

Integrating Federal Energy Policy

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Office of Policy & International Affairs

U.S. Department of Energy

March 25, 2013

Senate Committee on Agriculture, Nutrition, and Forestry

Senate Committee on Appropriations – Energy and Water

Senate Committee on Armed Services

Senate Committee on Banking, Housing, and Urban Affairs

Senate Committee on Commerce, Science, and Transportation

Senate Committee on Energy and Natural Resources

Senate Committee on Environment and Public Works

Senate Committee on Finance

Senate Committee on Foreign Relations

House Committee on Agriculture

House Committee on Appropriations – Energy and Water

House Committee on Armed Services

House Committee on Energy and Commerce

COMMITTEE

AGENCY

S.C. on Agriculture & Forestry

Agriculture

S.C. on Appropriations – Energy and Water

Energy

S.C. on Armed Services

Defense

S.C. on Banking, Housing, and Urban Affairs

HUD

**S.C. on Commerce, Science,
&Transportation**

Commerce

Transportation

S.C. on Energy and Natural Resources

Energy, Interior

S.C. on Environment and Public Works

EPA

S.C. on Finance

Treasury

S.C. on Foreign Relations

State

H.C. on Agriculture

Agriculture

H.C. on Appropriations – Energy and Water

Energy

COMMITTEE

ENERGY FOCUS

S.C. on Agriculture & Forestry

Bioenergy, Utilities

S.C. on Appropriations – Energy and Water

R&D, Hydropower

S.C. on Armed Services

Deployment

S.C. on Banking, Housing, and Urban Affairs

Efficiency

S.C. on Commerce, Science,
&Transportation

Exports

Roads, Rail, Ports...

S.C. on Energy

RDD&D

&Natural Resources

Extraction

S.C. on Environment and Public Works

Pollution

S.C. on Finance

Tax credits

S.C. on Foreign Relations

Diplomacy

H.C. on Agriculture

Bioenergy, Utilities

COMMITTEE**NOTED LEGISLATION****S.C. on Agriculture & Forestry****Farm Bill (2007)****S.C. on Appropriations – Energy and Water****DOE Budget (2010)****S.C. on Armed Services****NDAA (2010)****S.C. on Banking, Housing, and Urban Affairs****Frank-Dodd (2010)****S.C. on Commerce, Science,
& Transportation****America COMPETES****SAFETEA-LU (2005)****S.C. on Energy****EISA (2007)****& Natural Resources****EPAAct (2005)****S.C. on Environment and Public Works****Clean Air Act (1992)****S.C. on Finance****EPAAct (2005)****S.C. on Foreign Relations****Atomic Energy (1954)****H.C. on Agriculture****Farm Bill (2007)**

Congressional organization is reflected in the distribution of Executive Branch authorities.

| Congressional Committees with Energy Jurisdiction | |
|---|--|
| HOUSE | SENATE |
| Agriculture | Agriculture, Nutrition, and Forestry |
| Appropriations | Appropriations |
| Armed Services | Armed Services |
| Budget | Banking, Housing and Urban Affairs |
| Energy and Commerce | Budget |
| Financial Services | Commerce, Science and Transportation |
| Foreign Affairs | Energy and Natural Resources |
| Homeland Security | Environment and Public Works |
| Judiciary | Finance |
| Natural Resources | Foreign Relations |
| Oversight and Government Reform | Health, Education, Labor and Pensions |
| Science, Space and Technology | Homeland Security and Government Affairs |
| Small Business | Indian Affairs (Special Committee) |
| Transportation and Infrastructure | Judiciary |
| Veterans' Affairs | Small Business and Entrepreneurship |
| Ways and Means | Veterans' Affairs |

Source: Bipartisan Policy Center, "The Executive Branch and National Energy Policy," 2012

Policy Objectives Supported by Obama Administration

Responsibly develop domestic energy resources

Double energy productivity by 2030

Double renewable energy (again) between 2012 and 2016

Develop 40,000 MW of additional Combined Heat & Power by 2020

Reduce U.S. GHG emissions 17% below 2005 by 2020

[Also supported climate bill with 83% below 2005 by 2050 target]

