



**HITACHI**

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U.S. Nuclear Regulatory Commission  
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**Subject: Response to Portion of NRC Request for Additional Information  
Letter No. 342 Related to ESBWR Design Certification Application –  
RAI 13.6-162**

The purpose of this letter is to submit the GE Hitachi Nuclear Energy (GEH) response to the U.S. Nuclear Regulatory Commission (NRC) Request for Additional Information (RAI) sent by the Reference 1 NRC letter.

GEH response to RAI Number 13.6-162 is addressed in Enclosure 1. Licensing Topical Report NEDE-33391 markups associated with these responses are provided in Enclosure 2.

Enclosures 1 and 2 contain Safeguards Information.

If you have any questions about the information provided here, please contact me.

Sincerely,

*Lee F. Dougherty for*

Richard E. Kingston  
Vice President, ESBWR Licensing

Decontrolled when detached from Enclosures 1 & 2

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HRO*

Reference:

1. MFN 09-332, Letter from the U.S. Nuclear Regulatory Commission to Jerald G. Head, Request for Additional Information Letter No. 342, Related To ESBWR Design Certification Application, dated May 14, 2009

Enclosures:

1. Response to Portion of NRC Request for Additional Information Letter No. 342 Related to ESBWR Design Certification Application – RAI 13.6-162
2. (NEDE 33391 Markups) Response to Portion of NRC Request for Additional Information Letter No. 342 Related to ESBWR Design Certification Application – RAI 13.6-162

cc: AE Cubbage      USNRC (with enclosures)  
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