

# IOWA ENERGY PLAN

Collaborate locally.  
Grow sustainably.  
Lead nationally.

December 2016



IOWA ENERGY PLAN IS A JOINT INITIATIVE BETWEEN

**IOWA.** | **IOWADOT**

# Iowa Energy Plan

In total; 45 strategies make up the Energy Plan.

Further, 7 key focus areas were identified:

## Economic Development and Energy Careers

- ✓ Energy Workforce Development
- ✓ Technology-Based Energy R & D (e.g. energy storage pilot projects)

## Iowa's Energy Resources

- ✓ Biomass Conversion

## Transportation and Infrastructure

- ✓ Natural Gas Expansion in Underserved Areas
- ✓ Electric Grid Modernization
- ✓ Alternative Fuel Vehicles

## Energy Efficiency and Conservation

- ✓ Support for Rural and Underserved Areas

# Completed & On-going efforts

- DOE/NASEO best practice for Energy Plan
- Iowa Energy Plan Implementation Letter
- Iowa Energy Center
- Biomass Conversion Action Plan
- IAMU pilot project
- Natural Gas Expansion
- EV infrastructure study w/ recommendations (IEDA, DOT, Utilities)
- Workforce Consortium
- Buildings, Benchmarking & Beyond (B3)

# Energy Storage Committee Update

- Technology Based R&D key focus area
- Similar structure to the Biomass Action Committee
- Diverse group of state energy stakeholders
  - Utilities, Environmental, ABI, DOT, National Guard, Solar Rep, Wind Rep, State Universities, IUB, ITC, MISO and Labor
- Goal of the Storage Committee
- Educate and develop recommendations

# 1<sup>st</sup> Energy Storage Committee Meeting

- June 1<sup>st</sup> at IEDA
- Premise: What have we learned? What is the current landscape?
- ISU
  - 2011 CAES project – 270MW
  - Studies & ongoing efforts
- REC storage initiatives
- IUB regulation landscape

# 2<sup>nd</sup> Energy Storage Committee Meeting

- August 6<sup>th</sup> at Boy Scouts Headquarters in Des Moines
- Premise: Funding sources & ongoing efforts
- Iowa Energy Center
- NextEra
  - Storage overview & pilot projects
- Ideal Energy

# 3<sup>rd</sup> Energy Storage Committee Meeting

- October 28<sup>th</sup> at IEDA
- Premise: Review, discuss & finalize recommendations
- Education & Awareness
  - Technology neutral
  - Benefits of storage (resiliency, peak shaving, load shifting)
- Categories of customers (Behind, In-front, T&D)
- Customer Classes (Residential, Business, Industrial)
- How much storage would Iowa need?

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