



ANNUAL REPORT TO THE COMMUNITY

APRIL 1, 2024 TO MARCH 31, 2025

Air quality monitoring and reporting
for communities, industries, and
governments that support a healthy
environment in the Peace River area.



pramp
PEACE RIVER AREA MONITORING PROGRAM

EXECUTIVE MESSAGE

PRAMP's Commitment to Air Quality and the Community

In 2024, the Peace River Area Monitoring Program (PRAMP) continued to strengthen collaboration and innovation in air quality monitoring across Alberta. As a proud member of the Alberta Airsheds Council, PRAMP values the ongoing partnership with the nine other Airsheds across the province. Together, we are advancing technical learning, building strong relationships with government representatives, and developing shared tools and resources that benefit all Albertans.

We were especially pleased to see PRAMP's new and innovative wildfire smoke resources adopted by Airsheds across Alberta. It is a strong example of how collaboration leads to progress, and

we're proud to be part of a network that keeps Alberta at the forefront of air quality monitoring, reporting, and education.

This year also marked a time of transition for our Board of Directors. We extend heartfelt thanks to Doug Dallyn, one of PRAMP's founding members and a long-time Director and Community Co-Chair, for his outstanding contributions. We also thank Directors Kevin Kemball and Sarah Stockley for their many years of dedication and service to the community. Their leadership helped shape PRAMP into the trusted and responsive organization it is today.

We are excited to welcome new Community Directors to the Board: Vivianne Gayton, Quamrul Huda, and David Walty. Each brings fresh perspectives, and we are already learning



Northern Sunrise County Council with their Air Quality Lantern sponsored by Obsidian Energy. From left to right: Councillor Dan Boisvert, Councillor Carolyn Kolebaba, Deputy Reeve Art Laurin, Councillor Jason Javos, Reeve Corinna Williams, & Councillor Gaylene Whitehead



Shelly Shannon, PRAMP Education & Outreach Coordinator and Sarah Lawrence, Peace River Municipal Library with the Air Quality Lantern sponsored by Islander Oil

from their insights and experience. We also appreciate Colleen Sklapsky, Councillor for the Town of Grimshaw, joining the PRAMP Executive.

PRAMP continues to receive growing interest from communities seeking air monitoring and air quality information. In response, the Board has begun discussions about expanding our boundaries. We are grateful for the input received from municipalities and stakeholders, and we will carefully consider all perspectives before making a decision in 2025.

Thank you to our partners, stakeholders, and community members for your continued support. Together, we are advancing our shared commitment to clean air and healthy communities.



Eileen Coristine, former PRAMP Education & Outreach Coordinator with Doug Dallyn, former PRAMP Board Member

EXECUTIVE

Amanda Peardon, Co-chair, Industry

Garrett Tomlinson, Co-chair, Government

Vacant, Co-chair, Community

Colleen Sklapsky, Secretary/Treasurer

VISION

Air quality monitoring and reporting for communities, industries, and governments that support a healthy environment in the Peace River area.

MISSION

Operate an ambient air quality monitoring program in the Peace River area that provides credible and comprehensive data for the community, industry, and governments.



PRAMP's Shelly Shannon, Education & Outreach Coordinator and Elvis Thomas, PRAMP Board Member with the Woodland Cree Nation Band Office Air Quality Lantern sponsored by Enfinite

EDUCATION & OUTREACH HIGHLIGHTS

Education and Outreach has been forging ahead with community partnerships, hands-on learning, and growing public awareness around the importance of clean air. From new tools for indoor air quality to inspiring engagement with educators and seniors, PRAMP continues to increase its reach and impact thanks to an annual grant from Alberta Environment and Protected Areas.

BRINGING REAL-TIME AIR QUALITY INFORMATION TO OUR COMMUNITIES

This year we launched our **Air Quality Lantern Sponsorship Program**. These vibrant indoor lanterns serve as accessible health tools in busy community spaces and provide real-time air quality information helping people make everyday decisions that support their health. Thanks to the generosity of local organizations, four lanterns were sponsored in the program's first year.

