



**Duke Power Company**  
*A Duke Energy Company*  
Energy Center  
P.O. Box 1006  
Charlotte, NC 28201-1006

October 11, 2000

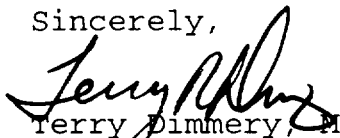
U.S Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Corporation  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Numbers 50-269, 50-270 and 50-287  
Monthly Performance and Operation Status-September, 2000

Please find attached information concerning the performance and operation status of the Oconee Nuclear Station for the month of September, 2000.

Any questions or comments September be directed to Roger A. Williams at (704) 382-5346.

Sincerely,

  
Terry Dimmery, Manager  
Nuclear Business Support

Attachment  
XC:

L. A. Reyes, Regional Administrator  
USNRC, Region II

Dave LaBarge, Project Manager  
USNRC, ONRR

INPO Records Center

Ms. Margaret Aucoin  
Nuclear Assurance Corporation

Dottie Sherman, ANI Library  
American Nuclear Insurers

Oconee NRC Inspector

IE24

Document Control Desk  
U.S. NRC - Ocone

bxc:

L. E. Nicholson (ON03RC)  
RGC Site Licensing File  
ELL (EC050)

# Operating Data Report

Docket No. 50-269  
Date October 11, 2000  
Completed By Roger Williams  
Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 1
2. Reporting Period: September 1, 2000 - September 30, 2000
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross MWe): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.**

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

10. Reason for Restrictions, If any: \_\_\_\_\_

|                                                                             | This Month | YTD      | Cumulative |
|-----------------------------------------------------------------------------|------------|----------|------------|
| 11. Hours in Reporting Period                                               | 720.0      | 6575.0   | 238536.0   |
| 12. Number of Hours Reactor was Critical                                    | 720.0      | 6193.5   | 186021.7   |
| 13. Reactor Reserve Shutdown Hours                                          | 0.0        | 0.0      | 0.0        |
| 14. Hours Generator On-Line                                                 | 720.0      | 6171.7   | 182785.3   |
| 15. Unit Reserve Shutdown Hours                                             | 0.0        | 0.0      | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1754047    | 15739581 | 451062435  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 600281     | 5475476  | 155911566  |
| 18. Net Electrical Energy Generated (MWH)                                   | 571816     | 5230474  | 148224510  |
| 19. Unit Service Factor                                                     | 100.0      | 93.9     | 76.6       |
| 20. Unit Availability Factor                                                | 100.0      | 93.9     | 76.6       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 93.9       | 94.0     | 72.7       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 89.6       | 89.8     | 70.1       |
| 23. Unit Forced Outage Rate                                                 | 0.0        | 6.1      | 9.8        |
| 24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each) |            |          |            |

25. If ShutDown At End Of Report Period, Estimated Date of Startup

26. Units in Test Status (Prior to Commercial Operation)

|                      | Forecast | Achieved |
|----------------------|----------|----------|
| Initial Criticality  | _____    | _____    |
| Initial Electricity  | _____    | _____    |
| Commercial Operation | _____    | _____    |

NRC Calculated from Generator Nameplate Data:  
1 037 937 KVA x 0.90 Pf=934 MW

# UNIT SHUTDOWNS

DOCKET NO. 50-269

UNIT NAME: Oconee 1

DATE: October 11, 2000

COMPLETED BY: Roger Williams

TELEPHONE: 704-382-5346

REPORT MONTH: September, 2000

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>No. | Cause and Corrective Action to Prevent Recurrence |
|-----|-------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---------------------------------------------------|
|     |       |                                     | No                | Outages    | for the Month                 |                                 |                                                   |

Summary:

## (1) Reason

- A - Equipment failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory restriction

- E - Operator Training/License Examination
- F - Administrative
- G - Operator Error (Explain)
- H - Other (Explain)

## (2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 1
2. Scheduled next refueling shutdown: November, 2000
3. Scheduled restart following refueling: December, 2000

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies  
(a) in the core: 177  
(b) in the spent fuel pool: 926\*  
(c) in the ISFSI: 1368\*\*\*\*
8. Present licensed fuel pool capacity: 1312  
Size of requested or planned increase: \*\*
9. Projected date of last refueling which can be accommodated by present capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: October 11, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\* Represents the combined total for Units 1 and 2

\*\* On March 29, 1990, received a license for ISFSI which will store 2112 assemblies

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as-needed basis.

