 projects



\$155M energy savings
over project lifetimes



726,090 t of CO₂e
avoided over project lifetimes



**29.6 MW installed
solar energy capacity**
including 55,636 solar panels



873 full time jobs
created in energy efficiency and
solar industries



Municipal
Climate Change
Action Centre

mccac.ca

Agenda

1. Program Status
2. Funding Amount & Structure
3. Application Eligibility
4. Application Requirements
5. Participation Timeline



Program Status

- SouthGrow Regional Initiative funding via NRCAN is delivered in partnership with the Municipal Climate Change Action Centre
- Funding for projects is currently available province wide
- There is still a significant amount of funding available to applicants
- Application deadline is **March 31, 2023**



Funding

Charger Type	Maximum Rebate
Networked Level 2 (3.3 kW to 19.9 kW)	Up to 46% of total costs to a maximum of \$5,000 per connector*
Networked Fast Charger (20 kW to 49 kW)	Up to 46% of total costs to a maximum of \$15,000 per fast charger
Networked Fast Charger (50 kW to 99 kW)	Up to 46% of total costs to a maximum of \$50,000 per fast charger
Networked Fast Charger (100 kW and above)	Up to 46% of total costs to a maximum of \$75,000 per fast charger

**Funding cap:
\$100,000 per
location**

***Dual connector Level
2 stations can receive
up to \$10,000**



SG EVCP Eligibility – Organization Types

- Businesses as per the Business Corporation Act
- Municipalities in Alberta (as per the Municipal Government Act)
- Co-operatives (as per Co-operatives Act)
- Indigenous Communities
- Non-profits
- Institutions
- MURBs
- Others on case-by-case basis



SG EVCP Eligibility – Project Requirements

- ✓ Must be installed in Alberta on owned or leased land
- ✓ Must be a new, permanent install to be owned and operated by the applicant
- ✓ Must be a networked charger, approved for use in Canada (CSA, ULC, etc.)
- ✓ Must be installed by a fully licensed electrical contractor
- ✓ Must have a valid electrical permit, and passed all inspections
- ✓ Must have a dedicated parking space per connector



SG EVCP Eligibility – Project Requirements

- ✘ EV charging infrastructure installed prior to receiving approval and signing a funding agreement (retroactive projects)
- ✘ Installing non-networked chargers
- ✘ Replacing existing charging infrastructure
- ✘ Installing non-passenger vehicle chargers
- ✘ Installing for private residences



SG EVCP Eligibility – Eligible Expenses

- ✓ Costs for equipment and materials
- ✓ Installation and construction costs by an electrical contractor
- ✓ Engineering and design costs, with detailed rationale and scope of work
- ✓ Permitting and inspection costs
- ✓ Site signage, parking space painting, physical barriers
- ✓ Electrical service upgrades on a case-by-case basis



EVCP Eligibility – Ineligible Expenses

- ✘ GST, taxes, land, and legal costs
- ✘ Ongoing operations and maintenance costs
- ✘ Extended equipment warranties
- ✘ In-house labor and administrative costs relating to participating in the program



Application – Requirements

1. Application form – Found at mccac.ca
2. Equipment & Installation Quotes
3. Charger specification sheets
4. Installation location pictures



Participation Timeline



Review
Guidebook and
Resources



Submit
Expression of
Interest



Submit
Application



Sign Funding
Agreement &
Begin Project



Submit Completion
Docs and Receive
Funding

- Deadline for applications is March 31, 2023
- Projects must be completed before March 31, 2024

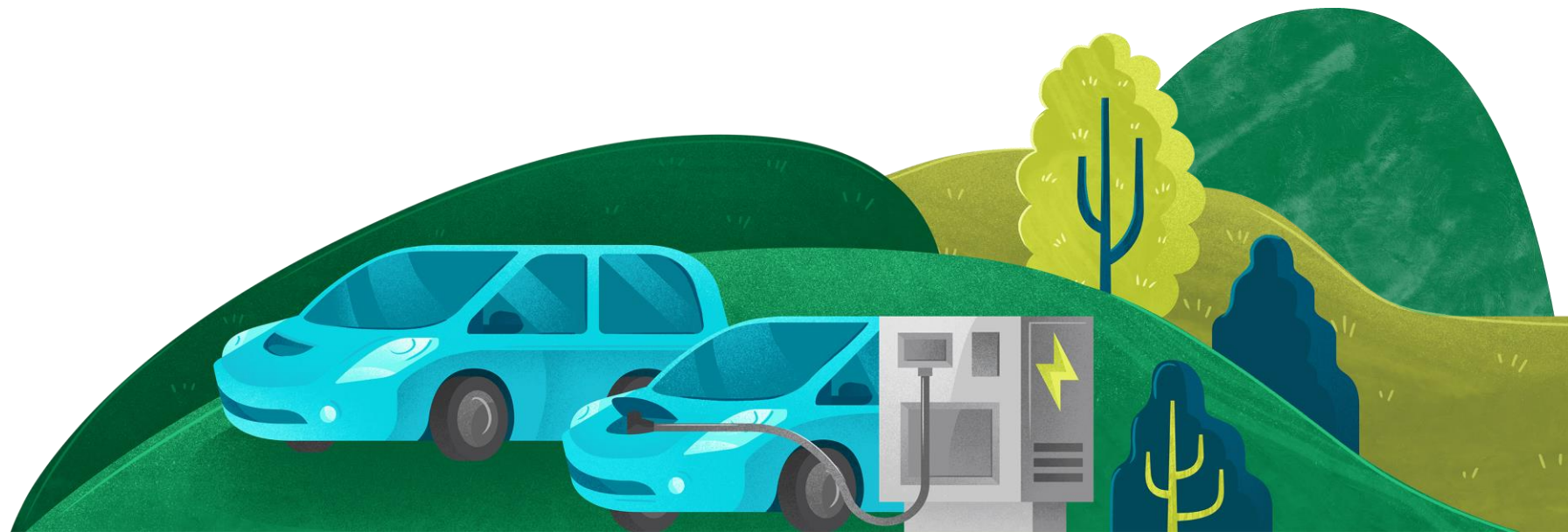


EVM Program

- Open to municipalities only
- Provides rebates for the purchase of: BEVs, PHEVs, Ice Resurfacers, Off-Road Vehicles
- Application deadline is March 31, 2023



Municipal
Climate Change
Action Centre



THANK YOU



Municipal
Climate Change
Action Centre

Questions:

Logan@abmunis.ca

A partnership of:



**FORTIS
ALBERTA**



**FORTIS
ALBERTA**

Rate 61: General Service (up to 2,000kW)

Rate 61:

Transmission Charges			
Component	Billing Unit	kW Rate	kVA Rate
System Usage Charge ¹	Peak Metered Demand (in kW or kVA)	\$0.281104 /kW-day	\$0.2529936 /kVA-day
Capacity Charge ²	kW [or kVA] of Capacity	\$0.142876 /kW-day	\$0.1285884 /kVA-day
Variable Charge	kWh	\$0.007640 /kWh	

Distribution Charges			
Component	Billing Unit	kW Rate	kVA Rate
System Usage Charge ¹	Peak Metered Demand (in kW or kVA)	\$0.094109 /kW-day	\$0.0846981 /kVA-day
Local Facilities Charge ²	kW [or kVA] of Capacity	\$0.099929 /kW-day	\$0.0899361 /kVA-day
Service Charge	Daily	\$1.208901 /day	

KW of Capacity:

- i. the highest metered kW demand in the billing period;
- ii. 85% of the highest metered kW demand in the past 12 month period including and ending with the billing period;
- iii. the Contract Minimum Demand as specified by the Terms and Conditions;
- or iv. the Rate Minimum of 50 kW

Note: kW Peak Metered Demand(PMD), kW of Capacity is discussed in the presentation for simplification of illustration purpose. There are also kVA PMD, and kVA of Capacity components under FortisAlberta' Rate 61 DT structure. for Please refer to FortisAlberta's Rates, Options and Riders Schedules for further details.

