



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

June 20, 2012

Mr. John F. McCann
Vice President, Nuclear Safety
Emergency Planning and Licensing
Entergy Nuclear Operations, Inc.
440 Hamilton Avenue
White Plains, NY 10601

SUBJECT: NRC'S ANALYSIS OF ENTERGY NUCLEAR OPERATIONS, INC.
DECOMMISSIONING FUNDING STATUS REPORT FOR INDIAN POINT
NUCLEAR GENERATING STATION, UNITS 1, 2 & 3; AND PILGRIM NUCLEAR
POWER STATION (TAC NOS. ME8371, ME8372, AND ME8373)

Dear Mr. McCann:

On March 30, 2012, the U.S. Nuclear Regulatory Commission (NRC) received your decommissioning funding status (DFS) report (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12093A382) for Indian Point Nuclear Generating Station, Units 1, 2, & 3, and Pilgrim Nuclear Power Station.

Pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 50.75(f)(1), all power reactor licensees are required to submit a DFS report at least once every 2 years in order for the NRC to obtain the information necessary to monitor the status of decommissioning funds. Any licensee for a plant involved in a merger or acquisition shall submit this report annually. Any licensee for a plant that is within 5 years of the end of its current operating license shall submit this report annually. Any licensee for a plant that has already closed before its licensed life shall submit this report annually. As of December 31, 2011, Indian Point Nuclear Generating Station, Units 2 & 3, and Pilgrim Nuclear Power Station are within 5 years of the end of its current operating license. Indian Point Nuclear Generating Station, Unit 1 was granted a 40-year Operating License in 1962, but was permanently shut down in 1974, and is now in safe storage (SAFSTOR).

In general, the 2012 DFS report submitted to the NRC provided all of the required reporting requirements under 10 CFR 50.75(f)(1) in a manner that required no additional requests for information. To note, because a site-specific decommissioning cost estimate was submitted based on the SAFSTOR scenario for Indian Point Nuclear Generating Station, Unit 2, this unit is considered to be certifying to that amount of decommissioning and is, therefore, held to that certification amount in the DFS report.

Based on the reported decommissioning trust fund balance, and considering SAFSTOR for Indian Point Nuclear Generating Station, Units 1 & 2, together with earnings credits specified under NRC regulations, the NRC determined that the amount of decommissioning financial assurance you provided was equal to or greater than the minimum required amount based on the submitted site-specific cost estimates.

J. McCann

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This letter confirms correspondence, described above, regarding the DFS reports for operating power reactors and non operating power reactors as required under 10 CFR 50.75(f)(1). As of the date of this letter, considering the available information, the NRC determined that Entergy satisfied the requirements of 10 CFR 50.75 for Indian Point Nuclear Generating Station, Units 1, 2, and 3, and Pilgrim Nuclear Power Station as of December 31, 2011. The DFS report analyses are enclosed.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Guzman", with a long horizontal line extending to the right.

Richard Guzman
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-3, 50-247, 50-286, 50-293

Enclosure:
As stated.

cc: Distribution via Listserv

**Decommissioning Funding Assurance Analysis
As of December 31, 2011
For**

Plant Name: **Indian Point Unit 1** **Docket Number:** **50-003**

1 Estimated Cost of Remaining Decommissioning Activities as Stated in Most Recent SSCE update: \$476,840,000

2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

| Licensee: | % Owned: | Amount in Trust Fund: |
|----------------------------|----------|-----------------------|
| Entergy Nuclear Operations | 100.00% | \$300,761,000 |

Total Trust Fund Balance \$300,761,000

3 Schedule of the annual amounts remaining to be collected: (Provided/None) None

4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

| Rate of Return on Earnings | Escalation Rate | Rate(s) of Other Factors | Real Rate of Return |
|----------------------------|-----------------|--------------------------|---------------------|
| 2.00% | 0.00% | N/A | 2.00% |

5 Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v): None

6 Any modifications to licensee's method of providing financial assurance since last report: None

7 Any material changes to trust agreements: None

DECOMMISSIONING STATUS

Current Status of Reactor (DECOM, SAFSTOR, ENTOMB): SAFSTOR

Projected/Actual Start-Date of Decommissioning Activities (Year): 2066

Projected End-Date of Decommissioning Activities (Year): 2073

Signature: _____

Date: _____

Indian Point Unit 1
Decommissioning/SAFSTOR Cost Analysis
*(Beginning Balance - Cost) * (1 + ERR) = End Balance*

