



MUNICIPAL PUBLIC WORKS Department

ACTIVITY REPORT DECEMBER 2024 to FEBRUARY 2025

The Municipal Public Works Department assists the Northern Villages in securing the infrastructure and equipment necessary for their development. All the department's activities in this respect are performed in close cooperation with the Northern Villages, whose participation is essential to the success of these activities. The department also provides technical assistance and training to municipal staff to increase knowledge in fields relevant to municipal activities and to make the Northern Villages more autonomous. Moreover, the department is also responsible for maintaining all KRG infrastructure.

PROGRAMS

TECHNICAL ASSISTANCE PROGRAM (SIVUNIRMUT AGREEMENT, PART ONE, MANDATE B.10)

- **Drinking water and wastewater**
 - Day-to-day assistance was given by phone to operators (including troubleshooting, repairs, adjustments of systems, purchase of parts, and follow-up on samplings/tests).

Bacteriological Analysis – Colilert Sampling Results

	2021	2022	2023	2024	2025
	50 weeks	52 weeks	50 weeks	43 weeks	6 Weeks
Kangiqsualujuaq	95%	92%	82%	95%	83%
Kuujuaq	98%	98%	98%	100%	83%
Tasiujaq	81%	87%	88%	91%	67%
Aupaluk	79%	90%	92%	98%	83%
Kangirsuk	84%	96%	88%	81%	50%
Quaqtaq	65%	96%	82%	88%	83%
Kangiqsujuaq	93%	88%	80%	93%	83%
Salluit	91%	71%	92%	95%	83%
Ivujivik	63%	98%	98%	77%	67%
Akulivik	49%	85%	74%	88%	50%
Puvirnituq	77%	75%	66%	88%	50%
Inukjuak	86%	73%	90%	88%	67%
Umiujaq	79%	85%	60%	84%	50%
Kuujjuarapik	98%	98%	96%	100%	83%
Average Nunavik	81%	89%	85%	91%	81%

Sampling results:

- We are currently at 81%, and the regional objective is 85%. The regional average is below target, and there's a need to improve testing performances regionally for all 14 NV (all are below 85%).
- The performance of the operators from Ivujivik, Puvirnituk, and Umiujaq are **deficient**.
- Physical and chemical testing of raw and treated water:
 - o The first sampling campaign for the year, Q1, is underway. Sampling kits have been dispatched to the communities for testing and analysis.

This test is crucial since it tracks any potential changes to the quality of source water (lakes and rivers) and confirms if the existing treatment process continues to produce safe drinking water.

Interventions made in collaboration with operators and communities on water infrastructure:

- Development continues of a new software application with a centralized and automated phone system to improve the user experience in communicating water and sewage service needs. The integrated system will provide KRG and the NVs with valuable data to identify focus areas required for improvement. It can also help truck route planning to increase efficiency and reduce vehicle wear and fuel consumption. A demo version of the app was well received by NV Kuujuaq, and pilot testing is underway.
- **Kangisualujuaq**
 - o Investigation – Leaks in the pipeline; leak detection device delivered (ongoing)
- **Kangirsuk**
 - o Replacement of chlorine skid (ongoing)
 - o Repair heating in pumping station and water plant (ongoing)
- **Quaqtaq**
 - o Assisting NV to manage frozen pipeline and minimize consequential damages
- **Ivujivik**
 - o Assisting NV with damage control after vandalism (ongoing)
 - o Assisting NV in hiring a new operator (ongoing)
 - o Troubleshooting defects in heating system and glycol circulation (ongoing)
- **Puvirnituk**
 - o Assisting the NV with temporary operation of the plant and training a new operator
- **Inukjuak**
 - o Troubleshooting issues at the raw water pumping station
- **Umiujaq**
 - o Assisting the NV with recommissioning a frozen raw water pump
- **Rolling Stock – vehicles and heavy equipment**
 - o Seven NVs were visited by mechanic-instructors, assisting with repairs and follow-up of preventative maintenance

NVs are reminded to improve communication regarding their fleet status for effective overhaul planning when needed. Given the ongoing supply chain disruptions and the lengthy lead times for acquiring new service trucks, the municipalities' role in ensuring proper maintenance and management of the existing fleet is significantly more critical.