Rate 61: General Service (up to 2,000kW)



- Most DCFCs are categorized under FortisAlberta's Rate 61.
- D+T charges are tied to peak metered demand, contract minimum demand and historical peak power usage.
- Experience significant D+T charges even with low utilization of the facilities.
- Customers face uncertainty of forecasting power requirements and have no control of usage.

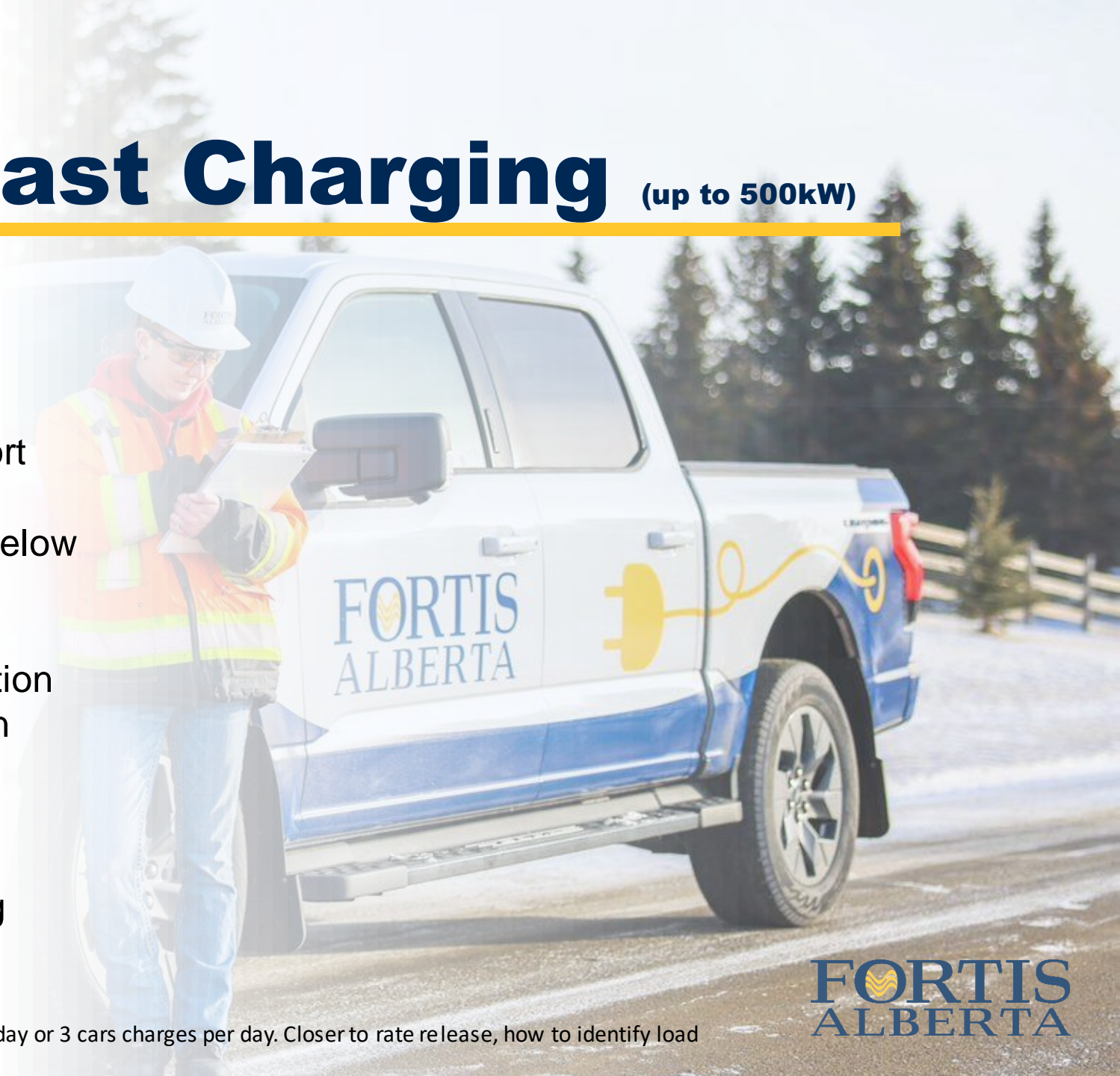
Rate 62: EV Fast Charging (up to 500kW)

Includes investment, the investment contribution is equivalent to Rate 61s.

Meant as an interim measure to support standalone public EV Level 3 charger technologies while utilization is low (*below 4-5% Load Factor).

Supports charging infrastructure adoption to hopefully reduce charging deserts in rural locations with lower EV adoption.

D+T charges based on actual energy usage. Customers are primarily paying based on Pay per Use.



Understand the Costs

Rate 62:

Transmission Charges		
Component	Billing Unit	Rate
Variable Charge	kWh	\$0.421426 /kWh

Distribution Charges		
Component	Billing Unit	Rate
System & Local Facilities Charge	kWh	\$0.168853 /kWh
Service Charge	Daily	\$1.208901 /day

For a 150 kW Level 3 EV charging station load, with 1 EV charging at the station for 20 minutes within a month:

Rate 62: D+T Cost = ~\$65

Investment as an example:

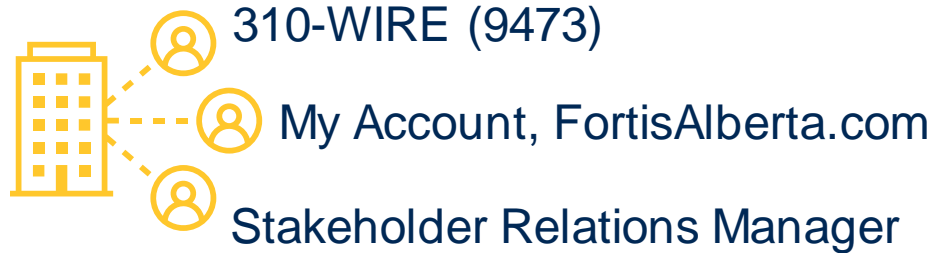
- A site with a standalone Level 3 150kW EV charger would receive a base investment of \$6,235.
- Further to the base investment, \$944 per kW for the first 150kW (\$141,600) is provided.

In this example the total maximum investment would be \$147,835.

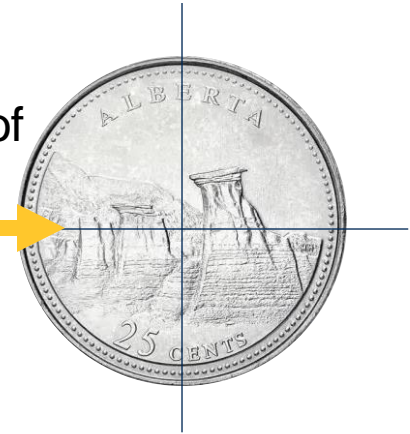
Note: for each kW over 150kW customers receive \$124 of additional investment.

Note: this is for illustration purpose only and demonstrates how Rate 62 impacts Level 3 Charging Station customers while utilization is low (or less than 4-5% load factor).

Rate Availability & New Applications



Quarter 3 or beginning of
Quarter 4 at the latest



FortisAlberta can provide a budgetary quote to complete financial considerations for the funding application deadline of March 31, 2023. Construction can then be completed prior to the March 31, 2024 cutoff when the rate is available.