Reporting Year: 2012
Current Amount Reported in DTF: \$300,761,000
Rate of Return During SAFSTOR/Decom: 2.00%
Projected End-Date of Decom Activities: 2073
Escalation Rate (if applicable): 0.00%
Real Rate of Return: 2.00%

| Year / Payment # | Year | Beginning Balance: | Payment Amount: | Rate of Return on Earnings: | Projected Earnings: | End Balance: |
|---------------------|------|--------------------|-----------------|-----------------------------|---------------------|---------------|
| 1 | 2012 | \$300,761,000 | \$0 | 2.00% | \$6,015,220.00 | \$306,776,220 |
| 2 | 2013 | \$306,776,220 | \$1,150,000 | 2.00% | \$6,112,524.40 | \$311,738,744 |
| 3 | 2014 | \$311,738,744 | \$4,600,000 | 2.00% | \$6,142,774.89 | \$313,281,519 |
| 4 | 2015 | \$313,281,519 | \$4,600,000 | 2.00% | \$6,173,630.39 | \$314,855,150 |
| 5 | 2016 | \$314,855,150 | \$2,888,000 | 2.00% | \$6,239,342.99 | \$318,206,493 |
| 6 | 2017 | \$318,206,493 | \$2,880,000 | 2.00% | \$6,306,529.85 | \$321,633,023 |
| 7 | 2018 | \$321,633,023 | \$2,880,000 | 2.00% | \$6,375,060.45 | \$325,128,083 |
| 8 | 2019 | \$325,128,083 | \$2,880,000 | 2.00% | \$6,444,961.66 | \$328,693,045 |
| 9 | 2020 | \$328,693,045 | \$2,888,000 | 2.00% | \$6,516,100.89 | \$332,321,146 |
| 10 | 2021 | \$332,321,146 | \$2,880,000 | 2.00% | \$6,588,822.91 | \$336,029,968 |
| 11 | 2022 | \$336,029,968 | \$2,880,000 | 2.00% | \$6,662,999.37 | \$339,812,968 |
| 12 | 2023 | \$339,812,968 | \$2,880,000 | 2.00% | \$6,738,659.36 | \$343,671,627 |
| 13 | 2024 | \$343,671,627 | \$2,888,000 | 2.00% | \$6,815,672.54 | \$347,599,300 |
| 14 | 2025 | \$347,599,300 | \$2,880,000 | 2.00% | \$6,894,385.99 | \$351,613,686 |
| 15 | 2026 | \$351,613,686 | \$2,880,000 | 2.00% | \$6,974,673.71 | \$355,708,359 |
| 16 | 2027 | \$355,708,359 | \$2,880,000 | 2.00% | \$7,056,567.19 | \$359,884,927 |
| 17 | 2028 | \$359,884,927 | \$2,888,000 | 2.00% | \$7,139,938.53 | \$364,136,865 |
| 18 | 2029 | \$364,136,865 | \$2,880,000 | 2.00% | \$7,225,137.30 | \$368,482,002 |
| 19 | 2030 | \$368,482,002 | \$2,880,000 | 2.00% | \$7,312,040.05 | \$372,914,042 |
| 20 | 2031 | \$372,914,042 | \$2,880,000 | 2.00% | \$7,400,680.85 | \$377,434,723 |
| 21 | 2032 | \$377,434,723 | \$2,888,000 | 2.00% | \$7,490,934.47 | \$382,037,658 |
| 22 | 2033 | \$382,037,658 | \$2,880,000 | 2.00% | \$7,583,153.16 | \$386,740,811 |
| 23 | 2034 | \$386,740,811 | \$2,880,000 | 2.00% | \$7,677,216.22 | \$391,538,027 |
| 24 | 2035 | \$391,538,027 | \$2,880,000 | 2.00% | \$7,773,160.54 | \$396,431,188 |
| 25 | 2036 | \$396,431,188 | \$2,888,000 | 2.00% | \$7,870,863.75 | \$401,414,051 |
| 26 | 2037 | \$401,414,051 | \$2,880,000 | 2.00% | \$7,970,681.03 | \$406,504,732 |
| 27 | 2038 | \$406,504,732 | \$2,880,000 | 2.00% | \$8,072,494.65 | \$411,697,227 |
| 28 | 2039 | \$411,697,227 | \$2,880,000 | 2.00% | \$8,176,344.54 | \$416,993,572 |
| 29 | 2040 | \$416,993,572 | \$2,888,000 | 2.00% | \$8,282,111.43 | \$422,387,683 |
| 30 | 2041 | \$422,387,683 | \$2,880,000 | 2.00% | \$8,390,153.66 | \$427,897,837 |
| 31 | 2042 | \$427,897,837 | \$2,880,000 | 2.00% | \$8,500,356.74 | \$433,518,194 |
| 32 | 2043 | \$433,518,194 | \$2,880,000 | 2.00% | \$8,612,763.87 | \$439,250,957 |
| 33 | 2044 | \$439,250,957 | \$2,888,000 | 2.00% | \$8,727,259.15 | \$445,090,217 |
| 34 | 2045 | \$445,090,217 | \$2,839,000 | 2.00% | \$8,845,024.33 | \$451,096,241 |
| 35 | 2046 | \$451,096,241 | \$1,994,000 | 2.00% | \$8,982,044.82 | \$458,084,286 |
| 36 | 2047 | \$458,084,286 | \$1,994,000 | 2.00% | \$9,121,805.71 | \$465,212,091 |
| 37 | 2048 | \$465,212,091 | \$2,000,000 | 2.00% | \$9,264,241.83 | \$472,476,333 |
| 38 | 2049 | \$472,476,333 | \$1,994,000 | 2.00% | \$9,409,646.66 | \$479,891,980 |
| 39 | 2050 | \$479,891,980 | \$1,994,000 | 2.00% | \$9,557,959.60 | \$487,455,939 |
| 40 | 2051 | \$487,455,939 | \$1,994,000 | 2.00% | \$9,709,238.79 | \$495,171,178 |
| 41 | 2052 | \$495,171,178 | \$2,000,000 | 2.00% | \$9,863,423.57 | \$503,034,602 |
| 42 | 2053 | \$503,034,602 | \$1,994,000 | 2.00% | \$10,020,812.04 | \$511,061,414 |
| 43 | 2054 | \$511,061,414 | \$1,994,000 | 2.00% | \$10,181,348.28 | \$519,248,762 |
| 45 | 2055 | \$519,248,762 | \$1,994,000 | 2.00% | \$10,345,095.24 | \$527,599,857 |

