

# 2009 ON-FARM RENEWABLE ENERGY PRODUCTION SURVEY

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



09-A629



National Agricultural  
Statistics Service

Please return your  
completed report to:

Census of Agriculture  
1201 East 10th Street  
Jeffersonville, IN 47132

**OFFICE USE ONLY**

|      |      |      |
|------|------|------|
| 0010 | 0011 | 0016 |
|      |      |      |

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

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.

**NOTICE:** Response to this inquiry is required by law (Title 7, U.S. Code). By the same law and the Confidential Information Protection and Statistical Efficiency Act of 2002 (Public Law 107-347), YOUR REPORT IS CONFIDENTIAL and it will only be used for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

## 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.

101 1  **Yes** – Continue                      3  **No** – Go to SECTION 6

## 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.

201 1  **Yes** – Complete this section    3  **No** – Go to SECTION 3

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

| Number |
|--------|
| 210    |

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

| Average per Turbine<br>(Kilowatt hr) |
|--------------------------------------|
| 220                                  |

**OR**

| Total for All Turbines<br>(Kilowatt hr) |
|---|
| 221                                     |



3. When were the wind turbines reported in question 2 installed?

- a. prior to year 2000? .....
- b. years 2000 – 2004? .....
- c. years 2005 – 2009? .....

| Number of Turbines |  |
|--------------------|--|
| 230                |  |
| 231                |  |
| 232                |  |

4. What was the total cost (the initial or start-up investment) for all wind turbines reported in question 2? **Include** outside funding. ....

| Dollars |     |
|---------|-----|
| 250     |     |
| \$      | .00 |

- a. Of this total cost, how much was received from outside funding? **Include** federal, state, local, and private funding. **Exclude** loans. ....

| Dollars |     |
|---------|-----|
| 251     |     |
| \$      | .00 |

**SECTION 3 SOLAR PANELS**

1. Did this operation own any photovoltaic or thermal solar panels in 2009?

- <sup>301</sup> 1  **Yes** – Continue                      <sup>3</sup>  **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.

- <sup>310</sup> 1  **Yes** – Continue                      <sup>3</sup>  **No** – Go to question 3

a. What was the total maximum power rating of these photovoltaic solar panels? .....

| Watts | OR | Kilowatts |
|-------|----|-----------|
| 311   |    | 312       |

3. Were any **thermal** solar panels used for heating buildings or water on this operation in 2009?

- <sup>320</sup> 1  **Yes**                      <sup>3</sup>  **No**

4. When were the photovoltaic or thermal solar panels reported in questions 2 and 3 installed?

- a. prior to year 2000? .....
- b. years 2000 – 2004? .....
- c. years 2005 – 2009? .....

| Number of Solar Panels |  |
|------------------------|--|
| 341                    |  |
| 342                    |  |
| 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. ....

| Dollars |     |
|---------|-----|
| 350     |     |
| \$      | .00 |

- a. Of this total cost, how much was received from outside funding? **Include** federal, state, local, and private funding. **Exclude** loans. ....

| Dollars |     |
|---------|-----|
| 351     |     |
| \$      | .00 |

6. Did this operation own any **other** solar powered devices not included above in 2009?

- <sup>330</sup> 1  **Yes** – Continue                      <sup>3</sup>  **No** – Go to SECTION 4

a. Mark all other solar powered devices on this operation in 2009.

<sup>331</sup>  fence chargers

<sup>332</sup>  solar lights

<sup>334</sup>  other – Specify

**SECTION 4 MANURE/METHANE DIGESTERS**

1. Did this operation own any manure/methane digesters in 2009?  
 401 1  **Yes** – Complete this section 3  **No** – Go to SECTION 5

| Number |
|--------|
| 410    |

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

| Cubic Feet |
|------------|
| 411        |

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

3. Was any of the methane produced used to generate electricity in 2009?

420 1  **Yes** 3  **No**

4. Were there any sales to a natural gas pipeline in 2009?

430 1  **Yes** – Continue 3  **No** – Go to question 5

| Dollars       |
|---------------|
| 431<br>\$ .00 |

a. What was the total payment received from sales to the pipeline in 2009? . . . . .

5. Was the methane produced used for any other purpose in 2009? **Include** heat, heating water, flaring, etc.

440 1  **Yes** – Specify   
 3  **No**

6. When were the methane digesters reported in question 2 installed?

| Number of Methane Digesters |
|-----------------------------|
| 451                         |
| 452                         |
| 453                         |

- a. prior to year 2000? . . . . .
- b. years 2000 – 2004? . . . . .
- c. 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       |
|---------------|
| 460<br>\$ .00 |

a. Of this total cost, how much was received from outside funding? **Include** federal, state, local, and private funding. **Exclude** loans. . . . .

| Dollars       |
|---------------|
| 461<br>\$ .00 |

**SECTION 5 OTHER INFORMATION**

1. Were other forms of energy or electricity produced or generated on this operation in 2009?

501 1  **Yes** – Continue                      3  **No** – Go to question 2

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

511  Biodiesel

514  Hydroelectric

512  Ethanol

515  Mechanical (windmills, water wheels, etc.)

513  Geothermal

516  Other – Specify

2. Was any electricity produced on this operation in 2009 sold onto the grid?

520 1  **Yes** – Continue                      3  **No** – Go to question 3

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

| Kilowatt Hours |       |
|----------------|-------|
| 521            | _____ |

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

| Average per Kilowatt Hour (Cents) |
|-----------------------------------|
| 522                               |
| _____ ¢                           |

**OR**

| Total Dollars |           |
|---------------|-----------|
| 523           | _____     |
| \$            | _____ .00 |

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

| Dollars |           |
|---------|-----------|
| 524     | _____     |
| \$      | _____ .00 |

4. Did you have an energy audit performed?

530 1  **Yes**                      3  **No**

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

531 1  **Yes**                      3  **No**

**SECTION 6 CONCLUSION**

COMMENTS

Name

Phone

Date MM DD YYYY

**Thank you for your response**

| Response   | Respondent | Mode  | R Unit | Enum.  | Eval. | Office Use for POID |      |      |     |
|--|------------|---|--------|--|-------|---------------------|------|------|-----|
| 1-Comp<br>2-R<br>3-Inac<br>4-Office Hold<br>5-R - Est<br>6-Inac -Est<br>7-Off Hold - Est<br>8-Known Zero | 9901       | 1-Op/Mgr<br>2-Sp<br>3-Acct/Bkpr<br>4-Partner<br>9-Oth | 9902   | 1-Mail<br>2-Tel<br>3-Face-to-Face<br>4-CATI<br>5-Web<br>6-e-mail<br>7-Fax<br>8-CAP<br>19-Other | 9903  | 921                 | 0098 | 0100 | 789 |
| <div style="border: 1px solid black; height: 20px; width: 100%;"></div>                                  |            |   |        |  |       |                     |      |      |     |

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