

Appendix D

**Public Information Session –
Project Update Communication
Materials May 25, 2022**



COMMUNITY INFORMATION SESSION

Wanipigow Sand Extraction Project Update Canadian Premium Sand Inc.

Wednesday, May 25, 2022

SEYMOURVILLE HALL, SEYMOURVILLE, MB

6 p.m. to 8 p.m. (Drop-in Format)

Canadian Premium Sand Inc. is hosting a Public Information Session to provide updated Project development information for the Wanipigow Sand Extraction Project that was issued an Environment Act License in May 2019. The information session will include updates on the purpose of the Project, Project design changes and will provide updates on topics related to the revised Project such as environmental effects compared to the original Project design, and changes to the Project development schedule. The information session will provide an opportunity for attendees to ask questions and provide feedback on the proposed Project design alterations.

Inquires: sandtosolar@cpsmail.com

82 NEWS

SEYMOURVILLE, MB • WWW.FREEPRESS.COM

Library service hampered by continued staff vacancies

JOANNE PURSAGA

A PERSISTENT staff shortage has forced some city libraries to cut hours and delay programming over the past year, just as the pandemic opened additional disruptions.

Eighty-two library positions, or 28 per cent, were vacant as of April 25, the City of Winnipeg confirms. That vacancy rate was 18 per cent on April 28, 2020.

The latest numbers mark little change from the 18 per cent vacancy rate that sparked concern about potential service reductions in July 2021.

Some of those issues have since become reality. While libraries have not been forced to close, some branch hours have been reduced, said Martin Forland, manager of library services.

"Hours have been impacted, certainly. Ability to bring back in-person programming is being impacted," said Forland.

City library branches offered a combined total of 68,456 hours of service in 2019 (prior to the pandemic) but only 52,080 in 2020 and 52,084 in 2021. While the number of hours was also affected by pandemic closures, Forland said staff levels were a significant factor.

There were no closures due to COVID-19 in 2022, when winter library hours totaled 760 per week, compared to 940 pre-pandemic.

Forland said the city has been increasing staff to address the shortage, including the recent addition of 38 "relievers." A continuity crisis under

is being added, while recruitment is on-draw for four new branch librarians. Forland blames part of the staffing challenges on increased retirements.

"There's just a lack of a lot of retirements. We have a lot of people who have 30, 35, 40 years of service and it's all coming to the fore now... If people are close on the schedule to their planned retirement date, I would think the pandemic would have some influence," she said.

In addition, libraries were subjected to citywide hiring freezes in 2017 and 2020, as well as two rounds of department-specific layoffs in 2020, which affected the ability to retain and hire staff, Forland noted.

City spokesperson Kaitlyn Quilty said the library department expects to restore pre-pandemic hours in phases, with key changes set for May 23 and June 28.

On May 23, several branches that had Wednesday hours before the pandemic are set to resume them, including the Fort Garry, Henderson, St. Vital, St. James-Assiniboia, Sir William Stephenson and West Kildonan Libraries.

On June 28, branches that were open on Monday evenings pre-pandemic (all branches except library South and Sir William Stephenson) and Wednesday evenings pre-pandemic (Millennium, St. Boniface, Harvey Smith and Sir William Stephenson) will resume at those times.

"The plan is staged because... we're working on filling these vacancies, so we're building out capacity to be open more hours," said Forland.

Some programs have experienced



Robert Ogden, city councillor, speaking at a public meeting.

long delays in reopening after pandemic closures due to the lack of staff. Forland said that includes the Millenium Library (see M11), which reopened Feb. 23, 2022, after closing in late October 2020 as staff filled vacancies at other branches.

A Millenium Library patron said she's not sure if the shortage affected services over the past year.

"So many collections have been COVID-related or presented as COVID-related that it's hard to tell," said Mona Newfield.

Newfield hopes library programs offered in June will return to in-person format soon, as the hiring continues.

"The virtual option doesn't meet the needs for some people," she said.

Newfield stressed libraries offer a critical service that must be a priority.



Mona Newfield says libraries offer a critical service and must be a priority.

"The library was a lifeline for us when COVID first started... with just having kids suddenly home from school," she said.

Robert Ogden, who also uses city libraries often, expects the city may need to consider additional benefits to attract workers.

"It's a worker's market right now. There are more workers than there were before now after COVID because employers are desperate for people," said Ogden.

A union leader who represents municipal library staff said the vacancies have created a stressful working environment, as employees frequently cover for vacant positions in full-time positions in the system.

"It's stressful on the staff to be moved around, to be reassigned," said David Delbridge, president of the Canadian Union of Public Employees Local 500.

Delbridge said he recently met with the city's community services director to discuss the staff shortage. He's urging the city to increase starting salaries.