ISURRUUTIIT PROGRAM 5 (2023-2026) (Quebec Ministry of Municipal Affairs and Housing - MAMH)

The Program, also known as the Northern Villages' Municipal Infrastructure Agreement, was signed between KRG and MAMH in April 2024 to build and improve municipal infrastructure. It provides an envelope grant of \$153.8M to KRG to invest in infrastructure projects and studies in the NVs, and to manage the program.

To date, 115 projects and purchases worth \$136M have been voted on and are in progress, representing 89% of the envelope. \$16.7M remains, split between roads (\$3.2M) and rolling stock (\$7.2M), leaving \$6.3M available for all other infrastructure. Please see Appendix 1 for more details.

Component 1 – Drinking water infrastructure

- **Aupaluk**
 - Blasting works continued until end of 2024 and will resume in March, with expected completion in Spring of 2025
 - Engineering works are completed, and CFT launched
- **Quaqtaq**
 - Purchase of heat trace cable contract awarded
- **Salluit**
 - Intake upgrades: Engineering investigation report received, and professional services contract is in progress to design recommended upgrades
- **Akulivik**
 - Public CFT will be launched before end of February for civil works associated with expanding treated water reservoir
- **Kuujuaraapik**
 - Project to upgrade control and automation system: Work has been rescheduled to start at beginning of June due to excavation work needed to replace cat 5e cable
- **Ivujivik, Puvirnituk, and Inukjuak**
 - Service contract for rehabilitating raw water supply and treatment system has been awarded to the contractor

Component 2 – Wastewater and stormwater infrastructure

- **Kangirsuk**
 - Concept design report received from consultants; works will be planned in next phase of the program
- **Kangiqtujuaq**
 - Construction resumed and expected to be completed by October 2025

- **Salluit**
 - Concept and feasibility study by consultants to find optimal solution for pipeline and pumping station or treatment system is at 90% progress, and options will be presented to NV by end of the year. Construction will be planned in next phase of the program
 - Repair of freeze protection system partially completed; remainder will require redesign
- **Puvirnituk and Umiujaq**
 - Production of CFT document completed; construction works expected to start in 2025
- **Inukjuak**
 - Project involves repair to lagoon system: investigations and surveying in progress to design optimum solution

Component 3 – Municipal service infrastructure

- Project requests have been received, and evaluations ongoing to prioritize and select projects per approved selection criteria
- **Quaqtaq**
 - Municipal office emergency renovations (mold remediation)
 - Preparation of CFT documents for remediation works in progress
 - Specialized firm visited and conducted indoor air quality investigation and provided recommendations

Component 5 – Local road infrastructure

- **Kuujuuaq**
 - Design activities commenced for grade and drainage improvement of Area A and new road construction in Area B of new development areas per approved Master Plan
- **Kangirsuk**
 - Bridge near water treatment plant inspected, and structural integrity confirmed; surface improvement under design
 - For crossing over Tasiulap Creek to access new solid waste site, a biological study completed to reapply for permit from Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs; all permits except one obtained, and CFT launch is expected in April 2025
- **Puvirnituk**
 - Call for tenders in process for new burrow pit road
- **Kuujuarapik (access to new solid waste site)**
 - Call for tenders relaunched for 5.2km road widening project
- Planning activities for new housing development projects in all NVs ongoing in collaboration with Land Use Planning Section of Renewable Resources Department and Makivvik.

Component 6 – Rolling stock

- MAMH has approved allocation of additional funds for rolling stock, and tender preparations are underway for purchases based on approved criteria.

PIVALLIUTIIT 5 (Secrétariat aux relations avec les Premières Nations et les Inuit, SRPNI – formerly SAA)

MPW is responsible for the Community Infrastructure Project Funding Framework of The Indigenous Initiatives Fund IV In Nunavik, also known as PIVALLIUTIIT 5. This Agreement establishes the parties' general commitments to promoting economic development, the creation or consolidation of jobs, the start-up or development of businesses, and the renewal and improvement of infrastructure to increase the population's well-being and living conditions of the Kativik region.

