



**United States  
Department of  
Agriculture**

**USDA Rural Development in Iowa  
Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program  
11.14.2024  
IOWA: Grant: \$18,367,170  
GRAND TOTAL: \$18,367,170**

State	Senators	Representatives	Program	Recipient	Loan	Grant	Project Description
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Brown's Sales and Leasing Inc.		\$99,999	This Rural Development investment will be used to help Brown's Sales and Leasing Inc., doing business as an automobile dealership, install a 104.96 kilowatt (kW) solar array in Guttenberg in Clayton County. This project will generate 105,636 kilowatt hours (kWh) per year, amounting to \$16,404.00 per year. This is enough electricity to power 10 homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	RG Construction LLC		\$22,592	This Rural Development investment will be used to help RG Construction LLC install a 14.26 kilowatt (kW) solar array at its industrial building construction operation in Ottumwa in Wapello County. This project will realize \$2,721 per year in savings and will replace 15,274 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hora Fairview Farms Corp		\$26,493	This Rural Development investment will be used to help Hora Fairview Farms Corporation, a grain production farm operation near Riverside in Washington County, install a new energy-efficient grain drying system. This project is expected to save \$6,172 per year. The project will save 98,281 kilowatt hours (kWh) per year, which is enough energy to power nine homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Marzen Family Farms LLC		\$33,800	This Rural Development investment will be used to help Marzen Family Farms LLC install a 29.4 kilowatt (kW) solar array at its corn production farm operation near Stacyville in Mitchell County. This project will realize \$6,832 per year in savings and will replace 43,308 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Quest 6 LLC		\$182,335	This Rural Development investment will be used to help Quest 6 LLC install a 161.2 kilowatt (kW) solar array at its commercial car wash operation in Clinton in Clinton County. This project is expected to generate 187,212 kilowatt hours (kWh) of energy worth \$32,542 per year, which is enough energy to power 17 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	McCullough Mark		\$89,839	This Rural Development investment will be used to help Mark McCullough install a 108.42 kilowatt (kW) solar array at his corn production farm operation near Bernard in Dubuque County. This project will realize \$19,673 per year in savings and will replace 135,149 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power 12 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Jargo Ryan		\$164,467	This Rural Development investment will be used to help Ryan Jargo, a grain farm operation owner near Clinton in Clinton County, install a new grain drying system. This project is expected to save \$21,361 per year. It will save 345,555 kilowatt hours (kWh) per year, which is enough energy to power 31 homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Clefisch Brothers Pork LLC		\$66,112	This Rural Development investment will be used to help Clefish Brothers Pork LLC install a 61.5 kilowatt (kW) solar array at its hog and pig production farm operation in Garnavillo in Clayton County. This project will realize \$9,890 per year in savings and will generate and replace 76,533 kilowatt hours (kWh) per year (61 percent of previous business use), which is enough electricity to power seven homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Nabb Jamie		\$14,346	This Rural Development investment will be used to help Jamie Nabb install a 19.68 kilowatt (kW) solar array at his cattle production feedlot operation in Lowden in Cedar County. This project will realize \$2,447 per year in savings and will replace 23,344 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Mill Pond Development LLC		\$59,000	This Rural Development investment will be used to help Mill Pond Development LLC, an agricultural production operation, install a 15 kilowatt (kW) Wind Turbine near Rock Rapids in Lyon County. This project will realize \$3,796.00 per year in savings and will replace 36,495 kilowatt hours (kWh) per year (65 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Heilskov Scott		\$99,168	This Rural Development investment will be used to help Scott Heilskov, a grain production farm operation owner in Latimer in Franklin County, install a new energy efficient grain drying system. This project is expected to save \$16,763 per year. It will save 244,373 kilowatt hours (kWh) per year, which is enough energy to power 22 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bootheel Pork LLC		\$58,500	This Rural Development investment will be used to help Bootheel Pork LLC install a 45 kilowatt (kW) solar array at its hog and pig production farm operation located near Conesville in Muscatine County. This project will realize \$6,855 per year in savings and will replace 64,273 kilowatt hours (kWh) per year (100 percent of previous usage), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Berns Paul		\$63,492	This Rural Development investment will be used to help Paul Berns install a 57.4 kilowatt (kW) solar array at his hog and pig production farm operation located near Elkader in Clayton County. This project is expected to generate 60,462 kilowatt hours (kWh) (75 percent of energy usage) per year, which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	MinnTex Citrus Inc.		\$57,500	This Rural Development investment will be used to help MinnTex Citrus Inc. install a 50 kilowatt (kW) solar array at its fresh fruit and vegetable wholesale operation in Monticello, in Jones County, Iowa. This project will realize \$8,105 per year in savings and will replace 54,054 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power five homes.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Popkes Greg		\$295,000	This Rural Development investment will be used to help Greg Popkes install 75 kilowatt (kW) wind turbines at his two hog and pig production farm operations located near Rock Rapids in Lyon County, at his hog and pig production farm operation near George in Lyon County, and at his hog and pig production farm operation located near Sioux Center in Sioux County, all in Iowa. This project is expected to save \$18,842 per year. It will replace 180,575 kilowatt hours (kWh) per year (55 percent of previous business use), which is enough electricity to power 16 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Winneshiek Wildberry Winery		\$35,662	This Rural Development investment will be used to help Winneshiek Wildberry Winery LLC install a 42 kilowatt (kW) solar array at its winery in Decorah, Iowa. This project will realize \$4,561 per year in savings and will replace 41,291 kilowatt (kWh) per year (100 percent of previous use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Berns Levi		\$68,880	This Rural Development investment will be used to help Levi Berns install a 68.88 kilowatt (kW) solar project at his hog and pig production farm operation near Elkader in Clayton County. This project is expected to generate 74,650 kilowatt hours (kWh) worth \$11,336 per year, which is enough energy to power six homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Kent Kirstein		\$121,349	This Rural Development investment will be used to help Kent Kirstein install a new energy efficient grain drying system at his grain production farm operation in Clarion in Wright County. This project is expected to save \$9,589 per year. It will save 123,847 kilowatt hours (kWh) per year, which is enough energy to power 11 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Kronlage Brian		\$26,886	This Rural Development investment will be used to help Brian Kronlage install a 36 kilowatt (kW) solar array at his corn production farm operation near Dyersville in Dubuque County. This project will realize \$4,959 per year in savings and will replace 41,727 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hill Annette		\$34,669	This Rural Development investment will be used to help Annette Hill install a 45.92 kilowatt (kW) solar project at her beef cattle production ranch and farm operation near Holy Cross, in Dubuque County. This project is expected to generate 58,560 kilowatt hours (kWh) worth \$6,282 per year, which is enough energy to power five homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hite Trucking LLC		\$81,978	This Rural Development investment will be used to help Hite Trucking LLC install a 41 kilowatt (kW) solar array at its commercial trucking operation in Ottumwa in Wapello County. This project will realize \$9,045 per year in savings and will replace 55,099 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power five homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Knupp Tanner		\$24,014	This Rural Development investment will be used to help Tanner Knupp install a 42.9 kilowatt (kW) solar array at his grain production farm operation near Washington in Washington County. This project will realize \$6,206 per year in savings and will replace 46,767 kilowatt hours (kWh) per year (129 percent of historical business usage), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Decorah Auto Center Inc.		\$39,675	This Rural Development investment will be used to help Decorah Auto Center install a 30 kilowatt (kW) solar array at its auto dealership in Decorah in Winneshiek County. This project will realize \$5,705 per year in savings and will replace 35,380 kilowatt hours (kWh) per year (99 percent of previous use), which is enough electricity to power three homes
