

Proudly hosted by  
Hydro One Remote  
Communities Inc.



CONFERENCE

# Prime Power Diesel Inter-Utility

June 3-6, 2024 | Thunder Bay, ON

Welcome to the 27<sup>th</sup> Prime Power Diesel Inter-Utility Conference (*PPDIUC*), a North American Off Grid Utility Association (*NAOGUA*) initiative organized this year by Hydro One Remote Communities in Thunder Bay, Ontario, under the theme **“OFF-GRID AND INTO THE FUTURE”**.



*“We respectfully acknowledge that we are gathering and learning together during this conference on the traditional lands of Fort William First Nation, Signatory to the Robinson-Superior Treaty of 1850.”*



**Jessica Mamakeesick**  
MEMBER OF KEEWAYWIN  
FIRST NATION IN  
NORTHWESTERN ONTARIO

# ABOUT THE LOGO

The conference is being held at the Delta Hotel on the Thunder Bay waterfront which offers a wonderful view of “The Sleeping Giant”, the southern tip of the Sleeping Giant Provincial Park across the bay that resembles a giant man laying on his back in slumber. One Ojibway legend identifies the giant as Nanabijou, the spirit of deep water, who was turned to stone when the secret location of a rich silver mine, now known as Silver Islet, was disclosed.

The painting that forms the basis for this year’s logo was created by artist **Jessica Mamakeesick**, a member of Keewaywin First Nation in Northwestern Ontario.

Commissioned specifically for the conference, the sun in the painting represents light and knowledge, and each of the 11 animals inside the giant represent a member company of the North American Off Grid Utility Association (NAOGUA), sharing their knowledge and expertise on powering remote communities in the shadow of The Sleeping Giant.

Feel free to visit Jessica at her Thunder Bay shop just a stone’s throw away in the Goods & Co. marketplace on Red River Road, or online at Mamakeesick Roots | Thunder Bay ON | Facebook.