Reduce global GHG emissions 50% by 2050

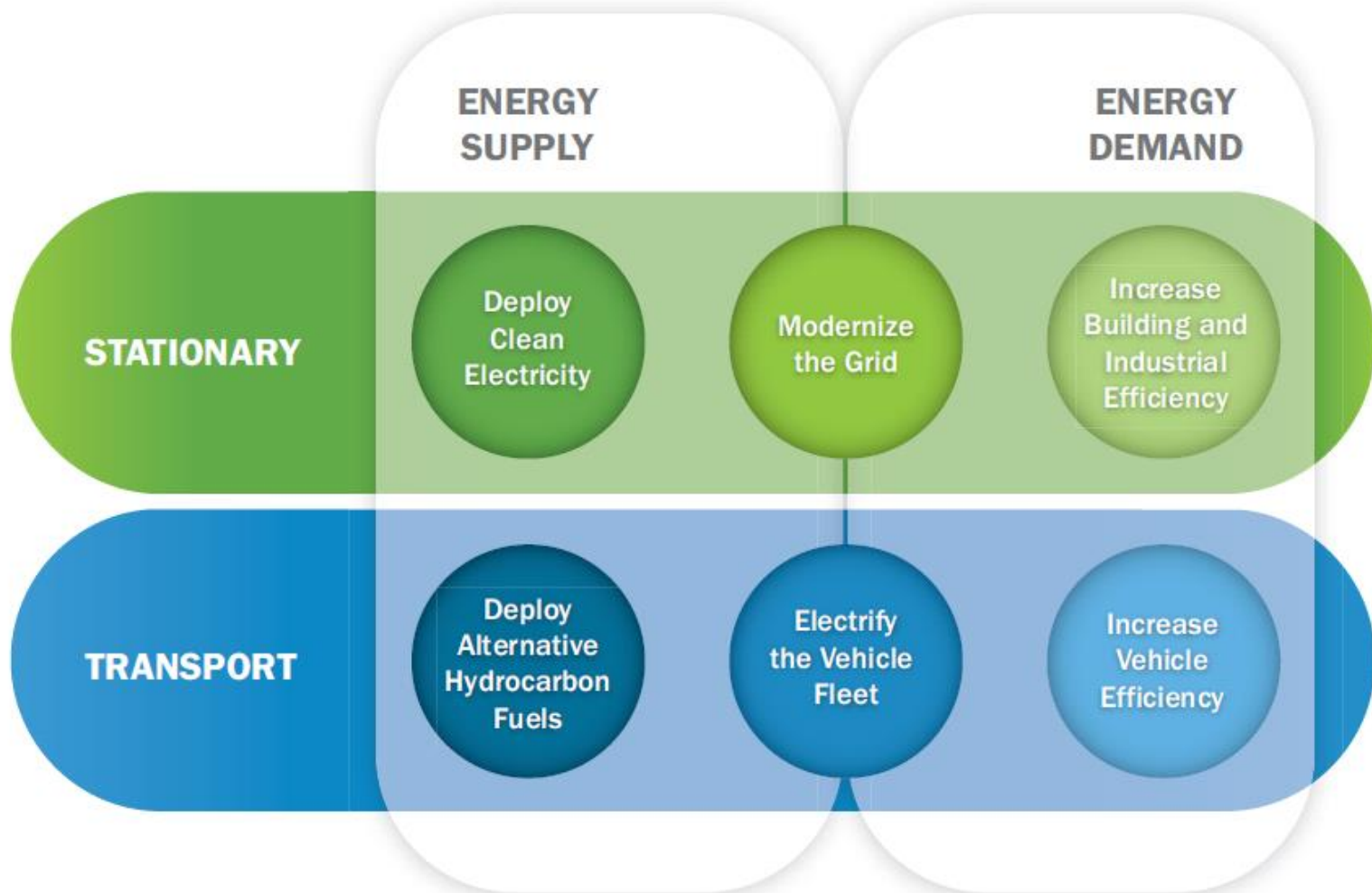
Modernize the electric power grid

End fossil fuel subsidies

Also see:


***Blueprint for a Secure Energy Future:
One Year Progress Update***

Dept of Energy: Six Strategies



Department
of Energy

Many Federal Agencies
Support
Clean Energy Development



Basic
Science

Feasibility
Research

Technology
Development

Technology
Demonstration

Small Scale
Deployment

Large Scale
Deployment

Department of Energy

Treasury

FERC
HUD

Homeland

Interior

Commerce

Education & Labor

EPA

Defense

Transportation

Agriculture

Department of Energy

Many Federal Agencies Support Clean Energy Development

Basic Science

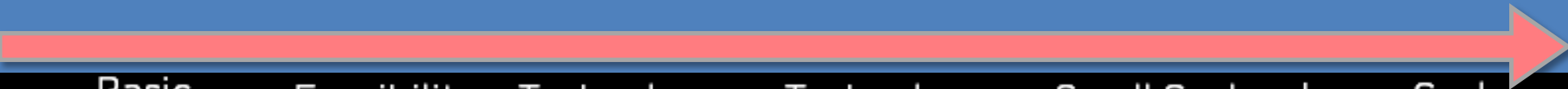
Feasibility Research

Technology Development

Technology Demonstration

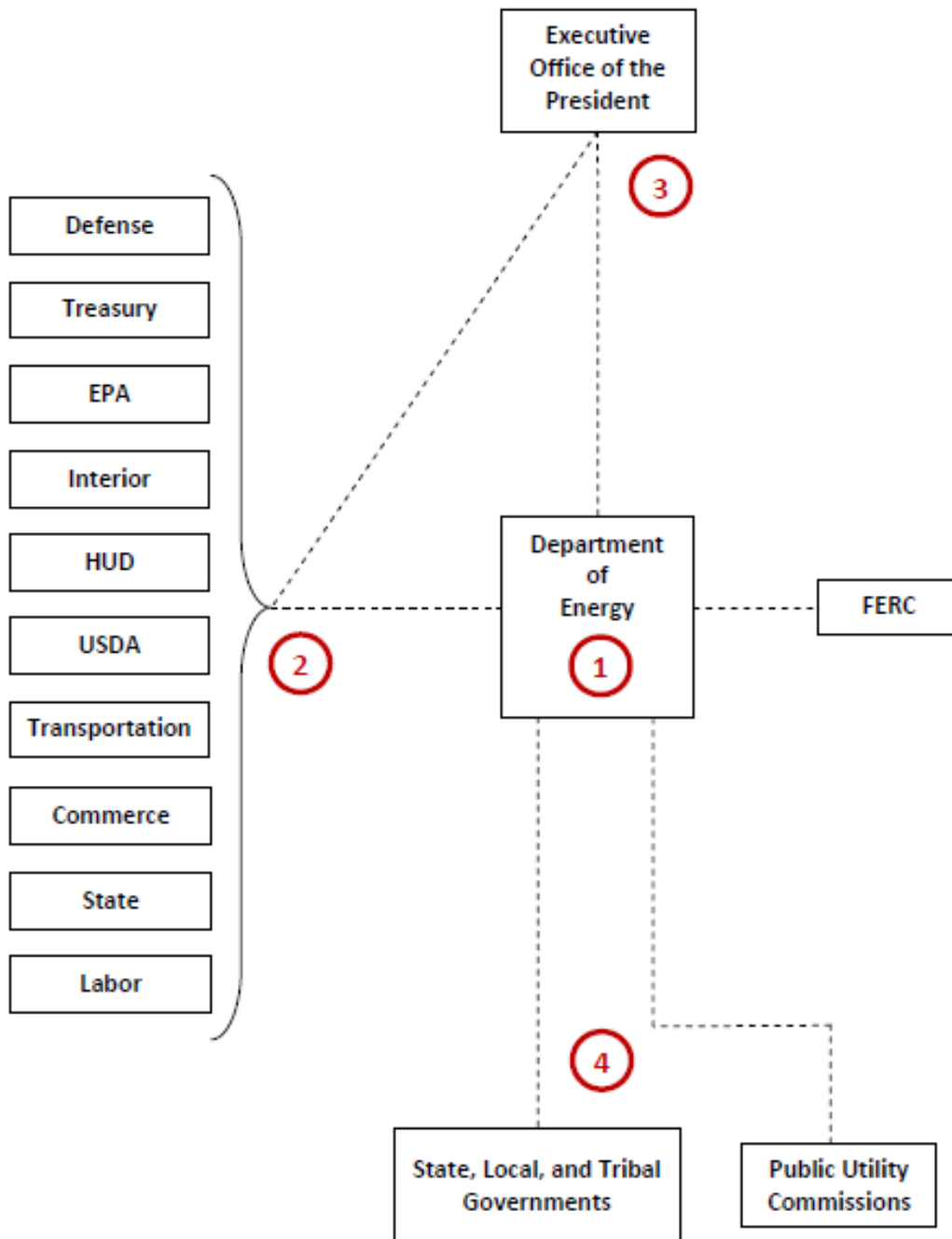
Small Scale Deployment

Large Scale Deployment



| | Energy for Stationary Services | | | Energy for Transportation | | |
|--------------------------|--------------------------------|------|---------|---------------------------|------------------|----------|
| Department / Agency | Power & Heat | Grid | End Use | Produce Fuels | Distribute Fuels | Vehicles |
| Agriculture | | | | | | |
| Commerce | | | | | | |
| Defense | | | | | | |
| Energy | | | | | | |
| EPA | | | | | | |
| Homeland Security | | | | | | |
| HUD | | | | | | |
| Interior | | | | | | |
| Labor | | | | | | |
| State | | | | | | |
| Transportation | | | | | | |
| Treasury | | | | | | |
| FERC | | | | | | |