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	JTH Farms Inc.		\$88,345	This Rural Development investment will be used to help JTH Farms Inc. install two 15 kilowatt (kW) wind turbines at its grain production farm operation near Forest City in Winnebago County. This project will realize \$8,491 per year in savings and will generate and replace 86,570 kilowatt hours (kWh) per year (46 percent of previous business use), which is enough electricity to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Niehaus Farms LLC		\$56,826	This Rural Development investment will be used to help Niehaus Farms LLC, a hog and pig production farming corporation, install a 54.51 kW solar array near Garnavillo in Clayton County. This project will generate 67,911 kWh per year, amounting to \$9,290 per year. This is enough electricity to power 12 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	New Eagle Farms II LLP		\$74,279	This Rural Development investment will be used to help New Eagle Farms II LLP install a 68.2 kilowatt (kW) solar array at its leased real estate property operation in Buckeye in Hardin County. This project is expected to generate 94,493 kilowatt hours (kWh) worth \$10,215 per year, which is enough energy to power eight homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Marienau Jason		\$70,605	This Rural Development investment will be used to help Jason Marienau install solar arrays at his soybean and corn production operation near Le Mars in Plymouth County. This project is expected to generate 106,622 kilowatt hours (kWh) worth \$9,540 per year, which is enough energy to power nine homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hansen Nate		\$365,823	This Rural Development investment will be used to install an energy efficient grain drying system. Nate Hansen is the owner of a grain production operation near Hampton, Franklin County, Iowa. This project is expected to save \$19,695 per year. It will save 332,364 kilowatt hours (kWh) per year, which is enough energy to power 30 homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Benjamin Lee Bader		\$31,500	This Rural Development investment will be used to install a 22.8 kilowatt (kW) solar array. Benjamin Bader is the owner of a grain production farming operation near Jesup, Black Hawk County, Iowa. This project is expected to save \$3265 per year. It will replace 32,548 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year enough to power three homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hejlik Tim		\$76,389	This Rural Development investment will be used to help Tim Hejlik, a grain production operation owner near Garner in Hancock County, install a new energy efficient grain drying system. This project is expected to save \$5,891 per year. It will save 128,495 kilowatt hours (kWh) per year, which is enough energy to power 11 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sfjs LLP		\$182,408	This Rural Development investment will be used to install two 85.8 kilowatt (kW) solar systems for SFJS LLP, a leased grain production farm property near Alden in Hardin County, Iowa. This project will generate 241,184 kilowatts (kW) and \$27,373 per year in energy, which is enough electricity to power 22 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Barker Galen		\$123,347	This Rural Development investment will be used to help Galen Barker, a grain production farmer near Little Cedar in Mitchell County, install a new energy efficient grain drying system. This project is expected to save \$15,739 per year. It will save 239,112 kilowatt hours (kWh) per year enough to power 22 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	P and J Pork LLC		\$88,920	This Rural Development investment will be used to help P and J Pork LLC install a 87.7 kilowatt (kW) solar array for its hog production farm operation near Algona in Kossuth County. This project will realize \$18,427 per year in savings and will save 117,041 kilowatt hours (kWh) per year (92 percent of previous business use), which is enough electricity to power 10 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Erger Construction LLC		\$38,976	This Rural Development investment will be used to help Erger Construction LLC install a 27.8 kilowatt (kW) solar array at its commercial roofing contracting business in Norway, Benton County, Iowa. This project will realize \$6,526 per year in generation revenue and will generate 37,476 kilowatt hours (kWh) per year, which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Gansen LC		\$37,195	This Rural Development investment will be used to help Gansen LC install a 28.8 kilowatt (kW) solar array at its grain production farm near Elma in Howard County. This project is expected to generate \$4,975 gross income from the sale of energy and generate 39,926 kilowatt hours (kWh) per year, which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dimon Grain and Livestock Inc.		\$30,935	This Rural Development investment will be used to help Dimon Grain and Livestock install a 30.7 kilowatt (kW) solar ground array at its grain and livestock production operation near Wheatland in Clinton County. This project will realize \$5,758 per year in savings and will replace 36,620 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power four homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bortz Larry		\$39,800	This Rural Development investment will be used to help Larry Bortz install a 29.2 kilowatt (kW) solar array at his grain production farm operation near Rudd, Floyd County, Iowa. This project will realize \$4,528 per year in savings and will replace 39,802 kilowatt hours (kWh) per year (94 percent of previous business use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wessels Farm Operations LLC		\$99,660	This Rural Development investment will be used to help Wessels Farm Operations LLC install a 86.4 kilowatt (kW) solar array at its swine production farm operation near Dyersville, Delaware County, Iowa. This project will realize \$17,747 per year in savings and will replace 112,322 kilowatt hours (kWh) per year (89 percent of previous business use), which is enough electricity to power 10 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	John Banzhaf		\$79,250	This Rural Development investment will be used to help John Banzhaf Jr. install a 74.2 kilowatt (kW) solar array at his hog and pig production farm operation located near Readlyn, Black Hawk County, Iowa. This project is expected to generate 104,940 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power nine homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Gardner Daniel		\$44,440	This Rural Development investment will be used to help Daniel Gardner install a 34.2 kilowatt (kW) solar array at his grain production farm operation near Elma, Howard County, Iowa. This project will realize \$5,891 per year in savings and will replace 48,929 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Atkins Lumber Company		\$29,750	This Rural Development investment will be used to help Atkins Lumber Company install a 15.2 kilowatt (kW) solar array at its lumber and equipment wholesale business operation located in Atkins, Benton County, Iowa. This project is expected to save \$4,698 per year. It will replace 28,024 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bjornsen Pond Management Services LLC		\$49,000	This Rural Development investment will be used to help Bjornsen Pond Management Services LLC install a 43.2 kilowatt (kW) solar array at its business in Cedar Rapids, Linn County, Iowa. This project will realize \$6,187 per year in savings and will replace 51,039 kilowatt hours (kWh) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Frisky Fox Vineyard LLP		\$31,625	This Rural Development investment will be used to help Frisky Fox Vineyard LLP install a 24 kilowatt (kW) solar array at its winery in Riceville, Howard County, Iowa. This project will realize \$3,585 per year in savings and will replace 31,920 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Guthrie David		\$34,056	This Rural Development investment will be used to install a 20.6 kilowatt (kW) solar array, David Guthrie is a grain and livestock producer in Delaware County, Iowa. This project is expected to save \$3,391 per year. It will replace 22,032 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power two homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Marth Alvin		\$129,600	This Rural Development investment will be used to install two 57 kilowatt (kW) solar arrays for Alvin Marth, who operates an oilseed and grain combination farm near Rockford, Floyd County, Iowa. This project will realize \$18,740 per year in savings and will replace 154,714 kilowatt hours (kWh) per year (79 percent of previous business use), which is enough electricity to power 14 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	D Star LLP		\$42,175	This Rural Development investment will be used to install a 31.5 kilowatt (kW) solar array for D STAR LLP at its sawmill operation in Riceville, Howard County, Iowa. This project is expected to save \$4,894 per year. It will replace 31,000 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Reicks, Brady Dba Eastern Holdings LLC		\$99,500	This Rural Development investment will be used to help Brady Reicks dba Eastern Holdings LLC install a 110 kilowatt (kW) solar array at its non-residential building leasing business in Charles City, in Floyd County. This project will realize \$25,095 per year in generation revenue and will generate 151,886 kilowatt hours (kWh) per year (88 percent of previous business use), which is enough electricity to power 14 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bottlebrush Swine LLC		\$259,281	This Rural Development investment will be used to help Bottlebrush Swine LLC install a 249.2 kilowatt (kW) solar array at its hog and pig production farm operation near Garner and its operation near Ventura. This project in Hancock County will realize \$42,967 per year in savings and will generate and replace 339,156 kilowatt hours (kWh) per year (96 percent of previous business use), which is enough electricity to power 31 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Meythaler Farms Inc.		