| | | | | | | |
|----|------|---------------|---------------|-------|-----------------|---------------|
| 46 | 2056 | \$527,599,857 | \$2,000,000 | 2.00% | \$10,511,997.15 | \$536,111,855 |
| 47 | 2057 | \$536,111,855 | \$1,994,000 | 2.00% | \$10,682,357.09 | \$544,800,212 |
| 48 | 2058 | \$544,800,212 | \$1,994,000 | 2.00% | \$10,856,124.23 | \$553,662,336 |
| 49 | 2059 | \$553,662,336 | \$1,994,000 | 2.00% | \$11,033,366.72 | \$562,701,703 |
| 50 | 2060 | \$562,701,703 | \$2,000,000 | 2.00% | \$11,214,034.05 | \$571,915,737 |
| 51 | 2061 | \$571,915,737 | \$1,994,000 | 2.00% | \$11,398,434.73 | \$581,320,171 |
| 52 | 2062 | \$581,320,171 | \$1,994,000 | 2.00% | \$11,586,523.43 | \$590,912,695 |
| 53 | 2063 | \$590,912,695 | \$1,994,000 | 2.00% | \$11,778,373.90 | \$600,697,069 |
| 54 | 2064 | \$600,697,069 | \$2,000,000 | 2.00% | \$11,973,941.37 | \$610,671,010 |
| 55 | 2065 | \$610,671,010 | \$1,994,000 | 2.00% | \$12,173,540.20 | \$620,850,550 |
| 56 | 2066 | \$620,850,550 | \$20,457,000 | 2.00% | \$12,007,871.01 | \$612,401,421 |
| 57 | 2067 | \$612,401,421 | \$73,335,000 | 2.00% | \$10,781,328.43 | \$549,847,750 |
| 58 | 2068 | \$549,847,750 | \$159,587,000 | 2.00% | \$7,805,214.99 | \$398,065,965 |
| 59 | 2069 | \$398,065,965 | \$18,613,000 | 2.00% | \$7,589,059.29 | \$387,042,024 |
| 60 | 2070 | \$387,042,024 | \$18,613,000 | 2.00% | \$7,368,580.48 | \$375,797,604 |
| 61 | 2071 | \$375,797,604 | \$18,613,000 | 2.00% | \$7,143,692.09 | \$364,328,297 |
| 62 | 2072 | \$364,328,297 | \$18,632,000 | 2.00% | \$6,913,925.93 | \$352,610,223 |
| 63 | 2073 | \$352,610,223 | \$12,299,000 | 2.00% | \$6,806,224.45 | \$347,117,447 |