\*\*\*\* Represents the combined total for Units 1, 2, and 3

# Operating Data Report

Docket No. 50-270  
Date October 11, 2000  
Completed By Roger Williams  
Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 2  
2. Reporting Period: September 1, 2000 - September 30, 2000  
3. Licensed Thermal Power (MWt): 2568  
4. Nameplate Rating (Gross MWe): 934  
5. Design Electrical Rating (Net MWe): 886  
6. Maximum Dependable Capacity (Gross MWe): 886  
7. Maximum Dependable Capacity (Net MWe): 846  
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.**

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_  
10. Reason for Restrictions, If any: \_\_\_\_\_

|                                                                             | This Month | YTD      | Cumulative |
|-----------------------------------------------------------------------------|------------|----------|------------|
| 11. Hours in Reporting Period                                               | 720.0      | 6575.0   | 228456.0   |
| 12. Number of Hours Reactor was Critical                                    | 720.0      | 6575.0   | 183132.3   |
| 13. Reactor Reserve Shutdown Hours                                          | 0.0        | 0.0      | 0.0        |
| 14. Hours Generator On-Line                                                 | 720.0      | 6575.0   | 180706.5   |
| 15. Unit Reserve Shutdown Hours                                             | 0.0        | 0.0      | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1840332    | 32531837 | 460756643  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 632066     | 5851895  | 152778238  |
| 18. Net Electrical Energy Generated (MWH)                                   | 604006     | 5605996  | 145537896  |
| 19. Unit Service Factor                                                     | 100.0      | 100.0    | 79.1       |
| 20. Unit Availability Factor                                                | 100.0      | 100.0    | 79.1       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 99.2       | 100.8    | 74.6       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 94.7       | 96.2     | 71.9       |
| 23. Unit Forced Outage Rate                                                 | 0.0        | 0.0      | 9.4        |
| 24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each) |            |          |            |

25. If ShutDown At End Of Report Period, Estimated Date of Startup

26. Units in Test Status (Prior to Commercial Operation)

|                      | Forecast | Achieved |
|----------------------|----------|----------|
| Initial Criticality  | _____    | _____    |
| Initial Electricity  | _____    | _____    |
| Commercial Operation | _____    | _____    |

NRC Calculated from Generator Nameplate Data:  
1 037 937 KVA x 0.90 Pf=934 MW

## UNIT SHUTDOWNS

DOCKET NO. 50-270UNIT NAME: Oconee 2DATE: October 11, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: September, 2000

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>No. | Cause and Corrective Action to Prevent Recurrence |
|-----|-------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---------------------------------------------------|
|     |       |                                     | No                | Outages    | for the Month                 |                                 |                                                   |

Summary:

**(1) Reason**

A - Equipment failure (Explain)

B - Maintenance or Test

C - Refueling

D - Regulatory restriction

E - Operator Training/License Examination

F - Administrative

G - Operator Error (Explain)

H - Other (Explain)

**(2) Method**

1 - Manual

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 2
2. Scheduled next refueling shutdown: April, 2001
3. Scheduled restart following refueling: May, 2001

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies  
(a) in the core: 177  
(b) in the spent fuel pool: 926\*  
(c) in the ISFSI: See unit 1 \*\*\*\*
8. Present licensed fuel pool capacity: 1312  
Size of requested or planned increase: \*\*
9. Projected date of last refueling which can be accommodated by present capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: October 11, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\* Represents the combined total for Units 1 and 2

\*\* See footnote on Unit 1

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1

# Operating Data Report

Docket No. 50-287  
Date October 11, 2000  
Completed By Roger Williams  
Telephone 704-382-5346

## Operating Status

1. Unit Name: Oconee 3
2. Reporting Period: September 1, 2000 - September 30, 2000
3. Licensed Thermal Power (MWt): 2568
4. Nameplate Rating (Gross MWe): 934
5. Design Electrical Rating (Net MWe): 886
6. Maximum Dependable Capacity (Gross MWe): 886
7. Maximum Dependable Capacity (Net MWe): 846
8. If Changes Occured in Capacity Ratings (Items Number 3-7) Since Last Report, Give Reasons:

**Notes: Year-to-date and cumulative capacity factors are calculated using a weighted average for maximum dependable capacity.**

