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Iqaluit Nukkiksautiit Project (INP)

ᐃᓐᓂᓐᓂᓐᓂᓐ ᓐᓂᓐᓂᓐᓂᓐᓂᓐ:	New
ᐱᓕᓕᓐᓂᓐᓂᓐᓂᓐ ᓐᓂᓐᓂᓐᓂᓐᓂᓐ:	ᓄᓇᓕᓂᓐ ᓐᓂᓐᓂᓐᓂᓐ
ᐅᓐᓂᓐ ᐃᓐᓂᓐᓂᓐᓂᓐᓂᓐ:	Friday, July 3, 2026
Period of operation:	from 2031-12-02 to 2099-12-31
ᐱᓕᓕᓐᓂᓐᓂᓐᓂᓐ:	Heather Shilton Nunavut Nukkiksautiit Corporation 200-5300 Qulliq Court Iqaluit NU X0A2H0 Canada ᐅᓐᓂᓐᓂᓐᓂᓐ: 8679798400, ᓐᓂᓐᓂᓐ:

כחלק מ

ፍጹሙ ደብዳቤው ለጥቅምቲ ፩ ቀን ይቆያል።

ᑭᓇᐱᕐᐸᕐᐸᕐᐸ: The Iqaluit Nukkiqsautiit Project (INP) is an Inuit-led renewable energy project. It proposes to build a hydroelectric power facility in the Kuugaluk River system on the Hall Peninsula. The Project is led by the Nunavut Nukkiqsautiit Corporation (NNC), a 100% Inuit-owned clean energy company. The goal of the Project is to provide a reliable source of renewable electricity for Iqaluit and to reduce the use of diesel fuel brought in from outside Nunavut. The Project would include a hydroelectric facility with a planned power capacity of about 15 megawatts (MW). Electricity would be produced by storing water from an existing lake and river system and releasing it through turbines. The main parts of the Project would include a dam, a reservoir, and a powerhouse with turbines and generators. Other water control structures, such as spillways and intake structures, would help manage water levels and flows. The reservoir is expected to cover about 7,300 hectares, and water levels would be managed to support power generation while allowing water to continue flowing downstream. Other Project infrastructure would include about 65 kilometres of new all-season access roads, smaller roads within the Project area, and a 66-kilometre transmission line to carry electricity to Iqaluit. A new substation near Iqaluit would connect the power to the existing electrical system. Temporary facilities, such as seasonal camps, work areas, and material borrow sites, would be needed during study and construction work. These temporary areas would be removed or restored once they are no longer needed. At this time, the Project is still in the planning stage. The exact size, location, and design of Project components are being finalized. Details such as road routes, construction methods, water management plans, and operating rules will be updated as more engineering work, environmental studies, and Inuit engagement are completed. The Project is currently completing environmental, socio-economic and technical studies. These studies look at water flow, water quality, fish and wildlife, permafrost, and ground stability. The information collected will help prepare future environmental reports, including an Environmental Impact Statement (EIS), and will help improve Project design and safety measures. The Project is being reviewed under the Nunavut Planning and Project Assessment Act (NuPPAA). It requires review by the Nunavut Planning Commission and screening by the Nunavut Impact Review Board (NIRB). Based on current information, the Project does not require a federal impact assessment. Federal permits will still be needed for specific activities, such as work in water or near navigable waters. If the Project is approved and built, it could greatly reduce diesel use in Iqaluit, lower greenhouse gas emissions, and improve long-term energy security. The Project would also support Inuit jobs, training, and business opportunities. NNC will continue to work with Inuit communities, regulators, and partners to make sure the Project reflects Inuit values, protects the environment, and meets territorial priorities.

