

Voluntary Reporting of Greenhouse Gases 2004

Table ES1. Reporting Indicators for the Voluntary Reporting of Greenhouse Gases Program, Data Years 1994-2004

| Indicator | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 ^(R) | 2004 |
|--|------|------|-------|-------|-------|-------|-------|-------|-------|---------------------|-------|
| Number of Entities Reporting | 108 | 142 | 150 | 162 | 207 | 207 | 236 | 232 | 234 | 234 | 226 |
| Number of Projects Reported | 634 | 960 | 1,040 | 1,288 | 1,549 | 1,722 | 2,089 | 1,897 | 2,055 | 2,222 | 2,154 |
| Number of Entity-Level Reports Received | 40 | 51 | 56 | 60 | 76 | 83 | 108 | 114 | 119 | 130 | 122 |
| Project-Level Reductions Reported (Million Metric Tons Carbon Dioxide Equivalent) | | | | | | | | | | | |
| Direct ^a | 63 | 88 | 90 | 95 | 148 | 155 | 211 | 247 | 265 | 270 | 277 |
| Modified Reference Case ^b | 59 | 76 | 75 | 88 | 127 | 126 | 176 | 209 | 257 | 262 | 277 |
| Basic Reference Case ^c | 4 | 13 | 15 | 7 | 21 | 29 | 35 | 38 | 8 | 7 | * |
| Indirect ^d | 5 | 52 | 53 | 38 | 43 | 57 | 62 | 72 | 80 | 81 | 92 |
| Modified Reference Case ^b | 5 | 52 | 51 | 36 | 38 | 51 | 57 | 61 | 78 | 75 | 85 |
| Basic Reference Case ^c | 0 | 1 | 3 | 2 | 5 | 6 | 5 | 11 | 2 | 6 | 6 |
| Sequestration ^e | 1 | 1 | 9 | 10 | 12 | 10 | 9 | 8 | 7 | 8 | 7 |
| Unspecified ^f | 4 | 6 | 6 | 9 | 19 | 13 | 12 | 15 | 17 | 16 | 14 |

^a"Direct" emission reductions are reductions in releases of greenhouse gases "on site." For the purpose of completing Form EIA-1605, "on site" is defined as any source owned (wholly or in part) or leased by the reporting entity.

^bIn a "modified reference case," actual emissions (or sequestration) are compared to an estimate of what emissions (or sequestration) would have been in the absence of the project.

^cIn a "basic reference case," actual emissions (or sequestration) are compared with an estimate of historical emissions (or sequestration) in a particular base year or an average of up to 4 years.

^d"Indirect" emission reductions are reductions in emissions from sources not owned or leased by the reporting entity but that occur, wholly or in part, as a result of the entity's activities (for example, an automobile manufacturer's investment in increased automotive fuel economy can result in decreased emissions from vehicles owned by individuals or managed fleets).

^e"Sequestration" is the fixation of atmospheric carbon dioxide in a carbon sink through biological or physical processes, such as photosynthesis.

^f"Unspecified" emission reductions represent quantities reported on the short form (Form EIA-1605EZ) for which the reporting entity did not specify whether the emission reduction or carbon sequestration was direct or indirect.

*Less than 0.5 million MTCO₂e. (R) = revised.

Notes: 2003 data have been revised to include reports that were submitted after the filing deadline. It is expected that the 2004 data will also be revised upward in next year's report with the inclusion of late 2004 reports. Totals for direct and indirect reductions may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Forms EIA-1605 and EIA-1605EZ.

Table ES2. Forms Filed by Standard Industrial Classification, Data Years 1994-2004 (Number of Reports)

