



Community Liaison Committee

Meeting #50

Tuesday, September 10, 2024





Building better lives and a greener future.

Safety • Teamwork • Integrity • Caring

With every decision, every action, every day, we will work **safely** with **teamwork**, **integrity** and deep **care** for our people, their families and the environment



Agenda

1. Review of June 11th, 2024 meeting notes
2. Membership Items
3. Cokemaking Emissions Performance
4. Electric Arc Steelmaking and Environmental Permit Applications
5. Legacy Environmental Action Plan
6. 2024 ESG Report Release
7. Community Engagement
8. Next Meetings

Membership

Current Members and Alternates

Representation

Algoma Steel

Ministry of Environment, Conservation & Parks

Public

Public

SSM Tribe of Chippewa Indians

Algoma Public Health

Chippewa County Health Dept.

Batchewana First Nation

Garden River First Nation

City of Sault Ste. Marie

United Steel Workers Local 2251

St. Mary's River RAP Coordinator

Primary Member

Fred Post

Lori Jalak

David Trowbridge

Jillian Marquis

TBD

Melissa Francella

Steve Carey

Dan Sayers Jr.

Andrew Mallette

Catherine Taddo

Wayne Hubbard

Lisa Derickx

Alternate

Chris Galizia

Rick Lalonde

Anton Schoahs

Dan Gabor

Virginia Huber

Suzanne Lieurance

Richard Perrault

Maggie McAuley

Dennis Gagne

Cokemaking Emissions Performance

Key Performance Indicators related to Cokemaking Emissions:

- average intensity of pushing emissions
- average duration of charging emissions
- % lid leaks
- % off-takes leaks
- % door leaks

