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July 3, 2023

Melanie Bachman, Esq
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition No. 1565: East of Hurd State Park to East Haddam Junction 1772, 362, 376, and
364 Lines Rebuild Project

Dear Ms. Bachman:

The Connecticut Light and Power Company doing business as Eversource Energy submits the enclosed original and 15 copies of the response to the request for information listed below:

Response to CSC-03 Interrogatory dated June 9, 2023
Set 03 – Question 31

Sincerely,

A handwritten signature in cursive script that reads "Deborah Denfeld".

Deborah Denfeld
Team Lead – Transmission Siting

Encl

Date Filed: July 03, 2023

Request from: Connecticut Siting Council

Question: 31

Referring to the Responses to Council Interrogatories 5 and 8, what is the approximate life span, in years, for lattice transmission structures and the ACSR conductors within the Project area? Is it common for lattice transmission towers and conductors to go beyond the 40-year lifespan as indicated by Eversource in the Council's 2022 Life Cycle report?

Response:

Eversource estimates the approximate life span of lattice transmission structures in the Project area to be between 50 and 60 years and the conductors' life span to be between 60 and 70 years.

Yes, transmission towers and conductors frequently go beyond, sometimes well beyond, the 40-year life span referenced in the Council's 2022 Life Cycle Report. The 40-year life reflects an average period utilized for assessing depreciation for transmission system assets, and in some cases 40 years proves to be the life span of such assets depending on the environmental conditions that the particular asset is exposed to.

However, Eversource performs regular inspections and maintenance on its infrastructure with the goal to reasonably maximize the remaining useful life of its installed assets, provided that such assets continue to meet transmission system needs. While some transmission system assets are replaced around the 40-year mark, Eversource will keep the assets in operation provided that they are assessed to be reliable, in good condition, and sufficient for transmission system needs.