Everyone who receives a form must complete and return one by mail or via the Internet at http://agcounts.usda.gov. Your report is due by May 24, 2010. To fill out the paper form, use a black or blue ballpoint pen. Duplicate forms? If you received extra report forms for the same farming operation, return all report forms in the same envelope with this completed report.

Questions? Call us toll-free at 1-888-424-7828. Thank you for your cooperation.

Did this operation produce any electricity, energy or fuel using wind, solar, methane, or any other renewable energy production devices during 2009? Include any on-farm renewable energy produced on land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization named on the label above.

a. Mark all other forms of energy or electricity produced or generated on this operation in 2009.

1. Were other forms of energy or electricity produced or generated on this operation in 2009?
   1. Yes – Continue
   2. No – Go to question 2

   a. Mark all other forms of energy or electricity produced or generated on this operation in 2009.

   Biodiesel
   Hydroelectric
   Ethanol
   Mechanical (windmills, water wheels, etc.)
   Other – Specify

2. Was any electricity produced on this operation in 2009 sold onto the grid?
   1. Yes – Continue
   2. No – Go to question 3

   a. How many kilowatt hours were sold onto the grid in 2009?

   b. What was the total payment received for electricity sold onto the grid in 2009?

3. What is your estimate of the amount saved on your 2009 utility bills by producing and using renewable energy?

4. Did you have an energy audit performed?
   1. Yes
   2. No

5. Did you receive any federal funding (grants, loans, etc.) for the installation of your on-farm renewable energy devices?
   1. Yes
   2. No

Thank you for your response

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0557-0092. The time required to complete this information collection is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.
3. When were the wind turbines reported in question 2 installed?
   a. prior to year 2000? .......................................................... 230
   b. years 2000 – 2004? .......................................................... 231

4. What was the total cost (the initial or start-up investment) for all wind turbines
   reported in question 2? Include outside funding. ..........................
   a. Of this total cost, how much was received from outside funding? Include federal, state, local, and private funding. Exclude loans. .................................................. 250

SECTION 3 SOLAR PANELS

1. Did this operation own any photovoltaic or thermal solar panels in 2009?
   301 □ Yes – Continue  □ No – Go to question 6 below
2. Were any of these solar panels photovoltaic? Include solar panels used to generate electricity to power buildings, pump water, etc.
   310 □ Yes – Continue  □ No – Go to question 3
   a. What was the total maximum power rating of these
      photovoltaic solar panels? ............................................ 311
   b. watts  □ or □ kilowatts .............................................. 312

3. Were any thermal solar panels used for heating buildings or water on this operation in 2009?
   330 □ Yes  □ No

4. When were the photovoltaic or thermal solar panels reported in questions 2 and 3
   installed?
   a. prior to year 2000? .......................................................... 341
   b. years 2000 – 2004? .......................................................... 342
   c. years 2005 – 2009? .......................................................... 343

5. What was the total cost (the initial or start-up investment) for the photovoltaic or
   thermal solar panels reported in questions 2 and 3? Include outside funding. ............................................. 350
   a. Of this total cost, how much was received from outside funding? Include federal, state, local, and private funding. Exclude loans. .................................................. 351

6. Did this operation own any other solar powered devices not included above in 2009?
   330 □ Yes – Continue  □ No – Go to SECTION 4
   a. Mark all other solar powered devices on this operation in 2009.
      331 □ fence chargers
      332 □ solar lights
      334 □ other – Specify

SECTION 4 MANURE/METHANE DIGESTERS

1. Did this operation own any manure/methane digesters in 2009?
   401 □ Yes – Complete this section  □ No – Go to SECTION 5
2. How many manure/methane digesters did this operation own? ..............................
   a. How much methane was produced by these digesters in 2009? ...................... 420
   b. years 2000 – 2004? .......................................................... 431
   c. years 2005 – 2009? .......................................................... 432

3. Was any of the methane produced used to generate electricity in 2009?
   430 □ Yes  □ No
   a. What was the total payment received from sales to the pipeline in 2009? 441
   b. What was any of the methane produced used for any other purpose in 2009? Include heat, heating water, flaring, etc. 440
   c. Did this operation own any other solar powered devices not included above in 2009?
      440 □ Yes – Specify

4. When were the methane digesters reported in question 2 installed?
   a. prior to year 2000? .......................................................... 451
   b. years 2000 – 2004? .......................................................... 452
   c. years 2005 – 2009? .......................................................... 453

5. What was the total cost (the initial or start-up investment) for all digester systems
   reported in question 2? Include outside funding. ............................................. 460
   a. Of this total cost, how much was received from outside funding? Include federal, state, local, and private funding. Exclude loans. .................................................. 461

