



Written Question

Asked by: Adam Arreak Lightstone

Asked of: Hon. Patterk Netser

Minister Responsible for the Nunavut Arctic College

Number: 53-5(2)

Date: November 7, 2019

Subject: NAC Solar Power System

Purpose:

I would like to thank the Minister Responsible for Nunavut Arctic College for providing me information in response to my written question during the recent spring sitting, however, it is unfortunate that the information provided was for the solar project that was installed in 1995 and **irrelevant**. It is also unfortunate that the Minister did not respond to my correspondence seeking the relevant information.

Therefore, I would like to request once again information on the **current** Iqaluit solar project so that this information will be public, in the hopes that others may benefit from lessons learned and be potentially be encouraged to invest in similar energy initiatives in Nunavut.

Panels

1. What solar panel make and model was selected for the Iqaluit project?
2. Why did NAC select these particular solar panels?
3. How does this specific solar panel compare in quality to other make and models?

4. How many panels were installed, and how was that number determined?

Inverter

5. What inverter make and model was selected?
6. Why was this specific inverter selected?

Position

7. How did NAC determine the position of the panels?

Installation

8. What certified electrical contractor was hired to install the system?
9. Why was this company chosen to perform the installation?
10. Were any local technicians trained on solar installation or operation as part of the project? If so, what did the training involve?

Inspection

11. Who performed the final inspection?
12. What were the results of the inspection?

Cost

13. What was the purchase price of the;
 - a. Solar panels;
 - b. Inverter;
 - c. Additional equipment to monitor performance; and
 - d. other
14. What was the transportation cost of the;
 - a. Solar panels;
 - b. Inverter;
 - c. Additional equipment to monitor performance; and
 - d. other
15. What was the installation cost of the
 - a. Solar panels;
 - b. Inverter;
 - c. Additional equipment to monitor performance; and
 - d. Other
16. What other costs were included in the total project cost?

Other

17. Have the solar panels performed as expected?
18. What is the total energy generated from this project so far?
19. How much energy the panels generate each month?
20. What lessons did NAC learn from the project?
21. If the project were to be repeated, what would be done differently?
22. Are the results from this project helping to inform NAC on how to shape their renewable energy policies as they move forward? Is the learning from this project helping NAC to develop other renewable energy projects?
23. What other relevant information would Nunavummiut gain from NAC's solar panel project?
24. What sort of maintenance has been required on this solar project?
25. Does NAC have end-of-life concerns for solar energy systems?
26. How long do they expect panels to last, and can they be recycled at the end of their lifetime?