"They are some of the lowest-paid members within the public service. With the rate of inflation now, it's impacting our members like we've never seen before," said Delbridge.

He noted some entry-level, part-time library positions pay \$11.80 an hour.

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Online child sex abuse 'a problem everywhere'

JOAN PURSAGA

MANITOWA recorded the second-highest rate of online child sexual exploitation and abuse among the provinces, from 2018 to 2020.

Seven out of every 100,000 Manitowans were charged during that time. Quebec's rate was eight people per 100,000 population. The national average was five per 100,000. The territories had the highest rates overall. Yukon and Northwest Territories at 11. The numbers were contained in a recent Statistics Canada report.

Barry Atkinson of the Canadian Centre for Child Protection cautioned against reading too closely into the high figures in Manitoba.

"The figures you're looking at are based on charges laid... that correlates to police resources and priorities, so it's really hard to say why Manitoba might be proportionally second in that list,

this issue just continues to grow every single year," Atkinson said.

"We've created an environment where adults get to interact freely with children with no regulations in place... every other space, every other business has to have some form of regulation, some form of requirement to how they operate, and that just doesn't exist online."

Atkinson called for governmental regulation, as opposed to self-regulation by social media sites and other companies that operate online.

"Kids are online at a mass rate, adults are as well. You interact with those two, you're going to end up with those who have a sexual interest in children trying to harm them. We need controls, guardrails placed around the internet," she said.

In the time period studied by the report, across Canada there were 5,761 incidents of online child sexual offences where a victim had been identified and



Welcome!

Wanipigow Sand Extraction Project - UPDATE

Project Information Session





Why is the Project being Updated?

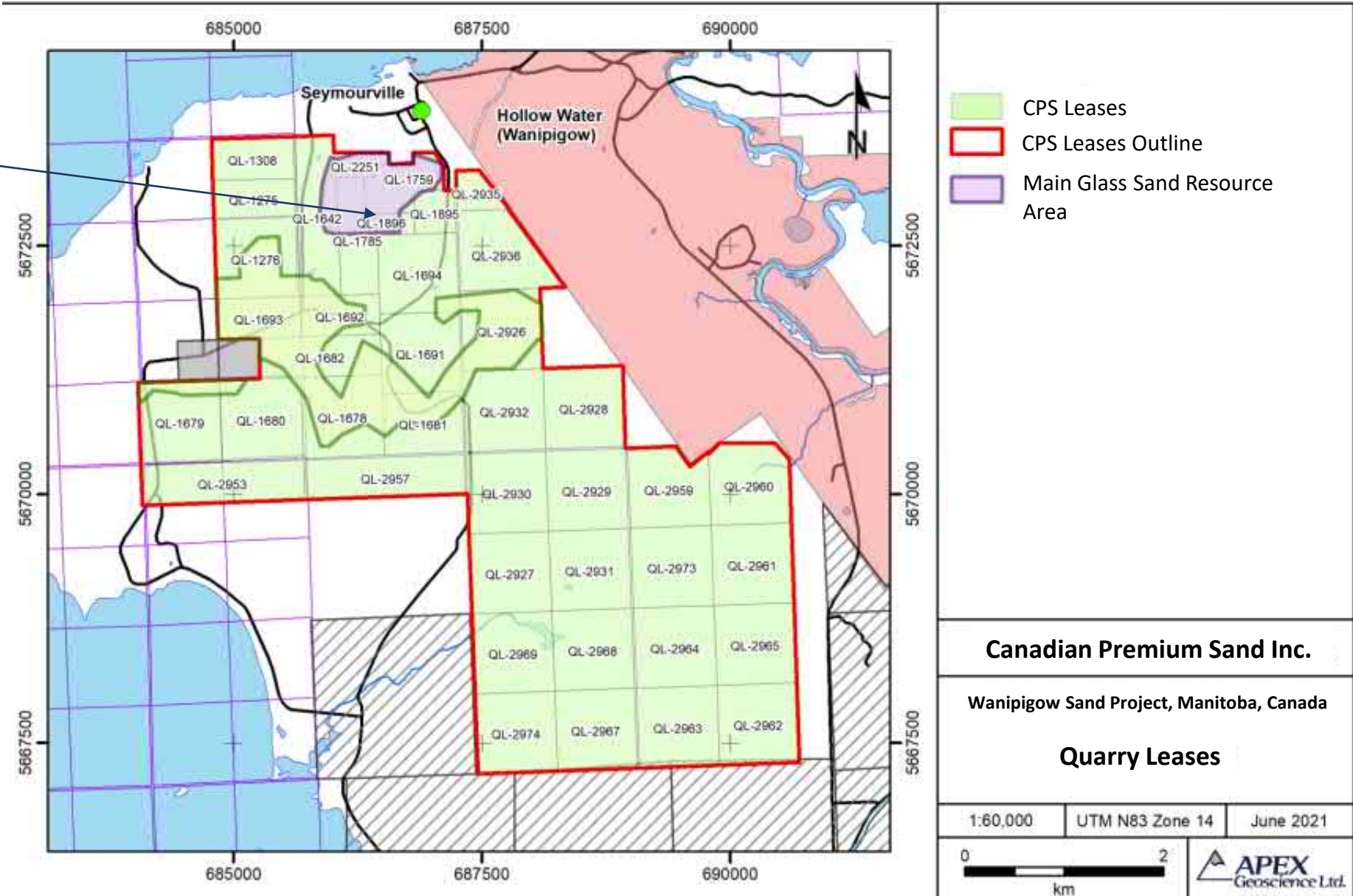
- Less sand will be used, so the project is being updated
- Sand will **NOT** be used for 'fracking'
- CPS will provide high-purity silica sand to a proposed **Solar Glass Manufacturing Facility** in Selkirk
- This will be the **1st of its kind in Canada**





