

BFN-18

Table 2.2-1

(Deleted by Amendment 7)

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Table 2.2-2  
(SHEET 1)  
Historical Information

1970 and 1980 POPULATION OF ALL INCORPORATED PLACES IN 1980  
WITHIN 60-MILE RADIUS OF BROWNS FERRY SITE

| <u>Town</u> | <u>County</u>                 | <u>Direction</u> | <u>Population</u> |             | <u>1980</u> |
|-------------|-------------------------------|------------------|-------------------|-------------|-------------|
|             |                               |                  | <u>Miles</u>      | <u>1970</u> |             |
| 0-10        |                               |                  |                   |             |             |
| Trinity     | Morgan                        | S                | 7.0               | 881         | 1,328       |
| Hillsboro   | Lawrence                      | SW               | 6.2               | 222         | 278         |
| Total       |                               |                  |                   | 1,103       | 1,606       |
| 10-20       |                               |                  |                   |             |             |
| Athens      | Limestone                     | NE               | 10.0              | 14,360      | 14,558      |
| Elkmont     | Limestone                     | NNE              | 16.6              | 394         | 429         |
| Mooreville  | Limestone                     | ESE              | 13.8              | 72          | 58          |
| Decatur     | Morgan                        | SE               | 10.0              | 38,044      | 42,002      |
| Flint City  | Morgan                        | SE & SSE         | 15.3              | 404         | 673         |
| Priceville  | Morgan                        | SE               | 18.0              | ---         | 966**       |
| Moulton     | Lawrence                      | SW & SSW         | 18.9              | 2,470       | 3,197       |
| Courtland   | Lawrence                      | W & WSW          | 11.5              | 547         | 456         |
| Town Creek  | Lawrence                      | W                | 17.0              | 1,203       | 1,201       |
| Rogersville | Lauderdale                    | NW               | 13.0              | 950         | 1,224       |
| Total       |                               |                  |                   | 58,444      | 64,764      |
| 20-30       |                               |                  |                   |             |             |
| Lester      | Limestone                     | N                | 20.0              | 70          | 117         |
| Minor Hill  | Giles (T)                     | N                | 24.0              | 315         | 564         |
| Elkton      | Giles (T)                     | NNE              | 27.0              | 341         | 540         |
| Ardmore     | Giles (T)<br>and Limestone NE | 25.5             | 1,362             | 1,931       |             |
| Huntsville  | Madison                       | E                | 29.5              | 139,282     | 142,513     |
| Madison     | Madison                       | E                | 20.0              | 3,086       | 4,057       |
| Triana      | Madison                       | ESE              | 23.8              | 228         | 285         |
| Hartselle   | Morgan                        | SSE              | 21.0              | 7,355       | 8,858       |
| Somerville  | Morgan                        | SE               | 23.4              | 180         | 140         |
| Falkville   | Morgan                        | SE               | 26.0              | 946         | 1,310       |
| Leighton    | Colbert                       | W                | 24.0              | 1,231       | 1,218       |
| Killen      | Lauderdale                    | WNW              | 26.7              | 683         | 747         |
| Lexington   | Lauderdale                    | NW               | 23.0              | 278         | 884         |
| Anderson    | Lauderdale                    | NNW              | 28.0              | ---         | 405**       |
| Total       |                               |                  |                   | 155,357     | 163,569     |

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Table 2.2-2 (Continued)  
(SHEET 2)  
Historical Information

| <u>Town</u>       | <u>County*</u>               | <u>Direction</u> | <u>Miles</u> | <u>Population</u> |             |
|-------------------|------------------------------|------------------|--------------|-------------------|-------------|
|                   |                              |                  |              | <u>1970</u>       | <u>1980</u> |
|                   |                              |                  | 30-40        |                   |             |
| Pulaski           | Giles (T)                    | N                | 34.0         | 6,989             | 7,184       |
| Lawrenceburg      | Lawrence (T)                 | NNW              | 39.0         | 8,889             | 10,184      |
| Owens Cross-roads | Madison                      | ESE              | 37.5         | 767               | 804         |
| Eva               | Morgan                       | SE               | 32.0         | 146               | 185         |
| South Vinemont    | Cullman                      | SSE              | 33.2         | 480               | 615         |
| Cullman           | Cullman                      | SSE              | 40.0         | 12,601            | 13,084      |
| Addison           | Winston                      | S                | 35.5         | 692               | 746         |
| Muscle Shoals     | Colbert                      | W                | 31.0         | 6,907             | 8,911       |
| Sheffield         | Colbert                      | W                | 33.4         | 3,115             | 11,903      |
| Tuscumbia         | Colbert                      | W                | 34.0         | 8,828             | 9,137       |
| Littleville       | Colbert                      | WSW              | 34.3         | 858               | 1,262       |
| Russellville      | Franklin                     | WSW              | 38.3         | 7,814             | 8,195       |
| Florence          | Lauderdale                   | W & WNW          | 33.0         | 34,031            | 37,029      |
| St. Florian       | Lauderdale                   | WNW              | 32.0         | ---               | 305**       |
| Loretto           | Lawrence (T)                 | NW               | 31.8         | 1,375             | 1,612       |
| St. Joseph        | Lawrence (T)                 | NW               | 32.3         | 637               | 897         |
| Iron City         | Lawrence (T)                 | NW               | 34.0         | 504               | 482         |
|                   |                              |                  | Total        | 104,633           | 112,535     |
|                   |                              |                  | 40-50        |                   |             |
| Lynnville         | Giles (T)                    | N                | 46.4         | 327               | 383         |
| Cornersville      | Marshall (T)                 | NNE              | 46.5         | 655               | 722         |
| Fayetteville      | Lincoln (T)                  | NE               | 43.0         | 7,030             | 7,559       |
| Petersburg        | Lincoln (T)<br>& Marshall(T) | NNE              | 49.2         | 463               | 681         |
| Etheridge         | Lawrence (T)                 | NNW              | 45.0         | ---               | 548**       |
| Gurley            | Madison                      | E                | 41.0         | 647               | 735         |
| New Hope          | Madison                      | ESE              | 41.8         | 1,300             | 1,546       |
| Paint Rock        | Jackson                      | E                | 44.1         | 226               | 221         |
| Woodville         | Jackson                      | E                | 47.4         | 322               | 609         |
| Grant             | Marshall                     | ESE              | 49.2         | 382               | 632         |
| Arab              | Marshall                     | SE               | 43.2         | 4,399             | 5,967       |
| Union Grove       | Marshall                     | ESE              | 44.2         | 118               | 127         |
| Bailytown         | Cullman                      | SE               | 42.0         | ---               | 396**       |
| West Point        | Cullman                      | SSE              | 43.0         | ---               | 177**       |
| Fairview          | Cullman                      | SE               | 40.2         | 313               | 450         |
| Holly Pond        | Cullman                      | SE               | 46.2         | 325               | 493         |

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Table 2.2-2 (Cont'd)  
(SHEET 3)  
Historical Information