Paths for Using Existing Authorities to Pursue Administration Policy Objectives



**Energy Frontier
Research Centers**

Energy Innovation Hubs

ARPA-E

**DOE Applied Offices:
EERE, OE, NE, FE**

**Loan Guarantee Program,
Tax Credits, etc**

Basic
Science

Feasibility
Research

Technology
Development

Technology
Demonstration

Small Scale
Deployment

Large Scale
Deployment

Private Sector Participation in Public Investments in Innovation

Using federal funds to leverage substantial private investment

Cost share

~ 20%

Energy
R&D

National
Labs

ARPA-E

Hubs

EFRCs

Cost share

~ 20-50%

Innovation,
Demonstration

Prototypes,
pilot projects,
pre-commercial demo
projects

Cost share

~ 50 -90%

Deployment

Fully commercial
technologies
deployed through
tax credits and
loan guarantees

ENERGY INNOVATION PORTAL

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- FEEDBACK

EERE » [Energy Innovation Portal](#)

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Find information on energy efficiency and renewable energy technologies available for licensing developed by U.S. Department of Energy laboratories and participating research institutions.

[Learn more about working with DOE laboratories.](#)



[Show text version.](#)

FEATURED TECHNOLOGIES



Sandia National Laboratories
Hedgehog™ Water Contaminant Removal System

ENERGY INNOVATION PORTAL CONTENTS

| | |
|--------------------------------|--------|
| Technology Marketing Summaries | 323 |
| Patents | 11,721 |
| Patent Applications | 3,555 |
| Emerging Technologies | 22 |

SEARCH

Search for energy efficiency and renewable energy technologies available for licensing, emerging technologies, patents, and patent applications.

[Advanced Search](#) [Search Help](#)

BROWSE

TECHNOLOGIES **PARTNERS**

- [Advanced Materials](#)
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- [Building Energy Efficiency](#)
- [Emerging Technologies](#)
- [Hydropower, Wave and Tidal](#)
- [Industrial Technologies](#)

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SUCCESS STORIES

[U.S. Department of Energy's Argonne National Laboratory Win Deals of Distinction Award](#) [▶](#)
Success story from ANL