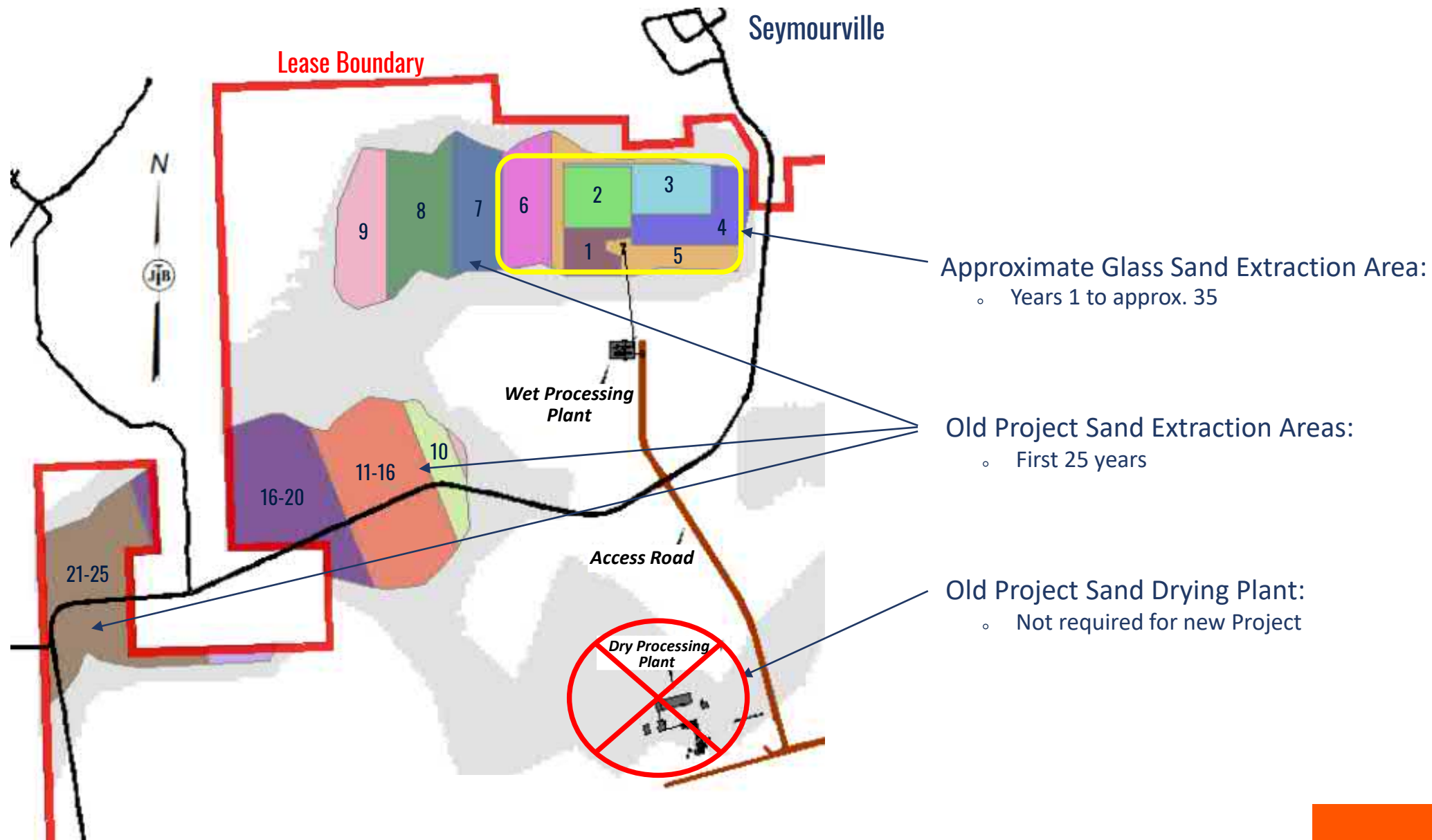
Wanipigow Site – Glass Sand Resource Area

Glass sand
extraction
area and
wash plant





Old vs New





Road Access





How is the Project Changing?

