



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

April 22, 2015

Vice President, Operations
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
Buchanan, NY 10511-0249

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3, LICENSE RENEWAL APPLICATION ENVIRONMENTAL REVIEW (TAC NOS. MD5411 AND MD5412)

Dear Sir or Madam:

By letter dated April 23, 2007, Entergy Nuclear Operations, Inc. (Entergy), submitted to the U.S. Nuclear Regulatory Commission (NRC) an application and associated environmental report pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 51 and 10 CFR Part 54, to renew the operating licenses for Indian Point Nuclear Generating Unit Nos. 2 and 3 (IP2 and IP3). The NRC staff documented its findings related to the environmental review of Entergy's license renewal application in Supplement 38 to NUREG-1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants (GEIS)" (SEIS), which was issued in December 2010. In June 2013, NRC issued Volume 4 of Supplement 38 to NUREG-1437 to correct impingement and entrainment data presented in the final SEIS, revise conclusions regarding thermal impacts, and update the status of the NRC's consultation with the National Marine Fisheries Service under section 7 of the Endangered Species Act. By letter dated September 8, 2014, the NRC notified Entergy of its intent to prepare a second supplement to the final SEIS to address new information identified since June 2013.

On April 2, 2015, the U.S. Fish and Wildlife Service published a final rule listing the northern long-eared bat (*Myotis septentrionalis*) as threatened throughout its range, which includes the IP2 and IP3 site. The NRC staff has identified in the attached enclosure areas where additional information is necessary for the NRC staff to complete its assessment of the potential effects of the IP2 and IP3 license renewal on the northern long-eared bat.

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Items in the enclosure were discussed with Ms. Dara Gray, and a mutually agreeable date for the response is within 45 days from the date of this letter. If you have any questions, please contact me at 301-415-6459, or by e-mail at michael.wentzel@nrc.gov.

Sincerely,

/RA/

Michael Wentzel, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosure:
As stated

cc w/encl: Listserv

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DISTRIBUTION: See next page

ADAMS Accession No.: ML15104A541

*concurring via email

OFFICE	LA:DLR	PM:RPB2:DLR	BC:RPB2:DLR	PM:RPB2:DLR
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DATE	04/15/15	4/20/15	4/20/15	4/22/15

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REQUESTS FOR ADDITIONAL INFORMATION
RELATED TO INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 AND 3
LICENSE RENEWAL APPLICATION ENVIRONMENTAL REVIEW

On April 2, 2015, the U.S. Fish and Wildlife Service (FWS) published a final rule (80 FR 17973) that lists the northern long-eared bat (*Myotis septentrionalis*) as threatened throughout its range. The northern long-eared bat's range includes Westchester County, New York, in which Indian Point Nuclear Generating Units 2 and 3 (IP2 and IP3) are located. Accordingly, the U.S. Nuclear Regulatory Commission (NRC) staff intends to address potential effects to this species as part of its IP2 and IP3 license renewal review. The NRC staff requests the following information to assist in its review:

1. Provide any information that Entergy Nuclear, LLC (Entergy) has regarding the northern long-eared bat's use of the IP2 and IP3 site. Such information may include potential habitat (particularly summer roosting habitat) or other uses of the IP2 and IP3 site by the species, observations of the species on the site, and studies or monitoring performed to document potential presence of the species on the site. The FWS's final rule describes northern long-eared bat habitat in detail.
2. Because the Indiana bat (*Myotis sodalis*), a Federally endangered species that was addressed in the NRC's final supplemental environmental impact statement for IP2 and IP3 license renewal, is similar in its habitat requirements to the northern long-eared bat, please provide updated information, if applicable, on the Indiana bat's potential use of the IP2 and IP3 site.
3. Provide updated information, if applicable, regarding the effects that activities associated with IP2 and IP3 license renewal and refurbishment could have on the northern long-eared bat and Indiana bat. Such activities may include habitat loss, degradation, disturbance, or fragmentation, as well as temporary or permanent increases in noise, vibration, dust, chemical use, lighting, vehicle use, and general levels of human activity during the license renewal term that may result from refurbishment or other site activities.
4. Describe the procedures or protocols that Entergy maintains, if any, to ensure that effects to Federally listed bats are appropriately considered prior to site activities, such as hazardous tree removal, landscape maintenance, or other operations activities that could directly or indirectly affect bats.
5. Has Entergy observed any injured or dead bats (of any species) on the site, especially near the base of tall buildings and structures? If so, please describe these occurrences and include the date of observation, species (if known), condition of individual(s), and any follow-up actions that Entergy took as a result of the incident(s).
6. The Federal Energy Regulatory Commission's final environmental impact statement (FEIS) on the Algonquin Incremental Market (AIM) Project (available at <https://www.ferc.gov/industries/gas/enviro/eis/2015/01-23-15-eis.asp>) indicates that acoustic surveys for the northern long-eared bat and Indiana bat detected both species at locations in Westchester County, New York (see FEIS, p. 4-113 and 4-116). As indicated in Entergy's March 10, 2015, response to a request for additional information (ADAMS Accession No. ML15089A338), the Algonquin gas pipeline associated with this project would cross a

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portion of the IP2 and IP3 property. Is Entergy aware of whether the affected portions of the IP2 and IP3 site were surveyed for bats as part of the AIM project? Provide any available information obtained from those surveys concerning the presence or use of the IP2 and IP3 site by the northern long-eared bat.