- **Peace River Municipal Library**
Sponsored by Islander Oil
- **Northern Sunrise County Administration Office**
Sponsored by Obsidian Energy
- **Peace River Health Centre**
Sponsored by Obsidian Energy
- **Woodland Cree Nation Band Office**
Sponsored by Enfinite

NEW TOOLS AND RESOURCES RESPOND TO COMMUNITY NEEDS

In response to community feedback, PRAMP developed a variety of resources focused on air quality and its impacts on both human and animal health. We are offering guidance to help individuals assess risk and take steps to protect their health, as well as the well-being of their pets. These visuals and presentations are now available to schools and community groups, supporting a broader understanding of AQHI data and promoting healthier, more informed choices.

SHARING OUR STORY WITH THE NORTHWEST

PRAMP reached thousands of readers through a featured article in *Move Up Magazine*. From our growing Air Quality Lantern Program to broader community-driven initiatives that support cleaner air and public health, the article spotlighted our work across the region. The article was distributed to more than 22,000 households, amplifying our message and inviting more communities to engage with PRAMP's educational resources and monitoring efforts. This type of outreach helps us build stronger regional connections and encourages widespread participation in air quality stewardship.



FAREWELLS AND WELCOMES

This year marked a significant transition for PRAMP's education and outreach work. After five years of dedicated service, **Eileen Coristine** stepped down from her role as Education & Outreach Coordinator. Eileen's work was instrumental in raising awareness about air quality issues across the region. Her passion for public education and strong community engagement helped shape PRAMP's identity and impact. We thank Eileen for her many contributions and wish her all the best as she turns her focus to art and travel.

Stepping into the role is **Shelly Shannon**, a long-time community leader and former PRAMP board member. With a strong background in communications and a personal passion for environmental responsibility, Shelly brings a wealth of experience and local insight. Her plans include deepening PRAMP's community connections through expanded outreach to schools, seniors, municipalities, and industry. Shelly aims to make PRAMP's work even more visible and inclusive, ensuring air quality remains a shared priority across the region to support sustainable development.



PRAMP Field Assistant James McCallum installing a PurpleAir sensor at Good Shepherd School

MONITORING PARAMETERS

		Station Name				
Monitoring Method	Parameter	986-C	842-B	Reno-B	PRC	AQHI (Grimshaw)
Continuous	Sulphur Dioxide	✓	✓	✓	✓	✓
	Hydrogen Sulphide				✓	
	Total Reduced Sulphurs	✓	✓	✓	✓	✓
	Hydrocarbons <i>Total, Methane, & Non-Methane</i>	✓	✓	✓	✓	✓
	Oxides of Nitrogen <i>Total, Nitric Oxide, Nitrogen Dioxide</i>					✓
	Ozone					✓
	Fine Particulate Matter <i>Particles ≤ 2.5 Microns in Diameter</i>					✓
	Wind <i>Speed & Direction</i>	✓	✓	✓	✓	✓
	Precipitation	✓	✓	✓		
	Climate Variables <i>Temperature, Relative Humidity, Barometric Pressure</i>	✓	✓	✓	✓	✓
	Air Quality Health Index (AQHI) <i>Third-Party Calculated Multi-Parameter Index</i>					✓
Intermittent	Non-Methane Hydrocarbon Canister	✓	✓	✓		
Passive	Polycyclic Aromatic Compounds	✓				
	Hydrogen Sulphide, Sulphur Dioxide				✓	

		Station Name				
Monitoring Method	Parameter	986-C, Reno-B, Peace River (above valley), Peace River (in valley), Nampa, Roma Drive, Woodland Cree (Cadotte Lake), Good Shepherd School, Holy Family School, Rosary School, M.D. of Peace Office (Berwyn)				
Small Sensor	Fine Particulate Matter <i>Particles ≤ 2.5 Microns in Diameter</i>	✓				
	Climate Variables <i>Temperature, Relative Humidity</i>	✓				

MONITORING HIGHLIGHTS

Our PurpleAir sensor network is growing!