| <u>Town</u>    | <u>County*</u> | <u>Direction</u> | <u>Miles</u> | <u>Population</u> |             |
|----------------|----------------|------------------|--------------|-------------------|-------------|
|                |                |                  |              | <u>1970</u>       | <u>1980</u> |
| Hanceville     | Cullman        | SSE              | 47.8         | 2,027             | 2,220       |
| Good Hope      | Cullman        | SSE              | 44.4         | 840               | 1,442       |
| Arley          | Winston        | S                | 45.0         | 164               | 276         |
| Double Springs | Winston        | SSW              | 42.8         | 957               | 1,057       |
| Haleyville     | Winston        | SW               | 45.0         | 4,190             | 5,306       |
| Phil Campbell  | Franklin       | SW               | 42.5         | 1,230             | 1,549       |
| Bear Creek     | Marion         | SW               | 46.2         | 336               | 353         |
| Cherokee       | Colbert        | W                | 49.2         | 1,484             | 1,589       |
| Collinwood     | Wayne (T)      | NW               | 48.0         | 922               | 1,064       |
|                |                |                  | Total        | 28,657            | 36,102      |
|                |                |                  | 50-60        |                   |             |
| Lewisburg      | Marshall (T)   | NNE              | 54.0         | 7,207             | 8,706       |
| Mount Pleasant | Maury (T)      | N                | 57.2         | 3,530             | 3,375       |
| Huntland       | Franklin (T)   | ENE              | 52.8         | 849               | 983         |
| Lynchburg      | Moore (T)      | NE               | 56.9         | 538               | 668         |
| Guntersville   | Marshall       | ESE              | 51.5         | 6,491             | 9,041       |
| Albertville    | Marshall       | ESE              | 59.5         | 9,963             | 12,039      |
| Garden City    | Cullman        | SSE              | 52.0         | 745               | 655         |
| Blountsville   | Blount         | SE               | 52.1         | 1,254             | 1,509       |
| Cleveland      | Blount         | SSE              | 58.0         | 413               | 487         |
| Nectar         | Blount         | SSE              | 57.5         | ---               | 367**       |
| Rosa           | Blount         | SE               | 60.0         | ---               | 204**       |
| Hayden         | Blount         | SSE              | 59.0         | 195               | 268         |
| Snead          | Blount         | SE               | 59.5         | 347               | 667         |
| Hodges         | Franklin       | WSW              | 54.0         | 207               | 250         |
| Vina           | Franklin       | WSW              | 59.0         | 366               | 346         |
| Hackleburg     | Marion         | SW               | 51.6         | 726               | 883         |
| Brilliant      | Marion         | SW               | 60.0         | 726               | 871         |
| Douglas        | Marshall       | SE               | 57.5         | ---               | 116**       |
| Nauvoo         | Walker         | SSW              | 54.5         | 265               | 259         |
| Lynn           | Winston        | SSW              | 52.6         | 286               | 554         |
| Waterloo       | Lauderdale     | WNW              | 56.3         | 262               | 260         |
| Waynesboro     | Wayne (T)      | NW               | 56.0         | 1,983             | 2,109       |
|                |                |                  | Total        | 36,353            | 44,617      |

\*All counties are in Alabama except those Tennessee counties noted by (T).

\*\*Place incorporated since 1970.

Source: U.S. Bureau of the Census. U.S. Census of Population: 1980. Number of Inhabitants.

Table 2.2-3  
 HISTORICAL INFORMATION  
 BROWNS FERRY NUCLEAR PLANT  
 CITIES AND TOWNS WITHIN 60 MILES HAVING 2,500 OR MORE RESIDENTS IN 1990

| <u>Alabama</u>   | <u>County</u> | <u>1970</u> <sup>1</sup> | <u>1980</u> <sup>1</sup> | <u>1986</u> <sup>2</sup> | <u>1990</u> <sup>1</sup> | <u>2000</u> <sup>2</sup> | <u>2010</u> <sup>2</sup> | <u>2020</u> <sup>2</sup> |
|------------------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Albertville      | Marshall      | 9,963                    | 12,039                   | 13,000                   | 14,507                   | 15,400                   | 16,100                   | 16,900                   |
| Arab             | Marshall      | 4,399                    | 5,967                    | 6,600                    | 6,321                    | 6,700                    | 7,000                    | 7,400                    |
| Athens           | Limestone     | 14,360                   | 14,558                   | 15,400                   | 16,901                   | 17,500                   | 18,000                   | 18,600                   |
| Cullman          | Cullman       | 12,601                   | 13,084                   | 13,600                   | 13,367                   | 13,700                   | 14,100                   | 14,600                   |
| Decatur          | Morgan        | 38,044                   | 42,002                   | 44,700                   | 48,761                   | 50,100                   | 51,900                   | 54,000                   |
| Florence         | Lauderdale    | 34,031                   | 37,029                   | 37,600                   | 36,426                   | 36,500                   | 37,000                   | 38,200                   |
| Guntersville     | Marshall      | 6,491                    | 7,041                    | 7,500                    | 7,038                    | 7,500                    | 7,800                    | 8,200                    |
| Haleyville       | Winston       | 4,190                    | 5,306                    | 5,300                    | 4,452                    | 4,500                    | 4,600                    | 4,700                    |
| Hartselle        | Morgan        | 7,355                    | 8,858                    | 9,700                    | 10,795                   | 11,200                   | 11,600                   | 12,100                   |
| Huntsville       | Madison       | 139,282                  | 142,513                  | 156,600                  | 159,789                  | 166,000                  | 170,800                  | 177,100                  |
| Madison          | Madison       | 3,086                    | 4,057                    | 5,600                    | 14,904                   | 15,500                   | 15,900                   | 16,500                   |
| Moulton          | Lawrence      | 2,470                    | 3,197                    | 3,300                    | 3,248                    | 3,200                    | 3,200                    | 3,200                    |
| Muscle Shoals    | Colbert       | 6,907                    | 8,911                    | 8,700                    | 9,611                    | 9,500                    | 9,700                    | 9,900                    |
| Russellville     | Franklin      | 7,814                    | 8,195                    | 8,200                    | 7,812                    | 7,700                    | 7,700                    | 7,900                    |
| Sheffield        | Colbert       | 13,115                   | 11,903                   | 11,900                   | 10,380                   | 10,300                   | 10,400                   | 10,700                   |
| Tuscumbia        | Colbert       | 8,828                    | 9,137                    | 9,000                    | 8,413                    | 8,400                    | 8,500                    | 8,700                    |
| <u>Tennessee</u> |               |                          |                          |                          |                          |                          |                          |                          |
| Fayetteville     | Lincoln       | 7,030                    | 7,559                    | 7,600                    | 6,921                    | 7,200                    | 7,400                    | 7,700                    |
| Lawrenceburg     | Lawrence      | 8,889                    | 10,184                   | 10,400                   | 10,412                   | 10,900                   | 11,200                   | 11,500                   |
| Lewisburg        | Marshall      | 7,207                    | 8,760                    | 9,400                    | 8,351                    | 9,000                    | 9,500                    | 9,800                    |
| Mount Pleasant   | Maury         | 3,530                    | 3,375                    | 3,400                    | 4,278                    | 4,500                    | 4,700                    | 4,900                    |
| Pulaski          | Giles         | 6,989                    | 7,184                    | 7,200                    | 7,895                    | 7,900                    | 8,000                    | 8,100                    |

1. U.S. Bureau of the Census, Census of Population: 1970, 1980, and 1990, Number of Inhabitants, Alabama and Tennessee.
2. TVA estimates.

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Table 2.2-4

(Sheet 1)

Historical Information

1970 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | Total<br>Population | 0-1 | 1-2 | 2-3 | 3-4 | 4-5   | 5-10   |
|-------|---------------------|-----|-----|-----|-----|-------|--------|
| N     | 855                 | --- | 10  | 55  | 35  | 85    | 670    |
| NNE   | 1,055               | --- | 5   | 15  | 65  | 55    | 915    |
| NE    | 4,335               | --- | 5   | 25  | 45  | 80    | 4,180  |
| ENE   | 1,485               | --- | 15  | 50  | 40  | 70    | 1,310  |
| E     | 1,025               | --- | --- | 30  | 10  | 40    | 945    |
| ESE   | 170                 | --- | --- | 5   | --- | ---   | 165    |
| SE    | 10,400              | --- | --- | --- | --- | 20    | 10,380 |
| SSE   | 1,680               | --- | --- | --- | --- | 50    | 1,630  |
| S     | 1,395               | --- | --- | 20  | 35  | 90    | 1,250  |
| SSW   | 1,155               | --- | --- | 60  | 75  | 175   | 845    |
| SW    | 830                 | --- | --- | 20  | 35  | 90    | 685    |
| WSW   | 480                 | --- | --- | 35  | 15  | 135   | 295    |
| W     | 685                 | --- | --- | 25  | 5   | 30    | 625    |
| WNW   | 130                 | --- | --- | --- | 25  | 55    | 50     |
| NW    | 350                 | --- | --- | --- | --- | 5     | 345    |
| NNW   | 710                 | --- | 5   | 35  | 25  | 20    | 625    |
| Total | 26,740              | --- | 40  | 375 | 410 | 1,000 | 24,915 |

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Table 2.2-4

(Sheet 2)