| SIC Code | Description | Data Year | | | | | | | | | | |
|--|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------------|------------|
| | | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 ^(R) | 2004 |
| 01 | Agricultural Production: Crops | — | — | — | — | 1 | — | — | 1 | — | — | — |
| 08 | Forestry | 1 | 2 | 1 | 1 | 3 | 3 | 1 | — | 1 | 2 | 3 |
| 12 | Coal Mining | 1 | 2 | 2 | 1 | 4 | 4 | 4 | 6 | 7 | 4 | 4 |
| 13 | Oil and Gas Extraction | — | — | — | — | — | 1 | 1 | 1 | 2 | 2 | 1 |
| 14 | Nonmetallic Minerals, Except Fuels | — | — | — | — | 1 | 1 | — | — | — | — | — |
| 20 | Food and Kindred Products | — | — | — | — | 1 | 2 | 6 | 4 | 4 | 4 | 2 |
| 22 | Textile Mill Products | — | — | — | — | — | 1 | 5 | 11 | 12 | 14 | 14 |
| 23 | Apparel and Other Textile Products | — | — | — | — | — | — | 1 | 1 | 2 | 2 | 2 |
| 24 | Lumber and Wood Products | — | — | — | — | — | — | 1 | 1 | — | 1 | — |
| 25 | Furniture and Fixtures | — | — | — | — | — | — | 1 | 1 | 1 | — | — |
| 26 | Paper and Allied Products | — | — | — | — | — | 1 | 1 | — | — | — | — |
| 27 | Printing and Publishing | — | 1 | — | 1 | — | 1 | 1 | — | — | — | — |
| 28 | Chemical and Allied Products | 1 | 3 | 2 | 3 | 8 | 5 | 11 | 9 | 11 | 11 | 12 |
| 29 | Petroleum Refining and Other Related Industries | — | — | 2 | 3 | 8 | 8 | 7 | 6 | 6 | 5 | 5 |
| 30 | Rubber and Miscellaneous Plastic Products | — | — | — | — | — | — | 2 | 2 | 2 | 2 | 2 |
| 32 | Stone, Clay, Glass, and Concrete Products | — | — | 2 | 4 | 12 | 13 | 7 | 5 | 5 | 5 | 5 |
| 33 | Primary Metals Industries | 2 | 2 | 4 | 4 | 5 | 5 | 5 | 11 | 11 | 13 | 13 |
| 34 | Fabricated Metal Products, Except Machinery and Transportation Equipment | — | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 1 | 1 | 1 |
| 35 | Industrial and Commercial Equipment and Components | — | — | — | — | — | — | 1 | 1 | 1 | 2 | 2 |
| 36 | Electronic and Other Electrical Equipment | 1 | 1 | 2 | 4 | 4 | 4 | 9 | 9 | 8 | 6 | 5 |
| 37 | Transportation Equipment | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 7 | 9 | 10 | 10 |
| 38 | Instruments and Related Products | — | — | — | — | 2 | — | 1 | 1 | 1 | 1 | 1 |
| 39 | Miscellaneous Manufacturing Industries | — | 1 | 1 | — | 2 | 2 | 1 | 1 | 1 | 1 | — |
| 40 | Railroad Transportation | — | — | — | — | — | — | — | — | — | 1 | 1 |
| 48 | Communications | — | — | — | — | — | 1 | — | — | 1 | 1 | 1 |
| 49 | Electric, Gas, and Sanitary Services | 98 | 123 | 125 | 129 | 138 | 135 | 151 | 145 | 138 | 145 | 136 |
| 57 | Furniture and Home Furnishings Stores | — | — | — | — | 2 | 1 | 1 | — | 1 | 1 | 1 |
| 63 | Insurance Carriers | — | — | — | — | — | — | — | — | — | 1 | 1 |
| 65 | Real Estate | — | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | — | — |
| 67 | Holding and Other Investment Offices | — | — | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 72 | Personal Services | — | — | — | — | — | — | 1 | 1 | 1 | 1 | 1 |
| 80 | Health Services | — | — | — | — | 1 | — | — | — | — | — | — |
| 82 | Educational Services | 1 | 2 | 2 | 2 | — | 2 | — | — | — | — | — |
| 86 | Membership Organizations | — | — | — | 1 | 1 | 1 | 1 | — | 1 | — | — |
| 87 | Engineering and Management Services | — | — | 2 | 2 | 2 | 1 | — | 1 | — | — | — |
| 88 | Private Households | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 89 | Services Not Elsewhere Classified | — | — | — | 1 | 1 | 3 | 2 | 1 | 1 | 1 | — |
| 91 | Executive, Legislative, and General | — | — | — | — | 1 | 2 | 2 | 2 | 1 | 1 | — |
| 97 | National Security and International Affairs | — | — | — | — | — | — | 1 | — | — | — | — |
| 99 | Nonclassifiable Establishments | — | — | — | — | — | — | — | — | 1 | — | — |
| Total Number of Reporters | | 108 | 142 | 150 | 162 | 207 | 207 | 236 | 232 | 234 | 241^a | 226 |
| Number of 2-Digit SIC Codes Represented | | 9 | 13 | 16 | 18 | 24 | 27 | 31 | 27 | 29 | 28^a | 24 |

^aIncludes 7 late reports for the 2003 data year. The 2004 total will also be revised upward in next year's report with the inclusion of additional 2004 reports. As of February 17, 2006, EIA had received 5 late reports for 2004. In addition, Tucson Electric Company submitted a 2004 report by the deadline, which EIA inadvertently failed to process in time for inclusion in this report's database.

(R) = Revised.

Note: The Voluntary Reporting of Greenhouse Gases database was designed in 1994-1995, when the Standard Industrial Classification (SIC) system was still in use. For the 2006 data year reporting cycle (to be conducted in calendar year 2007), EIA plans to modify the database to use the North American Industry Classification System (NAICS), which was introduced in 1997 by the United States, Canada, and Mexico to provide comparability in statistics about business activity across North America.

Source: Energy Information Administration, Forms EIA-1605 and EIA-1605EZ.