- Location(s), including information about existing service
 - Example: is there already electricity on site, or will this be a new service?
 - Site maps are great!
- Connected load requirement (kilowatt size of the charger)
- Number and level of chargers you are planning to install
- The proposed panel size

Know Your Distribution Layout

For public use, FortisAlberta offers the Hosting Capacity Map (for generation but good for layout) and FortisAlberta's Service Estimator (FASE). FASE shows the service territory boundary, but in more rural locations does not always capture all available facilities as the Hosting Capacity Map does. *Note the respective disclaimers.*

The screenshot shows the FortisAlberta Service Estimator (FASE) web application. The page title is "FortisAlberta Service Estimator" and the main heading is "Residential Power Estimate". There are two main steps: "1 Enter Address" and "2 Select Location". Under "1 Enter Address", there is a dropdown menu for "Civic/Residential street address or city" and a search input field with the placeholder "Start typing to search". The address "Conklin, Wood Buffalo, AB, CAN" is entered in the dropdown. Under "2 Select Location", there is a "Place Pin" button and instructions: "Use the Place Pin button to drop a pin on the map at a designated location. To change locations, use the Place Pin button to drop a pin at the new location." Below the instructions is a map showing a distribution network with yellow and blue lines. The map includes a "Place Pin" button and a search input field. The map shows a grid of sections, with "Sec 36 T.76 R8 W4M" and "Sec 31 T.76 R7 W4M" labeled. The map is powered by Esri.

The screenshot shows the FortisAlberta Hosting Capacity Map web application. The page title is "FortisAlberta Hosting Capacity". The map displays a distribution network with yellow and red lines. A search result box is open, showing "Conklin, Wood Buffalo, AB, CAN" and a "Zoom to" button. The map includes a search input field and a "Place Pin" button. The map shows a grid of sections, with "Sec 36 T.76 R8 W4M" and "Sec 31 T.76 R7 W4M" labeled. The map is powered by Esri.

FortisAlberta.com – Electric Vehicles

Website can be found here: [FortisAlberta Electric Vehicle \(EV\) Information and Resources \(chooseev.com\)](https://www.chooseev.com)



For a limited time,
600 eligible
Alberta residents
will earn \$150

Electric Vehicle Smart Charging Pilot

If you are interested in promoting participation in the pilot and have any questions, please contact evpilotproject@fortisalberta.com

FAQ on the pilot can be found here: [2023 Electric Vehicle Smart Charging Pilot | FortisAlberta](#)

Questions & Answers

Q: We looked at location in our downtown area, how close to lines does the charger have to be for capacity?

A: Capacity at the feeder (line) is different than proximity to the line. We recommend submitting a request for a budgetary estimate with locations of the charging stations and the load level requirements. From that FortisAlberta's Customer Connections team can help provide a budgetary estimate on the distribution upgrade requirements based on available capacity in the area. Note, Level 3 chargers typically require access to 3ph power, so a closer proximity to a 3ph line may help reduce some connection costs but the capacity is still subjected to review. Refer to *Know Your Distribution Layout*.

Q: Previously had funding available but experienced challenge with Rate 61. If we were to reapply to MCCAC now, has funding changed?

A: Yes, last year MCCAC offered a municipally exclusive 100% rebate, but the program was fully allocated and has now closed. Now through the SouthGrow program, funding is sourced from NRCAN's Zero Emissions Vehicle Infrastructure Program which provides up to a 46% rebate. The program is administered by the MCCAC and is not exclusive to municipalities. Refer to *SG EVCP Eligibility – Organization Types*.

Questions & Answers

Q: Do TESLA chargers qualify

A: No, they do not. The charger needs to have a J1772, CCS-1 or CHAdeMO connector type. For additional considerations please refer to *SG EVCP Eligibility – Project Requirements*.

Q: For public chargers is Level 2 or Level 3 recommended?

A: This is a case-by-case basis. Level 3 chargers are an excellent option for providing fast charging infrastructure but typically only 1 or 2 drivers can charge at a time. Level 3 chargers are also more expensive so depending on location, budget and anticipate users a Level 3 may not be suitable. Level 2 provides the ability to support wider adoption and provide more charging ports to charge on, but they will be charging slower than Level 3. If located where users anticipate to spend longer, example shopping centers or recreation facilities, then the charge time may be less of a consideration. It should be noted that the funding is influenced by the size of charger and Rate 62 is only applicable to DCFC Level 3 chargers. Refer to *Funding and Rate 62: EV Fast Charging*.

Questions & Answers

Q: Does the grid have capacity for the widespread adoption of electric vehicles?

A: As more customers choose to drive electric vehicles (EVs), the overall power demands on the electric grid could increase. To understand the distribution system impacts that could be driven by EVs and its charging infrastructures, FortisAlberta has launched its [Rate 62](#) and [EV Smart Charging](#) program to understand their impacts to the distribution system from commercial and residential service levels. Both are expected to provide valuable load information that are beneficial for future grid planning, system effectiveness and stability. In addition, FortisAlberta is developing its distribution planning roadmap, working with external consultants to forecast future EV adoptions, and remaining in close engagement with our customers to understand future plans for EV infrastructures deployments.

This grid will respond to this increase in electrification as it has historically to other demand increases.

COVID-19 in Continuing Care Facilities – Recommendations from the Office of the Auditor General

Recommendation 1: Update and expand a pandemic plan common to the entire continuing care sector.

Responsibility: Alberta Health

- Alberta Health has been asked to develop an up-to-date, comprehensive, continuing care-focused pandemic plan relevant to all key stakeholders – Alberta Health, AHS, and facility operators. The plan will use pre-existing continuing care pandemic plans maintained by AHS and plans from operators for their sites as a starting point, and reflect learnings from the COVID-19 response.
- In March 2020, AHS updated its existing Pandemic Operational Guide and has continued updating it with lessons learned throughout the course of the pandemic.
- In June 2020, using learnings from wave 1, AHS also updated the *Guide to Assessment Treatment and Stabilization in Place Continuing Care* for COVID.
- AHS will work closely with Alberta Health to further update the pandemic plan, including relevant AHS plans. This includes working with operators to ensure their pandemic plans align with the provincial response.

Recommendation 2: Exercise and simulate updated plan regularly, with all parties.

Responsibility: Alberta Health.

- Alberta Health has been asked to lead periodic pandemic response exercises for Alberta's facility-based continuing care sector, based upon a continuing care specific plan, across all levels of the system, and involving operational and front-line staff.
- Simulations would be based on realistic disease examples, including respiratory diseases such as COVID-19.
- AHS will work with Alberta Health on this recommendation, both participating in simulations and reporting our lessons learned, while also providing recommendations and supports as needed.

Recommendation 3: Develop a continuing care staffing strategy to increase staffing system resilience.

Responsibility: Alberta Health.

- Alberta Health has been asked to develop and implement a staffing strategy for facility-based continuing care. This strategy would build on efforts already underway focused on staffing hours and staff mix from the response to the *Facility-Based Continuing Care review* recommendations and consider other factors that contributed to staff vulnerability during COVID-19.
- AHS will share with Alberta Health our operational knowledge, experience and expertise to support and inform the development of this strategy.

Recommendation 4: Formalize centre of expertise capacity for outbreak management.

Responsibility: Alberta Health Services.

- AHS has been asked to formalize multi-disciplinary outbreak response and support systems that would provide centre of expertise services, monitor and track, debrief and report on, communicable disease outbreaks at continuing care facilities, as well as other residential care and treatment facilities funded by AHS.
- AHS has existing provincial and zone-based expertise to support communicable disease outbreaks at continuing care facilities, including IPC specialists, CDC and public health experts.
- As the pandemic progressed, processes were adapted based on learnings to better support sites experiencing an outbreak. AHS took steps to protect residents of long-term care and designated supportive living from COVID-19 by implementing strict measures to prevent or limit the spread of the virus. Starting in wave 1, these measures included visitation restrictions, limiting staff to working at single sites, hiring temporary contracted staff, and isolation protocols for residents or staff who fell ill. Where possible, these measures also took into account the balance between protection and the mental health effects of isolation.
- Beginning in December 2020, AHS has also enhanced outbreak management support to outbreak zones and sites including infection prevention and control, public health and quality resources to support outbreak responses in continuing care facilities.
- Working with operators, system partners and stakeholders, AHS will continue to develop and formalize outbreak response systems specific to continuing care facilities.

