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July 11, 2012

Via Electronic Mail and U.S. Mail

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Docket No. F-2012/2013 – Review of the Ten-Year Forecast of
Connecticut Electric Loads and Resources**

Dear Ms. Roberts:

Enclosed please find the original and fifteen (15) copies of the Dominion Nuclear Connecticut, Inc. responses to the Council's Post-Hearing Questions in the above-referenced docket. Please feel free to contact me if you have any questions.

Sincerely,



Kenneth C. Baldwin



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Copy to:

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STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: : DOCKET NO. F-2012/2013
: :
REVIEW OF THE TEN-YEAR FORECAST :
OF CONNECTICUT ELECTRIC LOADS :
AND RESOURCES : JULY 11, 2012

POST-HEARING QUESTIONS

During the June 12, 2012 evidentiary hearing in the above-captioned proceeding, the Council asked Dominion Nuclear Connecticut, Inc. (“DNC”) to provide certain additional information regarding spent nuclear fuel reprocessing. Responses to the Council’s questions are provided below.

Question No. 1.

For countries that reprocess nuclear fuel, do they reprocess fuel on site (at the nuclear power plant) or at a separate facility?

Response:

Reprocessing spent nuclear fuel is a complex process. Countries that commercially reprocess spent nuclear fuel have dedicated facilities separate from nuclear power plants. Currently there are only four such facilities operating in France, the United Kingdom, Russia, and India.¹ A fifth facility in Japan is scheduled to begin commercial operation in October, 2012.²

¹ *Processing of Used Nuclear Fuel*, <http://www.world-nuclear.org/info/inf69.html> (last updated May 2012).

² *Id.*

Question No. 2.

Is the United States the only country that does not reprocess nuclear fuel? If no, what other countries with nuclear power do not reprocess nuclear fuel?

Response:

The United States is not the only country that does not reprocess spent nuclear fuel. Thirty-one countries have commercial nuclear reactors.³ Several of these countries have made a decision not to reprocess spent nuclear fuel including Canada, Finland, and Sweden.⁴ Many of the 31 countries have not yet made a decision regarding reprocessing.⁵ Countries are able to defer the reprocessing decision by using interim storage as spent nuclear fuel can be retrieved from interim storage and shipped to a reprocessing facility or transferred to a permanent repository.

³ *Nuclear Power in the World Today*, <http://www.world-nuclear.org/info/inf01.html> (last updated April 2012).

⁴ International Atomic Energy Agency, *Country Nuclear Fuel Cycle Profiles* 32, 39, 78 (2d ed. 2005).

⁵ *Id.* at 9-10.

CERTIFICATE OF SERVICE

I hereby certify that on the 11th day of July, 2012, a copy of the foregoing was sent via

U.S. Mail or electronic mail to:

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