Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
BIOFUELS					
POET Project Liberty	POET Project Liberty	Emmetsburg	\$14,750,000	\$231,400,000	Project LIBERTY is the transformation of the traditional ethanol biorefinery in Emmetsburg into an integrated corn-to-ethanol and cellulose-to-ethanol biorefinery. Key objectives of Project LIBERTY are to validate the technology and economics at commercial scale and enable replication at other biorefineries in Iowa and across the country.
Fiberight- Blairstown Operating, LLC	Turning waste into advanced biofuels on a commercial scale	Blairstown	\$2,900,000	\$4,160,750	The Blairstown project will demonstrate how non-homogeneous municipal solid waste (MSW) can be converted into cellulosic ethanol, biochemicals, and other processed fiber products using a proprietary biochemical technology on a highly cost efficient, commercial production scale. The project will validate Fiberight's core conversion processes that can turn each processed ton of non-recycled contaminated paper, food waste, yard discards, and other degradables into 85 gallons of advanced biofuel.
ISU	Clean Gasification Platform for Renewable Power	Ames	\$1,937,402	\$922,112	The goal of this project is developing more efficient gas and syngas burners and technology to produce ethanol from synthesis gas. If successful, the resulting biomass gasification technology could be commercialized for thermal energy or for combined heat and power generation without compromising clean air standards.
Green Plains Renewable Energy and Bioprocess Algae LLC	Algae Project	Shenandoah	\$2,084,989	\$2,084,989	This project used breakthrough technology developed by BioProcess Algae for the mass production of a non food vs. fuel feedstock: algae. The inputs for the mass production of algae were the waste products from an ethanol plant, carbon dioxide and waste water. The project identified the natural algae to be used in our climate and verified that these algae have the ability to produce continuously at a level in excess of 200 tons per acre per year.
Cellencor Inc.	Reducing the Energy and Environmental Costs of Drying Corn Distillers Grain	Ames	\$1,050,000	\$500,000	Cellencor, in association with Iowa Corn Growers Association, is developing process technology that replaces natural gas or coal powered dryers of Distillers Dried Grains with Solubles (DDGS) at new or existing ethanol production plants with efficient, high-powered microwave drying systems. The process should produce substantial energy & water savings, higher value DDGS for animal feeds, and significant environmental benefits including reduced emissions of greenhouse gases, particulates, volatile organic compounds (VOCs), and odors.
Renewable Energy Group (REG)	Biodiesel Research Center	Ames	\$739,963	\$1,374,000	The Biodiesel Research Center was created to focus on three immediate problems impacting the biodiesel industry: determining ASTM standards for alternative feedstocks, determining best methods for understanding moisture levels, and best methods for removing soap and sterol glycosides in biodiesel. These developments could lead to enhanced energy independence within the State of Iowa as existing biodiesel production capacity exists but is not being utilized.
ISU	Increasing the use of distillers grains in livestock diets	Ames	\$172,994	\$242,334	lowa ethanol plants currently produce about 4.3 million tons of distillers grains. Distillers grains are rich in protein and energy and are an economical feedstuff; however, some nutritional factors limit their inclusion in livestock diets. This project involves distillers grains feeding studies for swine, poultry, and cattle to address strategies to overcome the insoluble fiber, antibiotic, and sulfur limitations, respectively, thus increasing the use of distillers grains in livestock diets may be increased.
Novecta, LLC	Utilizing Glycerol in Swine and Poultry	Johnston	\$66,550	\$66,550	This project consisted of four experiments designed to research the practical issues surrounding the handling and feeding of glycerol, to increase the demand for glycerol and provide increased economic competitiveness for biodiesel plants in Iowa. Determining the feeding value of glycerol compared to more expensive ingredients should also aid nutritionists in incorporating glycerol in swine and poultry diets.

Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
lowa Biodiesel Board	Biodiesel Education Program	Urbandale	\$50,000	\$95,000	This program aims to dispel myths, provide solid information, and remove barriers to greater biodiesel acceptance in Iowa among diesel mechanics, and, therefore, the consuming public. Working collaboratively with One Source Training, IBB aims to arm the diesel mechanics and renewable fuels instructors at 15 community colleges across Iowa with a biodiesel curriculum that can be implemented in their courses.