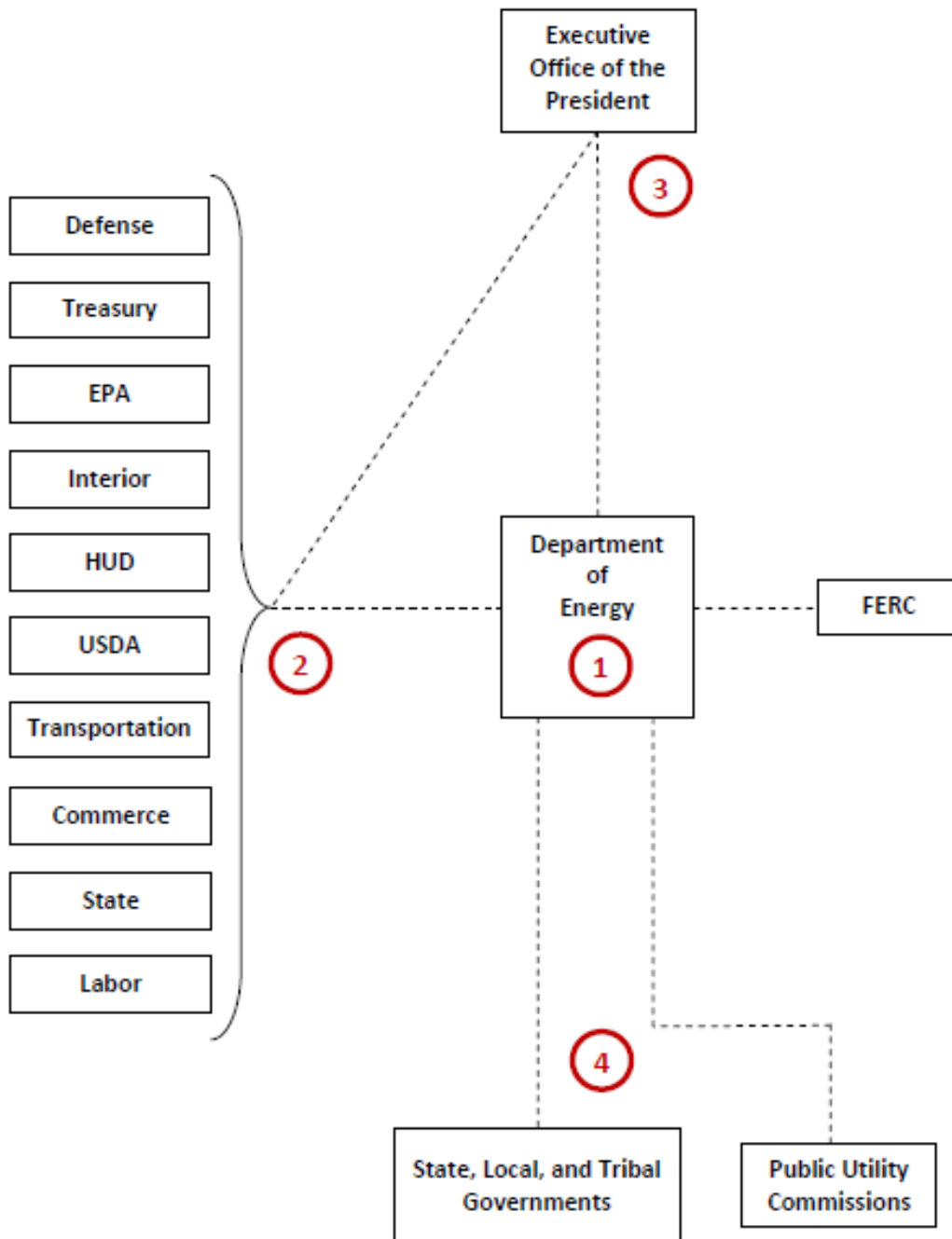
[The Quest for Inexpensive Silicon Solar Cells](#) [▶](#)
Success story from NREL

[Thin-film coating technology covers earth ground- and products](#) [▶](#)
Success story from PNNL

EVENTS

[2011 National SBIR/STTR Conference](#)
Apr 10th - 13th, Madison, WI

Paths for Using Existing Authorities to Pursue Administration Policy Objectives





Office of Management & Budget



Council on Environmental Quality



Office of Science & Technology Policy



Domestic Policy Council



National Security Council

National Economic Council

BLUEPRINT FOR A SECURE ENERGY FUTURE



March 30, 2011

[Sequel documents:](#)

Progress Update: March 2012

Blueprint for a Clean and Secure Energy Future Memo: March 2013

Blueprint for a Secure Energy Future



March 30, 2011

Develop and Secure America's Energy Supplies

- Expand safe and responsible domestic oil & gas production
- International engagement on clean energy