Visit Jessica on Instagram



CONFERENCE

## Prime Power Diesel Inter-Utility



CONFERENCE

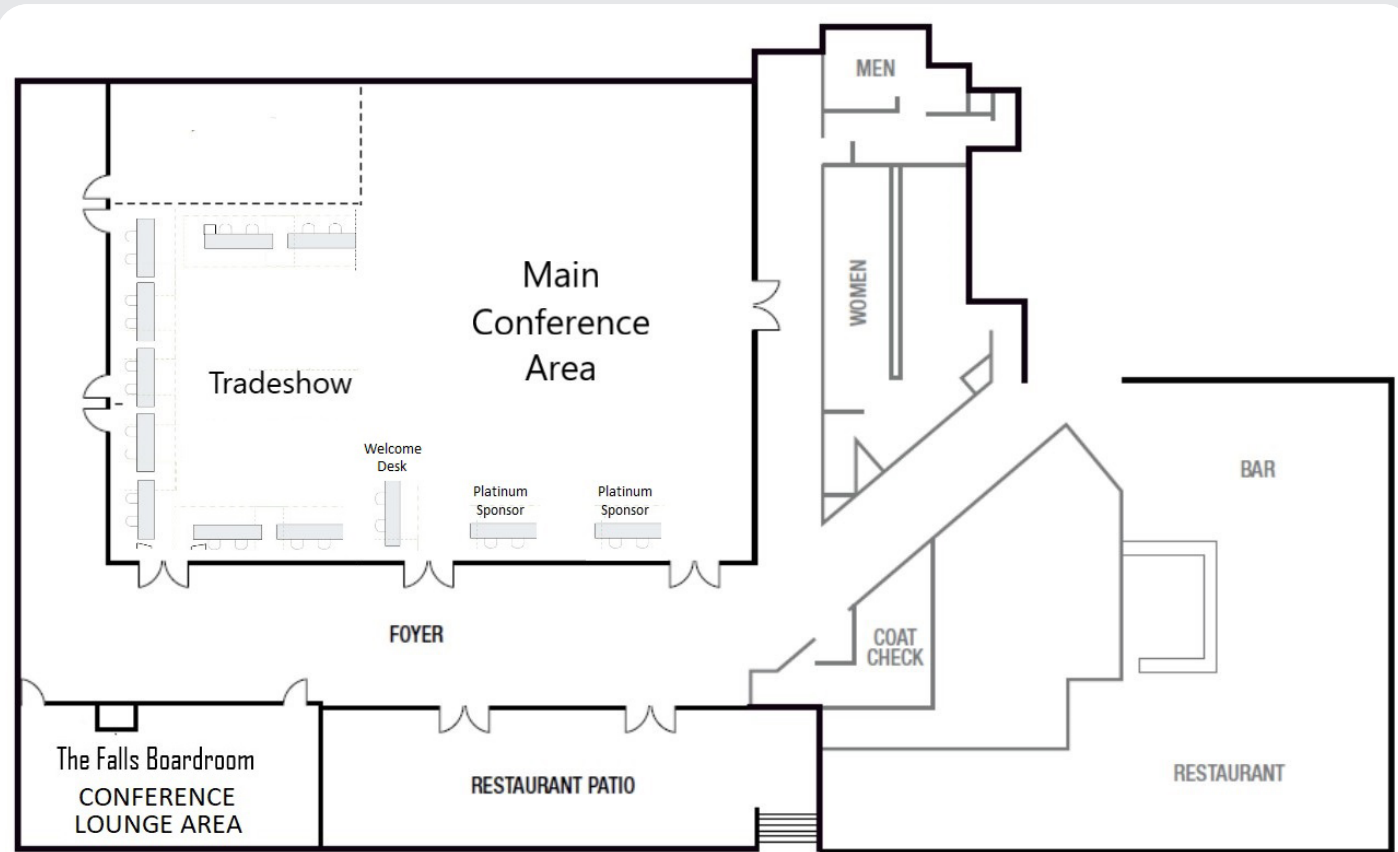
# AGENDA AT A GLANCE

SUNDAY JUNE 2 MONDAY JUNE 3 TUESDAY JUNE 4 WEDNESDAY JUNE 5 THURSDAY JUNE 6

WELCOME	TODAY'S OFF-GRID	INNOVATION IN OFF-GRID	INTO THE FUTURE	OPTIONAL DAY EXCURSION
	<b>Vendor set-up</b> - 6:00AM to 8:00AM			
	<b>Breakfast</b>			<b>Grab &amp; Go Breakfast</b> - 7:15AM
<b>Morning Announcements</b>  <b>Safety Moment:</b> - Newfoundland & Labrador Hydro  <b>Utility Address:</b> - Hydro One Remote Communities  <b>Gold Sponsor Presentation</b> - CAT Toromont  <b>Utility Address:</b> - Newfoundland & Labrador Hydro  <b>Q&amp;A</b>	<b>Morning Announcements</b>  <b>Safety Moment:</b> - NTPC ( <i>Northwest Territories Power Corporation</i> )  <b>Silver Sponsor Presentation</b> - Wajax  <b>Utility Address:</b> - Hydro Quebec - NTPC ( <i>Northwest Territories Power Corporation</i> ) - Qulliq Energy Corporation ( <i>QEC</i> ) - ATCO  <b>Utility Presentations</b> - Hydro Quebec - NTPC ( <i>Northwest Territories Power Corporation</i> )  <b>Q&amp;A</b>	<b>Morning Announcements</b>  <b>Safety Moment:</b> - Manitoba Hydro  <b>Silver Sponsor Presentation</b> - Engineered Intelligence  <b>Utility Address:</b> - Manitoba Hydro - Alaska Village Electric Cooperative ( <i>AVEC</i> ) - BC Hydro  <b>Utility Presentations</b> - Alaska Village Electric Cooperative ( <i>AVEC</i> )  <b>Q&amp;A Part 1</b>  <b>Q&amp;A Part 2</b>  <b>Group Picture</b>		<b>Daytrip to Webequie First Nation</b> - Bus leaves Delta Hotel 7:30AM - Charter flight to remote First Nation
	<b>Lunch Break</b>			
<b>Gold Sponsor Presentation</b> - Hatch  <b>Utility Presentation</b> - Newfoundland & Labrador Hydro  <b>Government of Canada Presentation</b>  <b>Q&amp;A</b>  <b>Platinum Sponsor Presentation</b> - Hitachi Energy	<b>Gold Sponsor Presentation</b> - Madsen Controls  <b>Utility Presentations</b> - Qulliq Energy Corporation ( <i>QEC</i> ) - ATCO  <b>Q&amp;A</b>  <b>Platinum Sponsor Presentation</b> - Wabtec / Madsen	<b>Gold Sponsor Presentation</b> - ComAp Americas  <b>Utility Presentations</b> - Hydro One Remotes - BC Hydro - Qulliq Energy Corporation ( <i>QEC</i> )  <b>Q&amp;A</b>  <b>Presentations &amp; Conference Close</b>  <b>Vendor take-down</b>		
<b>Drop in Meet &amp; Greet</b> - 7:00PM to 10:00PM				
<b>Platinum Dinner 1</b>	<b>Platinum Dinner 2</b>			

# CONFERENCE MAP

2240 SLEEPING GIANT PKWY, THUNDER BAY



## NOTES:

- Activities will be held in the event spaces on the main floor of the hotel (see map).
- Participants must wear their name tag when attending the conference.
- Utility delegates and their guests are invited to the welcome reception and to the dinners.