Performance is monitored and calculated daily for each battery

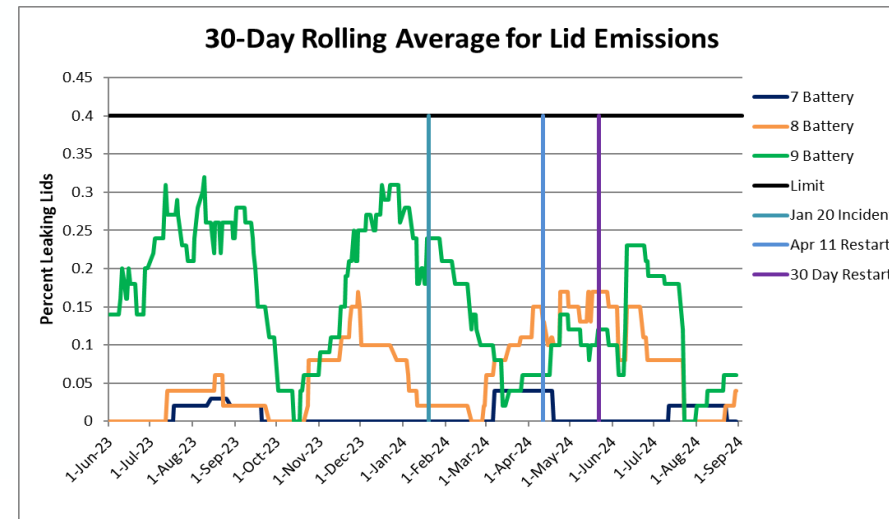
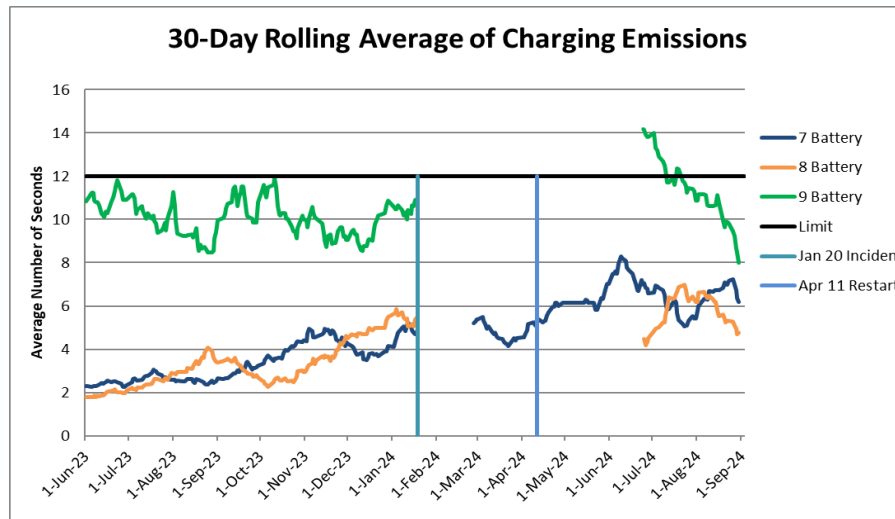
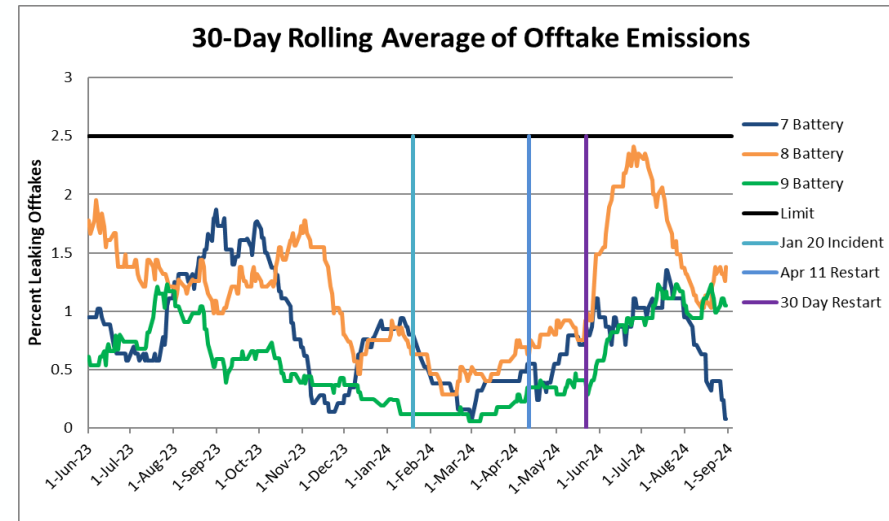
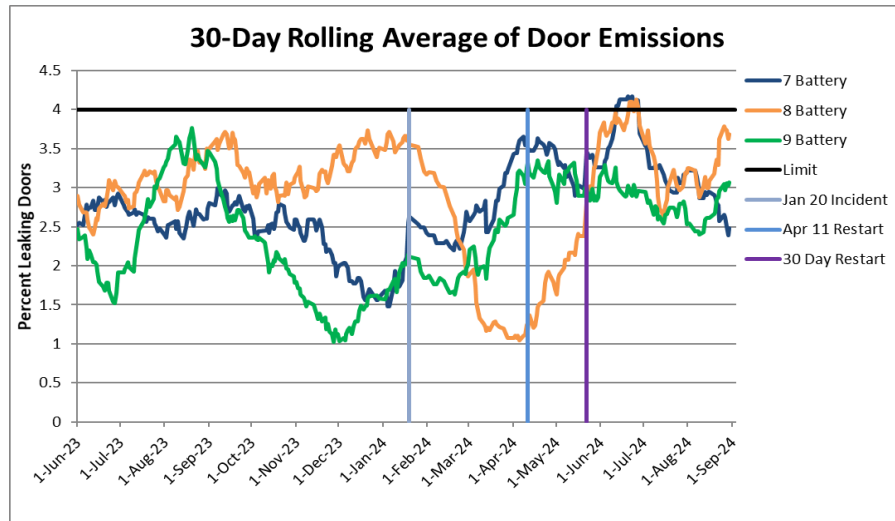
Progressive Annual Reduction