- 
9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_
  10. Reason for Restrictions, If any: \_\_\_\_\_
- 

|                                                                             | This Month | YTD      | Cumulative |
|-----------------------------------------------------------------------------|------------|----------|------------|
| 11. Hours in Reporting Period                                               | 720.0      | 6575.0   | 226103.0   |
| 12. Number of Hours Reactor was Critical                                    | 720.0      | 5685.7   | 177737.8   |
| 13. Reactor Reserve Shutdown Hours                                          | 0.0        | 0.0      | 0.0        |
| 14. Hours Generator On-Line                                                 | 720.0      | 5521.7   | 175152.9   |
| 15. Unit Reserve Shutdown Hours                                             | 0.0        | 0.0      | 0.0        |
| 16. Gross Thermal Energy Generated (MWH)                                    | 1848960    | 46591330 | 469654232  |
| 17. Gross Electrical Energy Generated (MWH)                                 | 637542     | 4902449  | 151119576  |
| 18. Net Electrical Energy Generated (MWH)                                   | 609602     | 4680610  | 144142801  |
| 19. Unit Service Factor                                                     | 100.0      | 84.0     | 77.5       |
| 20. Unit Availability Factor                                                | 100.0      | 84.0     | 77.5       |
| 21. Unit Capacity Factor (Using MDC Net)                                    | 100.1      | 84.1     | 74.7       |
| 22. Unit Capacity Factor (Using DER Net)                                    | 95.6       | 80.3     | 72.0       |
| 23. Unit Forced Outage Rate                                                 | 0.0        | 2.1      | 9.7        |
| 24. Shutdown Scheduled Over Next 6 Months (Type, Date and Duration of Each) |            |          |            |

25. If ShutDown At End Of Report Period, Estimated Date of Startup
26. Units in Test Status (Prior to Commercial Operation)

|                      | Forecast | Achieved |
|----------------------|----------|----------|
| Initial Criticality  | _____    | _____    |
| Initial Electricity  | _____    | _____    |
| Commercial Operation | _____    | _____    |

NRC Calculated from Generator Nameplate Data:  
1 037 937 KVA x 0.90 Pf=934 MW

## UNIT SHUTDOWNS

DOCKET NO. 50-287UNIT NAME: Oconee 3DATE: October 11, 2000COMPLETED BY: Roger WilliamsTELEPHONE: 704-382-5346REPORT MONTH: September, 2000

| No. | Date: | Type<br>F - Forced<br>S - Scheduled | Duration<br>Hours | (1) Reason | (2) Method of<br>Shutdown R/X | Licensed<br>Event Report<br>No. | Cause and Corrective Action to Prevent Recurrence |
|-----|-------|-------------------------------------|-------------------|------------|-------------------------------|---------------------------------|---------------------------------------------------|
|     |       |                                     | No                | Outages    | for the Month                 |                                 |                                                   |

Summary:

**(1) Reason**

A - Equipment failure (Explain)

B - Maintenance or Test

C - Refueling

D - Regulatory restriction

E - Operator Training/License Examination

F - Administrative

G - Operator Error (Explain)

H - Other (Explain)

**(2) Method**

1 - Manual

3 - Automatic Trip/Scram

5 - Other (Explain)

2 - Manual Trip/Scram

4 - Continuation

### MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Oconee Unit 3
2. Scheduled next refueling shutdown: October 2001
3. Scheduled restart following refueling: November 2001

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies
  - (a) in the core: 177
  - (b) in the spent fuel pool: 552
  - (c) in the ISFSI: See Unit 1 \*\*\*\*
8. Present licensed fuel pool capacity: 825  
Size of requested or planned increase: \*\*
9. Projected date of last refueling which can be accommodated by present capacity: January 2005\*\*\*

DUKE POWER COMPANY

DATE: October 11, 2000

Name of Contact: R. A. Williams

Phone: (704) - 382-5346

\*\* See footnote of Unit 1

\*\*\* We currently have 60 modules of which 49 modules are loaded.  
Additional modules will be built on an as needed basis.

\*\*\*\* See footnote on Unit 1

OCONEE NUCLEAR STATION

MONTHLY OPERATING STATUS REPORT

AUGUST 2000

1. Personnel Exposure -

The total station liquid release for AUGUST has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for AUGUST has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.