6. Were there any sales to a natural gas pipeline in 2009? 450
   a. □ Yes – Continue  □ No – Go to question 5

7. What was the total payment received from sales to the pipeline in 2009? 461
   a. □ Yes  □ No
   b. □ Yes – Specify
   c. □ No

8. When were the methane digesters reported in question 2 installed?
   a. prior to year 2000? .......................................................... 471
   b. years 2000 – 2004? .......................................................... 472
   c. years 2005 – 2009? .......................................................... 473

9. What was the total cost (the initial or start-up investment) for all digester systems
   reported in question 2? Include outside funding. ............................................. 480
   a. Of this total cost, how much was received from outside funding? Include federal, state, local, and private funding. Exclude loans. .................................................. 481
### SECTION 3  SOLAR PANELS

1. **Did this operation own any photovoltaic or thermal solar panels in 2009?**
   - Yes – Continue
   - No – Go to question 6 below

2. Were any of these solar panels **photovoltaic**? Include solar panels used to generate electricity to power buildings, pump water, etc.
   - Yes – Continue
   - No – Go to question 3

3. Were any **thermal** solar panels used for heating buildings or water on this operation in 2009?
   - Yes
   - No

4. When were the photovoltaic or thermal solar panels reported in questions 2 and 3 installed?
   - Prior to year 2000?
   - Years 2000 – 2004?
   - Years 2005 – 2009?

5. What was the total cost (the initial or start-up investment) for all photovoltaic or thermal solar panels reported in questions 2 and 3? Include outside funding.
   - Dollars
   - $ 0.00

6. Did this operation own any other solar powered devices not included above in 2009?
   - Yes – Continue
   - No – Go to SECTION 4

   - Mark all other solar powered devices on this operation in 2009.
     - Fence chargers
     - Solar lights
     - Other – Specify

### SECTION 4  MANURE/METHANE DIGESTERS

1. **Did this operation own any manure/methane digesters in 2009?**
   - Yes – Complete this section
   - No – Go to SECTION 5

2. **How many manure/methane digesters did this operation own?**

3. **Was any of the methane produced used to generate electricity in 2009?**
   - Yes
   - No

4. Were there any sales to a natural gas pipeline in 2009?
   - Yes – Continue
   - No – Go to question 5

5. Was the methane produced used for any other purpose in 2009? Include heat, heating water, flaring, etc.
   - Yes – Specify
   - No

6. **When were the methane digesters reported in question 2 installed?**
   - Prior to year 2000?
   - Years 2000 – 2004?
   - Years 2005 – 2009?

7. What was the total cost (the initial or start-up investment) for all digester systems reported in question 2? Include outside funding.
   - Dollars
   - $ 0.00

8. **How much methane was produced by these digesters in 2009?**

9. **Was any of the methane produced used to generate electricity in 2009?**
   - Yes
   - No

10. **Were there any sales to a natural gas pipeline in 2009?**
    - Yes – Continue
    - No – Go to question 5

11. **Was the methane produced used for any other purpose in 2009?** Include heat, heating water, flaring, etc.
    - Yes – Specify
    - No
2009 ON-FARM RENEWABLE ENERGY PRODUCTION SURVEY

Form Number: 09-A629
(04/15/10) Draft 6

Please return your completed report to:
Census of Agriculture
1201 East 10th Street
Jeffersonville, IN 47132

OFFICE USE ONLY

Please make corrections to name, address, and ZIP code if necessary.

Name
Phone
Date MM DD YYYY

Thank you for your response

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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0250. The time required to complete this information collection is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

SECTION 1  INTRODUCTION

1. Did this operation produce any electricity, energy or fuel using wind, solar, methane, or any other renewable energy production devices during 2009? Include any on-farm renewable energy produced on land owned, rented, or used by you, your spouse, or by the partnership, corporation, or organization named on the label above.

a. What was the rated generating capacity of all turbines reported in question 1?

2. Did this operation own any wind turbines that generated electricity during 2009? Exclude turbines on this operation under a wind rights lease agreement.

3. What is your estimate of the amount saved on your 2009 utility bills by producing and using renewable energy?

4. Did you have an energy audit performed?

5. Did you receive any federal funding (grants, loans, etc.) for the installation of your on-farm renewable energy devices?

SECTION 2  WIND TURBINES

1. Did this operation own any wind turbines that generated electricity during 2009? Exclude turbines on this operation under a wind rights lease agreement.

a. What was the rated generating capacity of all turbines reported in question 2?

2. How many wind turbines were owned and used on this operation in 2009?

Kilowatt Hours

Average per Kilowatt Hour (Cents)

Total Dollars

Dollars