30 Day Rolling Average %

Implementation Date	Doors	Lids	Off-takes	Charging Emissions	Pushing Opacity (%)
July 2, 2015	38	0.8	25	12 sec	50
Jan. 1, 2016	22.5	0.8	15	12 sec	50
Jan. 1, 2017	7	0.8	4.2	12 sec	50
Jan. 1, 2019	7	0.8	4.2	12 sec	40
Jan. 1, 2020 onward	4	0.4	2.5	12 sec	30

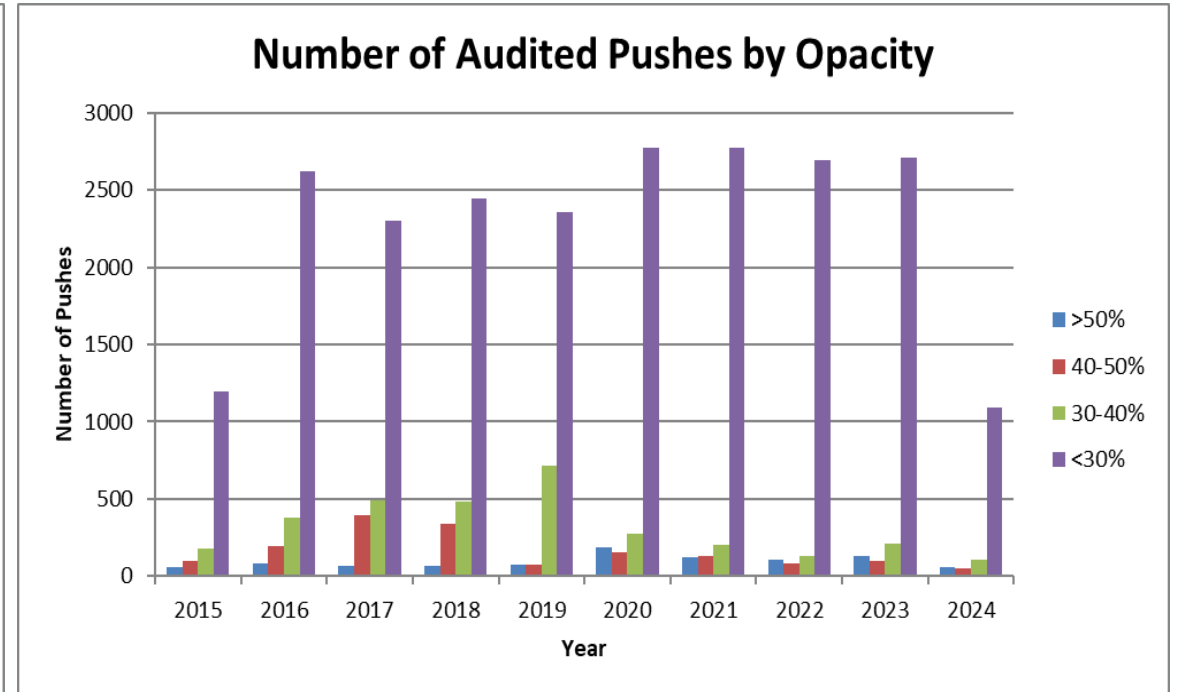
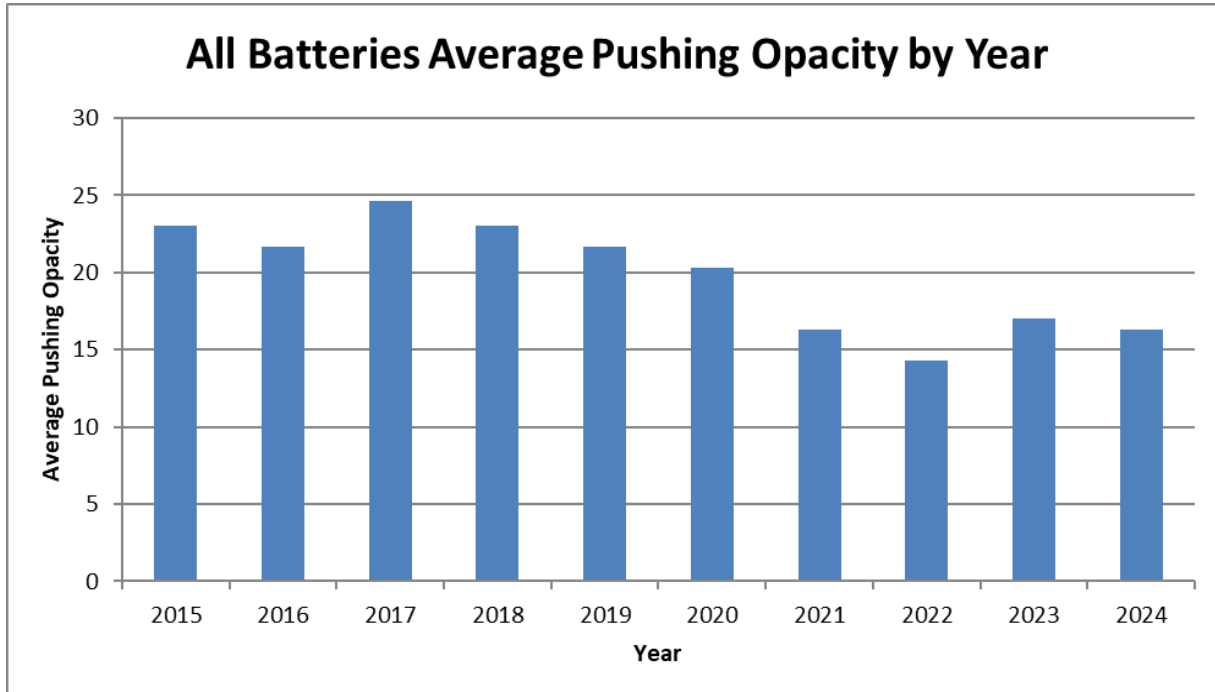
Algoma Steel is meeting the current leak limits on all three batteries.