▷Δ&NDC: Le projet Iqaluit Nukkiqsautiit (INP) est un projet d'énergie renouvelable mené par les Inuit[RD1.1]. Il propose la construction d'une centrale hydroélectrique dans le réseau hydrographique de la rivière Kuugaluk, sur la péninsule Hall. Le projet est dirigé par la Nunavut Nukkiqsautiit Corporation (NNC), une entreprise d'énergie propre détenue à 100 % par les Inuit. L'objectif du projet est de fournir une source fiable d'électricité renouvelable à Iqaluit et de réduire l'utilisation de carburant diesel importé de l'extérieur du Nunavut. Le projet comprendrait une centrale hydroélectrique d'une puissance prévue d'environ 15 mégawatts (MW). L'électricité serait produite en stockant l'eau provenant d'un lac et d'un réseau fluvial existants et en la libérant à travers des turbines. Les principaux éléments du projet comprendraient un barrage, un réservoir et une centrale électrique équipée de turbines et de générateurs. D'autres ouvrages de contrôle des eaux, tels que des déversoirs et des prises d'eau, aideraient à gérer les niveaux et les débits d'eau. Le réservoir devrait couvrir environ 7 300 hectares, et les niveaux d'eau seraient gérés de manière à permettre la production d'électricité tout en laissant l'eau continuer à s'écouler en aval. Les autres infrastructures du projet comprendraient environ 65 kilomètres de nouvelles routes d'accès toutes saisons, des routes plus petites dans la zone du projet et une ligne de transport d'électricité de 66 kilomètres pour acheminer l'électricité vers Iqaluit. Une nouvelle sous-station près d'Iqaluit permettrait de raccorder l'électricité au réseau électrique existant. Des installations temporaires, telles que des camps saisonniers, des zones de travail et des sites d'emprunt, seraient nécessaires pendant les travaux d'étude et de construction. Ces zones temporaires seraient supprimées ou restaurées dès qu'elles ne seraient plus nécessaires. À l'heure actuelle, le projet en est encore au stade de la planification. La taille, l'emplacement et la conception exacts des composantes du projet sont en cours de finalisation. Les détails tels que le tracé des routes, les méthodes de construction, les plans de gestion de l'eau et les règles d'exploitation seront mis à jour à mesure que les travaux d'ingénierie, les études environnementales et la participation des Inuit seront achevés. La zone du projet comprend la

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Personnel

Personnel on site: 90

Days on site: 2000

Total Person days: 180000

Operations Phase: from 2027-12-01 to 2031-12-01

Operations Phase: from 2031-12-02 to 2099-12-31

Post-Closure Phase: from to

ΔᖃᓗΔᑦ	Open house	Nunavut Arctic College	2023-11-01
ΔᖃᓗΔᑦ	Open house	Iqaluit Public	2023-12-01
ΔᖃᓗΔᑦ	Private	QIA Board	2024-03-01
ΔᖃᓗΔᑦ	Open h ouse	Iqaluit Rightsholders	2024-07-01
ΔᖃᓗΔᑦ	Private	Amaruq HTA	2025-01-01
ΔᖃᓗΔᑦ	Open house	Iqaluit Rightsholders	2025-01-01
ΔᖃᓗΔᑦ	Open house	Iqaluit Public	2025-01-01
ΔᖃᓗΔᑦ	Open house	Rightsholders	2025-03-01
<ᖃᓄᓗᖃ	Open house	Panniqtuuq Community Lands and Resources Committee	2025-03-01
<ᖃᓄᓗᖃ	Open house	Panniqtuuq Public	2025-03-01
ΔᖃᓗΔᑦ	Private	Amaruq HTA	2025-03-01
ΔᖃᓗΔᑦ	Private	GN Premier	2025-03-01
<ᖃᓄᓗᖃ	Private	Panniqtuuq HTA	2025-05-01

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South Baffin

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Nunavut Planning Commission	Conformity Determination (#151033)	Active	2026-02-02	
ᑕᐃᑦᑕᑦ ᐃᑦᑕᑦᑕᑦᑕᑦ	Fisheries Authorization	Not Yet Applied		
ᑕᐃᑦᑕᑦ ᐃᑦᑦᑕᑦᑕᑦᑕᑦᑕᑦ	Navigable Waters Act Approval	Not Yet Applied		
ᑕᐃᑦᑕᑦ ᐃᑦᑕᑦᑕᑦᑕᑦᑕᑦ	Water Licence(s)	Not Yet Applied		
Environment and Climate Change Canada	Canadian Environmental Protection Act Approval	Not Yet Applied		
Hamlets and Municipalities	Letter of Support	Applied, Decision Pending		
Hunters and Trappers Associations/Organizations	Letter of Support	Applied, Decision Pending		
Crown Indigenous Relations and Northern Affairs Canada	Class A Land Use Permit	Not Yet Applied		

