

IOWA ENERGY PLAN



Purpose of the Presentation

- Offer Energy Plan **Overview**
- Provide **Update on Stakeholder Input**
- **Communicate Next Steps** in the Process
- **Question and Answer**

Iowa Energy Plan

- **Being developed by** Lt. Governor Reynolds, Iowa Partnership on Economic Progress (IPEP), Iowa Economic Development Authority (IEDA) and Iowa Department of Transportation (DOT)
- **Vision for Iowa's Energy Future** through setting priorities, creating strategic but implementable action items
- **Consultant assistance** in plan development and stakeholder facilitation
- **Stakeholder participation** through agency outreach, working groups, and public forums

Energy Plan Pillars

Economic Development and Energy Careers

- ✓ Workforce training
- ✓ Research and development
- ✓ Manufacturing of energy related products

Iowa's Energy Resources

- ✓ Renewable
- ✓ Traditional
- ✓ Alternative fuels
- ✓ Energy storage

Transportation and Infrastructure

- ✓ Power generation
- ✓ Transmission and distribution
- ✓ Vehicle fuels
- ✓ Energy assurance
- ✓ Freight efficiency

Energy Efficiency and Conservation

- ✓ Building codes
- ✓ Consumer education
- ✓ Financing and incentive programs

**This list represents potential subtopics and is not a complete list of subtopics that could be considered during the Iowa energy planning process

Agency / Organization Meetings

OBJECTIVES

- Gather information on energy policies and programs
- Gain understanding of how energy plan might address/support their needs

OUTCOME

39 meetings with state agencies and stakeholder organizations

Takeaways from Agency Meetings:

- **Lead by Example**
 - “Practice what plan might encourage” Agencies embracing energy efficiency; bulk purchasing of alternative fuel vehicles, etc.
- **Economic Development via Innovation**
 - Opportunity for further agency collaboration with universities and private sector to support research and development in the energy space
- **Collaboration**
 - Coordination amongst state agencies to stay informed; provide shared support; break down silos, etc.

Public Forums

MARCH	TUESDAY 29 Ames	WEDNESDAY 30 Storm Lake	THURSDAY 31 Council Bluffs
	TUESDAY 12 Ottumwa	WEDNESDAY 13 Cedar Rapids	THURSDAY 14 Dubuque



Public Forums

OBJECTIVES

- Communicate the plan development process
- Share findings from the assessment of Iowa's Energy Position
- Allow the public to provide input on energy in Iowa
- Identify areas of interest or concern
- Identify best practices

OUTCOME

Six public forums attended by 217 individuals

Over 100 public comments received

Takeaways from Public Forums:

- **Mandates vs. Incentives**
 - Preference of a carrot vs. stick in terms of outcomes of the energy plan
- **Diversity of Energy Resources**
 - Some pushed for 100% renewable energy
 - Others support renewables, but caution that a diverse portfolio be maintained to ensure affordability and reliability
- **Support vs. Concerns of Exporting Energy Resources**
 - Some support export of excess power capacity out-of-state for economic development benefits
 - Others do not like the movement of Iowa's energy resources across and ultimately out-of-state

Working Groups

OBJECTIVES

- Share expertise around topic areas
- Identify opportunities and issues
- Assist in the development of a vision statement and guiding principles
- Develop objectives and strategy recommendations

OUTCOME

Participation by **48 individuals**

Five facilitated in-person meetings per working group

Collaboration via an **online platform**

Public access to meetings via webinar and website access to materials

Takeaways from Working Groups:

- **Build Upon Iowa's Leadership in Renewable Energy**

- Continue development of renewable energy at both utility and localized / distributed levels
- Business development opportunities for companies seeking not only affordable / reliable energy, but also those wanting to be powered by renewable sources

- **Diversity of Energy Resources**

- Similar to public comments - Some support 100% renewables; others aren't opposed to renewables but caution that diverse portfolio needs maintained for affordability and reliability
- Not all utilities created equal

Takeaways from Working Groups:

- **Robust Infrastructure System**

- Evaluate potential barriers to energy transmission and pipeline projects
- Explore ideas (public/private partnerships) to further build out natural gas delivery system, particularly in rural areas
- Interconnected transportation system to optimize movement of goods and people; minimize cost; improve travel time; enhance safety; improve supply chain efficiencies, etc.

- **Education / Training / Workforce Development**

- Need to increase local talent pool for local energy related careers

Vision Statement

Iowa is committed to the development of an affordable, reliable and sustainable energy system that maximizes economic benefits for our state.

We will continue to embrace energy efficiency, a mix of energy resources, infrastructure, and technologies to position all of Iowa – both rural and urban – for future growth.

As a clean energy leader, our efforts will drive innovation, foster research and development, create business and career opportunities and promote environmental stewardship.

Guiding Principles

The objectives and strategies put forth in the Iowa Energy Plan will:

- Foster long-term energy affordability and price stability for Iowa's residents and businesses
- Increase the reliability, resiliency, safety and security of Iowa's energy systems and infrastructure
- Stimulate research and development of new and emerging energy technologies and systems
- Provide predictability by encouraging long-term actions, policies and initiatives

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Guiding Principles

The objectives and strategies put forth in the Iowa Energy Plan will:

- Expand opportunities for access to resources, technologies, fuels and programs throughout Iowa in a manner that results in a fair and balanced outcome for all customers
- Seek diversity in the resources that supply energy to and within Iowa while preserving fair and reasonable costs for customers
- Support alternative energy resources, technology, and fuel commercialization in proven, cost-effective applications
- Encourage sector-based workforce development and educational activities that build clear pathways to rewarding energy careers
- Promote the protection of the environment and Iowa's natural resources

Next Steps in the Process:

- Planning team **analyzing inputs** (from stakeholders & informative reports) and **plan writing continues**
- Consultant partners conducting **economic and environmental impact assessment**
- Updates and planning resources to be provided via **iowaenergyplan.org**
- **Final Plan to be released** at the end of 2016
- **Implementation collaboration** to occur in early 2017!

Questions and Answers