Cokemaking Emissions Performance



Blue lines represent the date of the structure collapse and commissioning of new utility corridor.
 Purple lines represent when sufficient data became available for 30 day rolling averages.
 There was a brief period of non-compliance related to the structure collapse.

Cokemaking Emissions Performance

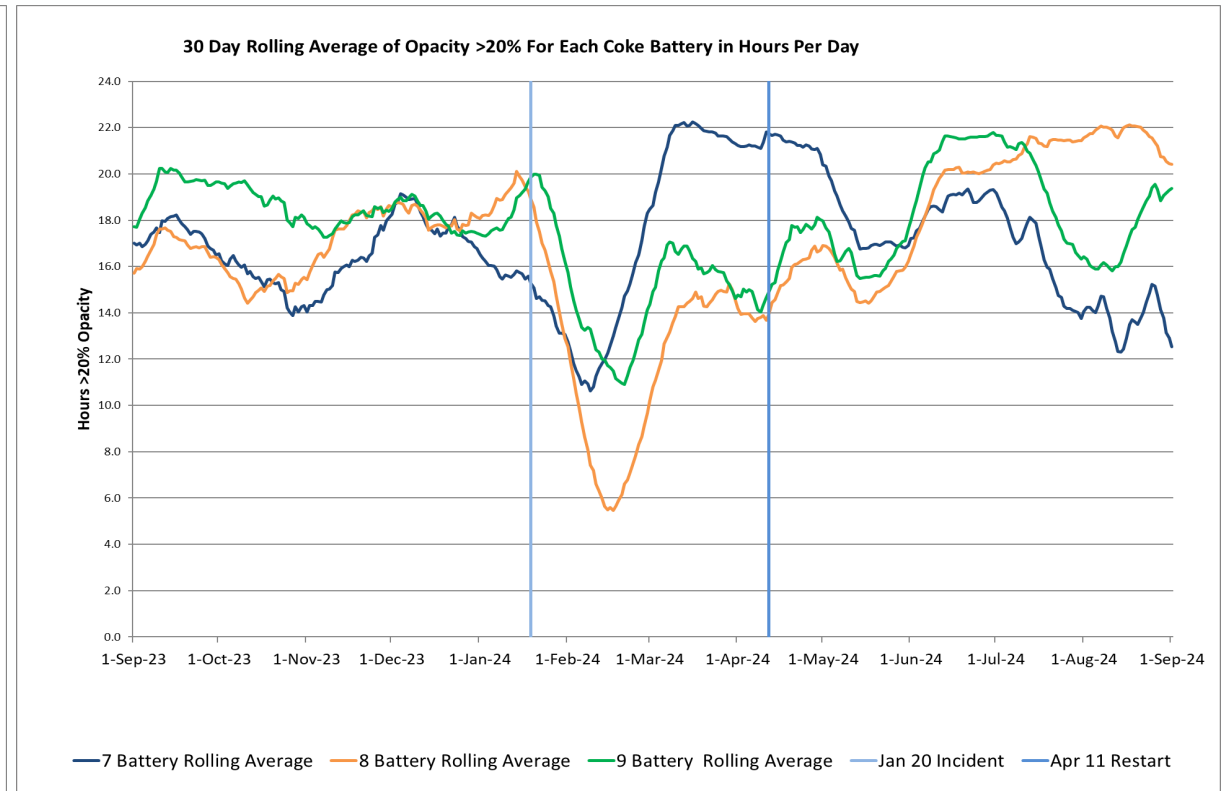
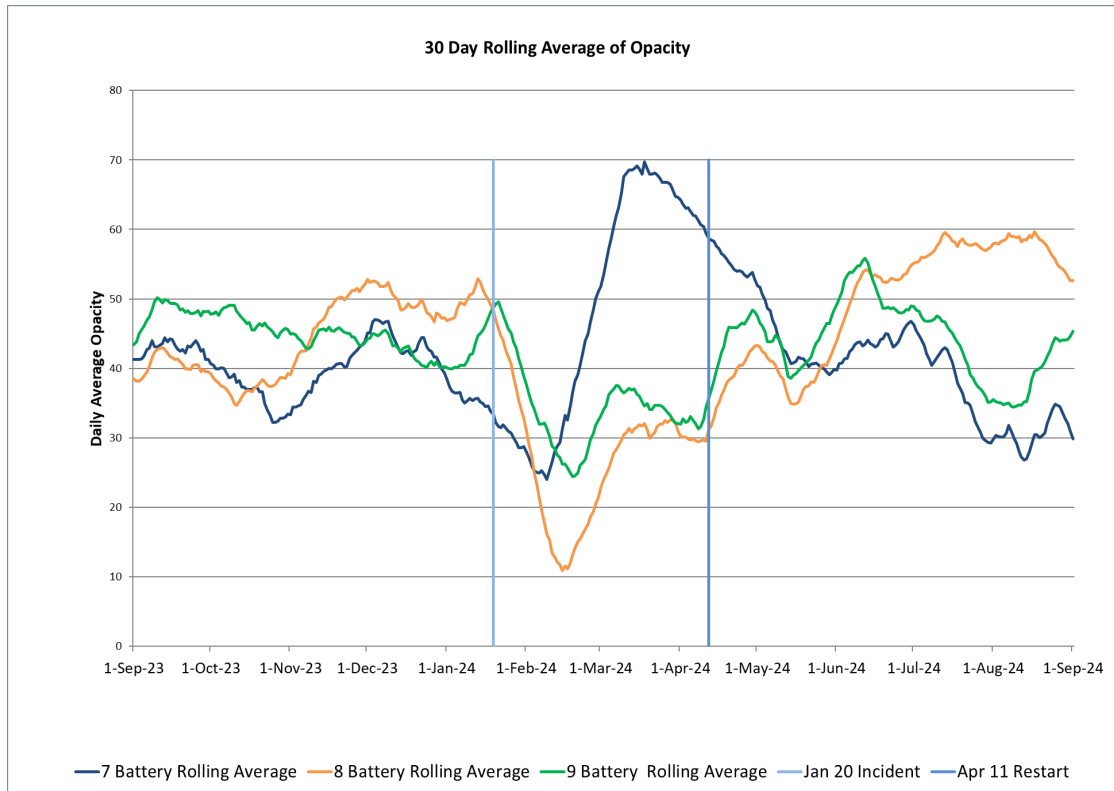


Notes:

- 2015 data begins on July 2nd when the standard came into force
- 2024 data includes Jan 1, 2024 to Aug 31, 2024
- Number of audits per year vary based on changing operating conditions

All corrective actions taken to improve pushing opacity have been successful.