## CONFERENCE AGENDA

# SUNDAY JUNE 2

### Drop-in Meet & Greet from 7pm - 10pm

- Delta Hotel in "The Falls" Boardroom

## CONFERENCE AGENDA

# MONDAY JUNE 3 TODAY'S OFF-GRID

Activity	Time	Duration
<b>Registration &amp; Breakfast</b> - Sponsored by CAT - Toromont & Finning	8:00	1 Hour
<b>Conference Opening &amp; Land Acknowledgment</b>	9:00	5 Minutes
<b>Ojibway Prayer &amp; Song from Beverly Bannon, Fort William First Nation</b>	9:05	15 Minutes
<b>Host Welcome</b> - Hydro One Remote Communities Inc.	9:20	15 Minutes
<b>North American Off-Grid Utility Association (NAOGUA)</b> - Chair's Welcome	9:35	5 Minutes
<b>MC for the Day</b> - BC Hydro	9:40	5 Minutes
<b>Safety Moment</b> - Newfoundland & Labrador Hydro	9:45	10 Minutes
<b>Utility Address</b> - Hydro One Remote Communities Inc.	9:55	15 Minutes
<b>Gold Sponsor Presentation</b> - CAT Toromont	10:10	20 Minutes
<b>AM Break</b>	10:30	30 Minutes
<b>Utility Address</b> - Newfoundland & Labrador Hydro	11:00	15 Minutes
<b>Q&amp;A</b> - "Improving Reliability"	11:15	40 Minutes
<b>Lunch</b> - Sponsored by Hatch	12:00	1 Hour
<b>Gold Sponsor Presentation</b> - Hatch	13:00	20 Minutes
<b>Utility Presentation</b> - Newfoundland & Labrador Hydro - "The Regulatory Hurdles of Replacing a Diesel Plant" (UTILITY DELEGATES ONLY)	13:20	30 Minutes
<b>Government of Canada Presentation</b> - "Federal Updates and Initiatives for Remote Communities in Canada"	13:50	20 Minutes
<b>PM Break</b> - Sponsored by Government of Canada	14:10	20 Minutes
<b>Q&amp;A</b> - "Genset Strategy - Repair or Replace?"	14:30	40 Minutes
<b>Platinum Sponsor Presentation</b> - Hitachi Energy - "Accelerating the Energy Transition for Remote Communities"	15:15	40 Minutes
<b>Day Close</b>	16:00	5 Minutes
<b>Platinum Dinner</b> - Sponsored by Hitachi Energy - Bight Restaurant & Bar - Food and drinks will be served - All participants and their guests are invited	18:00	

# TUESDAY JUNE 4 INNOVATION IN OFF-GRID

Activity	Time	Duration
<b>Breakfast</b> - Sponsored by Wajax	7:30	1 Hour
<b>MC for the Day</b> - NTPC (Northwest Territories Power Corporation)	8:30	5 Minutes
<b>Safety Moment</b> - NTPC (Northwest Territories Power Corporation)	8:35	10 Minutes
<b>Silver Sponsor Presentation</b> - Wajax	8:45	10 Minutes
<b>Utility Address</b> - Hydro Quebec	8:55	15 Minutes
<b>Utility Address</b> - NTPC (Northwest Territories Power Corporation)	9:10	15 Minutes
<b>Utility Address</b> - Qulliq Energy Corporation (QEC)	9:25	15 Minutes
<b>Utility Address</b> - ATCO	9:40	15 Minutes
<b>AM Break</b> - Thunder Bay "Persians" (Sponsored by Hydro One Remotes)	9:55	20 Minutes
<b>Utility Presentation</b> - Hydro Quebec - "Off-Grid Integration of Renewable Energy at Hydro Quebec"	10:15	30 Minutes
<b>Utility Presentation</b> - NTPC (Northwest Territories Power Corporation) - "Inuvik High Point Wind Project Update"	10:45	30 Minutes
<b>Q&amp;A</b> - "Load Planning"	11:15	40 Minutes
<b>Lunch</b> - Sponsored by Madsen Controls	12:00	1 Hour
<b>Gold Sponsor Presentation</b> - Madsen Controls	13:00	20 Minutes
<b>Utility Presentation</b> - Qulliq Energy Corporation (QEC) - "Renewable Initiatives"	13:20	30 Minutes
<b>Utility Presentation</b> - ATCO - "Fort Chipewyan Capacity Planning" (UTILITY DELEGATES ONLY)	13:50	30 Minutes
<b>PM Break</b> - Sponsored by Simson Maxwell	14:20	20 Minutes
<b>Q&amp;A</b> - "Staffing for Off-Grid Utilities"	14:40	40 Minutes
<b>Platinum Sponsor Presentation</b> - Wabtec / Madsen	15:20	40 Minutes
<b>Day Close</b>	16:00	5 Minutes
<b>Platinum Dinner</b> - Sponsored by Wabtec / Madsen - Lakehead Beer Company - Food and drinks will be served - All participants and their guests are invited	18:30	

