

8. Project-Level Reporting on Form EIA-1605EZ

EIA provides Form EIA-1605EZ to participants in the Voluntary Reporting of Greenhouse Gases Program as a less comprehensive and less detailed alternative to Form EIA-1605. Form EIA-1605EZ (the “short form”) allows reporters to provide a brief summary of their emission reduction projects for a single year. The short form is used exclusively for reporting projects undertaken within the geographic boundaries of the United States, its territories, and its trusts. Because reports submitted on Form EIA-1605EZ do not make a distinction between owning or controlling an emissions source and simply initiating or participating in an emission reduction activity, there is no systematic way to distinguish between direct and indirect emissions reported on this form.

Who Reported on Form EIA-1605EZ

A total of 31 entities submitted reports on Form EIA-1605EZ for 2004. Of those, 16 were electric power providers, typically, relatively small electric power cooperatives; 7 were alternative energy providers, including 5 firms that combusted biomass to reduce greenhouse gas emissions; and 6 were manufacturing firms—1 each from the textile, refining, fabricated metals, and microprocessor industries, and 2 from the pharmaceutical industry. One individual household and a forestry firm also filed Form EIA-1605EZ for 2004.

What Was Reported on Form EIA-1605EZ

A total of 212 projects were reported on Form EIA-1605EZ for 2004 (Table 37), down from 226 projects reported on the short form for 2003. The decrease was primarily in landfill gas recovery projects, which dropped from 42 to 19 projects. U.S. Energy Biogas Corporation, which reported 36 projects in 2003, did not submit data for 2004. Of the remaining 193 projects reported for 2004, 101 focused on improvements in energy end-use efficiency, and 49 emphasized reductions in emissions from electric power generation, transmission, and distribution. Together, the 212 projects reported on the short form for 2004 reduced greenhouse gas emissions by 13.8 million MTCO₂e (Table 38). Of that total, 11.8 million MTCO₂e resulted from efforts in the electric power generation, transmission, and distribution sector (Table 39).

Federal voluntary programs played an important role in those projects reported on Form EIA-1605EZ. Of the projects reported, 102 (48 percent) were associated with some Federal voluntary initiative: 62 were associated with the DOE’s Climate Challenge program, and 18 were associated with the EPA’s ENERGY STAR Program (Table 40).

Table 37. Number of Projects Reported on Form EIA-1605EZ by Reduction Objective and Project Type, Data Years 1994-2004

Reduction Objective and Project Type	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ^(R)	2004
Reducing Carbon Dioxide Emissions	88	118	125	138	177	151	148	146	186	166	176
Electricity Generation, Transmission, and Distribution	35	44	44	46	59	53	55	50	58	52	49
Cogeneration and Waste Heat Recovery	0	1	2	2	2	0	0	0	1	0	0
Energy End Use	44	50	53	60	66	56	61	64	97	79	101
Transportation and Offroad Vehicles	5	8	11	9	14	11	12	13	9	10	9
Other Projects	4	15	15	21	36	31	20	19	21	25	17
Reducing Methane and Nitrous Oxide Emissions	15	21	30	32	41	45	44	47	51	44	20
Waste Treatment and Disposal (Methane)	10	16	21	28	39	42	43	45	49	42	19
Agriculture (Methane and Nitrous Oxide)	0	0	0	0	0	0	0	0	0	0	0
Oil and Natural Gas Systems and Coal Mining (Methane)	5	5	9	4	2	3	1	2	2	2	1
Carbon Sequestration	20	24	23	30	34	41	35	14	14	15	15
Halogenated Substances	2	1	1	1	0	0	2	3	2	1	1
Total	125	164	179	201	252	237	229	210	253	226	212

(R) = revised.

Note: Table excludes projects submitted in confidential reports.

Source: Energy Information Administration, Form EIA-1605EZ.