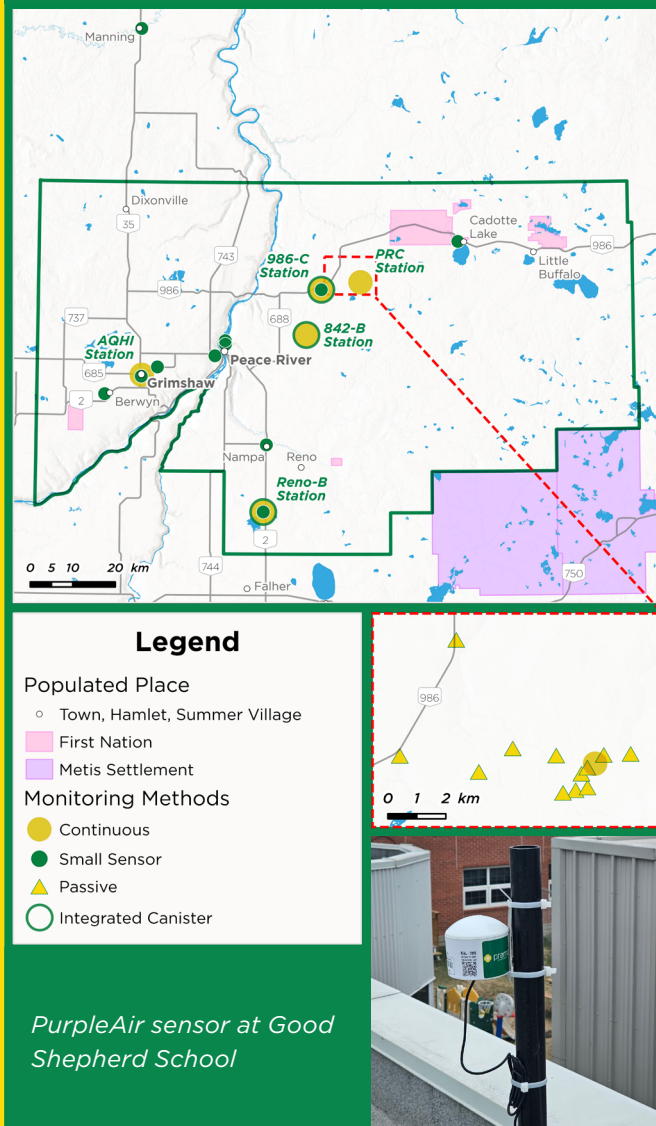
Working in partnership with the Holy Family Catholic Regional Division (HFCRD), PRAMP installed PurpleAir sensors at Holy Family School (Grimshaw), Good Shepherd School (Peace River), and Rosary School (Manning). PRAMP now has 11 PurpleAir sensors in the region.

Reliable air quality information from nearby sensors can help school officials make informed decisions about outdoor activities, particularly when wildfire smoke is present.

“We’re happy to be part of this project that promotes education and awareness of air quality in integration with technology. PRAMP has been a terrific partner, and we look forward to the abilities these devices will provide for our schools and communities,” says Shane O’Connor, HFCRD Occupational Health & Safety Coordinator.

PurpleAir devices are small air quality sensors that measure fine particulate matter (PM_{2.5}) in the air, providing real-time localized data. The sensors are known for their affordability and ease of use. Built-in WiFi enables them to transmit data to a website where it can be accessed using a smartphone app or computer.

PRAMP MONITORING NETWORK



Monitoring Methane: Long-Term Reductions and Emerging Insights

PRAMP's Technical Program Managers prepared a study of methane data from 2010-2024. Results were shared at the 2025 CanCH4 Symposium, and with the PRAMP Board.

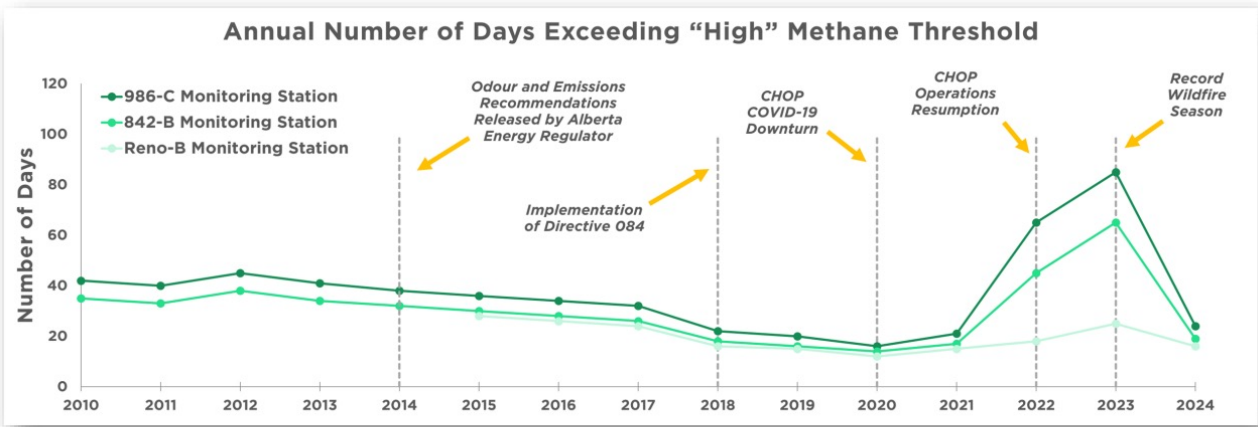
Methane levels in the Peace River area have shown a steady long-term decline, both before and after the introduction of Directive 084 in 2018. This downward trend demonstrates the effectiveness of enhanced emission controls and regulatory oversight in reducing the frequency and intensity of elevated methane events.

