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To: [Berube, Joanne M](#)
Subject: [External] Carbon Plan
Date: Sunday, May 26, 2024 2:19:28 PM
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The Carbon Plan sets an implausible goal.

Intermittent renewable generation, as currently implemented, is redundant generating capacity, since it must be backed up by existing conventional generation when the intermittent generation is unavailable.

Investment in redundant generation capacity increases total investment in generating capacity and increases electricity cost.

A reliable grid, consistent with NCUC's mission, requires dispatchable generating capacity sufficient to meet contemporaneous demand.

Rendering intermittent renewable generation dispatchable requires installation of storage capacity equal to 12-13 weeks of average renewable generation according to two peer reviewed studies ([here](#) & [here](#)).

Battery storage capacity is currently approximately 70 times the cost of renewable generation.

There has been no demonstration anywhere of an economical and reliable renewable plus storage powered grid, though such a demonstration is long overdue.

The Administration's "All-Electric Everything" goal would roughly triple grid demand and consumption by 2050.

The attached commentaries expose the scope of the challenge on a national basis. The commentaries can also be found at <https://www.therightsight.org/>

I would be willing to discuss these issues with you further if you wish.

The State Legislature has placed the NCUC in a truly unenviable position.

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