ISU	2008 Biobased Industry Outlook Conference	Ames	\$12,500	\$325,000	The 2008 Growing the Bioeconomy Conference was the 6th annual conference held at Iowa State University that focused on the latest advances in biofeedstock production, bioprocessing, utilization of biobased products, human, social and community dimensions of the bioeconomy, and the interface between the bioeconomy and climate change. The 2008 conference focused on technologies and strategies that will allow the Midwest to achieve the goals identified by the Midwestern Governors Coalition (MGC), North Central Bioeconomy Consortium (NCBC), the North Central Sun Grant (NCSG), and USDA REE.
Easy Energy Systems	Cellulosic Modular Ethanol Production	Emmetsburg	\$500,000	\$300,000	Easy Energy Systems, Inc. has developed the Modular Ethanol Production System (MEPS) for the conversion of various feedstocks into ethanol. Several of these feedstocks are cellulosic materials found throughout lowa. Easy Energy Systems is proposing to add the necessary equipment to the already existing prototype facility in Emmetsburg that can process cellulosic materials and convert them to cellulosic ethanol in a continuously operating plant. If successful Easy Energy Systems, Inc. plans to manufacture modular ethanol production units at its Emmetsburg plant near its pilot plant.
BioProcess Algae	BioProcess Algae Project, Phase II	Shenandoah	\$2,030,644	\$2,654,456	Phase 2 of the BioProcess Algae (BPA) project will build on the success of the Phase 1 concept, and continue to prove scalability by a scale jump of 18 times in production volume. Phase 2 will build on Phase 1 efforts to optimize growth of algae in the BPA Grower/Harvesters through improved utilization of light, more efficient carbon dioxide absorption, enhanced dewatering & water re-use, and will also allow for verification of growth rates, energy balances, and operating expenses, which BPA considers a few of the last steps prior to full economic modeling and commercialization.
AmbroZea, Inc.	Optimizing Multi- Tasking Yeast for Iowa's Ethanol Industry	Ames	\$1,500,000	\$14,500,000	The University of Iowa's Center for Biocatalysis & Bioprocessing (CBB) and Iowa State University's animal researchers have teamed up with AmbroZea and its partners to apply high-protein expression biotechnology to further optimize AmbroZea's multi-tasking yeast (S. cerevisiae) for commercial deployment in Iowa's fuel- ethanol industry. Multi-tasking yeast produce ethanol and high-value co-products (e.g. essential amino acids) that can convert existing ethanol plants into multi-product biorefineries.
DuPont Danisco Cellulosic Ethanol, LLC	Construction of a Cellulosic Ethanol Facility	Story or Webster County	\$9,000,000	\$226,155,334	DDCE has developed integrated solutions for the production of cellulosic ethanol, including all proprietary processes, operational information, and licensing. DDCE will construct a commercial-scale demonstration biorefinery facility capable of producing 25 million gallons per year of cellulosic ethanol in Iowa. DDCE's biorefinery will initially utilize corn stover as a feedstock in the production of cellulosic ethanol.
Growth Design Energy Mt. Valley, LLC	Commercialization of the Megyan Process for Biodiesel Production	Forest City	\$1,500,000	\$7,805,000	This project will construct a 3 MGY biodiesel refinery using second generation biodiesel refining technologies (Mcgyan Process) to be located near Forest City. The biodiesel refinery non-wood waste oils that traditional biodiesel refining processes are unable to use.
Quad County Corn Processors	Adding Cellulosic Process to Existing Corn Starch	Galva	\$1,450,000	\$7,702,230	This project will design and construct a full-scale demonstration plant of its patent pending process for applying a cellulosic ethanol process to the whole stillage. This cellulosic ethanol process produces more ethanol, creates a high-value protein feed product and recovers more corn oil than a conventional ethanol plant.
<b>Biofuels Total</b>			\$39,745,042	\$500,287,755	

Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
lowa Stored Energy Park	lowa Stored Energy Park	Dallas Center	\$3,200,000	\$2,000,000	The Iowa Stored Energy Park (ISEP) will be the nation's first Compressed Air Energy Storage ("CAES") facility to use a natural underground reservoir for compressed air energy storage from wind energy. Air will be compressed and stored in an underground aquifer using inexpensive off-peak electricity from wind turbines and from the grid. When power is wanted, the compressed air is released to drive combustion turbines, using natural gas or biofuels as fuel. These modified combustion turbines use much less fuel than other turbines since the air has already been compressed off-peak and because of the advanced heat recovery equipment.