Less sand required = smaller Project

- 2/3 less sand extracted per year
- No dry plant or dry sand storage
- Smaller wet plant
- No barging across Lake Winnipeg
- Reduced water, power and equipment use
- Wet sand will be stockpiled with dust managed by water spray before trucking off-site
- Freshwater pond added for plant processes and dust control
- Sedimentation/settlement ponds added for water re-use

Key Changes

- **New Use**
Sand used only for solar glass production
- **Smaller Project**
Extraction site will be smaller and shorter 'Project Life'
- **Less Traffic**
Truck traffic will be seasonal and time-limited

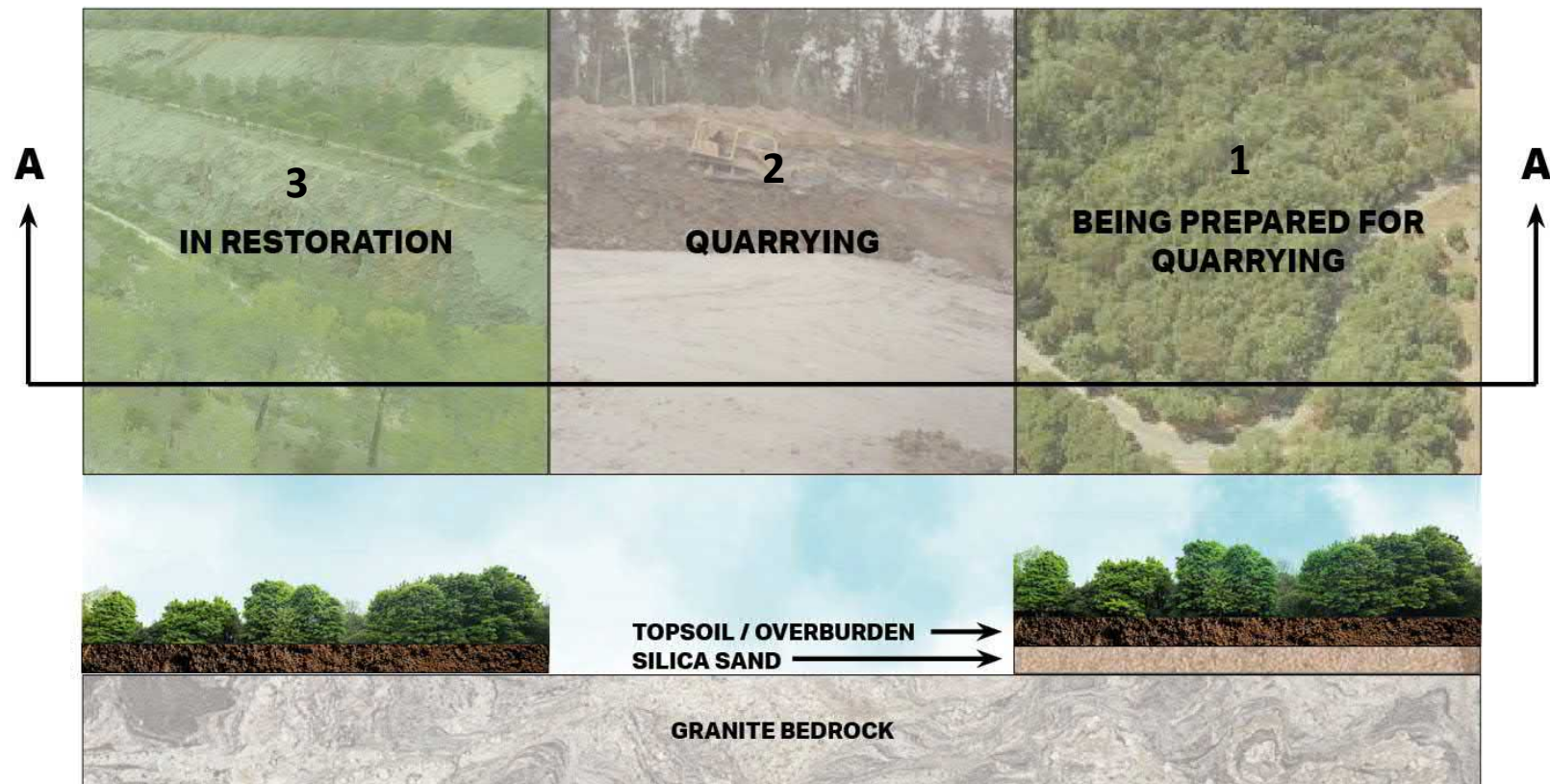
The new processing plant will produce sand of the correct grain size and reduced iron content suitable for solar glass



Sand Extraction Sequence (same as before)



Progressive Annual Extraction Site Restoration



SECTION A-A



What do these Changes Mean for the Environment?