\$62,500	This Rural Development investment will be used to help Meythaler Farms Inc., a grain and hog production farming operation near Marion in Linn County, install a 66.6 kilowatt (kW) solar array. This project is expected to save \$10,6953 per year. It will replace 70,000 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year, enough to power six homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	On-Track Construction LLC		\$66,072	This Rural Development investment will be used to help On-Track Construction LLC in Nevada, in Story County, install a solar array at its business which specializes in underground utilities construction work. This project is expected to save \$14,870 per year. It will replace 60,680 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough energy to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Fahr Beverage Inc.		\$281,882	This Rural Development investment will be used to help Fahr Beverage Inc. install a 225.7 kilowatt (kW) solar array at its beer and ale merchant wholesaler operation in West Union in Fayette County. This project will realize \$41,210 per year in savings and will replace 268,000 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power 26 homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	605 W Stone LLC		\$98,966	This Rural Development investment will be used to help 605 W Stone LLC, a lessor of non-residential buildings in Fairfield in Jefferson County, install 81.1 kilowatt (kW) solar array. This project is expected to generate 53,447 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough energy to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Maurer Sarah		\$42,867	This Rural Development investment will be used to help Sarah Maurer install a 32.68 kilowatt (kW) solar array at her hog and pig production farming operation near Delhi in Delaware County. This project will realize \$6,483 per year in savings and will replace 43,674 kilowatt hours (kWh) per year (98 percent of previous use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	L & L Enterprises LLC		\$33,046	This Rural Development investment will be used to help L & L Enterprises LLC install a 25.42 kilowatt (kW) solar array at its commercial building construction operation in Iowa Falls in Hardin County. This project will realize \$4,198 per year in savings and will replace 23,696 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Supple Finishing LLC		\$48,000	This Rural Development investment will be used to help Supple Finishing install a 52.8 kilowatt (kW) solar project at its hog finishing farm operation near Oxford Junction, Jones County, Iowa. This project is expected to generate 62,792 kilowatt hours (kWh) worth \$9,848 per year, which is enough energy to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	DJ Repair & DJs Auto LLC		\$56,840	This Rural Development investment will be used to help DJ Repair & DJs Auto LLC install a 46.4 kilowatt (kW) solar array at its auto repair and maintenance operation in Manchester in Delaware County. This project will realize \$9,847 per year in savings and will replace 63,087 kilowatt hours (kWh) per year (99 percent of previous business use), which is enough electricity to power six homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sidehill Pork LLC		\$91,550	This Rural Development investment will be used to help Sidehill Pork LLC install a 82.7 kilowatt (kW) solar array for its hog rental facility in Oelwein in Fayette County. This project will generate \$17,092 per year and will save 105,000 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power 10 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Black Hawk Soil Service LLC		\$26,000	This Rural Development investment will be used to help Black Hawk Soil Service LLC, a full-service agronomy retail provider specializing in soil solutions, install a 19.6 kilowatt (kW) solar array at its business near West Chester in Washington County. This project will realize \$3,830 per year in savings and will save 22,840 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dirt Road Swine LLC		\$52,744	This Rural Development investment will be used to help Dirt Road Swine LLC install a 59.4 kilowatt (kW) solar project at its hog and pig production operation near Ottumwa in Keokuk County. This project is expected to generate 88,592 kilowatt hours (kWh) worth \$14,192 per year, which is enough energy to power eight homes.





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**GRAND TOTAL: \$18,367,170**

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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Krogmann Jerome		\$39,390	This Rural Development investment will be used to help Jerome Krogmann install a 32 kilowatt (kW) solar array at his corn production farming business near Manchester in Delaware County. This project will realize \$6,110 per year in savings and will replace 33,720 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Jensen Roger		\$26,152	This Rural Development investment will be used to help Roger Jensen install a 15 kilowatt (kW) solar array at his grain production farming operation near Fenton in Kossuth County. This project will realize \$2,731 per year in savings and will replace 17,378 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power one home.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bloomsbury Farm Inc.		\$120,799	This Rural Development investment will be used to help Bloomsbury Farm Inc. install a 99.9 kilowatt (kW) solar project at its agritourism farm destination operation in Atkins in Benton County. This project is expected to generate 141,581 kilowatt hours (kWh) worth \$22,610 per year, which is enough energy to power 13 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ed Hosch & Sons Inc.		\$105,807	This Rural Development investment will be used to help Ed Hosch & Sons Inc. install two solar arrays totaling 100 kilowatts (kW) at its livestock production operation near Cascade in Jones County. This project will realize \$13,854 per year in savings and will replace 92,360 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Happel Mark		\$107,965	This Rural Development investment will be used to help Mark Happel install a 50.9 kilowatt (kW) solar array at his grain production operation near Sumner in Bremer County. This project will realize \$4,898 per year in savings and will replace 50,809 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sash Craig		\$85,500	This Rural Development investment will be used to help Craig Sash install a 68.4 kilowatt (kW) solar array at his grain production farm operation near Traer, in Tama County. This project will realize \$9,892 per year in savings and will replace 77,640 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power nine homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wilson Farms Inc.		\$40,792	This Rural Development investment will be used to help Wilson Farms Inc. install a 39.4 kilowatt (kW) solar array at its hog and pig production farming operation near Cresco, in Howard County. This project will realize \$4,526 per year in savings and will replace 55,106 kilowatt hours (kWh) per year (75 percent of previous use), which is enough electricity to power five homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Jim Harbach Investments LLC		\$87,050	This Rural Development investment will be used to help Jim Harbach Investments LLC install a 68.8 kilowatt (kW) solar array at its grain production farm operation near Coggon, in Delaware County. This project will realize \$9,039 per year in savings and will replace 90,569 kilowatt hours (kWh) per year (82 percent of previous use), which is enough electricity to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Leonard John Ambrosy		\$21,215	This Rural Development investment will be used to help Leonard Ambrosy install a 11.5 kilowatt (kW) solar array at his corn production farm operation near Bernard, in Dubuque County. This project is expected to generate 14,826 kilowatt hours (kWh) per year, which is enough electricity to power one home.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Lone Tree Farms LLC		\$232,893	This Rural Development investment will be used to help Lone Tree Farms LLC in Jones County install a 206.94 kilowatt (kW) solar array project at its hog and pig production operations near the towns of Cascade, Masonville, and Monticello, Iowa. This project is expected to generate 206,948 kilowatt hours (kWh) worth \$28,412 per year, which is enough energy to power 19 homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	MDL Services Inc.		\$33,450	This Rural Development investment will be used to help MDL Services Inc. install a 29.5 kilowatt (kW) solar array project at its insurance agency in Chariton in Lucas County. This project will save \$4,571 and replace 28,589 kilowatt hours (kWh) per year (90 percent of prior usage), which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dutchland Dairy Co.		