Historical Information

1980 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | Total<br>Population | 0-1 | 1-2 | 2-3 | 3-4 | 4-5   | 5-10   |
|-------|---------------------|-----|-----|-----|-----|-------|--------|
| N     | 820                 | --- | 10  | 50  | 35  | 80    | 645    |
| NNE   | 1,010               | --- | 5   | 15  | 60  | 55    | 875    |
| NE    | 5,175               | --- | 5   | 30  | 50  | 80    | 5,010  |
| ENE   | 2,060               | --- | 20  | 70  | 55  | 100   | 1,815  |
| E     | 1,435               | --- | --- | 45  | 15  | 55    | 1,320  |
| ESE   | 235                 | --- | --- | 5   | --- | ---   | 230    |
| SE    | 11,245              | --- | --- | --- | --- | 20    | 11,225 |
| SSE   | 2,520               | --- | --- | --- | --- | 50    | 2,470  |
| S     | 1,455               | --- | --- | 25  | 35  | 90    | 1,305  |
| SSW   | 1,200               | --- | --- | 60  | 80  | 170   | 890    |
| SW    | 860                 | --- | --- | 25  | 40  | 95    | 700    |
| WSW   | 495                 | --- | --- | 35  | 15  | 140   | 305    |
| W     | 685                 | --- | --- | 25  | 5   | 30    | 625    |
| WNW   | 130                 | --- | --- | --- | 25  | 55    | 50     |
| NW    | 345                 | --- | --- | --- | --- | 5     | 340    |
| NNW   | 685                 | --- | 5   | 35  | 20  | 20    | 605    |
| Total | 30,355              | --- | 45  | 420 | 435 | 1,045 | 28,410 |

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TABLE 2.2-4

(Sheet 3)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
1986 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | 0-1 | 1-2 | 2-3 | 3-4 | 4-5  | 5-10  | TOTAL |
|-------|-----|-----|-----|-----|------|-------|-------|
| N     | 34  | 0   | 0   | 73  | 118  | 1135  | 1360  |
| NNE   | 0   | 11  | 20  | 137 | 48   | 1341  | 1557  |
| NE    | 0   | 3   | 20  | 39  | 109  | 4259  | 4430  |
| ENE   | 0   | 34  | 76  | 90  | 39   | 1615  | 1854  |
| E     | 0   | 0   | 20  | 6   | 28   | 1408  | 1462  |
| ESE   | 0   | 0   | 11  | 0   | 0    | 106   | 117   |
| SE    | 0   | 0   | 0   | 0   | 0    | 6960  | 6960  |
| SSE   | 0   | 0   | 0   | 0   | 10   | 2304  | 2314  |
| S     | 0   | 0   | 14  | 17  | 66   | 1405  | 1502  |
| SSW   | 0   | 0   | 46  | 55  | 258  | 1307  | 1666  |
| SW    | 0   | 0   | 0   | 20  | 152  | 640   | 812   |
| WSW   | 0   | 0   | 14  | 26  | 100  | 354   | 494   |
| W     | 0   | 115 | 20  | 11  | 23   | 116   | 285   |
| WNW   | 0   | 0   | 6   | 11  | 37   | 171   | 225   |
| NW    | 0   | 0   | 67  | 8   | 53   | 1059  | 1187  |
| NNW   | 0   | 168 | 162 | 56  | 70   | 1179  | 1635  |
| TOTAL | 34  | 331 | 476 | 549 | 1111 | 25359 | 27860 |



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TABLE 2.2-4

(Sheet 4)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
1990 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-10  | TOTAL |
|-------|-----|-----|-----|-----|-----|-------|-------|
| N     | 38  | 0   | 0   | 82  | 133 | 1338  | 1592  |
| NNE   | 0   | 12  | 23  | 155 | 54  | 1516  | 1760  |
| NE    | 0   | 3   | 23  | 44  | 123 | 4560  | 4753  |
| ENE   | 0   | 38  | 86  | 102 | 44  | 1750  | 2019  |
| E     | 0   | 0   | 23  | 7   | 32  | 1586  | 1647  |
| ESE   | 0   | 0   | 12  | 0   | 0   | 123   | 135   |
| SE    | 0   | 0   | 0   | 0   | 0   | 8435  | 8435  |
| SSE   | 0   | 0   | 0   | 0   | 0   | 2483  | 2483  |
| S     | 0   | 0   | 10  | 12  | 46  | 1525  | 1593  |
| SSW   | 0   | 0   | 33  | 40  | 188 | 1345  | 1606  |
| SW    | 0   | 0   | 0   | 15  | 111 | 847   | 973   |
| WSW   | 0   | 0   | 10  | 19  | 73  | 244   | 346   |
| W     | 0   | 84  | 15  | 8   | 17  | 79    | 203   |
| WNW   | 0   | 0   | 4   | 8   | 27  | 36    | 75    |
| NW    | 0   | 0   | 76  | 9   | 60  | 826   | 970   |
| NNW   | 0   | 189 | 183 | 63  | 79  | 1381  | 1895  |
| TOTAL | 38  | 328 | 496 | 563 | 987 | 28073 | 30485 |

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TABLE 2.2-4

(Sheet 5)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2000 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-10  | TOTAL |
|-------|-----|-----|-----|-----|-----|-------|-------|
| N     | 40  | 0   | 0   | 85  | 137 | 1382  | 1644  |
| NNE   | 0   | 13  | 23  | 160 | 56  | 1565  | 1817  |
| NE    | 0   | 3   | 23  | 45  | 127 | 4708  | 4908  |
| ENE   | 0   | 40  | 89  | 105 | 45  | 1807  | 2085  |
| E     | 0   | 0   | 23  | 7   | 33  | 1638  | 1701  |
| ESE   | 0   | 0   | 13  | 0   | 0   | 127   | 140   |
| SE    | 0   | 0   | 0   | 0   | 0   | 8777  | 8777  |
| SSE   | 0   | 0   | 0   | 0   | 0   | 2584  | 2584  |
| S     | 0   | 0   | 10  | 12  | 45  | 1520  | 1587  |
| SSW   | 0   | 0   | 32  | 39  | 184 | 1315  | 1570  |
| SW    | 0   | 0   | 0   | 15  | 108 | 828   | 951   |
| WSW   | 0   | 0   | 10  | 19  | 71  | 238   | 337   |
| W     | 0   | 82  | 15  | 8   | 17  | 76    | 198   |
| WNW   | 0   | 0   | 4   | 8   | 26  | 37    | 75    |
| NW    | 0   | 0   | 78  | 9   | 62  | 853   | 1002  |
| NNW   | 0   | 196 | 189 | 65  | 82  | 1426  | 1957  |
| TOTAL | 40  | 334 | 508 | 576 | 993 | 28881 | 31332 |

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TABLE 2.2-4

(Sheet 6)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2010 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | 0-1 | 1-2 | 2-3 | 3-4 | 4-5  | 5-10  | TOTAL |
|-------|-----|-----|-----|-----|------|-------|-------|
| N     | 41  | 0   | 0   | 87  | 141  | 1421  | 1691  |
| NNE   | 0   | 13  | 24  | 164 | 58   | 1610  | 1869  |
| NE    | 0   | 4   | 24  | 47  | 131  | 4843  | 5048  |
| ENE   | 0   | 41  | 91  | 108 | 47   | 1858  | 2145  |
| E     | 0   | 0   | 24  | 7   | 34   | 1684  | 1749  |
| ESE   | 0   | 0   | 13  | 0   | 0    | 131   | 144   |
| SE    | 0   | 0   | 0   | 0   | 0    | 9081  | 9081  |
| SSE   | 0   | 0   | 0   | 0   | 0    | 2673  | 2673  |
| S     | 0   | 0   | 10  | 12  | 45   | 1532  | 1598  |
| SSW   | 0   | 0   | 32  | 39  | 183  | 1307  | 1560  |
| SW    | 0   | 0   | 0   | 15  | 108  | 822   | 944   |
| WSW   | 0   | 0   | 10  | 18  | 71   | 236   | 335   |
| W     | 0   | 82  | 15  | 8   | 17   | 76    | 197   |
| WNW   | 0   | 0   | 4   | 8   | 26   | 38    | 76    |
| NW    | 0   | 0   | 80  | 10  | 63   | 877   | 1030  |
| NNW   | 0   | 201 | 194 | 67  | 84   | 1467  | 2013  |
| TOTAL | 41  | 340 | 520 | 589 | 1006 | 29657 | 32153 |

