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YEC Tlingit Homeland Energy EPA Information Requests, 24-Feb 2022

NY-YEC-1-1 The FAQ on the THELP web page for the Project notes that "The Atlin Hydro Expansion Project will only generate power for the Yukon once the power needs of Atlin have been met. The power needs of Atlin are the first priority when it comes to the water resources of Surprise Lake."

a) Is this consistent with YEC's understanding of the agreement? If not, please provide specifics.

NY-YEC-1-2 In the public presentation on 11-Feb, the slide listing capacities had in very large print "Eliminates 4 Rental Diesel Engines Each Winter."

a) When the Project comes online, does YEC actually expect to have four fewer rentals than are currently installed, or was this just implied to sell the Project?
b) How many rental diesels does YEC expect to have each season from 2022-2035? On pages 18 and 19, scenarios involving 16, 24 and 35 rental diesels are mentioned, along with the text "the requirement for diesel rentals is forecast to increase significantly..." Please provide this forecast (rental diesel requirement by year) for 2022-2035.

NY-YEC-1-3 Page A-3. Table A3-1. Is it realistic to forecast and expect industrial load to be zero? No more industry in Yukon? Please explain this scenario.

NY-YEC-1-4 Page A-3. Table A3-1 provides Forecast 12-month Annual Grid Load for 2024 and 2035.

a) The 2021 GRA had a forecast total grid load of 538.7GWh. Is it realistic to expect 2024 and 2035 to be lower? Please explain.
b) Please provide the forecast annual grid load for all years from 2021 to 2035.

NY-YEC-1-5 Page 18, note 22. Correction: Dependable capacity would actually be reduced by 5.0MW and not 5.2MW, as FD1 has been derated to 2.8MW. Please confirm.

NY-YEC-1-6 Page 20 Table 4-1. Similar to above, YEC dependable thermal capacity is overstated due to derating of FD1. 2021/22 and 2022/23 YEC dependable thermal capacity is actually 35,850. Other years may also be affected. Corresponding capacity shortfalls are are also incorrectly stated.

a) Please provide updated Table 4-1 reflecting correct existing dependable capacity.
b) Correction Page 18: N-1 Capacity shortfall is actually 26.6MW, as this number came from Table 4-1. Please confirm.

NY-YEC-1-7 Page 20, Table 4-1. Please provide the specifics of the "Diesel Replacements" giving current dependable capacity of each engine being retired, and capacity of each corresponding replacement.

NY-YEC-1-8 Given the many conditions of this agreement that have not yet been met, including funding, environmental and government approvals, TRTFN approval, etc., and that the EPA has no legal force until all conditions are met, there appear to be many ways that the Project could fail.

a) What costs have been incurred so far, and how much of this total will be passed on to ratepayers if the Project does not go forward?
b) Please provide a breakdown of all costs incurred by the Project to date, and forecast to be spent on the Project previous to meeting of conditions of the EPA and (assumed) approval of the EPA.