Cokemaking Stack Opacity



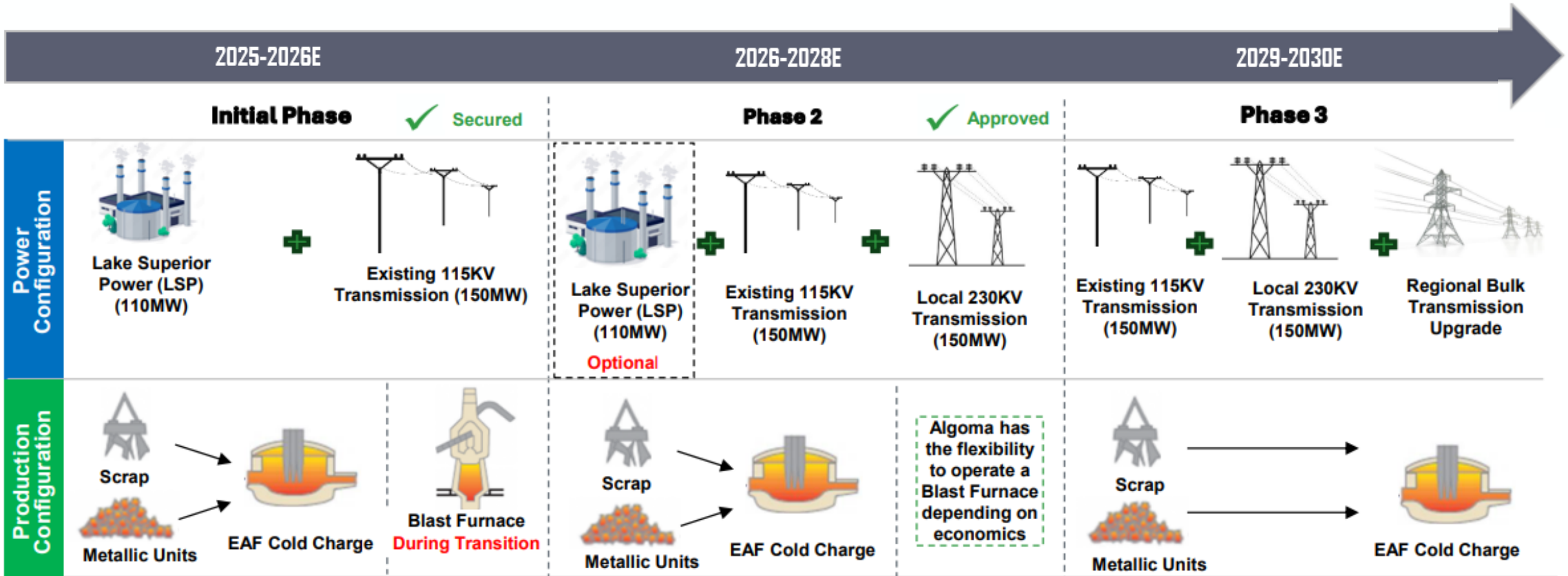
Blue lines represent the dates of the structure collapse and commissioning of new utility corridor.



ALGOMA
— STEEL INC. —

Building a new era in steelmaking

Powering Algoma's Planned Transformation



Benefits of the 230kV Line for all of Sault Ste. Marie

Increased Transmission Capacity

This project is designed to ensure Sault Ste. Marie is prepared for its immediate and long term transmission needs.

Enhanced Power Reliability

The new infrastructure will reduce the risk of outages and ensuring a stable power supply for both residential and industrial customers.