# WEDNESDAY JUNE 5 INTO THE FUTURE

Activity	Time	Duration
<b>Breakfast</b> - Sponsored by Engineered Intelligence	7:30	1 Hour
<b>MC for the Day</b> - Newfoundland & Labrador Hydro	8:30	5 Minutes
<b>Safety Moment</b> - Manitoba Hydro	8:35	10 Minutes
<b>Silver Sponsor Presentation</b> - Engineered Intelligence - "Power of Data Assets"	8:45	10 Minutes
<b>Utility Address</b> - Manitoba Hydro	8:55	15 Minutes
<b>Utility Address</b> - Alaska Village Electric Cooperative (AVEC)	9:10	15 Minutes
<b>Utility Address</b> - BC Hydro	9:25	15 Minutes
<b>Utility Presentation</b> - Alaska Village Electric Cooperative (AVEC) - "2024 Integration of Emerging Technologies into Diesel Microgrids at AVEC"	9:40	30 Minutes
<b>AM Break</b> - Sponsored by Trans-West Process Solutions	10:10	20 Minutes
<b>Q&amp;A - Renewable Energy (Part 1)</b> - "Solution Development, Sizing, Planning & Design"	10:30	40 Minutes
<b>Q&amp;A - Renewable Energy (Part 2)</b> - "Implementation, Operations and Maintenance"	11:10	40 Minutes
<b>Group Picture</b>	11:50	10 Minutes
<b>Lunch</b> - Sponsored by ComAp Americas	12:00	1 Hour
<b>Gold Sponsor Presentation</b> - ComAp Americas	13:00	20 Minutes
<b>Utility Presentation</b> - Hydro One Remotes - "Transitioning 'On-grid'"	13:20	30 Minutes
<b>Utility Presentation</b> - BC Hydro - "High Penetration Solar Integration at Anahim Lake" (UTILITY DELEGATES ONLY)	13:50	30 Minutes
<b>PM Break</b> - sponsored by EECOL Electric	14:20	20 Minutes
<b>Utility Presentation</b> - Qulliq Energy Corporation (QEC) - "Advanced Metering Infrastructure (AMI) Smart Cellular Revenue Metering"	14:40	30 Minutes
<b>Q&amp;A</b> - "The Future of Off-Grid"	15:10	1 Hour
<b>Presentations &amp; Conference Close</b>	16:10	20 Minutes



## TOUR THE OFF-GRID COMMUNITY OF Webequie First Nation

CONFERENCE AGENDA

# THURSDAY JUNE 6 OPTIONAL DAY EXCURSION



Intinerary	Time
Breakfast - grab & go (provided) Delta Hotel Lobby	7:15
Bus leaves Delta Hotel	7:30
Stop at Hillcrest Park (scenic vista)	7:40
Plane departs for Webequie First Nation	8:30
Arrive Webequie First Nation	10:00
Tour of Diesel Generating Station Part 1	10:00 - 11:30
Community Celebration BBQ	11:30 - 13:30
Generating Station & Distribution System Tour Part 2	13:30 - 15:00
Depart for Thunder Bay	15:30 (Approximate)
Arrive in Thunder Bay	17:00 (Approximate)



**Optional:** Delegate and Platinum Sponsor only. Guided tour of the generating station in the isolated off-grid community of **Webequie First Nation**.

This excursion will be available to 3 delegates from each member utility and will include a charter flight and lunch.

The guided tour will be hosted by our operation maintenance and engineering staff.