Through IIF IV, Québec is making available to the KRG, until March 31, 2027, a budget of \$21 million to finance community infrastructure projects, according to priorities and needs expressed by the KRG. The MPW is responsible for selecting community infrastructure projects for AIF IV financial aid. These projects must meet specific program criteria, and financial assistance per NV cannot exceed \$4 million.

Planning, budgeting, and design work for all projects in this program will be completed this year, and all selected projects will be completed in 2025 and 2026.

Collaboration is ongoing with SRPNI to verify and reconcile exact residual amounts from previous phases that will be added to the current phase.

Other programs, such as TECQ, PAFIRS, and Makivik's ICIF, will jointly fund some projects.

- **Kangiqsualujjuaq Arena**
 - see PAFIRS section below
- **Tasiujaq New Playground**
 - Landscape designer hired subsequent to successful call for tenders; design work in process
- **Tasiujaq Arena**
 - A new technical solution to address the foundation of the ice rink was developed and works will resume in the construction season;
- **Kuujuaraapik, rehabilitation of St. Edmunds Church**
 - Construction contract awarded subsequent to successful call for tenders (4th iteration); works will commence in Summer 2025

FUEL EXCISE TAX PROGRAM (TECQ) PROGRAM – 4 and 5

The current iteration of the program (phase 4) is in its final stage, with only one project ongoing:

- **Tasiujaq Arena renovation**
 - jointly funded by PIVALLIUTIIT 5 - see PIV5 section above

MAMH has confirmed phase 5, with total envelope of \$11.1M. Program terms and conditions are being translated and evaluated to start projects in compliance.

RECREATIONAL AND SPORTS INFRASTRUCTURE FINANCIAL ASSISTANCE PROGRAM (PAFIRS)

- Negotiations have been undertaken with Makivik to collaborate on financial and project management since they provide a portion of the funds for these projects.
- **Kangiqsualujjuaq Arena Renovation**
 - o Plans and specifications are 90% complete. Call for tender is planned to be launched in first quarter of 2025 for construction to occur between summers of 2026 and 2027
- **Kangirsuk Community Center Renovation and Expansion**
 - o Plans and specifications ongoing. Call for tenders for construction works is expected to be launched in Summer 2025 for construction to take place in 2026 and 2027

PROJECT MANAGEMENT FOR OTHER KRG DEPARTMENTS

Fire Halls (Civil Security Department)

- **Tasiujaq, Kangirsuk, Quaqtaq, and Akulivik:** Works are substantially completed
- **Salluit:** Construction is planned for Summer 2025

Nunavik Police Services

- **Puvirnituk and Inukjuak (New Police Stations)**
 - o Service contract awarded to architectural firm to develop new functional program and cost estimates
- **Akulivik (Emergency Power Generation)**
 - o Engineering works completed, and call for tenders launched for emergency power generation system for NPS station

KRG HOUSING PROJECTS

- Major Renovation to houses #638 delayed until next year due to structural issues
- Major Renovation to house #1249 delivered at end of 2024
- Major Renovation to houses #1081 & 1265 planned for March 2025
- Major renovations and structural remediations for #2163 and #2161- professional service contract in process with a consulting firm to start design works
- Major renovations of quadruplexes 1480 and 1482: Work completed in five of eight units, and delivery pending indoor air quality test results. Remaining three units will be ready by May 2025
- New staff housing projects:
 - o Construction of two multiplex buildings with a total of 32 apartments
 - o Design works are at 50% progress
 - o A call for tenders is expected to launch by May 2025

KRG BUILDING MAINTENANCE

- MPW's maintenance section maintains KRG's 164 buildings in the 14 NV. Despite reduced staff, we manage to keep up with emergencies and day-to-day requests and are slowly doing some preventive maintenance.
- **Kuujuaq**
 - Professional services contract in process for expansion of Construction (Blue) Workshop
 - We are working to replace furnaces of the 7 Bo-plex houses. Three were done by December 2024, and remaining four will be replaced by Spring 2025
- The Operational Services section finally has a coordinator who will be working to improve the performance of this section;
- **Umiujaq**
 - Tursujuq Park Pavilion had temporary heating system installed in December which will help keep building in safe condition until entire renovation project is started
- **KRG Office Kuujuaq**
 - Service contracts awarded to separate consulting firms for office HVAC upgrade and expansion of building's west access, as well as upgraded access control system
 - Planning and design work to renovate and enlarge Kuujuaq warehouse at 80% progress