Table 38. Emission Reductions Reported on Form EIA-1605EZ by Reduction Objective and Project Type, Data Years 1994-2004
(Million Metric Tons Carbon Dioxide Equivalent)

Reduction Objective and Project Type	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ^(R)	2004
Reducing Carbon Dioxide Emissions	3.7	5.0	4.4	6.7	16.4	9.6	9.2	10.9	12.8	12.5	13.1
Electricity Generation, Transmission, and Distribution	2.3	2.9	2.1	3.8	13.0	8.1	7.8	9.7	11.6	11.1	11.8
Cogeneration and Waste Heat Recovery	—	*	*	*	*	—	—	—	*	—	—
Energy End Use	1.4	1.6	1.9	2.4	2.4	0.3	0.4	0.3	0.4	0.4	0.5
Transportation and Offroad Vehicles	*	*	*	*	*	*	*	*	*	*	*
Other Projects	0.1	0.5	0.4	0.5	0.8	1.1	1.0	0.9	0.9	1.0	0.8
Reducing Methane and Nitrous Oxide Emissions	0.6	1.2	1.3	1.8	3.0	3.2	3.1	4.0	4.3	3.9	0.6
Waste Treatment and Disposal (Methane)	0.6	1.1	1.2	1.8	3.0	3.2	3.1	3.8	4.0	3.5	0.3
Agriculture (Methane and Nitrous Oxide)	—	—	—	—	—	—	—	—	—	—	—
Oil and Natural Gas Systems and Coal Mining (Methane)	*	*	*	*	0.1	0.1	*	0.2	0.3	0.3	0.4
Carbon Sequestration	*	*	*	*	*	0.1	*	*	*	*	0.1
Halogenated Substances	—	—	—	0.1	—	—	*	*	0.1	*	—
Total	4.3	6.1	5.7	8.6	19.4	12.9	12.3	14.8	17.3	16.4	13.8

*Less than 0.05 million metric tons.

(R) = revised. — = none reported.

Note: Table excludes data submitted in confidential reports.

Source: Energy Information Administration, Form EIA-1605EZ.

Table 39. Carbon Dioxide and Methane Emission Reductions Reported on Form EIA-1605EZ by Reduction Objective and Project Type, Data Year 2004
(Million Metric Tons Carbon Dioxide Equivalent)

Reduction Objective and Project Type	Carbon Dioxide	Methane
Reducing Carbon Dioxide Emissions	13.0	*
Electricity Generation, Transmission, and Distribution	11.8	—
Cogeneration and Waste Heat Recovery	—	—
Energy End Use	0.5	*
Transportation and Offroad Vehicles	*	—
Other Projects	0.8	*
Reducing Methane and Nitrous Oxide Emissions	0.1	0.6
Waste Treatment and Disposal (Methane)	0.1	0.2
Agriculture (Methane and Nitrous Oxide)	—	—
Oil and Natural Gas Systems and Coal Mining (Methane)	—	0.4
Carbon Sequestration	0.1	—
Halogenated Substances	—	—
Total	13.2	0.6

*Less than 0.05 million metric tons.

— = none reported.

Notes: Table excludes data submitted in confidential reports.

Source: Energy Information Administration, Form EIA-1605EZ.

Table 40. Number of Projects Reported on Form EIA-1605EZ Associated with Other Federal Voluntary Programs, Data Years 1994-2004

Voluntary Program	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 ^(R)	2004
Climate Challenge	106	127	117	124	129	114	111	97	75	63	62
Landfill Methane Outreach Program	—	—	2	2	34	40	42	44	48	41	5
Climate Wise Recognition Program	—	3	5	12	25	25	12	1	1	2	0
ENERGY STAR Programs	5	6	10	5	2	1	2	8	28	11	16
Energy Efficiency and Renewable Energy Information and Training Programs	—	—	—	—	—	—	—	—	27	1	1
Green Lights Program	1	3	6	4	6	2	1	1	1	—	—
Coalbed Methane Outreach Program	—	—	1	1	2	3	—	—	—	—	—
WasteWise Program	—	—	—	—	—	—	—	2	4	3	3
Sulfur Hexafluoride Emissions Reduction Partnership	—	—	—	—	—	—	1	2	1	2	1
Other	4	11	3	9	7	1	3	11	7	4	14
Total	116	150	144	157	205	186	172	166	192	127	102

(R) = revised. — = none reported.

Note: Table excludes data submitted in confidential reports.

Source: Energy Information Administration, Form EIA-1605EZ.