University of Iowa	lowa Alliance for Wind Innovation & Novel Development (IAWIND)	Iowa City	\$3,000,000	\$1,950,000	IAWIND is implementing research and training components to realize the scope of university-based, large- scale gearbox testing facilities to support the continued growth of turbine component manufacturing in lowa. By doing this, IAWIND is supporting the State of lowa in its efforts to continue to attract and nurture wind energy and related industries, and to become the national leader in alternative energy technologies.
TPI Iowa LLC	TPI Wind Blade Advanced Manufacturing Initiative	Newton	\$2,100,000	\$4,200,000	This project collaborates with both Iowa State University and the Sandia National Laboratories and is working to foster the mass production of wind turbines in Iowa. Through improving labor productivity in wind manufacturing by up to 35%, this project will increase manufacturing with an Advanced Manufacturing Innovation Initiative. The results would be more employment opportunities in the state along with better-paying and technically-challenging employment possibilities.
Acciona Windpower North America, LLC	North American Commercialization of AW-3000 Wind Turbine	West Branch	\$3,055,000	\$16,857,178	This project will allow Acciona to install an AW-3000 3MW turbine on concrete towers for increased height. This is a critical step in commercialization of the AW-3000 to test the turbine in North America for Germanischer Lloyd Type certification. This project funding will also offset the high interconnection cost that is a unique characteristic of the Cedar County site when compared to other possible locations for testing.
Carbon-Free Energy, LLC	Vertical Wind Turbine Manufacturer	Oxford	\$250,000	\$171,885	Carbon-Free Energy's vertical orientation wind turbine is well suited to residential, farming, and small commercial market segments. A patent applied for technology has increased vane RPMs by 207% in wind tunnel tests with a scale model. Their proprietary generator design produces electricity in light wind speeds and can also take advantage of very high wind speeds, unlike wind turbines with a horizontal orientation.
Clipper Windpower, Inc.	Clipper Liberty Platform Upgrade	TBD	\$2,292,167	\$18,207,833	The project will construct and install a prototype wind turbine in Iowa which will be based on significant upgrades to its current 2.5MW Liberty platform and designed to be used at low wind speed sites. The prototype turbine will be used to do extensive validation of the new design. This project will also work with IAWIND for research and development activities and for education, training, and community outreach. Once the platform enhancements are commercialized, Clipper will manufacture the 2.5MW Liberty platform turbines designed for low wind speed sites at its Cedar Rapids facility.
Wind Total			\$13,897,167	\$43,386,896	
SOLAR					
ISU	Efficient, Low Cost, Photovoltaic Solar Energy Conversion	Ames	\$1,690,024	\$463,500	This project seeks to increase the conversion efficiency of thin film solar cells while also keeping their manufacturing costs relatively low. The goal is to produce electric power directly from sunlight without any fossil fuel consumption. This project would allow solar energy to become more cost-competitive with other forms of energy and would help to spur economic development in the solar energy sector.
UNI	Development of Less Expensive Dye Sensitized Solar Cells	Cedar Falls	\$78,681	\$18,600	This project seeks to develop a cheaper solar cell based on dye sensitized solar cell technology. Less expensive dyes are expected to be developed and their solar efficiency will then be tested. Once studies are completed, the research will be incorporated into an economically feasible device for sale to the general public.
PowerFilm	Commercialization of Building Integrated PV Product Line	Ames	\$220,000	\$228,000	This project will 1) develop manufacturing automation and solar panel test equipment to be able to supply the building integrated product line in production quantities; 2) install two solar array demonstration projects to demonstrate the building integrated product line to prospective customers and a loaner kit for commercial, community and civic groups to use for educational purposes; and 3) develop product information and marketing/education materials to show and explain the building integrate products and systems to prospective customers as well as for educational purposes.
Solar Total			\$1,768,705	\$482,100	

Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
ENERGY EFFI	CIENCY				
City of Dubuque	Sustainable Communities Through Integrated Information Technology	Dubuque	\$1,400,000	\$13,700,000	The City of Dubuque is creating an Integrated Sustainability Service model for measurement and monitoring of its energy and water systems, infrastructure components, and transportation networks with assistance from IBM. This system will allow City management and electric utility customers to track energy usage on a near real-time basis, track the impact of utilization changes, analyze the effectiveness of system design and incentives, and begin the process for cross-analytics with water and carbon utilization. The system will enable the City and its citizens to visualize and understand electric consumption patterns and the sustainability footprint of the community, as well as provide cross-analytics for all related areas of energy consumption within the community.
