



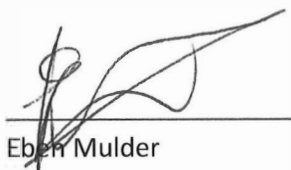
I, Eben Mulder, Snr. Vice President of X-Energy, LLC (X-energy) do hereby affirm and state:

1. I am authorized to execute this affidavit on behalf of X-energy. I am further authorized to review information submitted to or discussed with the Nuclear Regulatory Commission (NRC) and apply for the withholding of information from disclosure. The purpose of this affidavit is to provide the information required by 10 CFR 2.390(b) in support of X-energy's request for proprietary treatment of certain commercial information submitted in Enclosure 1 to X-energy's letter XE00-R-R1ZZ-RDZZ-L_000215 from myself to the NRC which provides the XSTERM Code Suite Verification and Validation Plan as a white paper for limited review.
2. I have knowledge of the criteria used by X-energy in designating information as sensitive, proprietary, or confidential.
3. Pursuant to the provision of paragraph (b)(4) of 10 CFR 2.390, the following is furnished for consideration by the NRC in determining whether the information sought to be withheld from public disclosure should be withheld.
 - a. The information sought to be withheld from public disclosure in Enclosure 1 is owned by X-energy. This information was prepared with the explicit understanding that the information itself would be treated as proprietary and confidential and has been held in confidence by X-energy.
 - b. The information sought to be protected in Enclosure 1 is not available to the public.
 - c. Enclosure 1 contains information about X-energy's proprietary source term code XSTEM. This code contains significant competition sensitive information that was developed as part of our inhouse source term code suite. This Enclosure also contains strategic information on how X-energy plans to perform V&V of our XSTERM code suite.
 - d. The Proprietary Information contained in Enclosure 1 is transmitted to the NRC in confidence and under the provisions of 10 CFR 2.390; it is to be received in confidence by the NRC. The information is properly marked.

I declare under the penalty of perjury that the foregoing is true and correct.



Executed on October 07, 2019.
[Month Day, Year]


Eben Mulder

Snr Vice President

X Energy, LLC

Subscribed and sworn to before me,

Notary Public, this 7 day of October 2019

My Commission expires: April 9, 2023