Smaller Project = Smaller Environmental 'Footprint'

BUT the same Environmental Protection and Monitoring will be applied to the New Project

CPS' Environmental Management Plans will reflect the New Project design

CPS's Environmental Management

- 
- 
- 
- Dust Management Plan
 - Air Quality Monitoring Plan
 - Erosion and Sediment Control Plan
 - Surface Water Management Plan
 - Heritage Resources Management Plan
 - Groundwater Monitoring Plan
 - Revegetation Monitoring Plan
 - Emergency Response Plan



Respecting Traditional Land Use

- CPS will abide by the Environment Act Licence – CPS will:
 - Continue to work with local Indigenous communities to identify and mitigate adverse impacts to local trappers
 - Create a monitoring advisory group to ensure ongoing stakeholder engagement and participation in the planning process for the extraction activities
- CPS toured the project site and documented known traplines to minimize disturbance
- Adjustments were made to the project to avoid trap locations
 - Done before signing of the Economic Participation Agreement with Hollow Water First Nation
 - Done before the Environment Act Licence application was submitted to the Manitoba government in 2019.
- No known traps are located within forecasted operations area



Will Our Water be Protected?

- Mitigation measures and monitoring will protect groundwater and Lake Winnipeg
 - Boreholes show no black shale in the new excavation area
 - If black shale is encountered, it will be isolated in clay-lined pit and capped with neutralizing limestone
 - Ditches will direct water runoff from disturbed areas for reuse in the wash plant and for dust control
 - Groundwater quality and quantity will be monitored
- The 'New' project will use less water
 - Water excavated with the sand may be enough to meet our needs – well water use will be greatly reduced if not eliminated
- Sand will not be barged across Lake Winnipeg



What about Silica Sand Dust?

- The impact assessment for air quality is being updated for the new project. Mitigation measures required to meet regulatory guidelines and Environment Act Licence requirements for air quality will be put in place.
- As with the old project, the new project will control dust by:
 - Applying water to dust sources (e.g., berms, stockpiles, roads) to suppress dust
 - Having an Air Quality Monitoring Plan
 - Having a Dust Management Plan
- Worker safety protocols and equipment will be in place





What about Noise?

- The impact assessment for noise is being updated for the new project. Mitigation measures required to meet regulatory guidelines and Environment Act Licence requirements for noise will be put in place.
- To keep noise below guideline limits, mitigation measures will be applied as were outlined in the Environment Act Proposal for the original project such as:

- 
- Overburden material will be stockpiled adjacent to active quarry to buffer noise
 - Strobe reverse backup lights for heavy equipment/trucks rather than beeping alarms

- 
- Proper maintenance of construction equipment and vehicles / mufflers
 - Avoidance of unnecessary idling / engine revving
 - Additional noise mitigation applied as needed (e.g. temporary noise barriers around noisy equipment / active sites)





What about Truck Traffic?

- With the smaller 'New' Project – Truck traffic frequency will also be reduced:
 - Old Project: 3-4 trucks per hour 24 hours a day 7 days a week 12 months a year
 - New Project: 2-4 trucks per hour 10-20 hours a day 5-7 days a week 10 months a year
- CPS can modify the trucking schedule throughout the year
 - To consider truck traffic vs. seasonal public traffic
- CPS will:
 - Build a new, high grade 7.9 km long access road
 - Upgrade the section of Hollow Water Main Road required for sand transport trucks
- Sand will be transported to Selkirk rather than to Winnipeg



What are the Benefits to the Local Communities?

- Participation Agreements with Hollow Water First Nation and the Community of Seymourville
- Employment Opportunities:
 - Up to 17 Plant Operation Employees
 - Up to 20 Truck Drivers
 - Training for all positions
- Potential for local businesses to provide goods and services through construction and operation





What's Next?

- CPS will submit a Notice of Alteration for review by Manitoba Environment, Climate and Parks to request approval for the 'New' Project
- CPS' Planned Schedule:
 - Anticipate new project approval in 2022
 - Project site preparation (clearing): Jan. — March 2023
 - Construction of main access road, powerline and wash plant: Jan. — Sept. 2023
 - Testing of wash plant: July — Sept. 2023
 - Quarrying and wet sand production initial year: July — Sept. 2023



Thank You for Attending!