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TABLE 2.2-4

(Sheet 7)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2020 POPULATION DISTRIBUTION  
WITHIN 10 MILES OF THE SITE

|       | 0-1 | 1-2 | 2-3 | 3-4 | 4-5  | 5-10  | TOTAL |
|-------|-----|-----|-----|-----|------|-------|-------|
| N     | 42  | 0   | 0   | 91  | 147  | 1475  | 1755  |
| NNE   | 0   | 14  | 25  | 170 | 60   | 1672  | 1940  |
| NE    | 0   | 4   | 25  | 49  | 136  | 5028  | 5241  |
| ENE   | 0   | 42  | 95  | 112 | 49   | 1930  | 2227  |
| E     | 0   | 0   | 25  | 7   | 35   | 1749  | 1816  |
| ESE   | 0   | 0   | 14  | 0   | 0    | 136   | 149   |
| SE    | 0   | 0   | 0   | 0   | 0    | 9452  | 9452  |
| SSE   | 0   | 0   | 0   | 0   | 0    | 2782  | 2782  |
| S     | 0   | 0   | 10  | 12  | 46   | 1574  | 1641  |
| SSW   | 0   | 0   | 33  | 40  | 186  | 1332  | 1591  |
| SW    | 0   | 0   | 0   | 15  | 110  | 838   | 963   |
| WSW   | 0   | 0   | 10  | 19  | 72   | 241   | 342   |
| W     | 0   | 83  | 15  | 8   | 17   | 78    | 201   |
| WNW   | 0   | 0   | 4   | 8   | 27   | 39    | 78    |
| NW    | 0   | 0   | 83  | 10  | 66   | 911   | 1070  |
| NNW   | 0   | 209 | 202 | 70  | 87   | 1524  | 2091  |
| TOTAL | 42  | 352 | 539 | 610 | 1036 | 30760 | 33339 |

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Table 2.2-5

(Sheet 1)

Historical Information

BROWNS FERRY  
1970 POPULATION DISTRIBUTION  
WITHIN 60 MILES OF THE SITE

|       | Total<br>Pop | 0-10   | 10-20  | 20-30   | 30-40   | 40-50   | 50-60   |
|-------|--------------|--------|--------|---------|---------|---------|---------|
| N     | 41,285       | 855    | 1,515  | 2,615   | 10,660  | 3,690   | 21,950  |
| NNE   | 13,500       | 1,055  | 2,990  | 2,230   | 3,125   | 3,420   | 680     |
| NE    | 47,980       | 4,335  | 14,180 | 6,625   | 5,385   | 12,625  | 4,830   |
| ENE   | 39,115       | 1,485  | 4,990  | 9,615   | 13,860  | 5,425   | 3,740   |
| E     | 159,800      | 1,025  | 1,910  | 73,405  | 75,125  | 4,610   | 3,725   |
| ESE   | 40,045       | 170    | 1,880  | 2,535   | 7,465   | 9,575   | 18,420  |
| SE    | 76,230       | 10,400 | 30,945 | 4,680   | 6,230   | 13,850  | 10,125  |
| SSE   | 60,505       | 1,680  | 6,250  | 11,630  | 15,175  | 18,945  | 6,825   |
| S     | 25,535       | 1,395  | 3,805  | 1,800   | 4,475   | 3,730   | 10,330  |
| SSW   | 21,100       | 1,155  | 5,895  | 1,270   | 1,490   | 2,535   | 8,755   |
| SW    | 23,825       | 830    | 2,970  | 2,280   | 2,725   | 10,675  | 4,345   |
| WSW   | 25,685       | 480    | 3,060  | 3,005   | 11,545  | 3,755   | 3,840   |
| W     | 53,150       | 685    | 2,960  | 6,830   | 35,070  | 4,785   | 2,820   |
| WNW   | 57,415       | 130    | 885    | 9,300   | 39,875  | 5,545   | 1,680   |
| NW    | 24,970       | 350    | 4,345  | 5,215   | 5,485   | 3,260   | 6,315   |
| NNW   | 26,670       | 710    | 2,090  | 2,440   | 12,350  | 7,360   | 1,720   |
| Total | 736,810      | 26,740 | 90,670 | 145,475 | 250,040 | 113,785 | 110,100 |

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Table 2.2-5

(Sheet 2)

Historical Information

BROWNS FERRY  
1980 POPULATION DISTRIBUTION  
WITHIN 60 MILES OF THE SITE

|       | Total<br>Pop. | 0-10   | 10-20   | 20-30   | 30-40   | 40-50   | 50-60   |
|-------|---------------|--------|---------|---------|---------|---------|---------|
| N     | 46,435        | 820    | 1,635   | 2,605   | 11,460  | 5,970   | 23,945  |
| NNE   | 12,515        | 1,010  | 3,900   | 2,385   | 3,255   | 1,265   | 700     |
| NE    | 55,670        | 5,175  | 17,740  | 8,065   | 6,440   | 13,330  | 4,920   |
| ENE   | 46,970        | 2,060  | 6,065   | 12,225  | 17,105  | 5,670   | 3,845   |
| E     | 168,185       | 1,435  | 2,145   | 77,390  | 77,680  | 4,735   | 4,800   |
| ESE   | 48,460        | 235    | 2,240   | 2,665   | 8,265   | 12,095  | 22,960  |
| SE    | 91,230        | 11,245 | 34,400  | 5,045   | 6,645   | 18,935  | 14,960  |
| SSE   | 71,140        | 2,520  | 9,925   | 12,855  | 18,595  | 22,305  | 4,940   |
| S     | 40,510        | 1,455  | 4,010   | 1,900   | 5,565   | 9,660   | 17,920  |
| SSW   | 23,055        | 1,220  | 6,145   | 1,305   | 1,840   | 2,700   | 9,865   |
| SW    | 23,075        | 860    | 3,140   | 2,265   | 3,150   | 8,760   | 4,900   |
| WSW   | 28,390        | 495    | 3,115   | 3,080   | 13,650  | 3,770   | 4,280   |
| W     | 59,880        | 685    | 2,940   | 7,750   | 40,615  | 4,985   | 2,905   |
| WNW   | 63,690        | 130    | 905     | 10,500  | 44,435  | 6,025   | 1,695   |
| NW    | 26,735        | 345    | 4,975   | 6,055   | 5,905   | 3,620   | 5,835   |
| NNW   | 32,100        | 685    | 2,290   | 2,475   | 15,260  | 8,155   | 3,235   |
| Total | 838,040       | 30,355 | 105,570 | 158,565 | 279,865 | 131,980 | 131,705 |

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TABLE 2.2-5

(Sheet 3)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
1986 60-MILE POPULATION DISTRIBUTION

|       | 0-10  | 10-20  | 20-30  | 30-40  | 40-50  | 50-60  | TOTAL  |
|-------|-------|--------|--------|--------|--------|--------|--------|
| N     | 1360  | 3050   | 3241   | 11152  | 4028   | 12052  | 34883  |
| NNE   | 1557  | 2680   | 4420   | 3714   | 4362   | 15419  | 32152  |
| NE    | 4430  | 13573  | 7600   | 7231   | 14001  | 4606   | 51441  |
| ENE   | 1854  | 10211  | 14149  | 16807  | 8139   | 5603   | 56763  |
| E     | 1462  | 2360   | 88100  | 75567  | 7899   | 8881   | 184269 |
| ESE   | 117   | 1972   | 4357   | 12995  | 11469  | 27572  | 58482  |
| SE    | 6960  | 31383  | 7856   | 8331   | 21430  | 10150  | 86110  |
| SSE   | 2314  | 18602  | 13747  | 21140  | 19700  | 10945  | 86448  |
| S     | 1502  | 5186   | 2493   | 6344   | 4899   | 13509  | 33933  |
| SSW   | 1666  | 6657   | 1134   | 2332   | 4429   | 9901   | 26119  |
| SW    | 812   | 5028   | 2456   | 2938   | 17158  | 4881   | 33273  |
| WSW   | 494   | 2761   | 2844   | 14925  | 2644   | 3306   | 26974  |
| W     | 285   | 4170   | 10452  | 31575  | 5607   | 1678   | 53767  |
| WNW   | 225   | 2190   | 7360   | 51760  | 6844   | 3313   | 71692  |
| NW    | 1187  | 4350   | 6957   | 6368   | 4204   | 5401   | 28467  |
| NNW   | 1635  | 2465   | 2819   | 15156  | 9731   | 4096   | 35902  |
| TOTAL | 27860 | 116638 | 179985 | 288335 | 146544 | 141313 | 900675 |

