



Department of Energy  
Washington, D.C. 20545

Docket No. 50-537  
HQ:E:82:005

JAN 29 1982



Mr. Paul S. Check, Director  
CRBR Program Office  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Check:

RESPONSE TO NRC QUESTIONS

This letter responds to your letter of January 12, 1982, which requested specific information with regard to the socioeconomic assessment provided in Environmental Report Amendment X (December 1981). Answers to Questions 40 and 41, as requested, are enclosed.

Sincerely,

*John R. Longenecker*

John R. Longenecker, Manager  
Licensing & Environmental  
Coordination  
Office of Nuclear Energy

Enclosure

cc: Service List  
Standard Distribution  
Licensing Distribution

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CRBRP ENVIRONMENTAL REPORT AMENDMENT X  
RESPONSES TO NRC QUESTIONS 40 AND 41

Question (40)

Appendix Section 1.0 What is the basis for the percentage distribution of operating work force in the counties? Why wouldn't the percentage distribution in Table 8.1-7 be a more accurate estimate of where CRBRP employees will choose to live than the distribution in Section 1.0?

Answer (40)

The distribution of the operating movers is based on the same factors utilized in the distribution of construction movers, i.e., distance and direction to the site, area housing availability, and data on location patterns from TVA employee surveys. Table 8.1-7 indicates the existing location of DOE employees, many of whom have been area residents for a long period of time. Therefore, the data do not reflect recent housing trends, the most important of which is the tremendous growth in west Knox County in the past decade. In addition, the proportion of DOE employees residing outside Oak Ridge has been increasing in the past several years.

Question (41)

Tables 3.3 to 3.12 Please prepare a series of tables similar to those indicated which show the revenues generated by the operating work force. Explain all assumptions and calculations.

Answer (41)

The assumptions used to estimate the construction-related nonproperty tax revenue were based on resident per capita figures, instead of specific construction worker characteristics. This results in a conservative estimate of revenues. Therefore, it is reasonable to utilize those same assumptions and calculations for the operational influx. The attached revenue projections were prepared by applying operation to construction population ratios for each governmental jurisdiction to the projections contained in Tables 3.3 - 3.12 of the ER. For example, the size of the operational population influx for Oak Ridge (50) is about 7 percent of that projected for Migration Condition A (760). Thus, the amount of nonproperty tax revenue generated by the operational influx is estimated to be about 7 percent of that revenue estimated for Migration Condition A.

The property tax revenue estimates could not be ratioed because housing characteristics of operational and construction movers are expected to be different. Based on the relative permanence of the operational movers and data from surveys of operational movers at three TVA nuclear plants, it was assumed that, in general, a large percentage of them would occupy single family homes (70 percent). The housing choice of the remaining movers is assumed to be evenly split between mobile homes and apartments (15 percent each). These overall percentages were varied somewhat among jurisdictions based on local housing characteristics. For example, Oak Ridge is not expected to have any movers occupying mobile homes. The property tax estimates were calculated with the same average housing values and tax rates used for the construction period estimates.

Our estimated distribution of the location of inmoving operational employees is attached. For the purposes of these revenue calculations, half of the projected movers expected to reside in the vicinity of each municipal area, except for Oak Ridge and Knoxville, are assumed to locate outside the city limits. An identical assumption was made for the construction period revenue calculations.

CRBRP

DISTRIBUTION OF OPERATIONAL MOVERS

|                       | <u>Movers</u> | <u>Total<br/>Population Influx</u> | <u>School-Age<br/>Children</u> |
|-----------------------|---------------|------------------------------------|--------------------------------|
| Anderson County       |               |                                    |                                |
| Oak Ridge             | 19            | 50                                 | 10                             |
| Clinton Area          | 6             | 20                                 | 4                              |
| Knox County           |               |                                    |                                |
| Knoxville             | 6             | 15                                 | 3                              |
| West Knox County Area | 50            | 125                                | 22                             |
| Loudon County         |               |                                    |                                |
| Lencir City Area      | 13            | 30                                 | 6                              |
| Roane County          |               |                                    |                                |
| Kingston Area         | 19            | 50                                 | 14                             |
| Rockwood Area         | 6             | 15                                 | 3                              |
| Harriman Area         | 6             | 15                                 | 3                              |

1/25/82

TABLE 1

SELECTED REVENUES FOR ANDERSON COUNTY  
FROM CRBRP OPERATION-RELATED POPULATION INFLUX

| <u>General Fund Revenues</u>       |       |
|------------------------------------|-------|
| Property Tax                       | 5,500 |
| Sales Tax                          | NA    |
| Beer and Alcoholic<br>Beverage Tax | 10    |
| Fines, Fees, Charges               | 100   |
| TOTAL                              | 5,600 |
| <u>School Fund Revenues</u>        |       |
| Property Tax                       | 8,100 |
| Sales Tax                          | NA    |
| State Funds                        | 700   |
| TOTAL                              | 8,800 |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.