APPENDIX 1 – BRIEF FINANCIAL STATUS OF ISURRUUTIIT PROGRAM 5 as of October 2024

Summary all IP-5 components

Component	Count of Approved Projects	Approved Budget
1-Drinking water infrastructure	12	\$ 50,045,000
1.1	5	\$ 24,830,000
1.2	6	\$ 19,995,000
1.3	1	\$ 5,220,000
2-Wastewater and stormwater infrastructure	4	\$ 3,080,000
2.1	2	\$ 1,050,000
2.2	2	\$ 2,030,000
3-Municipal service infrastructure	2	\$ 856,000
3.1	1	\$ 200,000
3.2	1	\$ 656,000
4-Waste management infrastructure	1	\$ 8,050,000
4.1	1	\$ 8,050,000
5-Local road infrastructure	24	\$ 45,952,470
5.1	23	\$ 40,652,470
5.2	1	\$ 5,300,000
6-Rolling stock	69	\$ 26,642,116
6.1	24	\$ 10,375,000
6.2	19	\$ 7,800,000
6.3	9	\$ 2,707,116
6.4	17	\$ 5,760,000
7-Studies	3	\$ 1,710,000
7.1	2	\$ 910,000
7.2	1	\$ 800,000
Grand Total	115	\$ 136,335,586

Table 1 Summary of all IP-5 components as of November 2024

	Count - Approved Projects	Approved Budget
Hudson	59	\$ 78,740,972
Akulivik	5	\$ 7,420,000
Inukjuak	10	\$ 14,390,000
Ivujivik	3	\$ 3,362,594
Kuujjuaraapik	5	\$ 21,930,000
Puvirnituaq	15	\$ 10,391,000
Salluit	13	\$ 18,410,000
Umiujaq	8	\$ 2,837,378
N/A	3	\$ 1,710,000
Kativik Region	3	\$ 1,710,000
Ungava	53	\$ 55,884,614
Aupaluk	8	\$ 17,887,144
Kangiqsualujuaq	9	\$ 4,670,000
Kangiqsujuaq	8	\$ 7,230,000
Kangirsuk	7	\$ 11,305,000
Kuujuaq	12	\$ 6,997,470
Quaqtaq	6	\$ 5,825,000
Tasiujaq	3	\$ 1,970,000
Grand Total	115	\$ 136,335,586

Table 2 Distribution of approved projects and budgets by NV as of November 2024

APPENDIX 2 – STAFF LIST AND CONTACT INFORMATION

Hossein Shafeghati	hshafeghati@krg.ca extension 2322	Director - Administration and management of the Department
Cindy Koneak	extension 2355	Administrative Technician

INFRASTRUCTURE DIVISION

Alain Tourigny	atourigny@krg.ca extension 2362	Assistant Director – Infrastructure Division - Administration and management of the Infrastructure Division & Technical Assistance Program
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Project Managers

Connie Obiuto**	conwankwo@krg.ca extension 2354	Water and wastewater infrastructure- Ungava Coast • Water Plant and sewage lagoon maintenance, construction & renovation, and quality management
Iheoma Nkwoji	inkwoji@krg.ca extension 2380	Water and wastewater infrastructure- Hudson Coast • Water Plant and sewage lagoon maintenance, construction & renovation, and quality management
Ahmed ElMallah	aelmallah@krg.ca extension 2358	Building Infrastructure Projects
Chiagozie Victor Oraeki	vochiagozie@krg.ca extension 2419	
Christian Dostie	cdostie@krg.ca	Road/paving projects and Rolling Stock
Amar Djedid	adjedid@krg.ca extension 2430	Civil projects (roads, bridges, drainage, paving) - Hudson
Vacant, three (4) positions		Project Managers

Project and Program Controls

Eduardo Olguin Diaz	eolguind@krg.ca extension 2259	Project and Program Controller
Vacant, one (1) position		Project and Program Controller

Technical Assistance Program

Alfred Nikiema	anikiema@krg.ca	Coordinator
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Heavy Equipment Mechanic Instructors