We value your input and want to hear from you!

Please fill out a questionnaire

If you would like to discuss the project further
or have any other questions, please email us at:

sandtosolar@cpsmail.com

Wanipigow Sand Extraction Project Update:

New Renewable Energy Purpose for the Sand

NEW PROJECT PURPOSE

During the past few years, Canadian Premium Sand (CPS) has transformed its business to process Manitoba sand to create solar glass for renewable energy instead of for other uses such as fracking in the oil and gas industry. It's the first-time solar glass will be produced in Canada.

THE TIME IS NOW

The time for renewable energy products has never been greater or more welcome. CPS will provide the essential resource, sand, to produce high specification glass at our future CPS manufacturing plant in Selkirk, Manitoba which is proposed to be licenced as a separate project. The high specification glass will be used in the assembly of solar panels across North America.

It's time to invest in Canada and build on Canadian soil rather than import solar glass from other countries.

NEXT STEP: LICENCE ALTERATION

In 2019, CPS received an Environment Act Licence from the Manitoba Government for the Wanipigow Sand Extraction Project. Under the new CPS plan there will be less sand extracted, less traffic and a reduced environmental footprint.

CPS is applying to have its existing Environment Act Licence altered to reflect the updated Project and is hosting formal and informal community conversations about these changes.

A few '**Fast Facts**' highlighting some key differences between the 2019 plan and our vision for 2022 and the future are attached.

We welcome any questions at any time. Reach out if you have further questions or ideas. We're listening.

Glenn Leroux, CEO
Denelle Bushie, Project Lead

Feel free to e-mail us at: sandtosolar@cpsmail.com

Key Changes

- **New Use**
Sand used only for solar glass production
- **Smaller Project**
Extraction sites will be smaller and shorter 'Project Life'
- **Less Traffic**
Truck traffic will be seasonal and time-limited

Old: 2019	FAST FACTS	New: 2022 & FUTURE
Multiple uses (e.g., fracking in the oil and gas industry)	SAND USE	High clarity glass to cover solar panels used for renewable energy
Granted	ENVIRONMENT ACT LICENCE	An application to alter the licence is being prepared to reflect the new Project purpose
≈ 1.2 million	SILICA SAND EXTRACTED (Tonnes per Year)	≈ 300,000 2 solar glass facilities
	EXTRACTION SCHEDULE	
24	HOURS PER DAY	10
7	DAYS PER WEEK	7
12	MONTHS PER YEAR	≈ 6
Sizing and washing at a wet plant and drying at a dry plant	SAND PROCESSING	Sizing, scrubbing and magnetic iron removal at a smaller wet plant (No dry plant required)
8,000 tonnes dry sand in storage silos 0 wet sand	SAND STORAGE Before truck transport off site (No barging on Lake Winnipeg)	0 dry sand stored 1 working stockpile of damp processed sand
3 to 4 times per hour 24 hours a day 7 days a week 12 months a year	TRUCKING New project will provide flexibility In the trucking schedule	2 to 4 times per hour 10 to 20 hours a day 5 to 7 days a week 10 months a year
54 years	LIFE OF PROJECT (Project end)	≈ 35 years
≈ 75 at site + up to 50 truck drivers	EMPLOYMENT (Operations)	≈ 17 at site + up to 20 truck drivers



Canada's first solar glass plant in Manitoba

by Canadian Premium Sand

with Hollow Water First Nation, Seymourville and the City of Selkirk

Frequently Asked Questions

1. How will the Manitoba sand be used?

Canadian Premium Sand is a solar glass company.

Several years ago, there was a plan to sell the sand for fracking in the oil and gas industry. That is no longer the plan, it no longer makes business sense to sell the sand to the oil and gas industry. Processing the sand found at Hollow Water into solar glass offers significantly more value, making this a good time to move to solar energy.

It's also time to build on Canadian soil rather than buy solar glass from halfway around the world where shipping creates even more environmental challenges.

The multi-million-dollar sand processing plant planned for Seymourville is designed to exclusively produce solar glass quality sand.

2. What are the amendments CPS is applying for with its environmental licence to reflect this change?

A request to amend the licence is being prepared to reflect the new plans to use the sand to manufacture solar glass. The new project is considerably scaled back in scope and size and does not include a frac-quality sand production facility.

We have no interest in supplying sand for fracking and we will be extracting 70% less sand compared to the original amount of sand proposed in the 2019 plan.

CPS is not an oil and gas company – we are a solar glass company.