DED/DNR	AmeriCorps Green Corps Program	Des Moines	\$450,000	\$876,850	AmeriCorps is financing equipment, materials, and labor for this GreenCorps project. The project will leverage \$1,161,850 from the National Corporation for Community Service. These additional funds will be dispensed by the Iowa Commission on Volunteer Service for energy efficient rebuilding of areas of Iowa that were affected with natural disasters in the summer of 2008. AmeriCorps will conduct energy conservation and efficiency education programs, implement or advise property owners on energy efficiency and weatherization improvements, and recruit at least 1,000 volunteer labor hours per year in flood affected communities.
Tri-Phase Drying Technologies	First Commercial Application of an Ultra Energy Efficient Industrial Drying Technology	Cherokee	\$300,000	\$329,277	Tri-Phase Drying Technologies proposes to install the first full-scale commercial Tri-Phase II Dryer at American Natural Soy, an organic processer of oils, flour, and meal from soy, flax, canola, safflower, and sunflower seeds. The new dryer will consume approximately 750 BTU when operated at 65 degrees F to evaporate one pound of water from 113 bushels of soybeans per hour. The new technology replaces the current inefficient dryer which consumes approximately 4,000 BTU, thus saving approximately \$15,000-20,000 per year and reducing CO2 emissions by 220 tons per year.
City of Fairfield	Making Iowa's Cities Sustainable: The Fairfield Model for Energy Security and Economic Viability	Fairfield	\$80,000	\$44,800	The City of Fairfield is undertaking a sustainable city demonstration project, based on the goals of energy independence, community-based energy solutions, carbon neutrality, and a durable economic future. This multi-year project begins with a Phase 1 program of strategic planning for sustainability that incorporates an ongoing educational program and a new facility. To inform the planning process, two studies will be conducted: 1) identification of baseline data on energy use and green house gas (GHG) emissions by source and by sector; and 2) identification of opportunities for utilizing renewable resources. To provide critical educational support for the planning and implementation of sustainable solutions at the community and state levels, a Sustainability Learning and Visitor's Center will be built and utilized for short courses, for inresident internships in sustainability, and to serve as a focal point for regional eco-tourism, highlighting lowa's leading position in natural resource management.
Indigo Dawn	Green and Main: Model Energy Building	Des Moines	\$225,000	\$1,868,400	Use a renovated mixed-use masonry building that will apply for LEED Platinum certification as an energy efficiency case study and community educational tool.
Iowa Commission on Volunteer Services	lowa GreenCorps	Statewide	\$699,500	\$4,545,108	The lowa Commission on Volunteer Service proposes to expand existing GreenCorps programs and develop a new AmeriCorps program to train veterans or their families to implement energy efficiency improvements in low income, elderly, and veterans' homes throughout the state. This will be done through the lowa GreenCorps program, which builds capacity, trains volunteers, and implements major transformative projects in lowa communities.
Energy Efficien	icy Total		\$3,154,500	\$21,364,435	

Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
BIOMASS					
Amana Farms, Inc.	Amana Renewable Energy Project	Amana	\$1,082,575	\$4,077,449	This project aims to produce alternative renewable energy by combining cattle manure with organic industrial waste products in an anaerobic digester. The digester is expected to produce methane gas which would fire an engine set to generate base load electricity. This would create environmental benefits by turning crop, livestock, and industrial waste into renewable energy in a sustainable and profitable way.
UNI	Sustainable Production of Biomass with Mixture of Prairie Species	Cedar Falls	\$612,222	\$136,000	The Tallgrass Prairie Center is researching how to better use prairies for wildlife cover and for energy production. Their research seeks to show the optimal mixture of native prairie vegetation for maximum biomass production on non-prime agricultural land for electrical generation. It will also determine the most effective management plans for sustainable use of prairie vegetation for biomass production while maintaining wildlife habitats and other benefits.
Hybrid Power Centers, LLC	Hybrid Power Center	Des Moines	\$325,000	\$350,000	Hybrid Power Centers LLC's core strategy involves coupling two or more fuel sources into one power plant. The primary technology under development is a hybrid power plant that would combust both coal and biomass in a single integrated system. A technological advance review analysis demonstrates that the concept is viable using existing technology, can meet baseload energy nees at industrial scale, and can do so in a cost-efficient, environmentally friendly manner that returns investment to Iowa.