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TABLE 2.2-5

(Sheet 4)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
1990 60-MILE POPULATION DISTRIBUTION

|       | 0-10  | 10-20  | 20-30  | 30-40  | 40-50  | 50-60  | TOTAL  |
|-------|-------|--------|--------|--------|--------|--------|--------|
| N     | 1591  | 2887   | 3172   | 11844  | 4190   | 13165  | 36850  |
| NNE   | 1760  | 2756   | 4551   | 3827   | 4236   | 12820  | 29950  |
| NE    | 4753  | 13356  | 7431   | 7554   | 13972  | 4304   | 51370  |
| ENE   | 2019  | 9232   | 30963  | 18076  | 7866   | 5086   | 73243  |
| E     | 1647  | 15764  | 48934  | 90006  | 6583   | 9228   | 172161 |
| ESE   | 135   | 2466   | 5115   | 26482  | 11164  | 24667  | 70029  |
| SE    | 8435  | 22086  | 7344   | 8313   | 21440  | 13146  | 80764  |
| SSE   | 2483  | 30555  | 13272  | 21617  | 20244  | 12218  | 100389 |
| S     | 1592  | 4758   | 2533   | 6218   | 5550   | 18001  | 38652  |
| SSW   | 1606  | 6369   | 1160   | 2570   | 4703   | 10937  | 27346  |
| SW    | 971   | 5719   | 2470   | 3460   | 13138  | 4422   | 30179  |
| WSW   | 346   | 3461   | 2895   | 13472  | 4772   | 4570   | 29516  |
| W     | 203   | 3761   | 10877  | 29784  | 5845   | 2533   | 53003  |
| WNW   | 76    | 1970   | 7936   | 49335  | 5307   | 3493   | 68117  |
| NW    | 970   | 4145   | 7270   | 6059   | 4242   | 5044   | 27730  |
| NNW   | 1896  | 2332   | 2958   | 15381  | 10031  | 4023   | 36620  |
| TOTAL | 30483 | 131617 | 158882 | 313999 | 143281 | 147657 | 925919 |



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TABLE 2.2-5

(Sheet 5)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2000 60-MILE POPULATION DISTRIBUTION

|       | 0-10  | 10-20  | 20-30  | 30-40  | 40-50  | 50-60  | TOTAL  |
|-------|-------|--------|--------|--------|--------|--------|--------|
| N     | 1643  | 2981   | 3196   | 11933  | 4249   | 13976  | 37979  |
| NNE   | 1817  | 2846   | 4621   | 3882   | 4441   | 13730  | 31338  |
| NE    | 4908  | 13791  | 7681   | 7861   | 14539  | 4393   | 53173  |
| ENE   | 2085  | 9533   | 32224  | 18816  | 8182   | 5404   | 76244  |
| E     | 1701  | 16390  | 50939  | 93693  | 6788   | 9386   | 178897 |
| ESE   | 140   | 2549   | 5323   | 27594  | 11760  | 26153  | 73520  |
| SE    | 8777  | 22981  | 7642   | 8618   | 22346  | 13553  | 83916  |
| SSE   | 2584  | 31794  | 13802  | 22132  | 20718  | 12446  | 103475 |
| S     | 1587  | 4762   | 2610   | 6332   | 5658   | 18430  | 39380  |
| SSW   | 1570  | 6226   | 1143   | 2596   | 4756   | 11180  | 27470  |
| SW    | 949   | 5590   | 2414   | 3454   | 13338  | 4578   | 30324  |
| WSW   | 339   | 3383   | 2849   | 13329  | 4720   | 4584   | 29202  |
| W     | 198   | 3687   | 10801  | 29581  | 5813   | 2547   | 52627  |
| WNW   | 76    | 1960   | 7951   | 49491  | 5368   | 3570   | 68416  |
| NW    | 1002  | 4158   | 7301   | 6275   | 4530   | 5394   | 28659  |
| NNW   | 1957  | 2357   | 3051   | 16033  | 10460  | 4209   | 38068  |
| TOTAL | 31331 | 134988 | 163549 | 321621 | 147664 | 153533 | 952687 |

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TABLE 2.2-5

(Sheet 6)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2010 60-MILE POPULATION DISTRIBUTION

|       | 0-10  | 10-20  | 20-30  | 30-40  | 40-50  | 50-60  | TOTAL  |
|-------|-------|--------|--------|--------|--------|--------|--------|
| N     | 1690  | 3067   | 3213   | 11992  | 4292   | 14585  | 38838  |
| NNE   | 1869  | 2927   | 4679   | 3926   | 4613   | 14480  | 32494  |
| NE    | 5048  | 14186  | 7887   | 8121   | 15036  | 4473   | 54750  |
| ENE   | 2145  | 9806   | 33156  | 19367  | 8428   | 5646   | 78548  |
| E     | 1749  | 16865  | 52414  | 96405  | 6970   | 9577   | 183980 |
| ESE   | 144   | 2622   | 5498   | 28444  | 12246  | 27407  | 76362  |
| SE    | 9081  | 23776  | 7906   | 8910   | 23206  | 13954  | 86834  |
| SSE   | 2673  | 32894  | 14275  | 22774  | 21316  | 12728  | 106660 |
| S     | 1598  | 4808   | 2687   | 6488   | 5799   | 18872  | 40251  |
| SSW   | 1559  | 6185   | 1142   | 2641   | 4841   | 11430  | 27799  |
| SW    | 942   | 5554   | 2398   | 3481   | 13600  | 4726   | 30701  |
| WSW   | 336   | 3361   | 2848   | 13353  | 4724   | 4630   | 29252  |
| W     | 197   | 3676   | 10926  | 29930  | 5882   | 2582   | 53193  |
| WNW   | 76    | 1977   | 8059   | 50177  | 5472   | 3671   | 69433  |
| NW    | 1030  | 4215   | 7407   | 6465   | 4768   | 5683   | 29568  |
| NNW   | 2013  | 2398   | 3132   | 16556  | 10805  | 4328   | 39233  |
| TOTAL | 32152 | 138316 | 167628 | 329031 | 151997 | 158771 | 977895 |

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TABLE 2.2-5

(Sheet 7)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2020 60-MILE POPULATION DISTRIBUTION

|       | 0-10  | 10-20  | 20-30  | 30-40  | 40-50  | 50-60  | TOTAL   |
|-------|-------|--------|--------|--------|--------|--------|---------|
| N     | 1755  | 3184   | 3277   | 12228  | 4384   | 15115  | 39942   |
| NNE   | 1941  | 3039   | 4800   | 4012   | 4766   | 15065  | 33623   |
| NE    | 5241  | 14728  | 8165   | 8375   | 15482  | 4593   | 56585   |
| ENE   | 2227  | 10181  | 34388  | 20078  | 8721   | 5855   | 81449   |
| E     | 1816  | 17494  | 54360  | 99985  | 7220   | 9885   | 190758  |
| ESE   | 149   | 2723   | 5716   | 29533  | 12789  | 28730  | 79641   |
| SE    | 9452  | 24747  | 8229   | 9269   | 24197  | 14501  | 90395   |
| SSE   | 2782  | 34237  | 14856  | 23606  | 22094  | 13174  | 110750  |
| S     | 1640  | 4942   | 2788   | 6710   | 6000   | 19541  | 41621   |
| SSW   | 1590  | 6306   | 1168   | 2721   | 4990   | 11826  | 28601   |
| SW    | 961   | 5662   | 2445   | 3564   | 14036  | 4918   | 31587   |
| WSW   | 343   | 3426   | 2910   | 13618  | 4813   | 4748   | 29857   |
| W     | 201   | 3755   | 11242  | 30796  | 6054   | 2656   | 54703   |
| WNW   | 78    | 2032   | 8306   | 51728  | 5647   | 3787   | 71578   |
| NW    | 1070  | 4344   | 7635   | 6661   | 4948   | 5900   | 30559   |
| NNW   | 2090  | 2477   | 3222   | 17035  | 11119  | 4483   | 40426   |
| TOTAL | 33337 | 143277 | 173506 | 339920 | 157260 | 164776 | 1012076 |