Projected End-Balance of DTF: \$347,117,447

Financial Assurance Met (Y/N): Y

Signature: Shawn W. Harwell

Date: 5/2/2012

Signature: Michael A. Dusaniwskyj

Date: 5/7/2012

Plant name: Indian Point, Unit 2

Docket Number: 50-247

- 1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$482,114,017
 Did the licensee identify the amount of estimated radiological funds? (Y/N) Y

- 2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

| Licensee: | % Owned: | Category: | Amount in Trust Fund: |
|---------------------------------|----------|-----------|---|
| Energy Nuclear Operations, Inc. | 100.00% | i | \$392,370,000 |
| | | | (includes \$31,050,000 Provisional Trust) |
| | | | Total Trust Fund Balance <u>\$392,370,000</u> |

- 3 Schedule of the annual amounts remaining to be collected: (provided/none) None

- 4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

| Rate of Return on Earnings | Escalation Rate | Rate(s) of Other Factors | Real Rate of Return | PUC Verified (Y/N) | Allowed through Decom (Y/N) | RAI Needed (Y/N) | Post-RAI | | |
|----------------------------|-----------------|--------------------------|---------------------|--------------------|-----------------------------|------------------|--------------------|-----------------------------|------------------------|
| | | | | | | | PUC Verified (Y/N) | Allowed through Decom (Y/N) | Rates Determined (Y/N) |
| | | | 2.00% | N | Y | N | | | |

- 5 Any contracts upon which the licensee is relying? (Y/N) N
 6 Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N) N
 7 Any material changes to trust agreements? (Y/N) N

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

Datasheet 2

Plant name: Indian Point, Unit 2 **Docket Number:** 50-247
Date of Operation: Month: 12 Day: 31 Year: 2011
Termination of Operations: 9 28 2013

| BWR/PWR | MWth | 1986\$ | ECI | Base Lx | Lx | Px | Latest Month Px | Base Px | Fx | Latest Month Fx | Base Fx | Ex | Bx | | | |
|---------|------|---------------|-------|---------|------|------|-----------------|---------|-------|-----------------|---------|------|------|-------|------|-------|
| PWR | 3216 | \$103,300,800 | 116.1 | 2.16 | 0.65 | 2.51 | 1.786 | 204.0 | 114.2 | 3.677 | 301.5 | 82.0 | 0.13 | 2.580 | 0.22 | 12.28 |

NRC Minimum: \$482,259,785 **Site Specific:** \$715,800,000

| Licensee: | % Owned: | Category | Amount of NRC Minimum/Site Specific: | Amount in Trust Fund: |
|----------------------------------|----------|----------|--------------------------------------|-----------------------|
| Entergy Nuclear Operations, Inc. | 100.00% | 1 | \$715,800,000 | \$392,370,000 |
| | | | Total Fund Balance: | \$392,370,000 |

Step 1:
Earnings Credit:

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$392,370,000 | 2% | 1.74 | \$406,139,667 | NO |

Step 2:
Accumulation:

| Value of Annuity per year (amount/See Annuity Sheet) | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|--|------------------------------|-------------------------------|----------------|
| | 2% | | \$0 |
| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 2: |
| \$0 | 2% | 1.74 | \$0 |

| Total Step 1 + Step 2 | Does Licensee Pass: |
|-----------------------|---------------------|
| \$406,139,667 | NO |

Step 3:
Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|-----------------|------------------------------|---------------|---------------------------|
| \$406,139,667 | 2% | 7 | \$30,193,574 |

| Total of Steps 1 thru 3: | Does Licensee Pass: | Shortfall: |
|--------------------------|---------------------|-----------------|
| \$436,333,241 | NO | (\$279,466,759) |

Signature: Michael Dusaniewskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

Spreadsheet created by: Aaron Szabo, Shawn Harwell
 Formulas verified by: Clayton Pittiglio

Plant name: Indian Point, Unit 2 **Docket Number:** 50-247
Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2011
Termination of Operations: 9 28 2013

If licensee is granted greater than 2% RRR

Step 4:

Earnings Credit:

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$392,370,000 | 2.00% | 1.74 | \$406,139,667 | NO |

Step 5:

Accumulation:

| Value of Annuity per year | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|---------------------------|------------------------------|----------------------------|----------------|
| \$0 | 2.00% | 0 | \$0 |

| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 5 |
|---------------|------------------------------|-------------------------------|--------------|
| \$0 | 2.00% | 1.74 | \$0 |

| Total Step 4 + Step 5 | Does Licensee Pass: |
|-----------------------|---------------------|
| \$406,139,667 | NO |