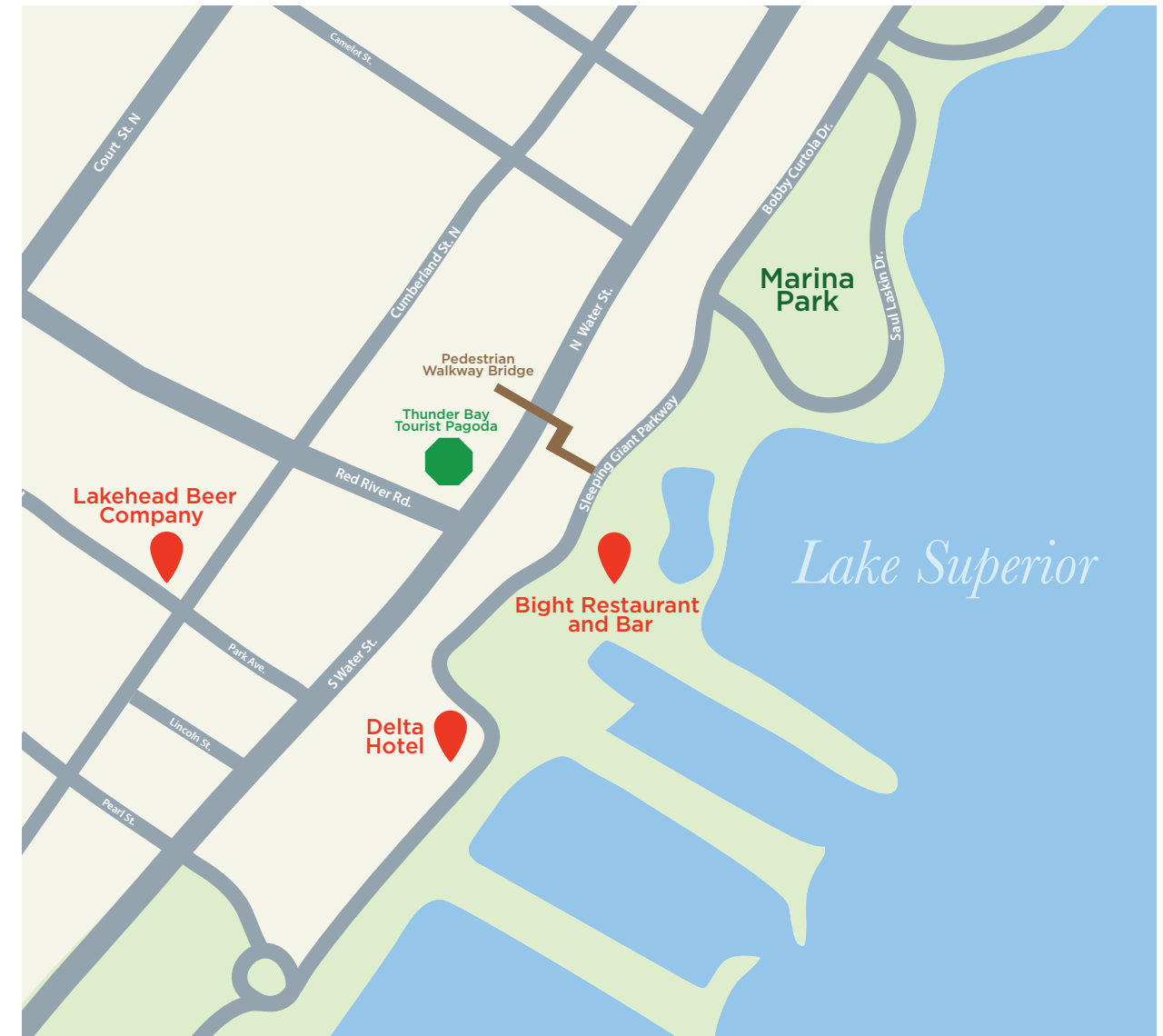
Participants are encouraged to travel home the following day (Friday) as remote travel in Northern Ontario can be unpredictable.

Proudly hosted by  
Hydro One Remote  
Communities Inc.



CONFERENCE

# LOCATIONS MAP



CONFERENCE

# Prime Power Diesel Inter-Utility



## MEMBER UTILITIES

Alaska Village Electric Cooperative Inc. (AVEC)

ATCO Electric

BC Hydro

Cordova Electric Cooperative

Hydro Quebec

Hydro One Remote Communities Inc.