\$206,480	This Rural Development investment will be used to help Dutchland Dairy Co. install a 238.7 kilowatt (kW) solar array system for its dairy farm near Rolfe in Pocahontas County. This project will realize \$48,421 per year in savings and will save 310,800 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power 30 homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Berry Swine Farm LLC		\$51,710	This Rural Development investment will be used to help Berry Swine Farm LLC install a 46 kilowatt (kW) solar array at its hog and pig production farming operation near Winterset in Madison County. This project will realize \$7,348 per year in savings and will replace 65,365 kilowatt hours (kWh) per year (53 percent of previous use), which is enough electricity to power six homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Byrnes Custom Ops LLC		\$59,710	This Rural Development investment will be used to help Byrnes Custom Ops LLC install a 46 kilowatt (kW) solar array at its hog and pig production farm operation near Riceville in Mitchell County. This project will realize \$6,816 per year in savings and will replace 62,808 kilowatt hours (kWh) per year (40 percent of previous use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dennis D Berger & Son Inc		\$175,215	This Rural Development investment will be used to help Dennis D. Berger & Son Inc. install an energy efficient grain dryer for its grain farm near Wellman in Washington County. This project will realize \$19,258 per year in savings and will save 373,797 kilowatt hours (kWh) per year (69 percent of previous business use), which is enough electricity to power 35 homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wapsie Farms Partnership		\$240,975	This Rural Development investment will be used to help Wapsie Farms Partnership, a livestock production farm operation located in Black Hawk County, install a 124 kilowatt (kW) solar array. This project is expected to save \$13,944 per year. It will replace 138,200 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power 15 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Double SG LLC		\$94,140	This Rural Development investment will be used to help Double SG LLC install a 61.8 kilowatt (kW) solar array at its hog production farm operation near North English in Iowa County. This project will realize \$12,882 per year in savings and will replace 107,089 kilowatt hours (kWh) per year, which is enough electricity to power nine homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Till's Garage Inc.		\$57,290	This Rural Development investment will be used to help Till's Garage Inc. install a 40 kilowatt (kW) solar system for its auto sales dealership in Bellevue in Jackson County. This project will realize \$6,094 per year in savings and will save 51,592 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Timothy Daniel Gudenkauf		\$26,600	This Rural Development investment will be used to help Timothy Gudenkauf install a 20.64 kilowatt (kW) solar array at his corn production farming operation near Hopkinton in Delaware County. This project will realize \$2,222 per year in savings and will replace 19,255 kilowatt hours (kWh) per year (99 percent of previous use), which is enough electricity to power one home.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Louden Storage LLC		\$499,999	This Rural Development investment will be used to help Louden Storage LLC, a warehouse and storage business, install a 504.4 kilowatt (kW) solar array at its warehouse in Fairfield, in Jefferson County. This project will generate 676,905 kilowatt hours (kWh) per year, amounting to \$24,910 per year. This is enough electricity to power 62 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Brand Rick		\$42,173	This Rural Development investment will be used to help Rick Brand install a 46.1 kilowatt (kW) solar array at his grain farm near Somers, in Calhoun County. This project will realize \$5,934 per year in savings and will replace 57,271 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power six homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Showalter Kenneth		\$97,500	This Rural Development investment will be used to help Kenneth Showalter, owner of a grain production farm operation near Hampton, in Franklin County, install a 68 kilowatt (kW) solar array. This project is expected to save \$7,362 per year. It will replace 90,167 kilowatt hours (kWh) (93 percent of the farm business energy usage) per year, enough energy to power eight homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Showalter Samuel		\$174,075	This Rural Development investment will be used to help Samuel Showalter, a lessor of real estate in Hampton, in Franklin County, install a 121 kilowatt (kW) solar array at his business. This project is expected to save \$13,279 per year. It will replace 160,385 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year, enough energy to power 14 homes.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	M & M Property Holding LLC		\$25,250	This Rural Development investment will be used to help M & M Property Holding LLC install a solar array at its real estate leasing business in Boone, in Boone County, Iowa. This project is expected to save \$14,870 per year. It will replace 22,839 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough energy to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Nicholas William		\$162,601	This Rural Development investment will be used to help Nicholas William install a new grain dryer at his grain production operation near Rockwell, in Cerro Gordo County. This project will realize \$42,431 per year in savings and will replace 575,125 kilowatt hours (kWh) per year (48 percent of previous business use), which is enough electricity to power 53 homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Platinum Pork LLC		\$60,510	This Rural Development investment will be used to help Platinum Pork LLC install a 55 kilowatt (kW) solar array at its hog and pig production farm operation near Winterset, in Madison County. This project will realize \$10,041 per year in savings and will replace 78,699 kilowatt hours (kWh) per year (66 percent of previous use), which is enough electricity to power seven homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ideal Industries Inc.		\$258,250	This Rural Development investment will be used to help Ideal Industries Inc. install a 313.9 kilowatt (kW) solar array at its sheet metal work manufacturing operation near Vinton, in Benton County. This project will save \$51,406 and replace 410,756 kilowatt hours (kWh) per year (124 percent of prior usage), which is enough energy to power 37 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Pantheon Farms LLC		\$69,249	This Rural Development investment will be used to help Pantheon Farms LLC install a 77 kilowatt (kW) solar array at its hog and pig production farm operation near Wellsburg, in Butler County. This project is expected to generate 108,646 kilowatt hours (kWh) worth \$16,689 per year, which is enough energy to power nine homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Hoyle Sherwood		\$89,265	This Rural Development investment will be used to help Sherwood Hoyle install a 30 kilowatt (kW) solar array at his corn production farming operation near Scranton, in Greene County. This project is expected to generate 68,787 kilowatt hours (kWh) worth \$11,094 per year, which is enough energy to power six homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Polasheks Locker Service Inc.		\$99,995	This Rural Development investment will be used to help Polasheks Locker Service Inc. install a solar array at its meat processing facility in Protivin, in Howard County. This project is expected to save \$14,870 per year. It will replace 94,152 kilowatt hours (kWh) (32 percent of business energy usage) per year, which is enough energy to power eight homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Farson Livestock LLC		\$80,850	This Rural Development investment will be used to help Farson Livestock LLC install a 58.8 kilowatt (kW) solar array at its hog and pig production farm business near Hedrick, in Wapello County. This project will realize \$13,301 per year in savings and will replace 86,220 kilowatt hours (kWh) per year (98 percent of previous use), which is enough electricity to power eight homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Moorman Alan		\$45,000	This Rural Development investment will be used to help Alan Moorman install a 36 kilowatt (kW) solar array at his corn production farm operation near Coggon in Linn County. This project will save \$7,552 and replace 51,729 kilowatt hours (kWh) per year (100 percent of prior usage), which is enough energy to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Kunde Farms LLC		\$130,102	This Rural Development investment will be used to help Kunde Farms LLC install a new energy efficient grain drying system at its grain production farm operation near Bernard, in Dubuque County. This project is expected to save \$14,091 per year. It will save 277,968 kilowatt hours (kWh) per year, which is enough energy to power 25 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Kaufman Kevin		\$87,950	This Rural Development investment will be used to help Kevin Kaufman, a grain production operation owner in Fairbank, in Buchanan County, install a new energy efficient grain drying system. This project is expected to save \$25,440 per year. It will save 462,971 kilowatt hours (kWh) per year, which is enough energy to power 42 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dietzenbach Farms LLC		\$25,725	This Rural Development investment will be used to help Dietzenbach Farms LLC install a 21 kilowatt (kW) solar array at its hog and pig production farming operation near Fort Atkinson in Fayette County. This project will save \$4,687 and replace 28,912 kilowatt hours (kWh) per year (99 percent of prior usage), which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Niehaus Inc.		