Step 6:

Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|-----------------|------------------------------|---------------|---------------------------|
| \$406,139,667 | 2.00% | 7 | \$30,193,574 |

| Total of Steps 4 thru 6: | Does Licensee Pass: | Shortfall: |
|--------------------------|---------------------|-----------------|
| \$436,333,241 | NO | (\$279,466,759) |

Signature: Michael Dusaniwskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

SAFSTOR ANALYSIS

Name of Unit: **Indian Point, Unit 2**
 Name of Licensee: **Entergy Nuclear Operations, Inc.**
 Date of Termination of Operations: **9 28 2013**
 End of Operations Balance: **\$406,139,667**
 Operating Life Real Rate of Return: **2.00%**
 Decommissioning Real Rate of Return: **2.00%**

| Year | Beginning Trust Fund Balance | Contributions | Expense Per Year | | Real Rate of Return | End of Year Trust Fund Balance |
|------|------------------------------|---------------|------------------|------------|---------------------|--------------------------------|
| | | | Plant | Spent Fuel | | |
| 2013 | \$404,055,188 | | \$12,199,000 | N/A | 2.00% | \$399,815,302 |
| 2014 | \$399,815,302 | | \$53,677,000 | N/A | 2.00% | \$353,597,838 |
| 2015 | \$353,597,838 | | \$27,439,000 | N/A | 2.00% | \$332,956,404 |
| 2016 | \$332,956,404 | | \$4,048,000 | N/A | 2.00% | \$335,527,053 |
| 2017 | \$335,527,053 | | \$4,037,000 | N/A | 2.00% | \$338,160,224 |
| 2018 | \$338,160,224 | | \$4,037,000 | N/A | 2.00% | \$340,846,058 |
| 2019 | \$340,846,058 | | \$4,037,000 | N/A | 2.00% | \$343,585,609 |
| 2020 | \$343,585,609 | | \$4,048,000 | N/A | 2.00% | \$346,368,841 |
| 2021 | \$346,368,841 | | \$4,037,000 | N/A | 2.00% | \$349,218,848 |
| 2022 | \$349,218,848 | | \$4,037,000 | N/A | 2.00% | \$352,125,855 |
| 2023 | \$352,125,855 | | \$4,037,000 | N/A | 2.00% | \$355,091,002 |
| 2024 | \$355,091,002 | | \$4,022,000 | N/A | 2.00% | \$358,130,602 |
| 2025 | \$358,130,602 | | \$4,011,000 | N/A | 2.00% | \$361,242,104 |
| 2026 | \$361,242,104 | | \$4,011,000 | N/A | 2.00% | \$364,415,837 |
| 2027 | \$364,415,837 | | \$4,011,000 | N/A | 2.00% | \$367,653,043 |
| 2028 | \$367,653,043 | | \$4,022,000 | N/A | 2.00% | \$370,943,884 |
| 2029 | \$370,943,884 | | \$4,011,000 | N/A | 2.00% | \$374,311,652 |
| 2030 | \$374,311,652 | | \$4,011,000 | N/A | 2.00% | \$377,746,775 |
| 2031 | \$377,746,775 | | \$4,011,000 | N/A | 2.00% | \$381,250,600 |
| 2032 | \$381,250,600 | | \$4,022,000 | N/A | 2.00% | \$384,813,392 |
| 2033 | \$384,813,392 | | \$4,011,000 | N/A | 2.00% | \$388,458,550 |
| 2034 | \$388,458,550 | | \$4,011,000 | N/A | 2.00% | \$392,176,611 |
| 2035 | \$392,176,611 | | \$4,011,000 | N/A | 2.00% | \$395,969,033 |
