

2009 ON-FARM RENEWABLE ENERGY PRODUCTION SURVEY

Form Number: 09-A629
(09/10/08)



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**.

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 Yes - Continue 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 Yes - Complete this section 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 above? . . .

	Average per Turbine (Kilowatt hr)	OR	Total for All Turbines (Kilowatt hr)
	220 .__		221 .__

<p>3. When were the wind turbines, reported in question 2, installed?</p> <p>a. prior to year 2000?</p> <p>b. years 2000 – 2004?</p> <p>c. years 2005 – 2009?</p>	<p>Number of Turbines</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">230</td></tr> <tr><td style="text-align: center;">231</td></tr> <tr><td style="text-align: center;">232</td></tr> </table>	230	231	232
230				
231				
232				
<p>4. What was the total cost (the initial or start-up investment) for all wind turbines reported in question 2? Include outside funding.</p>	<p>Dollars</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">250 \$</td></tr> </table>	250 \$		
250 \$				
<p>a. Of this total, how much was received from outside funding? Include federal, state, local, and private funding; exclude loans.....</p>	<p>Dollars</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">251 \$</td></tr> </table>	251 \$		
251 \$				

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

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

	Watts	OR	Kilowatts
a. What was the total maximum power rating of these photovoltaic solar panels?	311		312

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

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

<p>a. prior to year 2000?</p> <p>b. years 2000 – 2004?</p> <p>c. years 2005 – 2009?</p>	<p>Number of Solar Panels</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">341</td></tr> <tr><td style="text-align: center;">342</td></tr> <tr><td style="text-align: center;">343</td></tr> </table>	341	342	343
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 \$	
<p>a. Of this total, how much was received from outside funding? Include federal, state, local, and private funding; exclude loans.</p>	<p>Dollars</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">351 \$</td></tr> </table>	351 \$
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. Report all other solar powered devices on this operation in 2009.

331	<input type="checkbox"/> fence chargers
332	<input type="checkbox"/> solar lights
334	<input type="checkbox"/> 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

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 **Yes** **No**

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

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

Dollars
431
\$

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 **Yes**, Specify _____ **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?

Dollars
460
\$

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

Dollars
461
\$

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

SECTION 5 OTHER INFORMATION

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

501 **Yes** - Continue **No** - Go to question 2

a. Report 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 **Yes** - Continue **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

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

Dollars
524
\$

4. Did you have an energy audit performed?

530 **Yes** **No**

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

531 **Yes** **No**

SECTION 6 CONCLUSION

1. COMMENTS

Respondent Name: _____ Phone: _____

9910	MM	DD	YYYY
Date:	__	__	__

Office Use for POID
789

Thank you for your response

For Office Use Only								
Response	9901	Respondent	9902	Mode	9903	R Unit	Enum.	Eval.
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est 8-Known Zero		1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth		1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other		921	0098	0100

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