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TABLE 2.2-6  
 Historical Information  
 BROWNS FERRY NUCLEAR PLANT  
 POPULATION DENSITY AT VARIOUS DISTANCES FROM THE SITE

| DISTANCE FROM REACTOR BUILDING (MILES) | LAND AREA (SQUARE MILES) | 1970       |                 | 1980               |         | 1986               |         | 1990               |         | 2000               |         | 2010               |         | 2020               |         |
|--|--------------------------|------------|-----------------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|---------|
|  |                          | POPULATION | AVERAGE DENSITY | AVERAGE POPULATION | DENSITY | AVERAGE POPULATION | DENSITY | AVERAGE POPULATION | DENSITY | AVERAGE POPULATION | DENSITY | AVERAGE POPULATION | DENSITY | AVERAGE POPULATION | DENSITY |
| 0-1                                    | 0.2                      | ---        | ---             | ---                | ---     | 34                 | 170.0   | 38                 | 190.0   | 40                 | 200.0   | 41                 | 205.0   | 42                 | 211.5   |
| 1-2                                    | 3.5                      | 40         | 11.4            | 45                 | 12.9    | 331                | 94.6    | 328                | 93.7    | 334                | 95.4    | 340                | 97.1    | 352                | 100.5   |
| 2-3                                    | 11.3                     | 375        | 33.2            | 420                | 37.2    | 476                | 42.1    | 496                | 43.9    | 508                | 45.0    | 520                | 46.0    | 539                | 47.7    |
| 3-4                                    | 16.8                     | 410        | 24.4            | 435                | 25.9    | 549                | 32.7    | 563                | 33.5    | 576                | 34.3    | 589                | 35.1    | 610                | 36.3    |
| 4-5                                    | 23.2                     | 1,000      | 43.1            | 1,045              | 45.0    | 1,111              | 47.9    | 987                | 42.5    | 993                | 42.8    | 1,006              | 43.4    | 1,036              | 44.6    |
| 0-5                                    | 55.0                     | 1,825      | 33.2            | 1,945              | 35.4    | 2,501              | 45.5    | 2,412              | 43.9    | 2,451              | 44.6    | 2,496              | 45.4    | 2,579              | 46.9    |
| 5-10                                   | 210.5                    | 24,915     | 118.4           | 28,410             | 135.0   | 25,359             | 120.5   | 28,073             | 133.4   | 28,881             | 137.2   | 29,657             | 140.9   | 30,760             | 146.1   |
| 0-10                                   | 265.5                    | 26,740     | 100.7           | 30,355             | 114.3   | 27,860             | 104.9   | 30,483             | 114.8   | 31,332             | 118.0   | 32,153             | 121.1   | 33,339             | 125.6   |
| 10-20                                  | 903.0                    | 90,670     | 100.4           | 105,570            | 116.9   | 116,638            | 129.2   | 131,617            | 145.8   | 134,988            | 149.5   | 138,316            | 153.2   | 143,277            | 158.7   |
| 20-30                                  | 1,560                    | 145,475    | 94.5            | 158,565            | 103.0   | 179,985            | 116.9   | 158,882            | 101.8   | 163,549            | 104.8   | 167,628            | 107.5   | 173,506            | 111.2   |
| 30-40                                  | 2,180                    | 250,040    | 114.7           | 279,865            | 128.4   | 288,335            | 132.3   | 313,999            | 144.0   | 321,621            | 147.5   | 329,031            | 150.9   | 339,920            | 155.9   |
| 40-50                                  | 2,790                    | 113,785    | 40.8            | 131,980            | 47.3    | 146,544            | 52.5    | 143,281            | 51.4    | 147,664            | 52.9    | 151,997            | 54.5    | 164,776            | 59.1    |
| 50-60                                  | 3,400                    | 110,100    | 32.4            | 131,705            | 38.7    | 141,313            | 41.6    | 147,657            | 43.4    | 153,533            | 45.2    | 158,771            | 46.7    | 157,260            | 46.3    |
| 0-60                                   | 11,078                   | 736,810    | 66.5            | 838,040            | 75.6    | 900,675            | 81.3    | 925,919            | 83.6    | 163,549            | 14.8    | 977,895            | 88.3    | 1,012,076          | 91.4    |

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TABLE 2.2-7

(Sheet 1)

Historical Information

1986 PEAK HOUR RECREATION VISITATION  
WITHIN 10 MILES OF THE SITE

|       | Mile(s) From Site |          |          |          |          |          |          |
|-------|-------------------|----------|----------|----------|----------|----------|----------|
|       | Total             | 0-1      | 1-2      | 2-3      | 3-4      | 4-5      | 5-10     |
| N     | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| NNE   | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| NE    | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| ENE   | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| E     | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| ESE   | 1,538             | 0        | 0        | 563      | 0        | 0        | 975      |
| SE    | 285               | 0        | 0        | 0        | 0        | 0        | 285      |
| SSE   | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| S     | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| SSW   | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| SW    | 0                 | 0        | 0        | 0        | 0        | 0        | 0        |
| WSW   | 568               | 0        | 0        | 568      | 0        | 0        | 0        |
| W     | 441               | 0        | 0        | 441      | 0        | 0        | 0        |
| WNW   | 305               | 0        | 0        | 0        | 0        | 0        | 305      |
| NW    | 922               | 0        | 0        | 0        | 0        | 0        | 922      |
| NNW   | <u>0</u>          | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| TOTAL | 4,059             | 0        | 0        | 1,572    | 0        | 0        | 2,487    |

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TABLE 2.2-7

(Sheet 2)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
1990 ESTIMATED PEAK HOUR RECREATION VISITATION  
WITHIN 10 MILES OF THE SITE

|       | Mile(s) From Site |     |     |       |     |     |       |
|-------|-------------------|-----|-----|-------|-----|-----|-------|
|       | Total             | 0-1 | 1-2 | 2-3   | 3-4 | 4-5 | 5-10  |
| N     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NNE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NE    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ENE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| E     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ESE   | 420               | 0   | 0   | 420   | 0   | 0   | 0     |
| SE    | 1,009             | 0   | 0   | 0     | 0   | 0   | 1,009 |
| SSE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| S     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SSW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SW    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| WSW   | 454               | 0   | 0   | 454   | 0   | 0   | 0     |
| W     | 353               | 0   | 0   | 353   | 0   | 0   | 0     |
| WNW   | 244               | 0   | 0   | 0     | 0   | 0   | 244   |
| NW    | 1,232             | 0   | 0   | 0     | 0   | 0   | 1,232 |
| NNW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| TOTAL | 3,712             | 0   | 0   | 1,227 | 0   | 0   | 2,485 |

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TABLE 2.2-7

(Sheet 3)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2000 ESTIMATED PEAK HOUR RECREATION VISITATION  
WITHIN 10 MILES OF THE SITE

|       | Mile(s) From Site |     |     |       |     |     |       |
|-------|-------------------|-----|-----|-------|-----|-----|-------|
|       | Total             | 0-1 | 1-2 | 2-3   | 3-4 | 4-5 | 5-10  |
| N     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NNE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NE    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ENE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| E     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ESE   | 432               | 0   | 0   | 432   | 0   | 0   | 0     |
| SE    | 1,038             | 0   | 0   | 0     | 0   | 0   | 1,038 |
| SSE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| S     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SSW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SW    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| WSW   | 467               | 0   | 0   | 467   | 0   | 0   | 0     |
| W     | 363               | 0   | 0   | 363   | 0   | 0   | 0     |
| WNW   | 251               | 0   | 0   | 0     | 0   | 0   | 251   |
| NW    | 1,267             | 0   | 0   | 0     | 0   | 0   | 1,267 |
| NNW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| TOTAL | 3,818             | 0   | 0   | 1,262 | 0   | 0   | 2,556 |