Recommendation 5: Formalize operational improvements in outbreak testing.

Responsibility: Alberta Health Services.

- APL accepts the recommendations made by the OAG. During the COVID-19 pandemic, APL implemented many ongoing changes to expedite and improve the timeliness of the delivery of lab results during the COVID-19 pandemic.
- During the pandemic, APL took immediate steps to correct issues with the way that COVID-19 samples were being collected, including working with AHS and continuing care facilities to develop manual workarounds to get results to facilities as quickly as possible. As well, APL staff provided significant education to facilities on proper labelling and documentation for swabs. APL continues to collaborate and communicate with sites to educate and identify missing information on requisitions that direct the testing performed.
- In the summer of 2020, at a time where significant numbers of public swabs were being completed, APL began prioritizing testing of swabs from some high-priority areas, such as those under COVID-19 outbreak investigation, including continuing care and healthcare workers.

- In early fall, 2020, AHS worked with APL and continuing care facilities, equipping them with a significant number of testing supplies, reducing the need for sites to order supplies when needed, thereby reducing testing times.
- Processes that have been developed as the pandemic evolved have been or are being incorporated into routine practices and shared with operators to ensure alignment and adoption province wide.

Recommendation 6: Evaluate all existing infrastructure and set a strategy for improving facility infrastructure.

Responsibility: Alberta Health.

- Alberta Health has been asked to develop a priority list and strategy for upgrading or eliminating existing continuing care buildings based on a comprehensive assessment of all continuing care facilities to be completed by AHS.
- AHS has made good progress through holding preliminary conversations with operators of aging infrastructure to review modernization needs, and creating a priority list of needs.
- AHS will complete the assessments required by AH, to support their development of a priority infrastructure list.
- AHS has also already worked with Alberta Health and Alberta Infrastructure to update Continuing Care Design Standards and Best Practices in Alberta. These design standards will ensure new and modernized facilities incorporate the latest features for resident and staff safety.
- Changes include completing the move to private rooms in Continuing Care, ensuring more separation, and improved health and safety for continuing care staff during an outbreak.
- All ward accommodations were eliminated early in the pandemic, and selectively shared two-bed rooms were converted to private rooms based on zone assessments of risk.
- Working closely with operators, AHS will also continue to eliminate all two-bed resident accommodations.

Recommendation 7: Track resident illness and staff absences during communicable disease outbreaks in facilities.

Responsibility: Alberta Health Services.

- AHS has been asked to develop or adapt a surveillance system to track all resident cases and deaths, as well as information on staff absences, during any communicable disease or outbreak in facilities. This data would be used to inform risk and quality management at zone and provincial levels.
- AHS already tracks resident cases for communicable disease outbreaks in continuing care.
- The safety of our staff and our residents is a priority for AHS and we take every measure possible to ensure cases are tracked, and steps are taken to protect those in our care.

- Reviewing our current practice, AHS will develop additional process improvements, where possible, as well as new practices for tracking staff absences during communicable disease outbreaks.

Recommendation 8: Implement recommendations from Alberta Health Services internal reports.

Responsibility: Alberta Health Services.

- AHS has been asked to accumulate, evaluate and implement all recommendations, lessons learned, and other required actions identified in its own internal summary reports on continuing care outbreaks.
- AHS has consolidated the recommendations from internal reports and has completed a number of actions as the pandemic progressed. Some examples include:
 - AHS worked with the CMOH around the need to understand and recognize the health impacts on families and loved ones which contributed to Order changes.
 - The dedicated operator liaison remained in place throughout the pandemic and the email line remains open today.
 - As per initial CMOH orders, high-touch cleaning requirements were in place and persisted in IPC documents after orders were rescinded.
 - Recognizing the impact of suspended programs, AHS reviewed these programs and where there were alternatives, they were implemented. Programs were reinstated as soon as feasible.
 - AHS reviewed the approach to limiting Home Care and that strategy was removed as the impact of COVID-19 was better understood.
- AHS will report on actions taken as part of the COVID-19 response, and how the effective actions and lessons learned were incorporated into care. The work has been ongoing since the pandemic began and will continue indefinitely as AHS continues to improve on processes.
- We will continue to review recommendations to ensure we have considered all of them for both ongoing processes and future pandemic planning.

From: [Community Engagement](#)
To: [Community Engagement](#)
Subject: Office of the Auditor General report – COVID-19 in Continuing Care
Date: February 23, 2023 12:22:14 PM
Attachments: [image001.png](#)
[OAG COVID Recommendations.pdf](#)

To all Alberta Municipal Elected Officials:

Today, Alberta's Office of Auditor General (OAG) [released a report](#) on Alberta Health Services' and Alberta Health's response to COVID-19 in Continuing Care facilities, examining the period of time from March 2020 to December 2020.

We grieve the loss of every resident who died during this unprecedented time, and our thoughts are with anyone who lost a family member or loved one.

The COVID-19 pandemic challenged our system, and older adults - including residents of continuing care facilities - were disproportionately impacted by the virus. This is true in North America, and globally.

Health jurisdictions across the world adapted quickly as the pandemic spread during the first wave, and in Alberta, the situation was no different. AHS consulted and collaborated with our counterparts regularly to learn more about the virus and adapted our response based on real-time impacts being felt across the country. We also worked collaboratively with operators.

Resident safety and quality of care remained at the core of every decision and action. Significant work went into protecting continuing care residents immediately during the first wave, and lessons were learned and applied in subsequent waves. These same learnings have also allowed us to better prepare for future events of this type and identify ongoing improvements to our system.

As best practices developed, AHS implemented them quickly across both continuing care and acute care, working to reduce spread of the virus, and to improve care for all.

For example:

- Site Preparedness Assessments were completed across the province, which helped sites prepare to avoid or deal more effectively with an outbreak. Comprehensive site inspections were conducted in April 2020, and by July 2020, all sites had been assessed, which saved lives.
- AHS implemented quality monitoring and inspection processes at the start of the pandemic response to ensure that sites were appropriately implementing staff and infection prevention and control practices to support care during outbreaks.
- On March 30, 2020, AHS began conducting Quality Monitoring Visits at sites with new COVID-19 outbreaks or where concerns were raised and focused on staffing levels, quality of care, IPC practices, and public health best practices.

The OAG report highlights that AHS did respond quickly to many of the challenges facing the continuing care sector during wave 1, and also identifies areas where that response could have been

better.

We are grateful to the OAG for their report, and we accept all recommendations directed to AHS (please see attached) or where we have a supporting role to Alberta Health. AHS has already implemented responses to the recommendations and will work with operators moving forward in support of the overall pandemic plan from Alberta Health.

Our work will further strengthen processes and policies designed to protect residents and loved ones, and build a sustainable and innovative continuing care system for all Albertans.

We are invested in making improvements, in increasing continuing care capacity, enhancing home care, and innovating and diversifying care options. We are invested in care for all Albertans.

Thank you for your continued interest and support in our work. For more information continuing care in Alberta, please visit <https://www.albertahealthservices.ca/cc/page15328.aspx>.

If you have any questions, please email us at continuingcare@ahs.ca.

Many thanks,

Janine Sakatch

(Pronouns: she/her)

Community Engagement & External Relations
Alberta Health Services



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BULLETIN

03-2023

March 3, 2023

To all Authorized Employers:

Re: Registrar Exemption – Blue Lights

The purpose of this bulletin is to provide information about recent exemptions regarding blue lights.

These Registrar Exemptions allow the optional use of blue flashing lights on tow trucks and support vehicles while stationary, as well as maintenance vehicles such as snow plows.

Please note that the maintenance vehicles no longer have to be under contact with the Government of Alberta. These new Registrar Exemptions replace the exemption dated July 20, 2022, and the permit dated October 31, 2022.