Growth Opportunities

Upgrading to a 230kV transmission system represents a significant modernization of the region's power infrastructure, ensuring Sault Ste. Marie can meet future power demands, adapt to technological advancements, and provide a necessary foundation to attract more industrial and other investments as the community grows.

Algoma's Shrinking Environmental Footprint

Long-Term Advantages of Electric Arc Steelmaking

		Reduction ⁽¹⁾	% Reduction
GHG Emissions	CO2	3.0mm tonnes	70%
	CO2/NT production	1.33 tonnes	75%
SOx emissions		4,060 tonnes	82%
NOx emissions		1,604 tonnes	52%
Stack and Fugitive Emissions		Complete elimination of Stack and Fugitive Emissions	100%

- Algoma expected to become one of the leading producers of green steel in North America
- Improves competitiveness for government spending programs where ESG is a criteria
- Improves profile with select customers who are similarly ESG focused
- Improves employee engagement
- Reduction of greenhouse gas emissions may provide for lower annual repayment on the SIF loan



Electric Arc Furnace Local Economic Impacts

By the Numbers

Community spend as of August 27, 2024 **\$151.6M**

Local suppliers engaged: 47

Project spend as of June 30, 2024 **\$611M**

Project budget: \$825 - 875M

➤ **Creation of 500 construction jobs**



Quench tower assembly is underway



Axial Cyclone installation on Baghouse



Inside view of the operating floor

Transition to Electric Arc Furnace Steelmaking

Environmental Compliance Approvals

Algoma Steel submitted applications for the following approvals:

1

Site wide **Environmental Compliance Approval** for **air and noise** based on the planned progressive shutdown of equipment and facilities associated with the transition to electric arc furnace steelmaking.

Application to include:

- ▶ Two new EAF exhaust treatment plants including baghouses
- ▶ A new cooling tower

To see the ERO posting [Click Here](#)

2

Amendment to the existing **industrial sewage works Environmental Compliance Approval** that incorporates:

- ▶ New recirculating non-contact cooling water system (with a small blowdown to the existing water treatment facility)
- ▶ No new contaminant loading to the existing treatment facility

Over the course of the transition, contaminant loading to the water treatment facility will decrease. Up to five existing effluent discharges and up to 7 existing noise sources will be eliminated.

Approved
March 2024

Alternate Standard Requests

New Standards will govern the operating transition to electric arc steelmaking

- ASI is seeking either Site Specific Standards (SSS) or an Industry Technical Standard (ITS) as a compliance approach for existing facilities during the transition to EAF steelmaking.
- Since SSS/ITS are not yet available, an Abatement Plan has been prepared and accepted by the MECP in accordance with O.Reg. 419 to bridge the gap until an alternate standard is available
- The Abatement Plan is an evolving emissions management plan which aligns with industry best practices and future requirements of the ITS
- A separate ERO posting will be issued for the alternative standard when available and an ECA amendment will be required to align with the alternative standard.

Shoreline Stabilization, Sawmill Bay Dredging, and Site Greening

Algoma's shoreline stabilization project consists of a four year plan to install **4.1 km of shoreline protection** along the St. Mary's River to prevent future erosion.

The project resumed June 24th with the placement of the clean rip-rap and armour stone. Additional dredging work has commenced to improve vessel access to Sawmill Bay Dock.

Once the stone is installed, the Site Greening Initiative will proceed in parallel with the introduction of clean soils, creating seasonal surface water ponding areas, and vegetating with select native plants and tree species. This will be done in **collaboration with Sault College**.

The site greening initiative involves the creation of **naturalized green buffer strips** along the perimeter of the site which will be protected from possible erosion.



Follow Algoma's Journey to Green Steel!