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TABLE 2.2-7

(Sheet 4)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2010 ESTIMATED PEAK HOUR RECREATION VISITATION  
WITHIN 10 MILES OF THE SITE

|       | Mile(s) From Site |     |     |       |     |     |       |
|-------|-------------------|-----|-----|-------|-----|-----|-------|
|       | Total             | 0-1 | 1-2 | 2-3   | 3-4 | 4-5 | 5-10  |
| N     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NNE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NE    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ENE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| E     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ESE   | 443               | 0   | 0   | 443   | 0   | 0   | 0     |
| SE    | 1,065             | 0   | 0   | 0     | 0   | 0   | 1,065 |
| SSE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| S     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SSW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SW    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| WSW   | 479               | 0   | 0   | 479   | 0   | 0   | 0     |
| W     | 372               | 0   | 0   | 372   | 0   | 0   | 0     |
| WNW   | 257               | 0   | 0   | 0     | 0   | 0   | 257   |
| NW    | 1,299             | 0   | 0   | 0     | 0   | 0   | 1,299 |
| NNW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| TOTAL | 3,915             | 0   | 0   | 1,294 | 0   | 0   | 2,621 |



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TABLE 2.2-7

(Sheet 5)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
2020 ESTIMATED PEAK HOUR RECREATION VISITATION  
WITHIN 10 MILES OF THE SITE

|       | Mile(s) From Site |     |     |       |     |     |       |
|-------|-------------------|-----|-----|-------|-----|-----|-------|
|       | Total             | 0-1 | 1-2 | 2-3   | 3-4 | 4-5 | 5-10  |
| N     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NNE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| NE    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ENE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| E     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| ESE   | 458               | 0   | 0   | 458   | 0   | 0   | 0     |
| SE    | 1,102             | 0   | 0   | 0     | 0   | 0   | 1,102 |
| SSE   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| S     | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SSW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| SW    | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| WSW   | 496               | 0   | 0   | 496   | 0   | 0   | 0     |
| W     | 385               | 0   | 0   | 385   | 0   | 0   | 0     |
| WNW   | 266               | 0   | 0   | 0     | 0   | 0   | 266   |
| NW    | 1,344             | 0   | 0   | 0     | 0   | 0   | 1,344 |
| NNW   | 0                 | 0   | 0   | 0     | 0   | 0   | 0     |
| TOTAL | 4,051             | 0   | 0   | 1,339 | 0   | 0   | 2,712 |

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TABLE 2.2-8  
 Historical Information  
 Browns Ferry Nuclear Plant  
 Listing of 1993 School Enrollments and Industrial  
 Employment Within Ten Miles of the Site

| <u>School</u>                           | <u>Distance from<br/>Site (Mi)</u> | <u>Enrollment</u>             |
|---|------------------------------------|-------------------------------|
| Alternative School <sup>1</sup>         | 8.4                                | 71                            |
| Clements High                           | 7.7                                | 963                           |
| Hubbard Elementary                      | 6.0                                | 237                           |
| James L. Cowart Elementary <sup>2</sup> | 9.8                                | 348                           |
| Leon Sheffield Elementary <sup>3</sup>  | 9.1                                | 272                           |
| Reid Elementary                         | 5.7                                | 147                           |
| Tanner High <sup>4</sup>                | 8.4                                | 775                           |
| Tennessee Valley School                 | 6.6                                | 122                           |
| West Decatur Elementary                 | 9.2                                | 261                           |
| West Lawn Elementary                    | 9.0                                | 203                           |
| West Morgan Elementary                  | 8.5                                | 950                           |
| <br>                                    |                                    |                               |
| <u>Industry</u>                         |                                    | <u>Employment<sup>5</sup></u> |
| American Fructose                       | 6.4                                | 200                           |
| Amoco                                   | 6.0                                | 450                           |
| Diakan                                  | 5.5                                | 100                           |
| Freuhauf                                | 7.4                                | 150                           |
| General Motors Plant                    | 10.0                               | 1,717                         |
| Hispan                                  | 5.5                                | 100                           |
| Monsanto                                | 7.4                                | 800                           |
| Polysar                                 | 7.7                                | 80                            |
| Prestolite                              | 7.4                                | 300                           |
| Steel Case Plant                        | 9.3                                | 375                           |
| 3M Plant                                | 5.5                                | 450                           |
| Whittaker                               | 7.5                                | 150                           |

- 
- 1 Formerly Tanner Primary facility.
  - 2 Name change - formerly West Athens Elementary.
  - 3 Name change - formerly Lakeview Elementary.
  - 4 Includes grades K-12.
  - 5 Day shift.

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TABLE 2.2-9

(Sheet 1)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
STATISTICAL DATA FOR NEARBY COUNTIES

|                                       | 1990 EMPLOYMENT BY COUNTY(1) |           |         |        |
|---------------------------------------|------------------------------|-----------|---------|--------|
|                                       | LAWRENCE                     | LIMESTONE | MADISON | MORGAN |
| TOTAL EMPLOYMENT                      | 10,488                       | 26,899    | 162,673 | 52,401 |
| WAGE AND SALARY                       | 8,138                        | 22,920    | 147,430 | 44,778 |
| PROPRIETORS                           | 2,350                        | 3,979     | 15,243  | 7,623  |
| FARM                                  | 1,232                        | 1,198     | 1,106   | 1,363  |
| NONFARM                               | 1,118                        | 2,781     | 14,137  | 6,260  |
| TOTAL EMPLOYMENT BY INDUSTRY:         |                              |           |         |        |
| FARM                                  | 1,492                        | 1,591     | 1,630   | 1,575  |
| NONFARM                               | 8,996                        | 25,308    | 161,043 | 50,826 |
| PRIVATE                               | 7,065                        | 17,402    | 123,082 | 43,353 |
| AG.SERV.,FOR.,FISH., AND OTHER        | 161                          | 165       | 708     | 321    |
| MINING                                | (D)                          | (L)       | 131     | 140    |
| CONSTRUCTION                          | 898                          | 1,461     | 7,252   | 4,329  |
| MANUFACTURING                         | 2,387                        | 6,923     | 34,270  | 13,666 |
| TRANSPORTATION AND PUBLIC UTILITIES   | 176                          | 371       | 3,705   | 1,803  |
| WHOLESALE TRADE                       | (D)                          | 670       | 5,268   | 1,929  |
| RETAIL TRADE                          | 1,020                        | 3,643     | 23,097  | 8,605  |
| FINANCE, INSURANCE, AND REAL ESTATE   | 157                          | 532       | 7,093   | 2,642  |
| SERVICES                              | 2,054                        | 3,634     | 41,558  | 9,918  |
| GOVERNMENT AND GOVERNMENT ENTERPRISES | 1,931                        | 7,906     | 37,961  | 7,473  |
| FEDERAL, CIVILIAN                     | 141                          | 3,861     | 17,211  | 310    |
| MILITARY                              | 316                          | 542       | 5,795   | 1,045  |
| STATE AND LOCAL                       | 1,474                        | 3,503     | 14,955  | 6,118  |

1. BY PLACE OF WORK

D - WITHHELD TO AVOID DISCLOSURE OF INFORMATION ABOUT INDIVIDUAL FIRMS

L - LESS THAN 10

SOURCE: U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS, TABLE CA25 FOR ALABAMA

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TABLE 2.2-9 (Continued)

(Sheet 2)