3. Is this the right kind of sand for solar glass?

Absolutely. We have tested samples at several international labs to confirm the sand is suitable for solar glass. It will require processing to remove some of the iron content, but that is normal and relatively straight forward.

4. Who is leading this project?

At CPS we've invited and included several local people to work with us because we know that to do this right, we must do it together. While the idea for this project may have started in Alberta, we know it will be made possible by leaders of Indigenous communities and the contributions from the people of Manitoba. And we're excited that the City of Selkirk, which has an excellent reputation as an environmental leader, has invited us to build the glass manufacturing plant in its community.



5. How will you make sure this project does not create environmental issues?

We are going through a rigorous environmental impact assessment process that addresses construction, operation and closure of the quarry and sand processing plant. Provincial and federal environmental workplace safety regulations today are far more stringent than in the past, and certainly more rigorous than when sand was extracted from Black Island in the 1920s. Everyone is bound by more rigorous standards today and CPS takes this very seriously. Our neighbors will be our neighbors for 30+ years and our workers will be neighbors to the project. So, everyone is invested in getting it right.

6. Are there any impacts on traditional traplines on Hollow Water territory?

Prior to the design and clearing activities for the roadway, CPS was very proactive in its approach with the impacted trapper. We toured the site with the trapper, documenting the locations of all of his traps using GPS. This approach led to us mitigating this impact by making real-time adjustments to our road alignment in order to avoid his trap locations. This work was done before the signing of the participation agreement and submission of the Environment Act Licence application out of respect for the Hollow Water Elders and Chief and Council. No known traps are located within our forecasted operations area.

In addition, there are multiple clauses in our Environment Act Licence that require CPS to:

- develop a heritage resource protection plan
- undertake surveys for traditional use plants
- identify and mitigate adverse impacts to local trappers
- establish a monitoring advisory group with representation from local Indigenous communities

7. What types of jobs will be created and will they be suitable for people who live in the area?

Many jobs will be filled by local workers. We expect a handful of jobs in Selkirk will require specialized glass-making skills that may not be able to be sourced locally at first. But Selkirk, Hollow Water and Seymourville have the right talent for the majority of jobs. We see the opportunity to create jobs that keep families closer to home and invite more families to move to the area, build homes, buy groceries and volunteer in the community.

8. How will the sand be stockpiled at Hollow Water and how high?

It's unlikely the stockpiles will ever be higher than the tree line, and they will be out of sight. But our job is to work with our partners like Hollow Water and Seymourville because we know that to do this right, we need their input.

9. Are there any health concerns with moving of sand?

Sand will be stored and transported wet in order to reduce the risk of dust. Provincial and federal regulatory bodies make sure that everything meets rigorous and modern health and safety standards. It's not an option, it's a non-negotiable part of the license to operate, unlike what happened decades ago at Black Island. All companies are bound by these standards, and CPS takes this very seriously. We will follow all modern practices as required by law.



10. How will you manage truck traffic?

Our goal is to minimize the truck traffic when possible, particularly after dark and at peak hours during cottage season. Our new plans drastically reduce the truck traffic as CPS will be extracting 70% less sand compared to the original amount of sand proposed in the 2019 plan. Because we are transporting less sand, we have more flexibility in deciding when the trucking operations will occur and can modify the trucking schedule throughout the year.

11. Is sand going to be barged across the water to Dunnottar or land in St. Andrews?

No. That was contemplated as part of the 2019 plan; that is no longer in this plan.

12. What is the participation agreement with Hollow Water First Nation?

In 2018 a participation agreement was ratified by the Hollow Water leadership as the community's signing authority, but the agreement is specifically with the Hollow Water Community, not the elected leadership or any other individual within the community. As part of that agreement, an upfront payment was paid to the community and there will be continual payments during the life of the project.

13. Is this project related to the CanWhite Springfield project?

There is no connection between CPS and CanWhite and no connection between the CanWhite project and this one. CPS is using sand to make glass for solar panels, nothing else.

14. How will the water be used and cared for at the Seymourville quarry site?

Although the Seymourville quarry site will be drawing groundwater as part of its operation, nearby existing wells will not be impacted.

Most of the potable water for the communities is sourced from Lake Winnipeg. This project does not use Lake Winnipeg water nor does it send water to Lake Winnipeg.

It is expected that pit dewatering may be enough to meet the overall water demand for the state-of-the-art mechanical wash plant, in which case groundwater use will be greatly reduced if not eliminated. Sedimentation ponds will be used to store the groundwater to meet wash plant water demand. A water monitoring program will be employed for the ponds and prior to any discharge, strict water testing will be completed and approved by regulators.