City of Cedar Rapids	21st Century Green Energy Project	Cedar Rapids	\$139,921	\$139,921	The 21st Century Green Energy Project Feasibility Study hopes to determine a path forward to implement a solution to critical, post-flood energy system issues in Cedar Rapids. Initially conceived as a study to determine proof-of-concept and viability for a renewable fuel-powered energy system in Cedar Rapids, the scope and importance of the study have grown to include in-depth analysis of a range of energy solutions to replace the flood-damaged steam plant. The study is bringing the full economic, environmental, and social implications together to provide a comparative analysis of the energy options and provide the basis for a community decision.
RENEW Energy Systems	Mobile Solid Biomass Briquette Plant	Osage	\$250,000	\$627,000	RENEW Energy Systems has constructed a facility and is in the process of installing a biomass briquette machine at the St. Ansgar, IA facility. The facility includes a loading platform, grinder, briquette machine, cooling racks, shipping capability, and office space for the biomass briquetting operation. This plant will process oat hulls, wood, corn stover, and meat casings and other materials that would have potentially been land-filled had they not been diverted into biomass briquettes.
Avello Bioenergy, Inc.	Demonstration of Pyrolysis Based Biorefinery Concept for Biopower, Biomaterials, & Biochar	Boone	\$2,500,000	\$4,644,406	This project will demonstrate and advance the commercialization of biomass to produce bio-based petroleum replacements for asphalt pavements and roofing shingles, fuels for clean power generation, chemicals and soil improvement while providing carbon sequestration opportunities. A team of industry and academia partners will join Avello Bioenergy to build a demonstration scale biomass fast pyrolysis plant to supply renewable industrial fuels and bio-products for full-scale pre-commercial tests and market development. The production of semi-commercial quantities of products will allow commercial partners to conduct asphalt paving and roofing trials, combustion studies, and chemical and biofuel application screening tests over a 2-year period.
SynGest Menlo, LLC	BioAmmonia Production from Biomass	Menlo	\$2,500,000	\$3,500,000	This project will consist of supporting the Front End Engineering and Design (FEED) stage for the SynGest BioAmmonia technology. The project will translate a series of Process Flow Diagrams (PFDs) into specific equipment specifications for unit operation, plumbing, piping, pumps and compressors and will incorporate the final vendor selection as appropriate. Additionally an accurate capital cost estimate (+/- 10%) as well as an accurate projected operating cost will be developed.
PL Energy LLC	On-Farm Gasification of Poultry Litter	Webster City	\$2,000,000	\$3,000,000	This project will support the commercialization phase of an on-farm poultry litter gasifier, including extended duration testing of the core technology at pilot scale, and design, engineering, and construction of a demonstration-scale gasifier system to be installed at Denyon Farms near Webster City, Iowa

Principal	Project Title	City	Committed Funding	Committed Match	Project Facts and Benefits to Iowa
UNI	Prairie Power Project-Phase II	Cedar Falls	\$437,078	\$438,139	This is the second phase of a project which will verify research findings that mixtures of perennial prairie species produce significantly greater biomass than monocultures and to determine the best mixture for maximum sustainable production of biomass while maintaining wildlife habitat. The goals of this project are to: 1) complete the determination of maximum production of biomass by mixtures of prairie species and the effect on wildlife habitat, 2) determine effects of frequency of harvesting on biomass production and patterns of harvesting on wildlife, 3) determine energy production and stack by-products from combustion of prairie biomass in CFU furnace, and 4) measure the amount of carbon sequestered by different mixes of prairie species over five years.
<b>Biomass Total</b>			\$9,846,796	\$16,912,915	
TRANSPORT	ATION				
UNI	Novel Hydrogen Storage Materials for Fuel Cell Application	Cedar Falls	\$400,000	\$165,000	The University of Northern Iowa's Novel Hydrogen Storage Materials for Fuel Cell Application involves the development of a high density storage material for use in hydrogen fuel cells. An economically competitive hydrogen fuel cell would revolutionize the energy storage industry and make possible a new class of pollution free vehicles. The potential applications represent a vast opportunity, ranging from electronics to large scale industrial machinery.
Consumers Energy Cooperative	Plug-in Electric Hybrid (PHEV)	Marshalltown	\$19,000	\$81,205	Consumers Energy has purchased and retrofitted a standard hybrid electric vehicle (HEV) and converted it into a Plug-in Electric Vehicle (PHEV) that can be charged using a standard electrical outlet. They are testing and monitoring the vehicle to determine its performance level in Iowa's climate. They are also working to assess the viability of converting internal combustion engine (ICE) fleets to PHEV.