Historical Information

BROWNS FERRY NUCLEAR PLANT  
STATISTICAL DATA FOR NEARBY COUNTIES

|  | MORGAN     | MADISON    | LIMESTONE  | LAWRENCE   |
|--|------------|------------|------------|------------|
| <u>Agricultural Use--1987 1/</u>                             |            |            |            |            |
| Total farmland (acres)                                       | 159,757    | 235,478    | 223,190    | 188,365    |
| Number of farms  | 1,243      | 977        | 1,090      | 1,123      |
| Cropland harvested   | 44,763     | 112,625    | 101,416    | 77,593     |
| <u>Value of Products Sold -<br/>1987 (dollars) 2/</u>        |            |            |            |            |
| (All Farms)  |            |            |            |            |
| Crops, including nursery<br>and greenhouse crops             | 6,429,600  | 23,088,000 | 23,250,000 | 16,453,000 |
| Poultry and poultry<br>products                              | 27,676,000 | 5,271,000  | 993,000    | 27,328,000 |
| Dairy products   | 3,865,000  | 2,349,000  | 2,639,000  | 936,000    |
| Other livestock  | 8,878,000  | 11,356,000 | 9,333,000  | 15,577,000 |
| Total  | 46,848,600 | 42,064,000 | 36,215,000 | 60,294,000 |
| <u>Livestock and Poultry on<br/>Farms - 1987 (number) 1/</u> |            |            |            |            |
| Cattle and calves  | 35,979     | 25,471     | 25,636     | 27,776     |
| Milk cows  | 2,235      | 1,164      | 1,417      | 570        |
| Sheep and lambs  | (D)        | 207        | (D)        | 466        |
| Hogs and pigs  | 2,706      | 7,989      | 5,727      | 6,835      |
| Chickens (3 months old<br>and older)                         | 280,865    | (D)        | (D)        | 1,156,297  |

1/ Source = 1987 Census of Agriculture

2/ Source = Alabama Agricultural Statistics Service 1987

(D) - Withheld to avoid disclosing data for individual farms

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TABLE 2.2-10  
(Sheet 1)  
HAZARDOUS RIVER TRAFFIC THAT PASSES  
BROWNS FERRY NUCLEAR PLANT  
1983-1993 (TONS)  
U.S. Army Corps of Engineers Data

| CODE  | COMMODITY                          | 1983    | 1984    | 1985    | 1986     | 1987    | 1988    | 1989    | Old                   | New                   | 1991    | 1992    | 1993    |
|-------|------------------------------------|---------|---------|---------|----------|---------|---------|---------|-----------------------|-----------------------|---------|---------|---------|
|       |                                    |         |         |         |          |         |         |         | Commodity<br>Codes(1) | Commodity<br>Codes(1) |         |         |         |
|       |                                    |         |         |         |          |         |         |         | 1990                  | 1990                  |         |         |         |
| 2871  | Nitrogenous Fert.                  | 38,712  | 47,301  | 71,826  | 28,507   | 59,722  | 30,155  | 35,961  | 41,707                | NA                    | NA      | NA      | NA      |
| 56211 | Amon Nitrate Fert.                 | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 11,742                | 4,456   | 4,693   | 4,666   |
| 56216 | Urea Fert.                         | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 15,165                | 46,696  | 33,706  | 25,871  |
| 56219 | Min., Chem.<br>Fert., Nitrogenous  | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 14,800                | 16,903  | 6,917   | 13,216  |
| 2911  | Gasoline                           | 0       | 1,283   | 0       | 3,287(2) | 0       | 4,900   | 0       | 0                     | NA                    | NA      | NA      | NA      |
| 33411 | Gasoline                           | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 0                     | 0       | 0       | 0       |
| 2914  | Distillate Fuel Oil                | 25,545  | 0       | 0       | 7,374    | 29,037  | 3,385   | 8,054   | 16,746                | NA                    | NA      | NA      | NA      |
| 33419 | Oth Lt. Oils<br>From Petroleum     | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 16,746                | 74,983  | 7,249   | 0       |
| 2915  | Residual Fuel Oil                  | 113,737 | 147,018 | 153,938 | 329,305  | 295,813 | 332,553 | 292,931 | 230,255               | NA                    | NA      | NA      | NA      |
| 33440 | Fuel Oils, NEC                     | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 230,255               | 133,642 | 235,508 | 215,461 |
| 2917  | Naphtha                            | 38,295  | 63,870  | 79,690  | 110,349  | 115,263 | 128,011 | 143,450 | 87,586                | NA                    | NA      | NA      | NA      |
| 33429 | Oth Medium Oils                    | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 87,586                | 8,022   | 8,887   | 5,982   |
| 2811  | Crude Pds. from<br>Coal Tar, Petro | 94,594  | 46,241  | 175,255 | 105,100  | 98,894  | 222,789 | 167,272 | 335,539               | NA                    | NA      | NA      | NA      |
| 33521 | Tar                                | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 18,158                | 21,878  | 3,079   | 1,400   |
| 33525 | Oils & Other Prod<br>Dist of Coal  | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 8,626                 | 2,878   | 3,654   | 5,965   |
| 51124 | Xylene, Pure                       | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 245,962               | 137,597 | 190,582 | 276,854 |
| 51125 | Styrene                            | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 58,624                | 95,008  | 109,472 | 164,200 |
| 51127 | Cumene                             | NA      | NA      | NA      | NA       | NA      | NA      | NA      | NA                    | 0                     | 0       | 1,408   | 0       |

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TABLE 2.2-10  
(Sheet 2)  
HAZARDOUS RIVER TRAFFIC THAT PASSES  
BROWNS FERRY NUCLEAR PLANT  
1983-1993 (TONS)  
U.S. Army Corps of Engineers Data

| CODE  | COMMODITY                          | 1983    | 1984    | 1985    | 1986    | 1987      | 1988      | 1989      | Old       | New       | 1991      | 1992      | 1993      |
|-------|------------------------------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|       |                                    |         |         |         |         |           |           |           | Commodity | Commodity |           |           |           |
|       |                                    |         |         |         |         |           |           |           | Codes(1)  | Codes(1)  |           |           |           |
|       |                                    |         |         |         |         |           |           |           | 1990      | 1990      |           |           |           |
| 51133 | Tetreclorethlene                   | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 4169      | 1399      | 0         | 0         |
| 2813  | Alcohols                           | 0       | 0       | 0       | 1,400   | 33,780    | 24,173    | 22,352    | 16,478    | NA        | NA        | NA        | NA        |
| 51215 | Ethylalcohol                       | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 16,478    | 11,127    | 9,487     | 8,511     |
| 51216 | Ethyl Alcohol<br>Denatured         | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 0         | 5,563     | 0         | 0         |
| 2817  | Benzene & Toluene                  | 0       | 0       | 16,968  | 0       | 0         | 2,779     | 0         | 13,812    | NA        | NA        | NA        | NA        |
| 33522 | Benzole                            | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 12,412    | 42,220    | 0         | 6,128     |
| 51122 | Benzene                            | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 1,400     | 0         | 0         | 6,731     |
| 2819  | Basic Chemicals                    | 237,821 | 341,032 | 331,028 | 342,246 | 384,343   | 458,767   | 398,525   | 283,910   | NA        | NA        | NA        | NA        |
| 51372 | Esters of<br>Acetic Acid           | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 11,861    | 32,440    | 41,530    | 30,570    |
| 51483 | Acrylonitrile                      | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 211,094   | 302,644   | 330,668   | 349,172   |
| 51484 | Nitrile Function<br>Compounds, NEC | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 2,649     | 67,159    | 68,236    | 67,333    |
| 52210 | Carbon, NEC                        | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 0         | 0         | 2,869     | 2,947     |
| 52224 | Chlorine                           | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 46,200    | 34,100    | 38,500    | 36,300    |
| 52349 | Oth. Sulfates/ Alum                | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 9,406     | 3,265     | 1,423     | 1,756     |
| 52264 | Potass.Hydroxide                   | NA      | NA      | NA      | NA      | NA        | NA        | NA        | NA        | 2,700     | 0         | 0         | 0         |
|       | TOTAL                              | 548,704 | 646,745 | 828,705 | 927,568 | 1,016,852 | 1,207,512 | 1,068,545 | 1,026,033 | 1,026,033 | 1,041,980 | 1,097,868 | 1,223,063 |

(1) In 1990, more detailed and specific commodity codes became available. The double entries for that year indicate the commodities under both the old and new system.

(2) The actual product was RU250.

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Table 2.2-11

(Deleted by Amendment 12)