Eric Ouellette	eouellette@krg.ca	Mechanics Instructors (Nunavik rotation) Assistance/on-the-job training to municipal mechanics
Matthew Murray	mmurray@krg.ca	
Vacant	One instructor position	

Water Plant Maintenance Instructors

Ernest Baas	ebaas@krg.ca Extension 2377	Assistance and on-the-job training to municipal operators Water Plant Instructor / Team Leader - Kuujuaq
François Corbeil *		
Frank Stevens	fstevens@krg.ca	Rotation – Kangisualujuaq, Tasiujaq, Aupaluk and Kangisujuaq
Michael Meness	mmeness@krg.ca	Rotation – Kangirsuk, Quaqtaq, Salluit and Ivujivik
Patrick Desteredjian	pdesteredjian@krg.ca	Rotation – Akulivik, Puvirnituq, Inukjuak, Umiujaq and Kuujuaapik

* Temporarily out of office

** New team member

*** New Position

BUILDING MAINTENANCE DIVISION maintenance@krg.ca

Watson A. Fournier, Eng	wafournier@krg.ca Extension 2364	Assistant Director – Building Maintenance Division - Administration & Management of the Maintenance division
Rebecca Jones	rjones@krg.ca extension 2391	Administrative Technician
Kuujuuaq Maintenance Crew		
Ankas Mukubu	amukubu@krg.ca Extension 2375	Coordinator
David Paris	dparis@krg.ca	Building maintenance technician
John Chocholacek	jchocholacek@krg.ca	Building maintenance technician
Maxime Dupont	mdupont@krg.ca	Building maintenance technician – electrician
Yvan Morin**	ymorin@krg.ca	Building maintenance technician - plumber
Marc Couture **	mcouture@krg.ca	Building maintenance technician - carpenter
Vacant – 2 positions		Building maintenance technicians
Kuujuuaq Operations Crew		
Musthafa Jaffeer**	mjaffeer@krg.ca	Coordinator
Adamie Johannes	ajohannes@krg.ca	Storekeeper
Alexandre Gagne	agagne@krg.ca	Receiving clerk
Dave Parsons	dparsons@krg.ca	Vehicle Fleet technician
Johnny Kudluk	jkudluk@krg.ca	Labourer
Joshua May	jmay@krg.ca	Labourer
Noah Angnatuk	nangnatuk@krg.ca	Labourer
Robert Ekomiak	rekomiak@krg.ca	Storekeeper
Sammy Munick	smunick@krg.ca	Labourer
Nunavik Maintenance Crew		
André Cornellier	acornellier@krg.ca	Coordinator
Assistant coordinator***	Vacant	
Alain Turcotte	aturcotte@krg.ca	NV Building Maintenance Technicians (Nunavik rotation)
David Gauthier	Davgauthier@krg.ca	- Maintenance of KRG buildings (police stations, airport terminals and garages, office buildings, staff housing) and Childcare centers
Denis Lafreniere	dlafrerie@krg.ca	- Assistance/on-the-job training for NV buildings (water plants, arenas, community centers, swimming pools) to municipal building technicians, etc.
Eric Chamberland	echamberland@krg.ca	
John Coady	jcoady@krg.ca	
Rodney Vezina	rvezina@krg.ca	
Tyler Welsh	twelsh@krg.ca	
François Bonhomme**	fbonhomme@krg.ca	
Vacant – 1 position		
Construction Crew		
Miguel Simard	msimard@krg.ca ext 2378	Coordinator
Olivier Simard	osimard@krg.ca	Carpenter
Fernand Lebreux	flebreux@krg.ca	Carpenter
Maxime Mireault	mmireault@krg.ca	Carpenter
Martin Beauvais	mbeauvais@krg.ca	Carpenter
Reid Renouf	rrenouf@krg.ca	Carpenter
Yves Lapointe	ylapointe@krg.ca	Carpenter
Danny Fredette	dfredette@krg.ca	Plumber
Olivier Lavoie	Olavoie@krg.ca	Carpenter
Nicolas Laquerre**	Nlaquerre@krg.ca	Plumber
Stéphane Brousseau**	Sbrousseau@krg.ca	Plumber