| 2036 | \$395,969,033 | | \$4,022,000 | N/A | 2.00% | \$399,826,194 |
| 2037 | \$399,826,194 | | \$4,011,000 | N/A | 2.00% | \$403,771,608 |
| 2038 | \$403,771,608 | | \$4,011,000 | N/A | 2.00% | \$407,795,930 |
| 2039 | \$407,795,930 | | \$4,011,000 | N/A | 2.00% | \$411,900,739 |
| 2040 | \$411,900,739 | | \$4,022,000 | N/A | 2.00% | \$416,076,533 |
| 2041 | \$416,076,533 | | \$4,011,000 | N/A | 2.00% | \$420,346,954 |
| 2042 | \$420,346,954 | | \$4,011,000 | N/A | 2.00% | \$424,702,783 |
| 2043 | \$424,702,783 | | \$4,011,000 | N/A | 2.00% | \$429,145,729 |
| 2044 | \$429,145,729 | | \$4,022,000 | N/A | 2.00% | \$433,666,423 |
| 2045 | \$433,666,423 | | \$4,011,000 | N/A | 2.00% | \$438,288,642 |
| 2046 | \$438,288,642 | | \$4,011,000 | N/A | 2.00% | \$443,003,305 |
| 2047 | \$443,003,305 | | \$4,010,000 | N/A | 2.00% | \$447,813,271 |
| 2048 | \$447,813,271 | | \$4,014,000 | N/A | 2.00% | \$452,715,396 |
| 2049 | \$452,715,396 | | \$4,003,000 | N/A | 2.00% | \$457,726,674 |
| 2050 | \$457,726,674 | | \$4,003,000 | N/A | 2.00% | \$462,838,178 |
| 2051 | \$462,838,178 | | \$4,003,000 | N/A | 2.00% | \$468,051,911 |
| 2052 | \$468,051,911 | | \$4,014,000 | N/A | 2.00% | \$473,358,810 |
| 2053 | \$473,358,810 | | \$4,003,000 | N/A | 2.00% | \$478,782,956 |
| 2054 | \$478,782,956 | | \$4,003,000 | N/A | 2.00% | \$484,315,585 |
| 2055 | \$484,315,585 | | \$4,003,000 | N/A | 2.00% | \$489,958,867 |
| 2056 | \$489,958,867 | | \$4,014,000 | N/A | 2.00% | \$495,703,904 |
| 2057 | \$495,703,904 | | \$4,003,000 | N/A | 2.00% | \$501,574,952 |
| 2058 | \$501,574,952 | | \$4,003,000 | N/A | 2.00% | \$507,563,421 |
| 2059 | \$507,563,421 | | \$4,003,000 | N/A | 2.00% | \$513,671,659 |
| 2060 | \$513,671,659 | | \$4,014,000 | N/A | 2.00% | \$519,890,953 |
| 2061 | \$519,890,953 | | \$4,003,000 | N/A | 2.00% | \$526,245,742 |
| 2062 | \$526,245,742 | | \$4,003,000 | N/A | 2.00% | \$532,727,626 |
| 2063 | \$532,727,626 | | \$4,003,000 | N/A | 2.00% | \$539,339,149 |
| 2064 | \$539,339,149 | | \$27,041,000 | N/A | 2.00% | \$522,814,522 |
| 2065 | \$522,814,522 | | \$60,490,000 | N/A | 2.00% | \$472,175,912 |
| 2066 | \$472,175,912 | | \$181,862,000 | N/A | 2.00% | \$297,938,811 |
| 2067 | \$297,938,811 | | \$77,860,000 | N/A | 2.00% | \$225,258,987 |
| 2068 | \$225,258,987 | | \$27,237,000 | N/A | 2.00% | \$202,254,797 |
| 2069 | \$202,254,797 | | \$6,526,000 | N/A | 2.00% | \$199,708,633 |
| 2070 | \$199,708,633 | | \$6,526,000 | N/A | 2.00% | \$197,111,545 |
| 2071 | \$197,111,545 | | \$6,526,000 | N/A | 2.00% | \$194,462,516 |
| 2072 | \$194,462,516 | | \$7,067,000 | N/A | 2.00% | \$191,214,096 |
| 2073 | \$191,214,096 | | \$28,624,000 | N/A | 2.00% | \$165,220,202 |