\$99,799	This Rural Development investment will be used to help Niehaus Inc. install a 93.48 kilowatt (kW) solar array at its corn production farm operation near Garnavillo, in Clayton County. This project will realize \$16,157 per year in savings and will replace 119,354 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power 11 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Duhme Michael		\$32,550	This Rural Development investment will be used to help Michael Duhme install a 25.8 kilowatt (kW) solar array at his reupholstery and furniture repair business located in Zwingle, in Jackson County. This project is expected to save \$3,605 per year. It will replace 36,160 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Quad R Llp		\$39,225	This Rural Development investment will be used to help Quad R LLP, a hog production farm operation located in Howard County, install a 32 kilowatt (kW) solar array. This project is expected to save \$5,861 per year. It will replace 42,986 kilowatt hours (kWh) (80 percent of business energy usage) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Tweeten Brian		\$37,500	This Rural Development investment will be used to help Brian Tweeten install a 22 kilowatt (kW) solar array at his grain production operation near Kensett, in Worth County. This project will realize \$3,941 per year in savings and will replace 28,064 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power two homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Huber Crops & Chops Inc.		\$36,250	This Rural Development investment will be used to help Huber Crops & Chops Inc. install a 34 kilowatt (kW) solar array at its hog and pig production farm operation near Wellman, in Washington County. This project will realize \$6,830 per year in savings and will generate 46,595 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Heritage Ag Enterprises LLC		\$63,800	This Rural Development investment will be used to help Heritage Ag Enterprises LLC install a 47.3 kilowatt (kW) solar array at its corn production farm near Coggon, in Linn County. This project will realize \$9,786 per year in savings and will save 63,335 kilowatt hours (kWh) per year (99 percent of previous business use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ruden Philip		\$40,808	This Rural Development investment will be used to help Philip Ruden install a more energy efficient grain dryer for his corn production farm near Zwingle, in Dubuque County. This project will realize \$4,451 per year in savings and will save 78,361 kilowatt hours (kWh) per year (73 percent of previous business use), which is enough electricity to power seven homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Shane Fuessley		\$57,444	This Rural Development investment will be used to help Shane Fuessley install a more energy-efficient grain drying system for his oilseed and grain production farm near Walker, in Linn County. This project is expected to save \$8,448 in energy costs per year and is expected to save 408,004 kilowatt hours (kWh) of energy per year (71 percent of previous use), which is enough energy to power 37 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Gold-Eagle Cooperative		\$657,266	This Rural Development investment will be used to help Gold-Eagle Cooperative install a 650.1 kilowatt (kW) solar array at its livestock feed manufacturing, grain marketing and agronomy operations in Woden and Hutchins, in Hancock County, Iowa. This project will realize \$10,550 per year in savings and will replace 898,947 kilowatt hours (kWh) per year (84 percent of previous use), which is enough electricity to power 83 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Midwest Solid Surface LLC		\$56,250	This Rural Development investment will be used to help Midwest Solid Surface LLC install a 37.8 kilowatt (kW) solar system for its countertop manufacturing business in West Burlington, in Des Moines County. This project will realize \$9,148 per year in savings and will save 51,200 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power five homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Clickstop Inc.		\$300,000	This Rural Development investment will be used to help Clickstop Inc., an e-commerce company with warehouse operations in Urbana, in Benton County, install a 314 kilowatt (kW) solar roof system. This project will realize \$37,155 per year in savings and will save 365,038 kilowatt hours (kWh) per year (46 percent of previous business use), which is enough electricity to power 33 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Weets Alan		\$83,760	This Rural Development investment will be used to help Alan Steven Weets install a 100 kilowatt (kW) solar project at his beef cattle production ranch and farm operation near Mechanicsville, in Cedar County. This project is expected to generate 117,268 kilowatt hours (kWh) worth \$17,844 per year, which is enough energy to power 13 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Even Chad		\$60,418	This Rural Development investment will be used to help Chad Even install a 73.7 kilowatt (kW) solar array at his beef cattle production ranch and farm operation near Jesup, in Black Hawk County. This project will save \$7,274 and replace 74,697 kilowatt hours (kWh) per year (100 percent of prior usage), which is enough energy to power nine homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Robert Cletus Uhlenhake		\$38,562	This Rural Development investment will be used to help Robert Uhlenhake install a 28.8 kilowatt (kW) solar array at his grain production operation near Ossian, in Winneshiek County. This project will realize \$6,366 per year in savings and will replace 40,461 kilowatt hours (kWh) per year (98 percent of previous use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Elite Octane LLC		\$500,000	This Rural Development investment will be used to help Elite Octane LLC, an ethanol manufacturing operation in Atlantic, in Cass County, install a new, more efficient oil recovery system. This project is expected to save \$913,582 per year. It will save 10,103,986 kilowatt hours (kWh) per year, which is enough energy to power 932 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Schweer Acres Inc.		\$31,560	This Rural Development investment will be used to help Schweer Acres Inc. install a 30.74 kilowatt (kW) solar array at its grain production farm operation near Readlyn, in Bremer County. This project is expected to generate 40,767 kilowatt hours (kWh) worth \$6,135 per year, which is enough energy to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Holtz Construction Inc.		\$20,336	This Rural Development investment will be used to help Holtz Construction Inc., a specialty trade contracting business, install a 13.12 kilowatt (kW) solar array in Manchester, in Delaware County. This project will generate 58,467 kilowatt hours (kWh) per year, amounting to \$2,463 per year. This is enough electricity to power one home.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Garst Building LC		\$25,889	This Rural Development investment will be used to help Garst Building LC install a 24.2 kilowatt (kW) solar array at its land rental business in Ruthven, in Webster County. This project will realize \$2,699 per year in savings and will generate and replace 27,060 kilowatt hours (kWh) per year (127 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	J.B. Schott Farms Inc.		\$156,747	This Rural Development investment will be used to help J.B. Schott Family Farms Inc. install a 209.3 kilowatt (kW) solar array on its hog production farm operation near Riverside, in Johnson County. This project will realize \$39,789 per year in savings and will generate and replace 281,163 kilowatt hours (kWh) per year (108 percent of previous business use), which is enough electricity to power 28 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	J&M Displays Inc.		\$45,489	This Rural Development investment will be used to help J & M Displays Inc. install a 30.36 kilowatt (kW) solar array at its fireworks display sales business in Yarmouth, in Des Moines County. This project will realize \$3,539 per year in savings and will generate and replace 35,752 kilowatt hours (kWh) per year (87 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Research Farms LLC		\$102,300	This Rural Development investment will be used to help Research Farms LLC, a grain and oilseed agricultural producer, install a 93.6 kilowatt (kW) solar array near Rockwell, in Cerro Gordo County. This project will realize \$20,456.00 per year in savings and will replace 136,375 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power 12 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ketelsen Coltan		\$15,488	This Rural Development investment will be used to help Coltan Ketelsen, a grain and oilseed agricultural producer, install a 14.3 kilowatt (kW) solar array in Boone County near the town of Perry. This project will realize \$2,014.00 per year in savings and will replace 12,691 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power one home.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Red Lion Story County Solar LLC		\$66,176	This Rural Development investment will be used to help Red Lion Story County Solar LLC install a 49 kilowatt (kW) solar array at its solar electric power generation operation in Zearing, in Story County. This project will generate 64,046 kWh per year, which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	R and J Cattle And Grain Co.		\$42,750	This Rural Development investment will be used to help R and J Cattle and Grain Co. install a new energy efficient grain drying system at its corn farming operation near Melbourne, in Marshall County. This project is expected to save \$7,045 and 63,763 kilowatt hours (kWh) per year, which is enough energy to power five homes.