Transportation	n Total		\$419,000	\$246,205	
OTHER					
Trees Forever, Inc.	Community Education on Energy and Environmental Benefits from Green Infrastructure	Marion	\$232,249	\$738,401	Trees Forever is working with ten communities that were impacted by natural disasters to develop long-term tree planting efforts that maximize energy savings and carbon sequestration. The recent natural disasters took a heavy toll on thousands of mature urban trees throughout the state. This Power Fund project engages volunteers, students, and city leaders in selected communities to replant and grow their urban tree canopy by identifying optimum sites available, choosing from a list of large benefit-producing shade tree species, and developing long-term management and maintenance plans.
UNI	Annual Iowa Energy Poll	Cedar Falls	\$51,455	\$0	The lowa Energy Poll collected, analyzed, and presented unbiased data regarding the opinions of lowans on energy. The surveys showed how lowans currently feel about state energy policies and what drives them to make the decisions they do about their own energy usage. Three separate mailings to 7,000 households targeted 21,000 lowa residents in the course of this project. Subsequent surveys measured changes in attitudes and behaviors and the impact of newly adopted policies, programs, and activities implemented since the initial survey to determine effectiveness and return on investment.
I-Renew	I-Renew Energy & Sustainability EXPO 2008	Iowa City	\$41,000	\$52,000	The lowa Renewable Energy Association (I-Renew) hosted the I-Renew Energy EXPO for 2008. The event is important for new businesses in energy efficiency and renewable energy to network with others, recruit new customers, and for consumers to learn about energy issues from the beginning levels to the advanced.
I-Renew	I-Renew Energy & Sustainability Expo 2009	lowa City	\$30,000	\$110,000	The Iowa Renewable Energy Association (I-Renew) hosted the I-Renew Energy EXPO for 2009. The event is important for new businesses in energy efficiency and renewable energy to network with others, recruit new customers, and for consumers to learn about energy issues from the beginning levels to the advanced.
lowa Environmental Council	Energy Independence Education Project	Des Moines	\$20,000	\$64,300	The Iowa Environmental Council, in collaboration with Iowa State University and University of Iowa, will bring author and speaker Bill McKibben to Iowa for three days to speak in Ames, Des Moines, and Iowa City. He will focus on renewable energy and energy efficiency as solutions to mitigate energy usage and enhance energy independence.

Principal	Project Title	City	Committed	Committed	Project Facts and Benefits to Iowa
Principal	Project fille	City	Funding	Match	Project Pacts and Benefits to Iowa
Iowa Regents' Universities (ISU)	Harnessing Energy Flows in the Biosphere	Ames	\$2,000,000	\$20,000,000	The three Regents' Universities submitted a grant application to the National Science Foundation (NSF) Experimental Program to Stimulate Competitive Research (EPSCoR) in September, 2010. The award of this Power Fund Grant is contingent upon receipt of \$20 million from the NSF. The goal of this project is long- term economic development in Iowa through expansion of the state's research capacity in renewable energy technologies.
Amjet Turbine Systems, LLC	Validation Testing of an Unconventional Low-Cost Integrated Hydroelectric Generator	Keokuk	\$325,000	\$200,000	Amjet Turbine Systems, LLC will validate the design of a 63-inch turbine generator at 1/8 scale in a lab setting at IIHR - Hydroscience and Engineering at the University of Iowa before beginning construction of full-scale model for testing.
lowa Western Community College	I-Weatherize - A Competency-Based Weatherization Installation Certification Training Program	Council Bluffs	\$110,700	\$274,610	lowa Western Community College will purchase and retrofit a mobile training lab consisting of a truck and fifth-wheel trailer for the I-Weatherize program. The mobile lab will allow IWCC to take their I-Weatherize training to all five campus sites covering a seven county region. I-Weatherize is a weatherization installation training program funded by the State Energy Sector Partnership. Recruitment will be focused on veterans, unemployed, underemployed and minority applicants. Upon successful completion, participants will receive certification in weatherization installation and be linked to job opportunities.
Other Total			\$2,810,404	\$21,439,311	
IPF APPROVE	D PROJECTS TOTAL		\$71,641,614	\$604,119,617	