2024E

- Commence commissioning EAF #2
- Complete Construction of Water Treatment Plant

2025E

- Commence commissioning EAF #1
- Complete Construction of the Fume Treatment Plant
- Phase One of alternate arcing

2026E

- Target completion of PUC 230kv line

2029E

- Completion of Hydro One Transmission Line



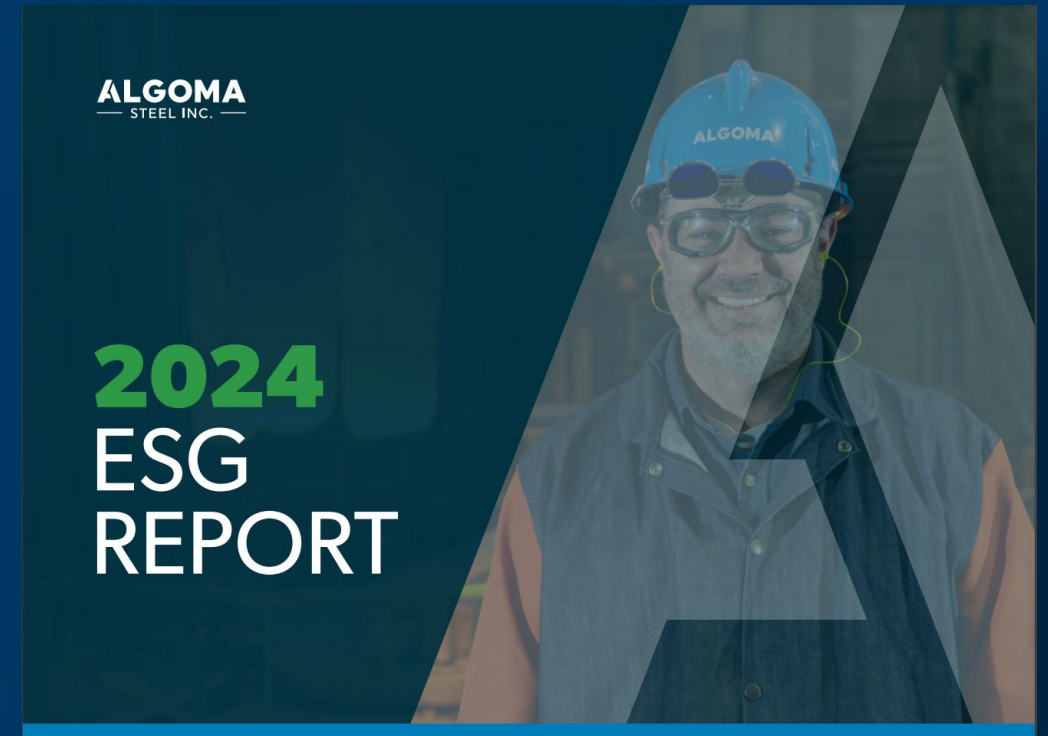
**Follow #AlgomaEAF on LinkedIn or
www.algoma.com/sustainability for project updates!**

Algoma Steel issued our 2024 annual **environmental, social and governance (ESG)** report

We believe becoming a North American leader in green steel, **means becoming a leader in ESG.**

In our ESG report, we're proud to share our progress and the steps we're taking to align our operations with the principles of environmental stewardship, social responsibility, and sound governance to ensure the benefits of steel can endure for generations to come.

You can access our full ESG Report on www.algoma.com



Algoma Steel is committed to being a good neighbor

Since we saw you last in June we have...

- Pledged an annual donation of \$50,000 to the Sault Ste. Marie YMCA for the next five years, ensuring continued access to essential services that support the physical, mental, and social well-being of our community.
- Signed a 5-year contract as the Title Sponsor of Sault College Athletics, which includes providing four annual \$2,500 scholarships for local students.
- Commemorated our \$1 million donation to Northway Wellness Centre with the unveiling of an art sculpture, proudly crafted with Algoma's steel.
- Annual sponsorship of Buskerville at RotaryFest.



Our next **Community Open House** will be held on **Wednesday, October 23rd** from 4 pm – 7pm at **Marconi Multicultural Event Centre**.

We hope to see you there!



Community Liaison Committee - Next Meetings

Proposed Schedule:

- December 10th, 2024
- March 11th, 2025
- June 2025