

1 Q. **Reference: Midgard Consulting March 28, 2023 Report - Southern Labrador Communities –**  
 2 **Integrated Resource Plan**

3 Midgard’ Report, page 90 of 103, Conclusion 3 states that “Use of diesel gensets to provide  
 4 dependable capacity to remote isolated loads remains consistent with other like jurisdictions  
 5 across Canada.” Please provide a list, including descriptions of the projects, of the utilities in  
 6 Canada that are currently planning to install diesel generating plants in new locations or have  
 7 done so in the past five years.

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10 A. *This response has been provided by Midgard Consulting Inc.*

11 Table 1 lists either specific replacement stations or relevant regulatory policy or decisions  
 12 acknowledging the reality of diesel generation in non-integrated areas.

**Table 1: Diesel Generation Jurisdictional Scan**

Utility	Project/Policy	Reference
BC Hydro	“Fourteen communities in the Non-Integrated Areas are not connected to BC Hydro’s integrated system and are served by local generating facilities and distribution networks. Generating capacity in these areas is provided by a combination of BC Hydro owned diesel generating stations, as well as six independent power producers (“IPP”) facilities (five hydro and one biomass), and one BC Hydro owned hydro facility in the Bella Coola region. While IPPs may displace a portion of diesel generation, the diesel generation facilities must be in place for supply reliability.”	BC Hydro Fiscal 2022 Revenue Requirements Application – Sec 4.5.2.  <a href="https://docs.bcuc.com/Documents/Proceedings/2020/DOC_60299_B-2-BCH-F22-RRA-Application.pdf">https://docs.bcuc.com/Documents/Proceedings/2020/DOC_60299_B-2-BCH-F22-RRA-Application.pdf</a>
Yukon Energy Corporation	“For most of the year, we rely on hydro for our energy supply. In 2020, 86 per cent of the electricity we generated was with hydro. However we do use backup diesel generation during power outages, to supplement our hydro in very cold weather, and during droughts. As an isolated grid in one of the planet’s least-forgiving environments, a reliable backup system is crucial.”	<a href="https://yukonenergy.ca/energy-in-yukon/projects-facilities/diesel-facilities">https://yukonenergy.ca/energy-in-yukon/projects-facilities/diesel-facilities</a>

<b>Utility</b>	<b>Project/Policy</b>	<b>Reference</b>
N.W.T. Power Corporation	Lutsel K'e New Diesel Plant. Construction began in 2021.	<a href="https://www.cbc.ca/news/canada/north/lutselke-new-power-plant-1.5405614">https://www.cbc.ca/news/canada/north/lutselke-new-power-plant-1.5405614</a>
N.W.T. Power Corporation	Sachs Harbour New Diesel Plant. Commissioned in early 2022. Replacing a 43-year old facility.	<a href="https://www.cbc.ca/news/canada/north/sachs-harbour-power-plant-1.5042979">https://www.cbc.ca/news/canada/north/sachs-harbour-power-plant-1.5042979</a>
Qulliq Energy Corporation	The Grise Fiord Diesel plant was built in 2019 in Nunavut, to replace an aging thermal facility.	<a href="https://www.bba.ca/projects/grise-fiord-project-canadas-northernmost-diesel-power-plant">https://www.bba.ca/projects/grise-fiord-project-canadas-northernmost-diesel-power-plant</a>
Qulliq Energy Corporation	Pangnirtung Diesel plant (2017) Kinngait Diesel plant (2018) Cape Dorset (2019) Cambridge Bay (planned) Gjoa Haven (planned) Igloolik (planned) Kugluktuk hybrid facility (planned) Kugaaruk (planned) Chesterfield Inlet (planned)	<a href="https://nunatsiaq.com/stories/article/nunavut-utility-continues-push-to-replace-aging-diesel-generators/">https://nunatsiaq.com/stories/article/nunavut-utility-continues-push-to-replace-aging-diesel-generators/</a>  <a href="https://nunatsiaq.com/stories/article/new-cape-dorset-qec-plant-another-step-toward-cutting-out-diesel/">https://nunatsiaq.com/stories/article/new-cape-dorset-qec-plant-another-step-toward-cutting-out-diesel/</a>  <a href="https://nunatsiaq.com/stories/article/gn-approves-plans-for-new-power-plants-in-cambridge-bay-gjoa-haven-and-igloolik/">https://nunatsiaq.com/stories/article/gn-approves-plans-for-new-power-plants-in-cambridge-bay-gjoa-haven-and-igloolik/</a>  <a href="https://nunatsiaq.com/stories/article/new-power-plants-proposed-for-kugaaruk-and-chesterfield-inlet/">https://nunatsiaq.com/stories/article/new-power-plants-proposed-for-kugaaruk-and-chesterfield-inlet/</a>
Hydro One Remote Communities Inc.	"Remotes' rates are set under the Remote or Rural Rate Protection ("RRRP") Regulation, O. Reg. 442/01. Most of Remotes' customers pay rates that are subsidized by the RRRP and are set well below the cost to serve with electricity generated primarily by diesel fuel."	EB-2022-0041 – Hydro One Remote Communities Inc. – 2023 Revenue Requirement and Rates Application – Settlement Proposal