While the overall trajectory remains positive, elevated values observed in 2022-2023 serve as a reminder of the impact of non-routine

events such as wildfires and operational restarts. These recent anomalies highlight the need for refined monitoring approaches that can distinguish between industrial emissions and other environmental influences.

Looking ahead, the next step is to develop methods for separating wildfire-related impacts from emissions associated with cold heavy oil production (CHOP). This will help improve the accuracy of trend analyses and support informed regulatory decisions.

Ongoing, transparent, and community-driven monitoring remains essential. It ensures accountability, supports continuous improvement in emission reduction efforts, and helps maintain public confidence in environmental stewardship.



Annual days (at least one hour) with methane concentrations exceeding the “High” 95th percentile threshold (2.21 ppm) at PRAMP’s monitoring stations, 2010–2024. Notable events include the implementation of Directive 084 (2018), a CHOP restart after the COVID-19 Pandemic (2022), and widespread wildfire activity (2023).

PRAMP SUMMARY OF REVENUE AND EXPENSES

April 1, 2024 to March 31, 2025

REVENUE 2024-25	
Oil Sands Monitoring Service Contract	893,531
Education and Outreach Grant	59,095
Sponsorship	2,000
MONITORING AND REPORTING EXPENSES	
Monitoring Expenses	119,344
Station Management	259,968
Program Management	202,800
Report Production	78,824
Amortization	125,923
Society (Office) Management	69,327
Capital Acquisition	88,681
Total Contract Expenses	944,867
EDUCATION AND OUTREACH GRANT EXPENSES	
Outreach Materials and Promotion	10,359
Planning and Delivery	26,225
Advertising	9,910
Community Events and Travel	10,288
Printing and Supplies	2,313
Total Grant Expenses	59,095

THANK YOU MEMBERS & SUPPORTERS

GOVERNMENT

- Alberta Environment and Protected Areas
- Alberta Health Services
- County of Northern Lights
- Métis Nation of Alberta
- MD of Fairview
- MD of Smoky River
- MD of Peace
- Northern Sunrise County
- Town of Grimshaw
- Town of Manning
- Town of Fairview
- Woodland Cree First Nation

COMMUNITY

- Vivianne Gayton
- David Walty
- NAIT - Quamrul Huda

INDUSTRY

- Baytex Energy
- CNRL
- Enfinite
- Headwater Exploration
- Obsidian Energy
- Islander Oil and Gas
- Tamarack Valley Energy

BOARD OF DIRECTORS

Amanda Peardon

Co-chair, Industry
(Baytex Energy)

Garrett Tomlinson

Co-chair, Government
(Métis Nation of Alberta Region 6)

Colleen Sklapsky

Secretary/Treasurer,
Government (Town of Grimshaw)

Vivianne Gayton

Director, Community

Quamrul Huda

Director, Community (NAIT)

Jason Javos

Director, Government
(Northern Sunrise County)

Art Laurin/Kenda Friesen

Director, Industry (Obsidian)

Krista Park

Director, Government
(Alberta Health Services)

Matt Snowden/Brad Connors

Director, Industry (CNRL)

Elvis Thomas

Director, Government
(Woodland Cree First Nation)

Andy Trudeau

Director, Government
(MD of Smoky River)

David Walty

Director, Community

GRANT FUNDING



SPONSORS





Air Quality Lantern at the Peace River Library



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PEACE RIVER AREA MONITORING PROGRAM

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Visit **prampairshed.ca** for air
quality information. Sign up
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Cover Photo by PRAMP photo contest winner Shelly Nidish