TABLE 2

SELECTED REVENUES FOR CLINTON  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 600   |
| Sales Tax                          | 500   |
| Beer and Alcoholic<br>Beverage Tax | 100   |
| Fines, Fees, Charges               | 40    |
| TOTAL                              | 1,200 |

School Fund Revenues

|              |       |
|--------------|-------|
| Property Tax | 1,300 |
| Sales Tax    | NA    |
| State Funds  | 700   |
| TOTAL        | 2,000 |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.



TABLE 3

SELECTED REVENUES FOR OAK RIDGE  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 7,500 |
| Sales Tax                          | 1,200 |
| Beer and Alcoholic<br>Beverage Tax | 100   |
| Fines, Fees, Charges               | 200   |
| TOTAL                              | 9,000 |

School Fund Revenues

|              |       |
|--------------|-------|
| Property Tax | 4,800 |
| Sales Tax    | 100   |
| State Funds  | 4,400 |
| TOTAL        | 9,300 |

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Note: Estimates are for typical year of operation.

TABLE 4

SELECTED REVENUES FOR KNOX COUNTY  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 6,600 |
| Sales Tax                          | NA    |
| Beer and Alcoholic<br>Beverage Tax | 100   |
| Fines, Fees, Charges               | 400   |
| TOTAL                              | 7,100 |

School Fund Revenues

|              |        |
|--------------|--------|
| Property Tax | 3,900  |
| Sales Tax    | 2,200  |
| State Funds  | 12,000 |
| TOTAL        | 18,100 |

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NA = Not Applicable

Note: Estimates are for typical year of operation.



TABLE 5

SELECTED REVENUES FOR LOUDON COUNTY  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 900   |
| Sales Tax                          | NA    |
| Beer and Alcoholic<br>Beverage Tax | 10    |
| Fines, Fees, Charges               | 200   |
| TOTAL                              | 1,100 |

School Fund Revenues

|              |       |
|--------------|-------|
| Property Tax | 2,300 |
| Sales Tax    | 200   |
| State Funds  | 1,500 |
| TOTAL        | 4,000 |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.

TABLE 6

SELECTED REVENUES FOR LENOIR CITY  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 900   |
| Sales Tax                          | 200   |
| Beer and Alcoholic<br>Beverage Tax | 0     |
| Fines, Fees, Charges               | 200   |
| TOTAL                              | 1,300 |

School Fund Revenues

|              |       |
|--------------|-------|
| Property Tax | 1,200 |
| Sales Tax    | 100   |
| State Funds  | 600   |
| TOTAL        | 1,900 |

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Note: Estimates are for typical year of operation.

TABLE 7

SELECTED REVENUES FOR ROANE COUNTY  
FROM CRBRP OPERATION-RELATED POPULATION INFLUXGeneral Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 3,200 |
| Sales Tax                          | NA    |
| Beer and Alcoholic<br>Beverage Tax | 30    |
| Fines, Fees, Charges               | 300   |
| TOTAL                              | 3,500 |

School Fund Revenues

|              |       |
|--------------|-------|
| Property Tax | 2,000 |
| Sales Tax    | 700   |
| State Funds  | 6,400 |
| TOTAL        | 9,100 |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.

TABLE 8

SELECTED REVENUES FOR KINGSTON  
FROM CRBRP OPERATION-RELATED POPULATION INFLUX

General Fund Revenues

|                                    |       |
|------------------------------------|-------|
| Property Tax                       | 1,600 |
| Sales Tax                          | 700   |
| Beer and Alcoholic<br>Beverage Tax | 200   |
| Fines, Fees, Charges               | 10    |
| TOTAL                              | 2,500 |

School Fund Revenues

|              |    |
|--------------|----|
| Property Tax | NA |
| Sales Tax    | NA |
| State Funds  | NA |
| TOTAL        | -- |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.

TABLE 9

SELECTED REVENUES FOR ROCKWOOD  
FROM CRBRP OPERATION-RELATED POPULATION INFLUX

General Fund Revenues

|                                    |     |
|------------------------------------|-----|
| Property Tax                       | 500 |
| Sales Tax                          | 200 |
| Beer and Alcoholic<br>Beverage Tax | 40  |
| Fines, Fees, Charges               | 100 |
| TOTAL                              | 800 |

School Fund Revenues

|              |    |
|--------------|----|
| Property Tax | NA |
| Sales Tax    | NA |
| State Funds  | NA |
| TOTAL        | —  |

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NA = Not Applicable

Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.

TABLE 10

SELECTED REVENUES FOR HARRIMAN  
FROM CRBRP OPERATION-RELATED POPULATION INFLUX

| <u>General Fund Revenues</u>       |       |
|------------------------------------|-------|
| Property Tax                       | 300   |
| Sales Tax                          | 200   |
| Beer and Alcoholic<br>Beverage Tax | 20    |
| Fines, Fees, Charges               | 10    |
| TOTAL                              | 500   |
| <br>                               |       |
| <u>School Fund Revenues</u>        |       |
| Property Tax                       | 1,000 |
| Sales Tax                          | 300   |
| State Funds                        | 1,500 |
| TOTAL                              | 2,800 |

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Note: Totals rounded off to nearest 100.  
Estimates are for typical year of  
operation.