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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Schweer Carter		\$32,158	This Rural Development investment will be used to help Carter Schweer, a grain production farm operator near Readlyn in Bremer County, install a 37 kilowatt (kW) solar array. This project is expected to save \$8,470 per year. It will replace 47,147 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year enough to power four homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dellamuth David		\$21,400	This Rural Development investment will be used to help David Dellamuth install a new energy efficient grain drying system at his corn production farm operation near Williamsburg, in Iowa County. This project is expected to save \$3,461 and 55,353 kilowatt hours (kWh) per year, which is enough energy to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Grow Iowa LLC		\$78,430	This Rural Development investment will be used to help Grow Iowa LLC install a 50.6 kilowatt (kW) solar array at its hog and pig production farm operation near Alden, in Hardin County. This project will realize \$9,104 per year in savings and will replace 59,670 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power six homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Louden Storage LLC		\$332,725	This Rural Development investment will be used to help Loudon Storage LLC, a storage rental business, to install new energy efficient lighting, heating, and insulation to its facility in Fairfield, in Jefferson County. This project will realize \$25,124 per year in savings and will replace 507,773 kilowatt hours (kWh) per year (57 percent of previous business use), which is enough electricity to power 46 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Rathje Farms LLC		\$66,313	This Rural Development investment will be used to help Rathje Farms LLC install a more energy-efficient grain drying system for its oilseed and grain combination farm operation near Clinton, in Clinton County. This project is expected to save \$4,791 in energy costs per year and is expected to save 66,943 kilowatt hours (kWh) of energy per year (51 percent of previous use), which is enough energy to power six homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Even Clark		\$82,409	This Rural Development investment will be used to help Clark Evan install a 60 kilowatt (kW) solar array on his hog production farm operation near La Porte City, in Black Hawk County. This project will realize \$10,525 per year in savings and will save 106,615 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power 11 homes.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Olsen Roger		\$53,279	This Rural Development investment will be used to help Roger Olsen install a new energy efficient grain drying system at his corn production farm operation near Thompson, in Winnebago County. This project is expected to save \$10,190 and 145,079 kilowatt hours (kWh) per year, which is enough energy to power 13 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ricky Kay		\$41,750	This Rural Development investment will be used to help Ricky Kay install a 40.5 kilowatt (kW) solar array at his oilseed and grain combination production operation located near Wheatland, in Clinton County. This project is expected to save \$5,938 per year. It will replace 47,130 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Heartland Hardware LLC		\$50,545	This Rural Development investment will be used to help Heartland Hardware LLC install a 24.3 kilowatt (kW) and 8.64 kilowatt (kW) solar array at their hardware retailer operations in George in Lyon County and Hawarden in Sioux County. This project is expected to generate 43,356 kilowatt hours (kWh) worth \$6,057 per year, which is enough energy to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Global Biomass Supply		\$47,500	This Rural Development investment will be used to help Global Biomass Supply LLC install a 35.2 kilowatt (kW) solar array at its corn production farm operation near Eldora, in Hardin County. This project will save \$7,264 and replace 49,354 kilowatt (kWh) per year (112 percent of prior usage), which is enough energy to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	M's Machine & Manufacturing Company Inc.		\$194,471	This Rural Development investment will be used to help M's Machine & Manufacturing Company Inc. a precision parts manufacturing business in Monona, in Clayton County, install a 198.44 kilowatt (kW) solar array. This project is expected to save \$32,929 per year. It will replace 205,905 kilowatt hours (kWh) (100 percent of the business energy usage) per year, enough to power 19 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Garrett Holdings LLC		\$220,072	This Rural Development investment will be used to help Garrett Holdings LLC install a new energy efficient grain drying system at its beef cattle ranch and farm operation near Dow City, in Crawford County. This project is expected to save \$18,409 and 260,939 kilowatt hours (kWh) per year, which is enough energy to power 24 homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Watt Wayne		\$86,983	This Rural Development investment will be used to help Wayne Watt install a new energy efficient grain drying system at his grain production farm operation near Cresco, in Howard County. This project is expected to save \$14,878 per year. It will save 221,196 kilowatt hours (kWh) per year, which is enough energy to power 20 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	K. Poppens LLC		\$48,208	This Rural Development investment will be used to help K. Poppens LLC install a 36.8 kilowatt (kW) ground-mounted solar array system for its hog production farm near Parkersburg, in Butler County. This project will realize \$5,783 per year in savings and will save 50,697 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Red Lion Pottawattamie County Solar LLC		\$121,987	This Rural Development investment will be used to help Red Lion Pottawattamie County Solar LLC, an energy generation company in Honey Creek, in Pottawattamie County, install solar arrays at three locations in the Pottawattamie County campground. This project is expected to generate \$12,708 gross income from the sale of energy and generate 132,658 kilowatt hours (kWh) per year, which is enough energy to power 12 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Skyline Pork LLC		\$135,000	This Rural Development investment will be used to help Skyline Pork LLC install heat mats on the farrowing crate floor at its hog and pig production farm operation near Independence, in Buchanan County. This project is expected to save \$36,764 and 423,764 kilowatt hours (kWh) per year, which is enough energy to power 39 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ritel Copter Services Inc.		\$22,970	This Rural Development investment will be used to help Ritel Copter Services Inc., an aerial agricultural application service, install a 31.98 kilowatt (kW) solar array near Hudson, in Black Hawk. This project will replace 28,646 kilowatt hours (kWh) per year, amounting to \$3,022.00 per year. This is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Atkins Savings Bank & Trust Inc.		\$37,586	This Rural Development investment will be used to help Atkins Savings Bank & Trust Inc. install a 29.12 kilowatt (kW) solar array at its savings institution in Atkins, in Benton County. This project will realize \$6,479 per year in savings and will replace 39,530 kilowatt hours (kWh) per year (88 percent of previous business use), which is enough electricity to power four homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Luers Bradley		\$79,488	This Rural Development investment will be used to help Bradley Luer install a new energy efficient grain drying system for his corn production farm operation near Sigourney, Keokuk County. This project is expected to save \$10,054 in energy costs per year and is expected to save 185,561 kilowatt hours (kWh) of energy per year (64 percent of previous use), which is enough energy to power 17 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	4-L Manufacturing Inc.		\$124,740	This Rural Development investment will be used to help 4-L Manufacturing Inc. install a 120 kilowatt (kW) solar array at its farm machinery and equipment manufacturing facility near Lisbon, in Linn County. This project will realize \$21,981 per year in savings and will generate and replace 155,540 kilowatt hours (kWh) per year (103 percent of previous use), which is enough electricity to power 14 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Plessek Doug		\$23,300	This Rural Development investment will be used to help Doug Plessek install a new energy efficient grain drying system at his corn production farm operation near Brooklyn, in Poweshiek County. This project is expected to save \$1,832 and 23,422 kilowatt hours (kWh) per year, which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Coates Nicholas		\$85,252	This Rural Development investment will be used to help Nicholas Coates install a new energy efficient grain drying system at his corn production farm operation near Dubuque, in Dubuque County. This project is expected to save \$8,506 and 100,715 kilowatt hours (kWh) per year, which is enough energy to power nine homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	F & B Communications Inc.		\$30,040	This Rural Development investment will be used to help F & B Communications Inc., a telecom carrier business based in Wheatland, Iowa, install solar arrays at two locations in Clinton County. This project is expected to save \$4,879 and replace 33,470 kilowatt hours (kWh) per year (123 percent of prior usage), which is enough energy to power three homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sebolt, Clifford dba Sebolt Properties		\$99,437	This Rural Development investment will be used to help Clifford Scott Sebolt, doing business as Sebolt Properties, install a 40.5 kilowatt (kW) solar array at his vacation rental lodge operation near Moulton, in Appanoose County. This project will replace 55,326 kilowatt hours (kWh) per year, amounting to \$7,893.00 per year. This is enough electricity to power five homes.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Cherokee Locker Investment Inc.		\$39,600	This Rural Development investment will be used to help Cherokee Locker Investment Inc., a meat processing facility, install a 39.48 kilowatt (kW) solar array in Cherokee, in Cherokee County. This project will generate 58,467 kilowatt hours (kWh) per year, amounting to \$6,129 per year. This is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sperslage Alan		\$26,895	This Rural Development investment will be used to help Alan Sperslage install a 34.2 kilowatt (kW) solar project at his grain production farm operation near Alburnett, in Linn County. This project is expected to generate 50,280 kilowatt hours (kWh) worth \$4,273 per year, which is enough energy to power four homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Ljm Enterprises LLC dba Victory Lane		\$124,600	This Rural Development investment will be used to help LJM Enterprises LLC, doing business as Victory Lane, install a 76.5 kilowatt (kW) solar array at its restaurant business in Clarence, in Cedar County. This project is expected to generate \$19,224 gross income from the sale of energy and generate 115,361 kilowatt hours (kWh), which is enough electricity to power 10 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Collier Farms Inc.		