Signature: Michael Dusaniwskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

Plant name: Indian Point, Unit 3

Docket Number: 50-286

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): 5482,114,017
 Did the licensee identify the amount of estimated radiological funds? (Y/N) Y

2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

| Licensee: | % Owned: | Category: | Amount in Trust Fund: |
|----------------------------------|----------|-----------|-----------------------|
| Entergy Nuclear Operations, Inc. | 100.00% | 1 | \$521,160,000 |

Total Trust Fund Balance \$521,160,000

3 Schedule of the annual amounts remaining to be collected: (provided/none) None

4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

| Rate of Return on Earnings | Escalation Rate | Rate(s) of Other Factors | Real Rate of Return | PUC Verified (Y/N) | Allowed through Decom (Y/N) | RAI Needed (Y/N) | Post-RAI | | |
|----------------------------|-----------------|--------------------------|---------------------|--------------------|-----------------------------|------------------|--------------------|-----------------------------|------------------------|
| | | | | | | | PUC Verified (Y/N) | Allowed through Decom (Y/N) | Rates Determined (Y/N) |
| | | | 2.00% | N | Y | N | | | |

5 Any contracts upon which the licensee is relying? (Y/N) N

6 Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N) N

7 Any material changes to trust agreements? (Y/N) N

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

Plant name: Indian Point, Unit 3 **Docket Number:** 50-286
Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2011
Termination of Operations: 12 12 2015

| BWR/PWR | MWth | 1986\$ | ECI | Base Lx | | Lx | Px | Latest Month Px | Base Px | Fx | Latest Month Fx | Base Fx | | Ex | | Bx |
|---------|------|---------------|-------|---------|------|------|-------|-----------------|---------|-------|-----------------|---------|------|-------|------|-------|
| PWR | 3216 | \$103,300,800 | 116.1 | 2.16 | 0.65 | 2.51 | 1.786 | 204.0 | 114.2 | 3.677 | 301.5 | 82.0 | 0.13 | 2.580 | 0.22 | 12.28 |

NRC Minimum: \$482,259,785 **Site Specific:**

| Licensee: | % Owned: | Category | Amount of NRC Minimum/Site Specific: | Amount in Trust Fund: |
|----------------------------------|----------|----------|--------------------------------------|-----------------------|
| Entergy Nuclear Operations, Inc. | 100.00% | 1 | \$482,259,785 | \$521,160,000 |
| | | | Total Fund Balance: | \$521,160,000 |

**Step 1:
Earnings Credit:**

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$521,160,000 | 2% | 3.95 | \$563,539,137 | YES |

Step 2:

Accumulation:

Value of Annuity per year

| (amount/See Annuity Sheet) | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|----------------------------|------------------------------|----------------------------|----------------|
| | 2% | | \$0 |

| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 2: |
|---------------|------------------------------|-------------------------------|---------------|
| \$0 | 2% | 3.95 | \$0 |

| Total Step 1 + Step 2 | Does Licensee Pass: |
|-----------------------|---------------------|
| \$563,539,137 | YES |

Step 3:

Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|-----------------|------------------------------|---------------|---------------------------|
| \$563,539,137 | 2% | 7 | \$41,895,096 |

| Total of Steps 1 thru 3: | Does Licensee Pass: | Shortfall: |
|--------------------------|---------------------|------------|
| \$605,434,233 | YES | NO |

Signature: Michael Dusanivskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

Plant name: Indian Point, Unit 3 **Docket Number:** 50-286
Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2011
Termination of Operations: 12 12 2015

If licensee is granted greater than 2% RRR

Step 4:

Earnings Credit:

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$521,160,000 | 2.00% | 3.95 | \$563,539,137 | YES |

Step 5:

Accumulation:

| Value of Annuity per year | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|---------------------------|------------------------------|----------------------------|----------------|
| \$0 | 2.00% | 0 | \$0 |

| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 5 |
|---------------|------------------------------|-------------------------------|--------------|
| \$0 | 2.00% | 3.95 | \$0 |

| Total Step 4 + Step 5 | Does Licensee Pass: |
|-----------------------|---------------------|
| \$563,539,137 | YES |

Step 6:

Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|-----------------|------------------------------|---------------|---------------------------|
| \$563,539,137 | 2.00% | 7 | \$41,895,096 |

| Total of Steps 4 thru 6: | Does Licensee Pass: | Shortfall: |
|--------------------------|---------------------|------------|
| \$605,434,233 | YES | NO |

Signature: Michael Dusaniwskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

Plant name: Pilgrim Station **Docket Number:** 50-293

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$569,110,000

Did the licensee identify the amount of estimated radiological funds? (Y/N) Y

2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

| Licensee: | % Owned: | Category: | Amount in Trust Fund: |
|--------------------------------|----------|-----------|-----------------------|
| Entergy Nuclear Generation Co. | 100.00% | 2 | \$676,660,000 |

Total Trust Fund Balance \$676,660,000

3 Schedule of the annual amounts remaining to be collected: (provided/none) None

4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

| Rate of Return on Earnings | Escalation Rate | Rate(s) of Other Factors | Real Rate of Return | PUC Verified (Y/N) | Allowed through Decom (Y/N) | RAJ Needed (Y/N) | Post-RAJ | | |
|----------------------------|-----------------|--------------------------|---------------------|--------------------|-----------------------------|------------------|--------------------|-----------------------------|------------------------|
| | | | | | | | PUC Verified (Y/N) | Allowed through Decom (Y/N) | Rates Determined (Y/N) |
| | | | 2.00% | N | Y | N | | | |