Project transportation types

Transportation Type	ᑕᐃᑦᑕᑦ ᐃᑦᑕᑦᑕᑦᑕᑦᑕᑦ	Length of Use
Air	Helicopter	
Water	Boat	
Land	ATV, pick-ups, heavy equipment	

Project accomodation types

Temporary Camp

A^cd^c d^ar^a^b d^c^bC^bD^bσd^ar^a^b ΔL^cb^aD^aN^ar^c Δd^cCΔ^c, Γ^c-^ad^ap^an^c, ^bb^aL^cC^ai^b, m^ae^ar^aD^c d^ar^ar^c-^a

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Aviation fuel	fuel	95	205	19475	Liters	Aircraft fuel
Propane	fuel	243	205	49815	Liters	Heating, cooking, temporary support facilities

$$\Delta^b C d r n \sigma \Delta^c \sigma^c$$

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See attached Project Proposal Section 6.0

Additional Information

SECTION A1: Project Info

See attached Project Proposal

SECTION A2: Allweather Road

See attached Project Proposal

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

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See attached Project Proposal Section 5.1

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See attached Project Proposal Section 5.2

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See attached Project Proposal Section 5.3

Miscellaneous Project Information

See attached Project Proposal

[illegible]

See attached Project Proposal Section 6.0

Cumulative Effects

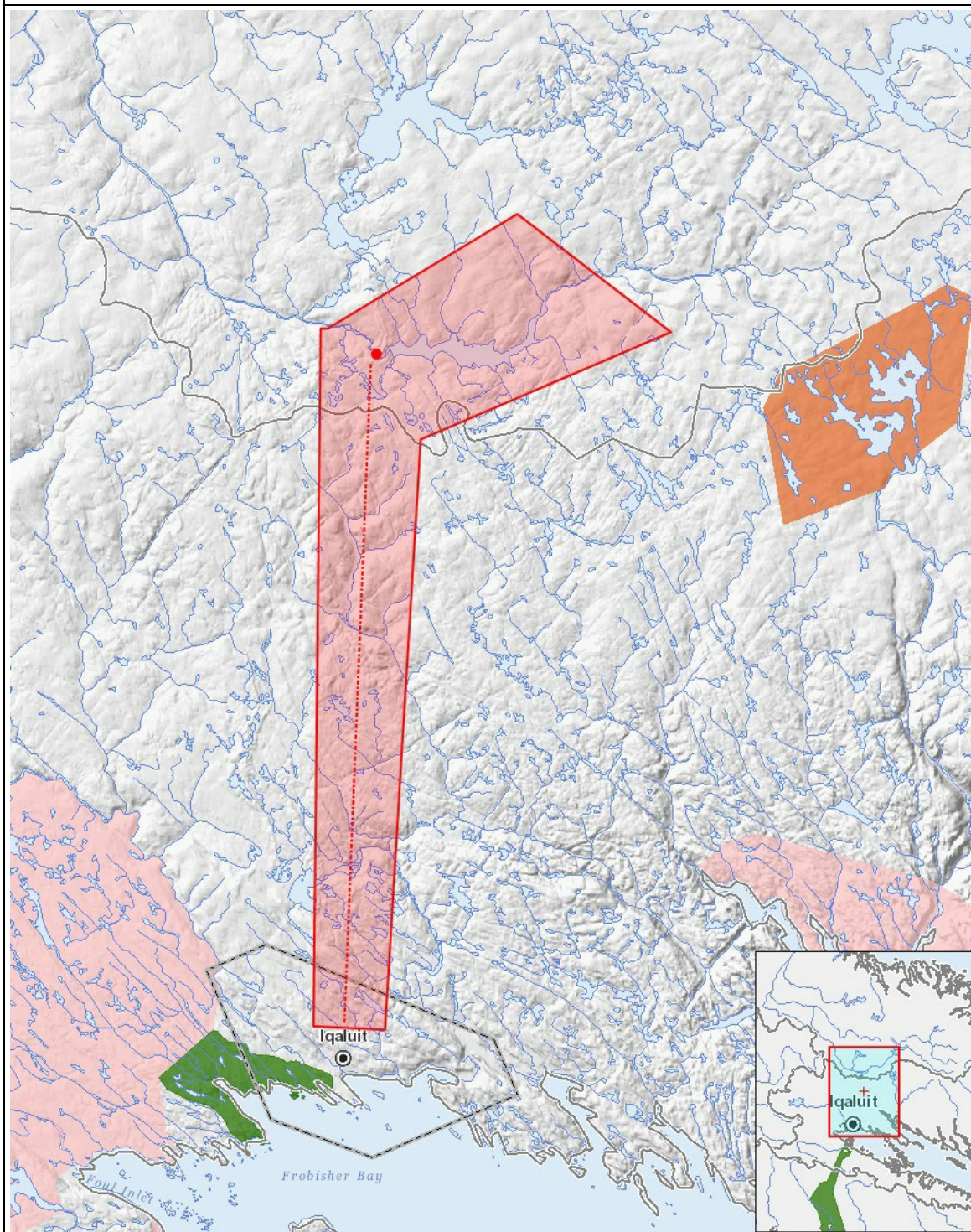
See attached Project Proposal Section 6.4