\$42,634	This Rural Development investment will be used to help Collier Farms Inc. install a 15.2 kilowatt (kW), a 11.4 kilowatt (kW), and a 15.2 kilowatt (kW) solar array for its hog production farm operation near Durant, in Muscatine County. This project will generate \$8,734 and 86,508 kWh per year in energy, which is enough electricity to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Lensch James		\$105,000	This Rural Development investment will be used to help James Lensch install a 90 kilowatt (kW) solar array on his grain production farm operation near Marion, in Linn County. This project is expected to generate \$18,507 gross income from the sale of energy and generate 131,017 kilowatt hours (kWh), which is enough electricity to power 12 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	RAH Pork LLC		\$43,928	This Rural Development investment will be used to help RAH Pork LLC install a 47.5 kilowatt (kW) solar array at its hog and pig production farm operation near Rembrandt, in Buena Vista County. This project will save \$7,371 and replace 70,690 kilowatt hours (kWh) per year (43 percent of prior usage), which is enough energy to power six homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Leeper Solar LLC		\$40,925	This Rural Development investment will be used to help Leeper Solar LLC., a solar power generation operation located in Winneshiek County, install a 32.8 kilowatt (kW) solar array for its business. This project is expected to save \$9,200 per year. It will generate 45,063 kilowatt hours (kWh) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Conrad Brothers		\$45,445	This Rural Development investment will be used to help Conrad Brothers Partnership install a 30.8 kilowatt (kW) solar array at its cattle production feedlot operation located near Ottumwa, in Wapello County. This project is expected to generate 42,667 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Woebeking Enterprises LTD		\$97,516	This Rural Development investment will be used to help Woebeking Enterprises LTD install a new energy efficient grain drying system at its grain production farm operation near Gladbrook, in Tama County. This project is expected to save \$14,958 per year. It will save 433,602 kilowatt hours (kWh) per year, which is enough energy to power 40 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	West End Farms LLC		\$47,460	This Rural Development investment will be used to help West End Farms LLC, an agricultural production operation, install a 42 kilowatt (kW) solar array near Cresco, in Howard County. This project will realize \$6,163.00 per year in savings and will replace 53,834 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Gerald E. Adam		\$23,052	This Rural Development investment will be used to help Gerald Adams install a solar system for his corn production farm operation near Fairfield, in Jefferson County. This project will realize \$4,039 per year in savings and will generate 44,564 kilowatt (kW), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	The Oswalds Inc.		\$20,000	This Rural Development investment will be used to help The Oswalds Inc., a swine production business, install a 35.1 kilowatt (kW) solar array in Coon Rapids, in Carroll County. This project will realize \$5,804 per year in savings and will replace 51,103 kilowatt hours (kWh) per year (42 percent of previous business use), which is enough electricity to power four homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Spruce Avenue Farms Inc.		\$90,893	This Rural Development investment will be used to help Spruce Avenue Farms Inc. install a 72 kilowatt (kW) solar array on its hog and pig production farm operation near Washington, in Washington County. This project will realize \$9,226 per year in savings and will generate and replace 92,537 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Black Dog Farms LLC		\$43,020	This Rural Development investment will be used to help Black Dog Farms LLC install a 32.4 kilowatt (kW) solar array at its grain production farm business located in Dunkerton, in Bremer County. This project is expected to generate 46,787 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	St. Ansgar State Bank		\$20,000	This Rural Development investment will be used to help St. Ansgar State Bank install a 44.9 kilowatt (kW) solar array at its commercial banking operation in St. Ansgar, in Mitchell County. This project will realize \$9,454 per year in savings and will replace 61,337 kilowatt hours (kWh) per year (99 percent of previous use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wessel Walt		\$194,532	This Rural Development investment will be used to help Walter Wessel, a dairy owner and operator, install a 167.7 kilowatt (kW) solar array at his production operation near Greeley, in Clayton County. This project will realize \$34,260.00 per year in savings and will replace 234,364 kilowatt hours (kWh) per year (76 percent of previous business use), which is enough electricity to power 21 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	S&R Real Estate		\$26,950	This Rural Development investment will be used to help S&R Real Estate Partnership, a newly formed business to generate energy, install a roof mounted solar array in Decorah in Winneshiek County. This project is expected to generate \$4,631 gross income from the sale of energy, and generate 27,828 kilowatt hours (kWh), which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Roling Properties LC		\$205,348	This Rural Development investment will be used to help Roling Properties LC install a 166.95 kilowatt (kW) solar system on its car dealership in Waverly, in Bremer County. This project will generate 198,608 kilowatt (kW) and \$24,413 per year in energy, which is enough electricity to power 18 homes.



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IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Excell Ag LC		\$134,743	This Rural Development investment will be used to help Excell Ag LC install a more energy-efficient grain drying system for its oilseed and grain production farm operation near Guthrie Center, in Guthrie County. This project is expected to save \$13,457 in energy costs per year and is expected to save 94,141 kilowatt hours (kWh) of energy per year (93 percent of previous use), which is enough energy to power eight homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Michael Schnieders		\$29,300	This Rural Development investment will be used to help Michael Schnieders install a 21.5 kilowatt (kW) solar array at his cattle feedlot operation near Dundee, in Delaware County. This project will realize \$2,815 per year in savings and will generate and replace 26,570 kilowatt hours (kWh) per year (84 percent of previous business use), which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	AAA Pork LLC		\$140,350	This Rural Development investment will be used to help AAA Pork LLC install solar arrays at its two hog and pig production operations in New Vienna, in Dubuque County, which combined will total 112 kilowatt (kW). This project is expected to generate 130,360 kilowatt hours (kWh) (96.4 percent of business energy usage) per year, which is enough electricity to power 12 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Danny J. Nefzger		\$54,300	This Rural Development investment will be used to help Danny John Nefzger install a 43 kilowatt (kW) solar array at his grain production operation in Manchester, in Delaware County. This project will realize \$4,710 per year in savings and will replace 51,677 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wapsie Prairie LLC		\$122,451	This Rural Development investment will be used to help Wapsie Prairie LLC install an 87.3 kilowatt (kW) solar array at its hog production facility operation in West Liberty, in Muscatine County. This project will realize \$14,193 per year in savings and will generate and replace 127,378 kilowatt hours (kWh) per year (100 percent of previous use), which is enough electricity to power 11 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Mountain Ventures II LLP		\$64,126	This Rural Development investment will be used to help Mountain Ventures II LLP install a 61.6 kilowatt (kW) solar array at its real estate holding company in Hubbard, in Hardin County. This project will realize \$9,185 per year in savings and will generate and replace 86,619 kilowatt hours (kWh) per year (56 percent of previous business use), which is enough electricity to power eight homes.





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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Lynch's Excavating Inc.		\$31,108	This Rural Development investment will be used to help Lynch's Excavating Inc. install a 19.2 kilowatt (kW) solar array at its site preparation contracting operation in West Branch, in Cedar County. This project will realize \$3,291 per year in savings and will replace 19,545 kilowatt hours (kWh) per year (100 percent of previous business use), which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Champion Seed Innovation LLC		\$176,715	This Rural Development investment will be used to help Champion Seed Innovation LLC install a 130.9 kilowatt (kW) solar array at its grain and field bean seed merchant wholesale operation near Ellsworth, in Hamilton County. This project will save \$24,211 and replace 193,488 kilowatt hours (kWh) per year (123 percent of prior usage), which is enough energy to power 17 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	RJ Investments LLC		\$31,280	This Rural Development investment will be used to help RJ Investments LLC install an 18.4 kilowatt (kW) solar project at its hotel in Orleans, in Dickinson County. This project is expected to generate 24,198 kilowatt hours (kWh) worth \$3,555 per year, which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	CUV Solar LLC		\$314,250	This Rural Development investment will be used to help CUV Solar LLC install solar array projects at its energy generation businesses in Mason City in Cerro Gordo County and Cresco in Howard County, which combined will total 242 kilowatt (kW). This project will realize \$52,782 per year and will generate 277,798 kilowatt hours (kWh) per year, which is enough electricity to power 25 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Dornbier Inc.		\$104,477	This Rural Development investment will be used to help Dornbier Inc. install one 59.4 kilowatt (kW) and one 48.4 kilowatt (kW) ground mounted solar array systems on its grain production farm operation near Wesley, in Kossuth County. This project will save \$17,607 per year (100 percent of previous business use), which is enough electricity to power 13 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Terence Murray		\$29,487	This Rural Development investment will be used to help Terence Murray install a 25.4 kilowatt (kW) solar array at his grain production farm operation near Storm Lake, in Buena Vista County. This project will realize \$3,948 per year in savings and will generate and replace 37,731 kilowatt hours (kWh) per year (85 percent of previous business use), which is enough electricity to power three homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Beard Parker		\$20,000	This Rural Development investment will be used to help Parker Beard install a 16 kilowatt (kW) solar project at his sheep production farm operation near Decorah, in Winneshiek County. This project is expected to generate 21,293 kilowatt hours (kWh) worth \$2,337 per year, which is enough energy to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	MM Mechanical LLC		\$27,500	This Rural Development investment will be used to help MM Mechanical LLC, a plumbing and heating, ventilation, and air conditioning contractor, install an 18.45 kilowatt (kW) solar array in Dyersville, in Dubuque County. This project will replace 20,843 kilowatt hours (kWh) per year, saving \$3,576.00 per year. This is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Zach Nunn (03)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Payload Trucking Inc.		\$36,850	This Rural Development investment will be used to help Payload Trucking Inc. install a 24 kilowatt (kW) solar array at its oilseed and grain combination production operation near Kellerton, in Decatur County. This project will realize \$6,143 per year in savings. This project is expected to generate 44,613 kilowatt hours (kWh) per year, which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Seil Jacob		\$43,355	This Rural Development investment will be used to help Jacob Seil, an agricultural producer, install a 35.2 kilowatt (kW) solar array near Gowrie, in Calhoun County. This project will realize \$5,844.00 per year in savings and will replace 49,697 kilowatt hours (kWh) per year (61 percent of previous business use), which is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Miene Septic Service Inc.		\$82,156	This Rural Development investment will be used to help Miene Septic Service install solar arrays totaling 60.8 kilowatt (kW) at its two septic tank and related service operations in Robins and Toddville, both located in Linn County. This project is expected to generate 100,305 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power nine homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Prairieland Inc.		\$123,030	This Rural Development investment will be used to help Prairieland Inc. install a 103 kilowatt (kW) solar array at its grain production operation near Farmersburg, in Clayton County. This project will realize \$18,140 per year in savings and will replace 118,611 kilowatt hours (kWh) per year (108 percent of previous use), which is enough electricity to power 11 homes.