We appreciate you may have many more questions. Please don't hesitate to contact either of us at: sandtosolar@cpsmail.com

Glenn Leroux, CEO

Denelle Bushie, Seymourville Project Lead

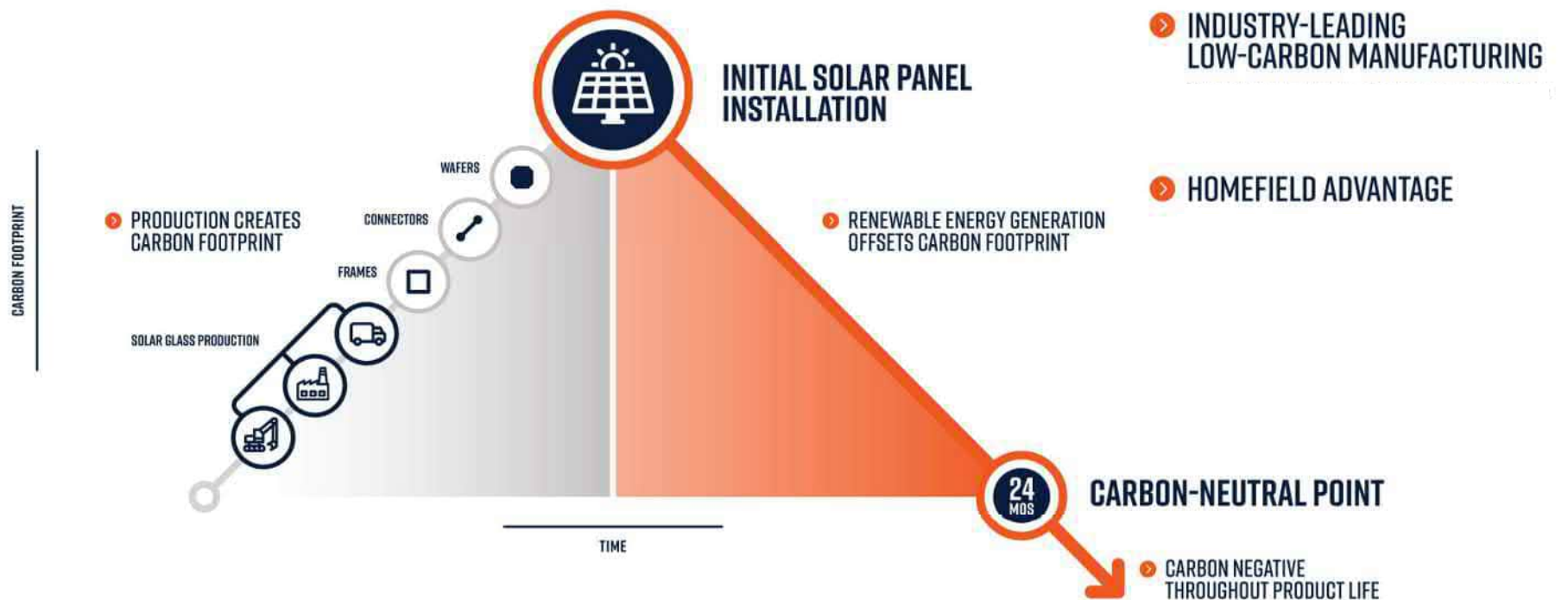


15. What does moving to solar glass production mean in the long haul?



CARBON NEGATIVE IN 24 MONTHS

We are going to offset our carbon footprint — and then some



Community Information Session – Feedback Form

Wanipigow Sand Extraction Project Update - 2022

1. How did you hear about the Community Information Session?

- ☐ Newspaper ☐ Word of Mouth ☐ Social Media (e.g., Facebook) ☐ Email invitation

2. Please provide your thoughts on the New vs. Old Project:

2. Do you have any outstanding environmental concerns regarding the 'New' Project? ☐ Yes ☐ No
If yes, select your top three concerns from the following list of environmental components:

- | | | |
|--|--|---|
| ☐ Air Pollution/Noise | ☐ Animals | ☐ Recreational Use |
| ☐ Traffic | ☐ Birds | ☐ Resource Use |
| ☐ Water Quality | ☐ Plants | ☐ Heritage Resources |
| ☐ Water Quantity | ☐ Fish/Fish Habitat | ☐ Traditional Land Use |

3. Do you have any specific interests relating to the Project going forward?

- ☐ Employment Opportunities ☐ Contract Opportunities ☐ Resource Use ☐ Traditional Land Use

Other:

4. Did you find the storyboards informative?

- ☐ Yes ☐ No

5. Was someone able to answer your questions?

- ☐ Yes ☐ No

6. Do you have any additional comments?

Please keep me informed on the project at this email:

Contact Information (Optional):

Thank You for Participating!

AECOM