Manitoba Hydro

Newfoundland & Labrador Hydro

Northwest Territories Power Corporation (NTPC)

Qulliq Energy Corporation (QEC)

ATCO Electric Yukon

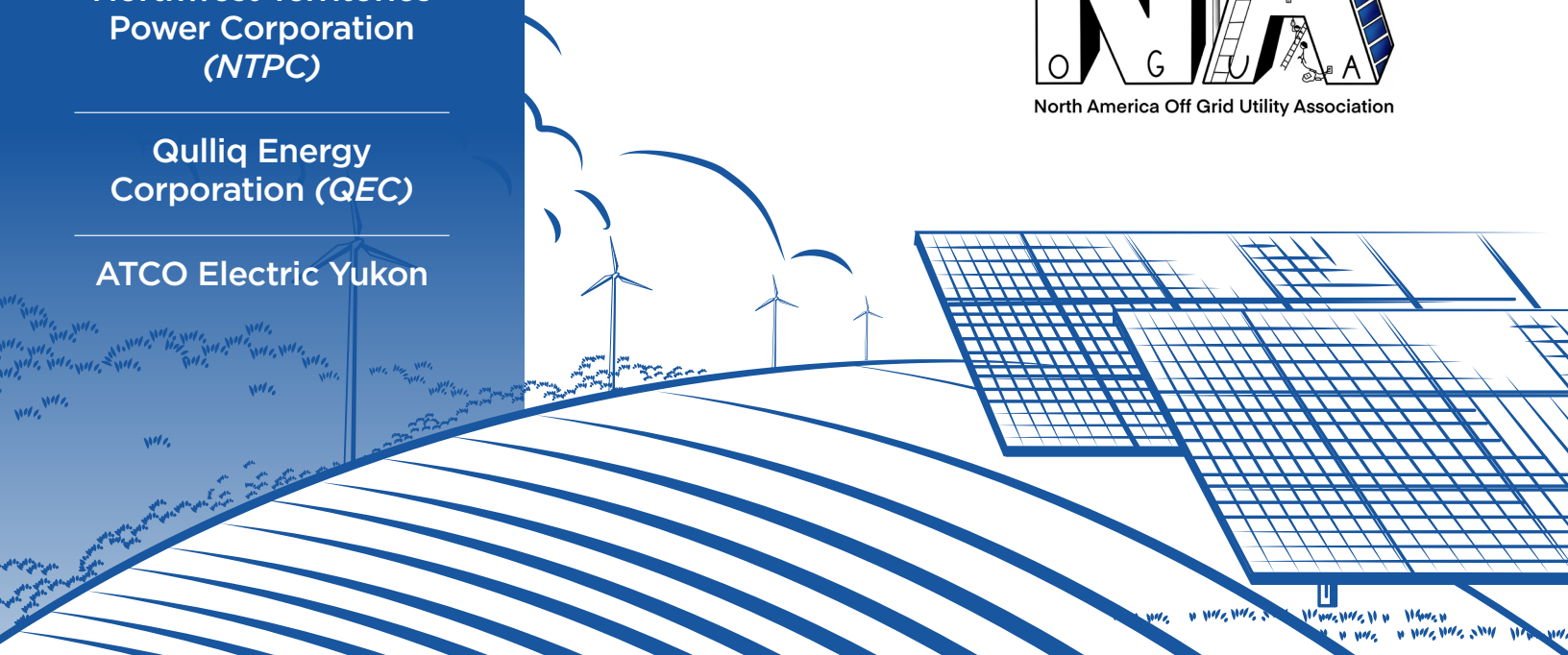
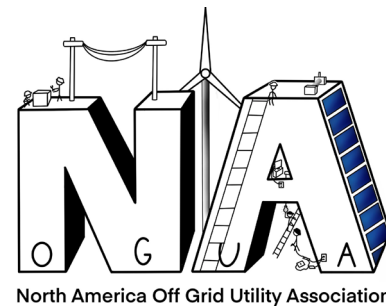
# ABOUT NAOGUA

## VISION

NAOGUA's vision is to be the industry forum for regulated off-grid utilities to share their business, technical and regulator knowledge and experience with each other in the purpose of promoting best practices.

## MISSION

NAOGUA's mission is to develop and advance the off-grid utility industry's technical best practices and regulatory performance measures in North America, recognizing that the off-grid utilities are the industry experts in North America.



THANK YOU TO OUR  
**SPONSORS** 2024

PLATINUM

**HITACHI**  
Inspire the Next



GOLD



SILVER



BRONZE



CONFERENCE

**Prime Power Diesel  
Inter-Utility**