Alberta Transportation has provided the attachments for your information. For any enquiries regarding this pilot project, please contact Transportation and Economic Corridors Permitting and Exemptions Office by e-mail at trans.exemptions@gov.ab.ca.

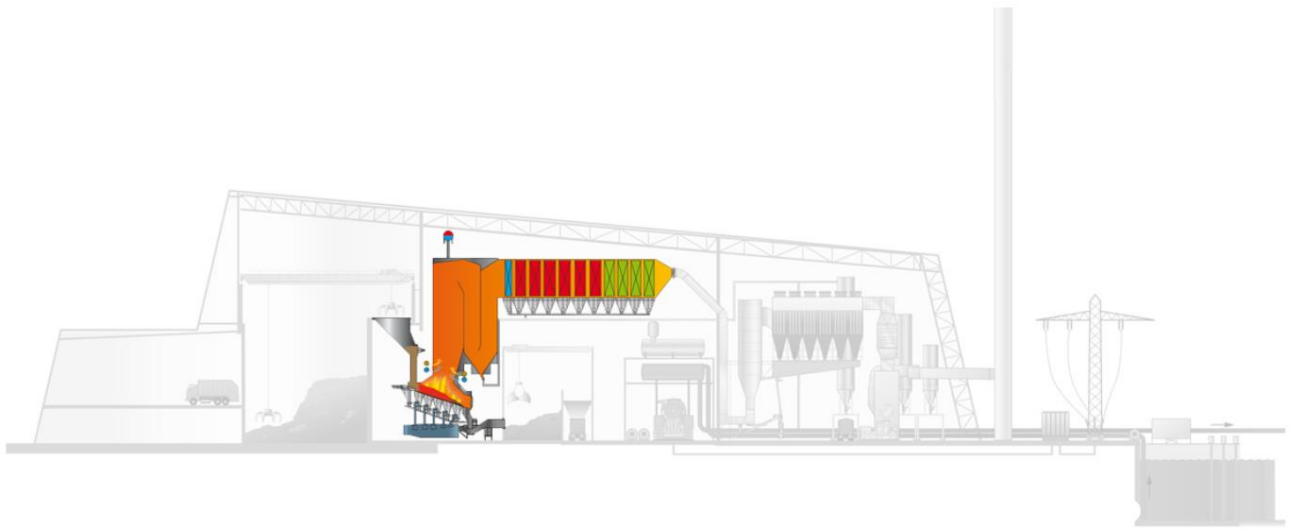
Thank you.

Sincerely,

Sean Bonneteau, CD
Director
Law Enforcement Standards and Audits

Attachments

SAEWA ROADMAP



FEBRUARY 27, 2023



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MESSAGE FROM THE CHAIR

The Southern Alberta Energy from Waste Association's journey in a word has been one of "patience" involving a step-wise engineering process to get to this point in our journey, with the announcement of a preferred proponent (*Energy from Waste Project Heats Up, January 30, 2023*) to move forward the Energy-from-Waste Facility development in partnership with Hitachi Zosen INOVA - "HZI".

Despite the disruptions created by the pandemic, immediately post the selection of a preferred site we managed to maintain course by pivoting to on-line meetings, engagement and managing monthly briefings to keep our stakeholders immersed in the progress being made, while still managing to make great strides that included taking the project to a public Request for Expression of Interest to host development of a 300,000 tonne Energy-from-Waste Facility.

SAEWA has a strong and collaborative history that we all can be proud of, as the original champions that formed Southern Alberta Energy from Waste Alliance in 2009 have continue to be engaged and supportive of the project. The original champions rallied to form Southern Alberta Energy from Waste Association in 2012 registering the organization as a non-profit society. SAEWA since then has retained over 67% of the original membership maintaining a collaborative process in development of an Energy-from-Waste Facility that will provide a solution to landfilling waste in Southern Alberta within the member footprint.

It is very exciting and empowering knowing that we are now working on the development of a Memorandum of Understanding with Hitachi Zosen INOVA to move forward development of a 300,000 tonne Energy-from-Waste Facility that will reduce over 750 Million tonnes Greenhouse Gases and Methane over the 35 year lifecycle for the facility that will also produce green energy. - The facility will employ over 500 people during the construction phase and bring millions of dollars in revenue for the economic region.

The incredible future for SAEWA's vision includes seeing the reality of shovels in the ground in development of a 300,000 tonne energy from waste facility in Southern Alberta.

Thank you to our members, stakeholders, the Project Steering Committee, the SAEWA Executive and Board and our new partners, Hitachi Zosen INOVA for taking such a collaborative vision forward in the path of success!

Tom Grant, SAEWA Chair

OVERVIEW OF SAEWA'S PROJECT ROADMAP

Background

The Southern Alberta Energy from Waste Association {acronym: SAEWA – also pronounced as Say-wah} was originally established prior to 2012 as the Southern Alberta Energy from Waste Alliance by a group of champions representing Southern Alberta municipalities and waste authorities that came together with the vision of finding a feasible solution to landfilling residential waste. In 2013 SAEWA was registered as a non-profit society and retitled Southern Alberta Energy from Waste Association where a mandate was set in support of the vision. The bylaws were registered and the journey of SAEWA, the membership began. Moving forward this project has been a journey not always quick in process as it has been labored in scheduling delays as it worked tenuously through feasibility studies, planning and engineering work in conjunction with having to wait for grant intake opportunities in order to apply for funding at both the Alberta Provincial and Federal levels to move forward.

To date SAEWA has been successful in completing \$3.5 million in project development work which has been no easy feat given the need through this entire process to marry grant program intakes, applications and detailed step-wise engineering and planning processes to move forward this level of progress. Through all this, SAEWA has been very fortunate to have maintained the membership levels it has over the years given the challenges to schedules, the changes elections made to faces around the table, but through it all over 67% of the membership has been retained in their spirit of collaboration and commitment to a common goal in support of the SAEWA vision.

The entire Board recognizes how remarkable it is to arrive to this point given the amount of energy, time and perseverance that has been dedicated to this project. A true demonstration of the spirit of collaboration that thrives within the membership.

HOW DID WE GET HERE – CHRONOLOGICAL ROADMAP:

2009 – Champion Group formed Southern Alberta Energy from Waste Alliance with vision to find an alternative to landfilling residential waste.

2012 – Rebranded and registered Southern Alberta Energy from Waste Association (SAEWA) as a membership society and non-profit.

2013 – With the support of AECOM Engineering Group initiated Feasibility studies with the support of the Vulcan Economic Development Association and funded by the Regional Collaboration Program.

2014 – 2015 HDR Engineering Corporation as Lead Engineering firm completed Project, Communication and Procurement Planning funded by the Regional Collaboration Program.

2015 – 2016 Brownlee LLP completed Governance Model Framework, Initial Memorandum of Understanding for Waste Agreements with member municipalities and waste authorities, and Registered SAEWA as a corporation as a holding account for future development funded by the Regional Collaboration Program – mid application program was restructured to the Alberta Community Partnership.

2016 – HDR Engineering Corporation as the Lead Engineering firm developed the Initial Business Plan funded by the Alberta Community Partnership Fund Program.

2017 – 2018 HDR Engineering Corporation as the Lead Engineering firm did oversee 2S Oilfield Consulting to complete a seasonal Waste Stream Characterization Study Analysis and Report that was funded by Southern Alberta Energy membership proceeds.

2019 – HDR Engineering Corporation as the Lead Engineering firm did oversee the Transportation Study completed by the University of Alberta Engineering Division and as well a third-party review and report of the Greenhouse Gasses Reduction (GHG) potential completed by The Pembina Group with both initiatives funded by the Federation of Canadian Municipalities (FCM) Greenfund Program,

2019 – HDR Engineering Corporation as the Lead Engineering firm developed a Detailed Business Plan and Executive Summary Report funded by the Alberta Community Partnership Fund Program.