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IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Bockenstedt Peter		\$62,000	This Rural Development investment will be used to help Peter Bockenstedt install a more energy efficient grain drying system for his oilseed and grain production farm operation near New Vienna, in Dubuque County. This project is expected to save \$4,097 in energy costs per year and is expected to save 72,768 kilowatt hours (kWh) of energy per year (51 percent of previous use), which is enough energy to power six homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Rorah Gregory		\$44,950	This Rural Development investment will be used to help Gregory Rorah, owner-operator of a corn production operation, install a 42.5 kilowatt (kW) solar array near Maquoketa, in Jackson County. This project will realize \$5,630.00 per year in savings and will replace 54,418 kilowatt hours (kWh) per year (91.5 percent of previous business use), which is enough electricity to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Jensen Steve		\$22,923	This Rural Development investment will be used to help Steve Jensen install a more energy-efficient grain moving system on his grain production farm operation near Osage, in Mitchell County. This project is expected to save \$6,439 in energy costs per year and is expected to save 85,008 kilowatt hours (kWh) of energy per year (95 percent of previous use), which is enough energy to power seven homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Crist Electrical Services		\$57,403	This Rural Development investment will be used to help Crist Electrical Services install a 61.2 kilowatt (kW) solar array at its grain production farm operation near Tipton, in Cedar County. This project will realize \$7,440 per year in savings and will replace 63,956 kilowatt hours (kWh) per year (128 percent of previous use), which is enough electricity to power seven homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Yankee Corner Farms Inc.		\$87,840	This Rural Development investment will be used to help Yankee Corner Farms Inc. install a 69.3 kilowatt (kW) solar array at its hog and pig production farm operation near West Branch, in Cedar County. This project will realize \$11,216 per year in savings and will generate and replace 103,179 kilowatt hours (kWh) per year (114 percent of previous use), which is enough electricity to power nine homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Scott Hilltop Farms LLC		\$137,500	This Rural Development investment will be used to help Scott Hilltop Farms LLC install a 72 kilowatt (kW) solar array at its chicken egg production facility in Muscatine, in Muscatine County. This project will realize \$16,972 per year in savings and will generate and replace 152,688 kilowatt hours (kWh) per year (101 percent of previous use), which is enough electricity to power 14 homes.



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IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Mommsen Livestock Farms LLC		\$305,330	This Rural Development investment will be used to help Mommsen Livestock Farms LLC install a 204 kilowatt (kW) solar array at its three hog and pig production facilities in Goose Lake, in Clinton County, and two hog and pig production facilities located in Elvira, also in Clinton County. This project is expected to generate \$50,095 and it will generate 349,820 kilowatt hours (kWh) (100 percent of business energy usage) per year, which is enough electricity to power 32 homes.
IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Cooperative Farmers Elevator		\$1,000,000	This Rural Development investment will be used to help Cooperative Farmers Elevator, a grain elevator operation in Ocheyedon, in Osceola County, install a 1300 kilowatt (kW) solar array. This project is expected to save \$210,927 per year. It will replace 1,519,000 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year, which is enough energy to power 165 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Wiele Chevrolet Inc.		\$60,250	This Rural Development investment will be used to help Wiele Chevrolet Inc., an automotive sales dealership, install a 31.92 kilowatt (kW) solar array at its business near Columbus Junction, in Louisa County. This project will replace 43,724 kilowatt hours (kWh) per year, amounting to \$4,639.00 per year. This is enough electricity to power four homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Tollefsrud Adam		\$96,936	This Rural Development investment will be used to help Adam Tollefsrud install a more energy-efficient grain drying system for his grain production farm operation near Decorah, in Winnebago County. This project is expected to save \$25,691 in energy costs per year and is expected to save 440,234 kilowatt hours (kWh) of energy per year (46 percent of previous use), which is enough energy to power 40 homes.
IA	Chuck Grassley Joni Ernst	Mariannette Miller-Meeks (01)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Tucker Grain LLC		\$26,187	This Rural Development investment will be used to help Tucker Grain LLC install a 19 kilowatt (kW) solar array at its grain production operation in Des Moines County. This project will realize \$2,503 per year in savings and will replace 26,495 kilowatt hours (kWh) per year, which is enough electricity to power two homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Sash Kevin		\$58,942	This Rural Development investment will be used to help Kevin Sash install a more energy-efficient grain drying system for his grain production farm operation near La Porte City, in Benton County. This project is expected to save \$7,270 in energy costs per year and is expected to save 99,843 kilowatt hours (kWh) of energy per year (60 percent of previous use), which is enough energy to power nine homes.



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IA	Chuck Grassley Joni Ernst	Randy Feenstra (04)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Maple Acres Inc.		\$112,580	This Rural Development investment will be used to help Maple Acres Inc, a corn production farm operation in Buena Vista County, install a new energy efficient grain drying system at its business near Aurelia. This project is expected to save \$17,197 per year. It will save 209,107 kilowatt hours (kWh) per year, which is enough energy to power 19 homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Palo Alto LLP		\$53,910	This Rural Development investment will be used to help Palo Alto, LLP, livestock production operation near Graettinger, in Palo Alto County, install a 46.2 kilowatt (kW) solar array at its farm. This project is expected to save \$6,707 per year. It will replace 64,022 kilowatt hours (kWh) (69 percent of the farm business energy usage) per year, which is enough energy to power five homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Glen's Tire Service Inc.		\$30,748	This Rural Development investment will be used to help Glen's Tire Service Inc. install a 25.2 kilowatt (kW) solar array at its tire sales and maintenance business in Clear Lake, in Cerro Gordo County. This project will realize \$5,217 per year in savings and will generate and replace 32,088 kilowatt hours (kWh) per year (87 percent of previous business use), which is enough electricity to power three homes.
IA	Chuck Grassley Joni Ernst	Ashley Hinson (02)	Rural Energy for America Program (REAP) Renewable and Energy Efficiency Program	Groh Hein LLC		\$29,000	This Rural Development investment will be used to help Groh Hein LLC, a livestock production operation in Osage, in Mitchell County, install a 17.3 kilowatt (kW) solar array at its business facility. This project is expected to save \$5,514 per year. It will replace 32,109 kilowatt hours (kWh) (100 percent of the farm business energy usage) per year enough to power three homes.
							<b>Total: \$18,367,170</b>