Impacts

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	PHYSICAL															BIOLOGICAL															SOCIO - ECONOMIC										
	Designated environmental areas															Vegetation															Archaeological and cultural historic sites										
	Ground stability															Wildlife, including habitat and migration patterns															Employment										
	Permafrost															Birds, including habitat and migration patterns															Community wellness										
	Hydrology / Limnology															Aquatic species, incl. habitat and migration/spawning															Community infrastructure										
	Water quality															Wildlife protected areas															Human health										
	Climate conditions															Human health																									
	Eskers and other unique or fragile landscapes																																								
	Surface and bedrock geology																																								
	Sediment and soil quality																																								
	Tidal processes and bathymetry																																								
	Air quality																																								
	Noise levels																																								
	Vegetation																																								
	Wildlife, including habitat and migration patterns																																								
	Birds, including habitat and migration patterns																																								
	Aquatic species, incl. habitat and migration/spawning																																								
	Wildlife protected areas																																								
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Camp		-	-	-	-	-	-	M	-	M	-	M	M		M	U	U	-	-		-	P	P	-	-																
Equipment installation		-	M	M	-	M	M	-	M	M	M	M	M		-	M	M	M	-		U	P	P	P	P																
Fuel and chemical storage		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	P	-	-	-																
Access Road		-	N	U	-	M	-	M	M	M	-	M	M		M	M	M	M	U		U	P	P	P	U																
Staging areas		-	M	-	-	-	-	M	M	M	-	-	M		M	M	M	-	M		U	P	P	P	U																
Waste disposal		-	-	-	-	-	-	-	-	-	-	-	-		M	-	-	-	-		-	P	P	-	-																
Municipal and Industrial Development		-	M	M	-	M	M	M	M	M	-	M	M		M	M	M	M	-		P	P	P	P	U																
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Camp		-	-	-	-	-	-	M	-	M	-	M	M		M	U	U	-	-		-	P	P	-	-																
Access Road		-	M	M	-	M	P	M	M	-	-	M	M		M	M	M	M	-		-	P	P	P	U																
Staging areas		-	M	-	-	-	-	M	M	M	-	-	M		M	M	M	-	M		U	P	P	P	U																
Municipal and Industrial Development		-	M	M	-	M	P	M	M	M	M	M	M		M	M	M	M	-		P	P	P	P	U																
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($P = \langle b \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}}}$, $N = \langle b \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}} \cap \langle \mathcal{C} \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}} \cap \langle \mathcal{C} \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}}}}$, $M = \langle b \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}} \cap \langle \mathcal{C} \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}}}}$, $U = \langle b \rangle_{\mathcal{A} \cdot \mathcal{P} \cap \mathcal{I}^{\mathcal{A}} \cdot \mathcal{C}^{\mathcal{B}}}$)



List of Project Geometries

1	polygon	Project Area (Access Road, Dam, Reservoir)
2	polyline	Access Road
3	point	Dam Location