5 Any contracts upon which the licensee is relying? (Y/N) N

6 Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N) N

7 Any material changes to trust agreements? (Y/N) N

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

Plant name: Pilgrim Station **Docket Number:** 50-293
Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2011
Termination of Operations: 6 8 2012

| BWR/PWR | MWth | 1986\$ | ECI | Base Lx | | Lx | Px | Latest Month Px | Base Px | Fx | Latest Month Fx | Base Fx | | Ex | | Bx |
|---------|------|---------------|-------|---------|------|------|-------|-----------------|---------|-------|-----------------|---------|------|-------|------|-------|
| BWR | 2028 | \$122,252,000 | 116.1 | 2.16 | 0.65 | 2.51 | 1.786 | 204.0 | 114.2 | 3.677 | 301.5 | 82.0 | 0.13 | 2.656 | 0.22 | 12.54 |

NRC Minimum: \$578,934,126 **Site Specific:**

| Licensee: | % Owned: | Category | Amount of NRC Minimum/Site Specific: | Amount in Trust Fund: |
|--------------------------------|----------|----------|--------------------------------------|-----------------------|
| Entergy Nuclear Generation Co. | 100.00% | 2 | \$578,934,126 | \$676,660,000 |
| | | | Total Fund Balance: | \$676,660,000 |

Step 1:
Earnings Credit:

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$676,660,000 | 2% | 0.44 | \$682,540,870 | YES |

Step 2:

Accumulation:

| Value of Annuity per year (amount/See Annuity Sheet) | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|--|------------------------------|-------------------------------|---------------------|
| | 2% | | \$0 |
| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 2: |
| \$0 | 2% | 0.44 | \$0 |
| Total Step 1 + Step 2 | | | Does Licensee Pass: |
| \$682,540,870 | | | YES |

Step 3:

Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|--------------------------|------------------------------|---------------|---------------------------|
| \$682,540,870 | 2% | 7 | \$50,742,022 |
| Total of Steps 1 thru 3: | | | Does Licensee Pass: |
| \$733,282,892 | | | YES |
| | | | Shortfall: |
| | | | NO |

Signature: Michael Dusanivskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

Plant name: Pilgrim Station **Docket Number:** 50-293
Date of Operation: Month: 12 Day: 31 Year: 2011
Termination of Operations: 6 8 2012

If licensee is granted greater than 2% RRR

Step 4:

Earnings Credit:

| Trust Fund Balance: | Real Rate of Return per year | Years Left in License | Total Earnings: | Does Licensee Pass: |
|---------------------|------------------------------|-----------------------|-----------------|---------------------|
| \$676,660,000 | 2.00% | 0.44 | \$682,540,870 | YES |

Step 5:

Accumulation:

| Value of Annuity per year | Real Rate of Return per year | Number of Annual Payments: | Total Annuity: |
|---------------------------|------------------------------|----------------------------|----------------|
| \$0 | 2.00% | 0 | \$0 |

| Total Annuity | Real Rate of Return per year | Years remaining after annuity | Total Step 5 |
|---------------|------------------------------|-------------------------------|--------------|
| \$0 | 2.00% | 0.44 | \$0 |

| Total Step 4 + Step 5 | Does Licensee Pass: |
|-----------------------|---------------------|
| \$682,540,870 | YES |

Step 6:

Decom Period:

| Total Earnings: | Real Rate of Return per year | Decom Period: | Total Earnings for Decom: |
|-----------------|------------------------------|---------------|---------------------------|
| \$682,540,870 | 2.00% | 7 | \$50,742,022 |

| Total of Steps 4 thru 6: | Does Licensee Pass: | Shortfall: |
|--------------------------|---------------------|------------|
| \$733,282,892 | YES | NO |

Signature: Michael Dusaniwskyj
 Date: 04/20/2012
 Signature: Jo Ann Simpson
 Date: 04/24/2012

J. McCann

- 2 -

This letter confirms correspondence, described above, regarding the DFS reports for operating power reactors and non operating power reactors as required under 10 CFR 50.75(f)(1). As of the date of this letter, considering the available information, the NRC determined that Entergy satisfied the requirements of 10 CFR 50.75 for Indian Point Nuclear Generating Station, Units 1, 2, and 3, and Pilgrim Nuclear Power Station as of December 31, 2011. The DFS report analyses are enclosed.

Sincerely,

/RA/

Richard Guzman
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-3, 50-247, 50-286, 50-293

Enclosure:
As stated.

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| DATE | 6/20/12 | 6/18/2012 | 6/18/2012 | 6/14/2012 |
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| DATE | 5/29/12 | 6/20/2012 | | |