NOW TRENDING...
AT A MINIMUM, 75% OF CONSUMERS EXPECT PRIVATE SECTOR FIRMS TO “NOT HARM THE ENVIRONMENT”

SOURCE: COUNCIL ON FOUNDATIONS
64% OF MILLENNIALS WON’T WORK FOR A COMPANY THAT DOESN’T HAVE STRONG CORPORATE SOCIAL RESPONSIBILITY COMMITMENTS

SOURCE: CONE COMMUNICATIONS
MORE THAN HALF OF GEN Z SAY THEY WOULD PAY EXTRA FOR A SUSTAINABLE PRODUCT

SOURCE: STOREBRANDS
OVER 600 OF THE LARGEST GLOBAL COMPANIES HAVE SET OR COMMITTED TO SET DECARBONIZATION TARGETS

SOURCE: FORBES
IOWA’S CARBON DIOXIDE EMISSIONS HAVE DECREASED BY 18% SINCE 2008

SOURCE: ENERGY INFORMATION ADMINISTRATION
Sustainability is both the cost of doing business and the key to attracting workforce.
The Iowa Energy Office

Manage a diverse mix of state, federal & utility-funded programs and initiatives

- Focus on providing energy-economic benefits for Iowa’s citizens, businesses and organizations
Evolution of Iowa Energy Office

- **2011**: Energy Office Moved to the Iowa Economic Development Authority
- **2013**: Iowa Energy Plan Initiative Announced
- **2014**: Collaborative, Comprehensive & Forward-Looking
- **2015**: Strategic Blueprint that Solidifies Iowa as a Global Energy Trailblazer
- **2016**: Iowa Energy Plan Released
- **2017**: Iowa Energy Center Legislatively Moved to the Iowa Economic Development Authority
- **2018**: New Center Mission to Support Iowa Energy Plan Implementation
- **2019**:
"THE IOWA ENERGY OFFICE APPEARS TO BE A VERY PROFESSIONAL, KNOWLEDGEABLE AND FORWARD-LOOKING ORGANIZATION AS DEMONSTRATED BY THE SUCCESS OF THE IOWA ENERGY PLAN AND THEIR ENGAGEMENT WITH STAKEHOLDERS."

- SHARON GILL
U.S. DEPARTMENT OF ENERGY
Supporting Energy Efficient Business

Certified Energy Managers (CEM) Training

- Grant to the Iowa Sustainable Business Forum to cover costs of training and certifying 50 Iowa professionals as CEMs
  - John Deere, Siemens, Des Moines Public Schools, Bridgestone America’s Tire Operations and Fareway Meat & Grocery

Program for Rural Small Businesses

- Grant for University of Northern Iowa Waste Reduction Center
- Program to reduce energy consumption by offering comprehensive, on-site tech assistance
- Specifically tailored to the needs of rural small businesses
Supporting Energy Efficient Homes

Low- to Moderate-Income Households
  • Grant for Green Iowa AmeriCorps to offer energy efficiency expertise

Correctional Workforce Training
  • Grant for Newton Correctional Facility / Iowa Prison Industries
  • Enhances energy efficient building practices within homebuilding program
Energy Storage Action

Iowa Energy Storage Committee

- Diverse group of 17 stakeholders
- Committee collected input and recommendations for embracing storage
- IEDA released the “Iowa Energy Storage Action Plan” in May 2019
- Late-October, IEDA issued an RFP for assessing the economic value of storage
Energy Storage Action

Pilot-scale and Replicable Projects

• Provided grant for large-scale solar + battery storage projects in Fairfield
• Provided grant for research project on MiEnergy Cooperative’s residential battery project
• Several other energy storage projects under consideration for funding
Mobile Energy Storage System

Think of a PODS Moving Container

- Mobile solar + storage resiliency resource
- Deployed during natural disasters (e.g., tornados, flooding)
- National Guard can transport via truck or helicopter
Combined Heat and Power (CHP)

- Generates electricity and thermal load at the same time
- Improves system efficiency
- 2019, IEDA evaluated the potential for CHP at several sites ranging from industry to the National Guard
On-Farm Potential – Renewable Natural Gas (RNG)

Abundant Biomass Resources:
- Manure
- Corn stover and Cover crops
- Landfills
- Food waste

Three On-Farm Systems Producing Energy Plus:
- Revenue
- Water quality benefits
- Odor control
- Landfill diversion
- Soil Health
Municipal Wastewater Treatment Potential

- Abundant biogas potential
- Investment of $2.5 billion in capital improvement projects
- Biogas provides a revenue stream
- Dubuque and other cities leading this approach
Electric Vehicles (EVs)

Understanding the Potential
- The legislature in 2018 directed IEDA to study the state's EV infrastructure
- “Charging Forward” was released in February 2019
- Evaluates costs, benefits and support needed to expand infrastructure

EV Charging Stations
- Iowa DOT expected to announce funding in November/December 2019, using Volkswagen Settlement funds
- Sign up for announcements: iowadot.gov/vwsettlement

IOWA EV REGISTRATION

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<tr>
<th>Date</th>
<th>Number</th>
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NEARLY 25% GROWTH
IN 6 MONTHS
Cyber Security and the Grid

Midwestern Governor’s Association (MGA)
• As MGA Chair, Governor Reynolds has a focus on grid modernization

Cyber Security Issues will Require:
• More trained professionals
• Ongoing employee awareness
• Support for smaller utilities
Thank you!

• Consider attending IEDA sessions throughout the Summit today
• We’re always looking for innovative, impactful projects and ideas to consider for support
• Feel free to email or call our office and we can help guide you (brian.selinger@iowaeda.com or 515-348-6220)

Questions?