2020 – 2021 HDR Engineering Corporation as the Lead Engineering firm did work with SAEWA on the Request for Proposal to Host the Energy-from-Waste Facility Site and the prequalification analysis as Stage One (1), and the geotechnical qualification screening and evaluation process as Stage Two (2) in review of the eleven (11) site

submissions that were received from nine (9) member municipalities resulting in the selection of the Newell County Landfill as the preferred site. The completion of the projects made possible by the Alberta Community Partnership Funding Program.

2021 – 2022 HDR Engineering Corporation as the Lead Engineering firm did initiate the Request for Proposal for Expression -of-Interest from an Energy-from-Waste (EFW) Development partner with SAEWA and as a result of receiving submissions from three (3) EFW consortia as COVANTA ENERGY CANADA, HITACHI Zosen INOVA, and SUEZ VEOLIA. The project was funded by the Alberta Community Partnership Fund Program.

2022 – 2023 HDR Engineering Corporation as the Lead Engineering firm, as well the Expression-of-Interest Steering Committee (appointed by the SAEWA Board) did screen submissions for completeness, evaluate and score the submissions, and provide a step-wise interview screening process to the consortia in supporting the Steering Committee to make a recommendation of a preferred proponent to the SAEWA Board.

2023 – SAEWA Board announced the selection of HITACHI Zosen INOVA as the preferred proponent to move forward in development of an initial Memorandum of Understanding to partner in development of the 300,000 tonne per year Energy-from-Waste Facility.

2023 FORWARD ROADMAP

SAEWA has submitted an application to the Alberta Community Partnership Fund Program Winter 2022 intake in request of \$200,000 to complete a detailed Memorandum of Understanding to move forward partnership in development of the 300,000 tonne per year Energy-from-Waste Facility.

The funding application was collaboratively and unanimously supported by the municipal membership, waste authorities, Members of Parliament, and Alberta MLA's within the member footprint including MLA Danielle Smith (Medicine Hat – Brooks). SAEWA expects the next steps to involve signing of a MOU to create the development partnership to move forward on a Joint Development Agreement assigning risk & responsibilities, and funding to move forward the development of the EFW Facility that will also include an environmental applications and public engagement process.

SAEWA AND IT'S PARTNER HITACHI ZOSEN INOVA VISION:

Shovels in the ground 2027 – 2028.



SAEWA ANNOUNCES PREFERRED PROPONENT, JANUARY 30, 2023



MEDIA RELEASE

Energy from Waste Project Heats Up

January 30, 2023

The Southern Alberta Energy from Waste Association – SAEWA is pleased to announce publicly that after a long and rigorous Expression-of-Interest and Evaluation Process – that the SAEWA Board on January 27, 2023 did approve the Steering Committee's recommendation of an Energy-from-Waste Partner, identified as HITACHI ZOSEN INOVA - HZI with a view to establishing a formal project development agreement for implementation of SAEWA's vision for an energy from waste facility in Southern Alberta.

Statement from the SAEWA Chair, Tom Grant -

"As Chair of SAEWA, I am extremely proud of the progress made and to have received the Board's Motion in approval to establish a formal partnership agreement with HZI. "The process has been long but rewarding to the Board and our members to finally get here".

Statement from the SAEWA Vice Chair/Project Lead, Paul Ryan –

"It has taken a long time to get to where we are today, and we could not have done it without the full support of the SAEWA Board of Directors and the Steering Committee. I look forward to leading the Project with the Steering Committee to the next level and establishing a formal partnership agreement with HZI."

Statement from HITACHI ZOSEN INOVA – HZI

"HZI is delighted to have been selected by SAEWA to deliver a cost effective world-class Energy from Waste facility for the communities, businesses and municipalities of Southern Alberta" said Stuart Mander, Director of Project Development at HZI.

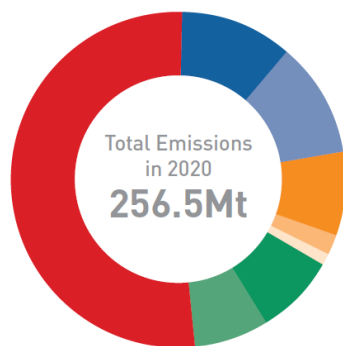
"When operational the new plant will be equipped with HZI technologies such as HZI's own reciprocating grate and our state-of-the art boiler whilst ultimately being designed to fully comply with the most stringent emission limit requirements to satisfy the high demands placed on modern Energy from Waste facilities"

*Media Contact: Paul Ryan, SAEWA Vice Chair / Project Lead

(403) 609-7465

ENERGY-FROM-WASTE EMISSIONS REDUCTIONS:

Summary of Estimated GHG Annual Emissions	Refuse Derived Fuel with Combustion	Mass Burn Combustion	Gasification	Plasma Arc Gasification	Landfill
Disposal (MTCO ₂ /yr)	7,030	0	7,030	7,030	58,587
Combustion (MTCO ₂ /yr)	84,140	78,116	84,140	84,140	0
Transportation (MTCO ₂ /yr)	2,483	2,456	2,483	2,474	1,635
Facility Fuel Usage (MTCO ₂ /yr)	244	228	244	238	532
Electrical Purchase and Sales (MTCO ₂ /yr)	-92,276	-104,265	-76,894	-45,650	0
Ferrous & Non Ferrous Recovery (MTCO ₂ /yr)	-31,906	-31,906	-31,906	-31,906	0
Net GHG Estimated Emissions (MTCO₂E/yr)	-30,300	-55,400	-14,900	16,300	60,800
GHG Emissions Reduction Relative to the Landfill (MTCO ₂ E/yr)	91,100	116,200	75,700	44,500	-
Percent Reduction	150%	191%	125%	73%	-



Alberta's GHG Emissions Profile (Mt CO₂e) 2020 Data

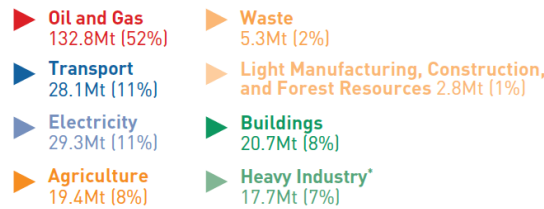
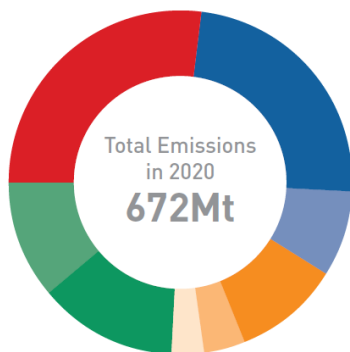


Figure 1: Alberta's GHG Emissions Profile per industry based on Canada's 2020 National GHG Inventory Data



Canada's GHG Emissions Profile (Mt CO₂e) 2020 Data

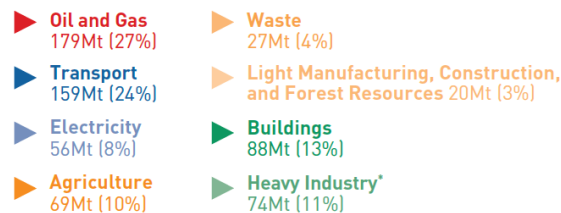


Figure 2: Canada's GHG Emissions Profile per industry based on Canada's 2020 National GHG Inventory Data

ENERGY-FROM-WASTE FACILITY OUTPUTS:

Attraction of Innovation

Carbon Sequestration Credits

Steam – co-location generation

Metals

Bottom Ash - commodity

Sale of green Energy

Table 1 summarizes historical price statistics over the 10-year period between 2012 and 2021.

TABLE 1: Annual market price statistics

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Pool price (\$/MWh)										
Average	64.32	80.19	49.42	33.34	18.28	22.19	50.35	54.88	46.72	101.93
On-peak average	84.72	106.13	61.48	40.73	19.73	24.46	59.28	64.12	54.72	122.61
Off-peak average	23.51	28.29	25.28	18.55	15.37	17.64	32.47	36.40	30.71	60.58

EFW ECONOMIC OUTPUTS:

A Better Waste Management Alternative

- The proposed Energy-from-Waste facility to be located in Newell County, is planned to process a maximum of 300,000 metric tonnes of municipal solid waste per year from various SAEWA member municipalities and other waste generators across southern Alberta.
- The primary purpose of the facility is to divert waste streams from landfill sites resulting in GHG emission reductions estimated at 7 million metric tons of CO₂-equivalents – equivalent to taking over 53,000 vehicles off the road, and currently valued at \$75 million over the lifecycle of the project.
- The facility would generate approximately 205,000 MWh of electricity per year – enough to power over 28,000 homes, resulting in annual revenues of at least \$11 million per year. Additionally, alternative energy sales opportunities such as selling steam to neighbouring industrial facilities could also prove to be even more valuable.
- The facility is also estimated to recover 5,400 metric tonnes of metal annually for recycling.
- Other waste streams could also be processed at the facility, including railway ties, specified risk materials, and other unique waste streams from local industrial facilities.

EFW ECONOMIC IMPACTS:

- Development of the 300,000 tonne scale EfW facility in Southern Alberta will stimulate the energy and value-add economy which directly represents key pillar priorities framed within the Province's Recovery Plan economic diversification and energy innovation goals.
- The construction of the facility will create approx. 490 high-paying jobs over 3 years (1,471 job-years) generating approx. \$108 million in employment income, generate approx. \$442 million in business revenues (mainly in Alberta), and add approx. \$183 million in GDP.
- The ongoing operations of the facility will create an additional approx. 57 direct permanent jobs and approx. 69 indirect jobs (for a total of 126), generating approx. \$11 million in employment income.
- The EfW facility will spur additional economic development. The facility has the ability to use steam energy for district heating enabling co-location such as greenhouse, agricultural production, anaerobic digestion facilities and further providing energy to nearby industries such as meat packing plants.

Detailed Economic Impact Estimates

Table 1: Impact of Facility Construction, Cumulative over Construction Period

Type of Effect	Output, \$M	GDP, \$M	Employment Income, \$M	Jobs (Job-Years)	Average Salary, \$
Direct	\$281.1	\$89.5	\$60.2	762.4	\$78,927
Indirect	\$106.7	\$55.7	\$33.6	435.4	\$77,146
Induced	\$54.3	\$38.1	\$14.0	273.4	\$51,337
Total	\$442.2	\$183.3	\$107.8	1,471.3	\$73,272

Note: monetary values are in 2015 dollars.

Table 2: Impact of Facility Operations, Average Annual

Type of Effect	Output, \$M	GDP, \$M	Employment Income, \$M	Jobs	Average Salary, \$
Direct	\$24.7	\$12.2	\$5.9	56.8	\$104,429
Indirect	\$14.0	\$6.9	\$3.5	42.6	\$81,355
Induced	\$5.3	\$3.7	\$1.4	26.6	\$51,389
Total	\$44.0	\$22.8	\$10.8	126.0	\$85,421

Note: monetary values are in 2015 dollars.

WASTE TO ENERGY: GREEN SOLUTIONS FOR EMERGING MARKETS

(Article: KPMG)

New solutions for new imperatives

WTE technologies convert non-recyclable waste into usable forms of energy. The heat from the combustion of waste generates superheated steam in boilers, and the steam drives turbogenerators to produce electricity.

Waste management has become an imperative given that most cities are running out of landfill sites – the traditional method of disposing waste. With increasingly limited land availability and the steady growth of cities, governments need to implement effective and sustainable waste management solutions including WTE technologies.

WTE is only one part of a comprehensive, waste management plan,” says Edwin Yuen, Senior Private Sector Operation Specialist at the Asian Infrastructure Investment Bank. “Projects should begin with waste minimization as a public policy, followed by waste recycling and WTE incineration, and ending with the remaining ash delivered to local landfills.”

WTE systems provide a highly valued source of renewable energy, but perhaps the greatest benefit of WTE today comes from its ability to convert waste into ash, reducing by up to 90 percent the volume of waste going to landfills.¹ This reduction in waste can also help contain the amount of methane emissions from landfills with decomposing organic materials.

WTE is one of several imperatives for sustainable waste management. WTE systems can be an effective supplement to fossil fuel-based power sources while also reducing landfill requirements in urban environments, generating renewable energy and producing revenue for municipalities and governments.

Proven technologies

WTE technology has been developed and implemented for decades. The most robust technology is 'moving grate, mass burn' technology featuring a moving grate that burns Municipal Solid Waste (MSW) on a grate travelling from a feed shaft to the ash pit. The moving grate technology does not require pre-treatment or sorting of MSW, allowing it accommodate large quantities and variations of waste

composition and calorific value. The technology has been used for over a century, with a proven track record of operation for mixed MSW treatment.

Between 2003 and 2011, at least 106 moving grate incineration plants were built worldwide for MSW treatment.⁴ One of the world's largest moving grate incineration plants was installed in Singapore by Mitsubishi in 2000, providing a capacity of 4,300 tons per day (tpd) of waste.⁵

A wide range of technology solutions for WTE – some already used in developed markets – is expected to be implemented in Southeast Asia in the years to come. 'Fluidized bed' is a cleaner and more efficient technology for converting waste to electricity, but the process needs a more uniform waste size to operate, making it more complicated and expensive compared to moving grate systems. 'Gasification' plants use plastic and organic solid waste in a chemical conversion process that creates and burns synthesis gas at high temperatures.

The economics of WTE

The WTE market is projected to grow at an annual rate of over 15 percent and reach a value of US\$13.66 billion by 2023.⁶ Tapping into this market is a variety of commercial banks, multilateral development banks, financial sponsors, and private equity firms. In general, financial equity is less available in emerging markets but more common in developed markets such as Australia.

In a typical PPP structure for WTE projects, the developer undertakes the development of the project under the Design-Build-Own-Operate (DBOO) model. In the DBOO model, the developer secures its own financing and builds, owns, maintains and operates the WTE facility to meet the contracted WTE capacity over the lifespan of the facility, which is about 25-30 years. WTE facilities require significant upfront investments and developers and their financiers require assurances from the government agency commissioning the project that enables the investment to be recovered over time.

Yuen points out that any development strategy involves the basic economics of how a WTE facility makes money. Along with government incentives, WTE is based mainly on two sources of revenue. The first source is a gate fee charged when municipalities, businesses or other organizations deliver their waste to the facility for disposal. The second source is the generation of electricity that is sold to local power grids. (End products of WTE incineration like ash represent a third but smaller source of revenue.)

Yuen explains that the gate fee is driven by the volume of waste, and electricity sales are driven by the heat produced. This fact, in turn, can influence the business model of the WTE project. The more waste that is combustible, like plastics, paper or wood, the hotter the furnaces burn and the higher the caloric value (CV) produced. The more non-combustible waste, like bricks or glass, the lower the CV. This mix determines the facility's revenue streams.

In addition, safety regulations require that the facility is designed for a certain thermal capacity. If the percentage of combustible waste is too high, the CV value will be above the designated level, and the operator will have to reduce the amount of waste going through the facility. This reduces gate fees. However, if the CV is too low, the facility generates less electricity that it can sell.

“The single biggest challenge for WTE,” says Yuen, “is to balance the right CV and quality of the waste to optimize both waste volumes and electric sales.”

MOVING GRATE INCINERATION: POWERING A GREENER FUTURE

Moving Grate Incineration: The Most Common WTE Technology

By Rachael Lew | November 29, 2022 - 9:30 am |

Incineration is the most popular waste treatment method that transforms waste materials into useful energy. The incineration process converts waste into ash, flue gas, and heat. The type of thermal WTE technology most commonly used worldwide for municipal solid waste is the moving grate incineration. These moving grate incinerators are even sometimes referred to as as the Municipal Solid Waste Incinerators.

There are more than 1500 Waste-to-Energy plants (among 40 different countries) there is no pre-treatment of the MSW before it is combusted using a moving grate. The hot combustion gases are commonly used in boilers to create steam that can be utilized for electricity production. The excess energy that can't be used for electricity can possibly be used for industrial purposes, such as desalination or district heating/cooling.



Benefits of Moving Grate Incineration

The moving grate incineration technology is lenient in that it doesn't need prior MSW sorting or shredding and can accommodate large quantities and variations of MSW composition and calorific value. With over 100 years of operation experience, the moving grate incineration system has a long track record of operation for **mixed MSW treatment**. Between 2003 and 2020, it was reported that at least 200 moving grate incineration plants were built worldwide for MSW treatment. Currently, it is the main thermal treatment used for mixed MSW.

Compared to other thermal treatment technologies, the unit capacity and plant capacity of the moving grate incineration system is the highest, ranging from 10 to 920 tpd and 20

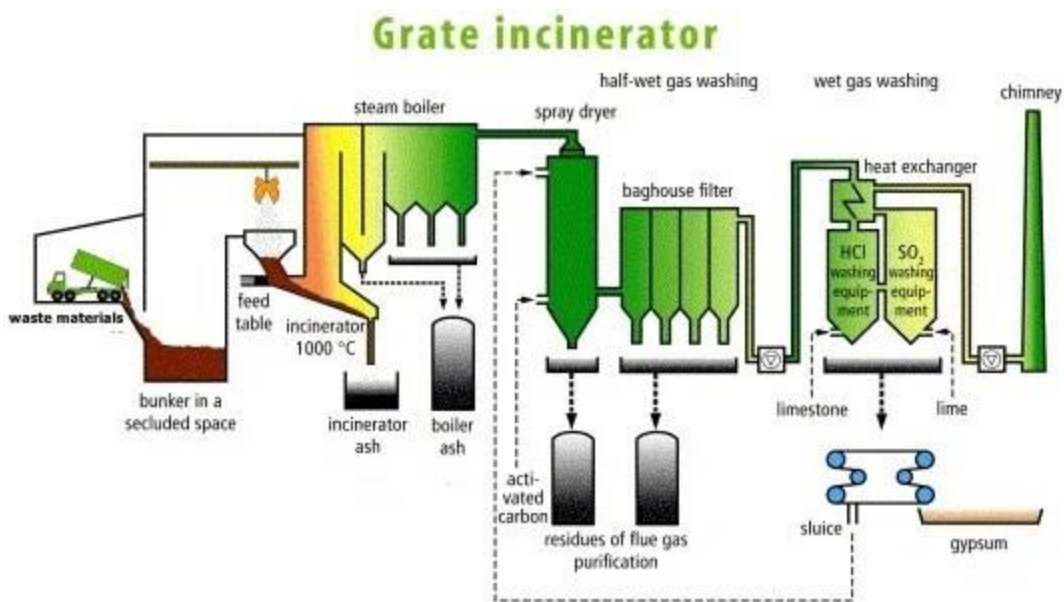
to 4,300 tpd. This system is able to operate 8,000 hours per year with one scheduled stop for inspection and maintenance of a duration of roughly one month.

Today, the moving grate incineration system is the only treatment type which has been proven to be capable of treating over 3,000 tpd of mixed MSW without requiring any pre-treatment steps. Being composed of six lines of furnace, one of the world's largest moving grate incineration plants has a capacity of 4,300 tpd and was installed in Singapore by Mitsubishi in 2000

Working Principle

Moving grate incineration requires that the grate be able to move the waste from the combustion chamber to allow for an effective and complete combustion. A single incineration plant is able to process thirty-five metric tons of waste per hour of treatment.

The MSW for a moving grate incinerator does not require pre-treatment. For this reason, it is easier to process large variations and quantities. Most of these incineration plants have hydraulic feeders to feed as-received MSW to the combustion chamber (a moving grate that burns the material), a boiler to recover heat, an air pollution control system to clean toxins in the flue gas, and discharge units for the fly ash. The air or water-cooled moving grate is the central piece of the process and is made of special alloys that resist the high temperature and avoid erosion and corrosion.



Working principle of a grate incinerator



REQUEST FOR DECISION 22-03-032

MEETING: Regular Council Meeting

Date: March 21, 2023

AGENDA NO.: 13

TITLE: Next Meeting

ORIGINATED BY: *Karen O'Connor, CAO*

BACKGROUND / PROPOSAL:

Next Regular Council Meeting: April 18, 2023

Schedule a Special Meeting for Thursday March 23, 2023

Council may also want to have additional meetings such as Committee of the Whole meetings where no resolutions are made but Council can have discussions about projects, review policies and bylaws or any item they wish to discuss.

RECOMMENDED ACTION:

23/056 MOTION That Council declares that the next Regular Council Meeting for the Village of Cremona Council will take place at 7:00 p.m. on Tuesday, April 18, 2023, at Council Chambers is located at 106 1st Avenue East.

23/057 MOTION That Council declares that the next Special Council Meeting for the Village of Cremona Council will take place at 7:00 p.m. on Thursday, March 23, 2023, at Council Chambers is located at 106 1st Avenue East.

Or

23/057 MOTION That Council declares that the next Special Council Meeting for the Village of Cremona Council will take place at 7:00 p.m. on _____, March ____, 2023, at Council Chambers is located at 106 1st Avenue East.

INTLS: CAO:KO



REQUEST FOR DECISION RFD 23-03-34

MEETING: Regular Council Meeting

Date: March 21, 2023

AGENDA NO.: 14

TITLE: Closed Meeting - Legal

ORIGINATED BY: Karen O'Connor CAO

BACKGROUND / PROPOSAL:

Section 197(2) of the MGA states: Councils and council committees may close all or part of their meetings to the public if a matter to be discussed is within one of the exceptions to disclosure in Division 2 of Part 1 of the Freedom of Information and Protection of Privacy Act.

Section 197(3): When a meeting is closed to the public, no resolution or bylaw may be passed at the meeting, except a resolution to revert to a meeting held in public.

DISCUSSION / OPTIONS / BENEFITS / DISADVANTAGES:

Council will be required to make a motion to go into a Closed Meeting to discuss items that are either legal, land, or Labour.

COSTS / SOURCE OF FUNDING (if applicable):

RECOMMENDED ACTION:

INTLS: CAO: KO



REQUEST FOR DECISION RFD 23-03-035

MEETING: Closed Meeting

Date: March 21, 2023

AGENDA NO.: 15

TITLE: RECONVENE

ORIGINATED BY: *Karen O'Connor, CAO*

BACKGROUND / PROPOSAL:

Section 197(3): When a meeting is closed to the public, no resolution or bylaw may be passed at the meeting, except a resolution to revert to a meeting held in public.

DISCUSSION / OPTIONS / BENEFITS / DISADVANTAGES:

A member of the council will announce when the council is going back into an open council meeting and invite members of the public to return.

RECOMMENDED ACTION:

23-059 MOTION That Councilor _____ reconvenes from a closed meeting to a Regular Council meeting at ____p.m.

INTLS: CAO: KO



REQUEST FOR DECISION 23-03-035

MEETING: Regular Council Meeting

Date: March 21, 2023

AGENDA NO.: 16

TITLE: Adjournment

ORIGINATED BY: *Karen O'Connor, CAO*

BACKGROUND / PROPOSAL:

A Member of Council will move to adjourn the meeting.

RECOMMENDED ACTION:

23/060 MOTION THAT Council adjourns the Village of Cremona Regular Council

Meeting on the 21st day of March at ___p.m.

INTLS: CAO: *KO*