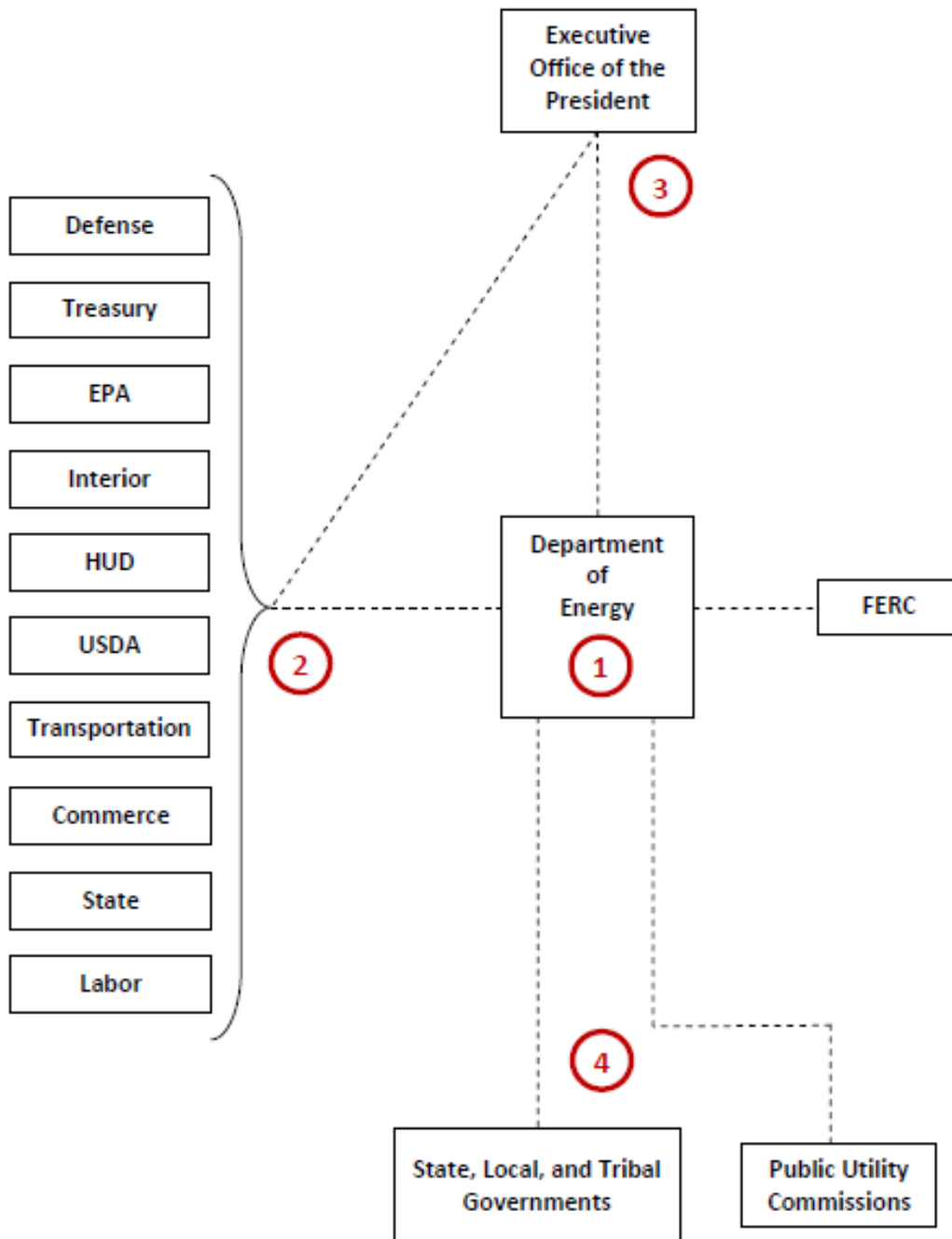
Provide Consumers with Choices to Reduce Costs, Save Energy

- More efficient cars & trucks as well as homes & buildings

Innovate Our Way to a Clean Energy Future

- Invest in research & development
- Lead by example: Federal government energy strategies

Paths for Using Existing Authorities to Pursue Administration Policy Objectives



DOD leadership on energy security



QUADRENNIAL DEFENSE REVIEW REPORT



AIR FORCE ENERGY PLAN 2010

Energy for the Warfighter: **OPERATIONAL ENERGY STRATEGY**

ARMY ENERGY SECURITY IMPLEMENTATION STRATEGY



A NAVY ENERGY VISION FOR THE 21ST CENTURY



TEN BY '10

Top 10 Things To Do by 2010
to Reduce USMC Energy Risks



U.S. Dept of Agriculture

www.usda.gov/energy

You are here: [Home](#) / [Energy](#) / [Energy Matrix](#)

Energy

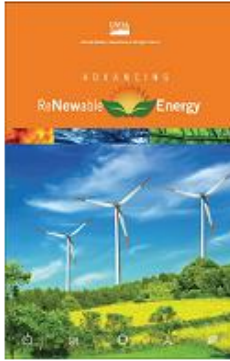
Agency:
Program Group:
Energy Type:
Assistance Type:
Sort by:

The following programs match your search criteria:
Energy: Bioenergy

| Energy Initiative | Funding Opportunity |
|---|---------------------|
| Energy Factsheets | Yes |
| Factsheets - Renewable Energy | Yes |
| Funds - RD Notice of Funding Availability Listing | Yes |
| Rural Energy for America Program - Guaranteed Loan (REAP) | Yes |
| Repowering Assistance Program | Yes |
| REAP/Feasibility Grant Program | Yes |
| Bioenergy Program for Advanced Biofuels | Yes |
| Rural Energy For America Program Grants - REAP Grants | Yes |
| Energy Coordinator Contacts | |

Related Topics

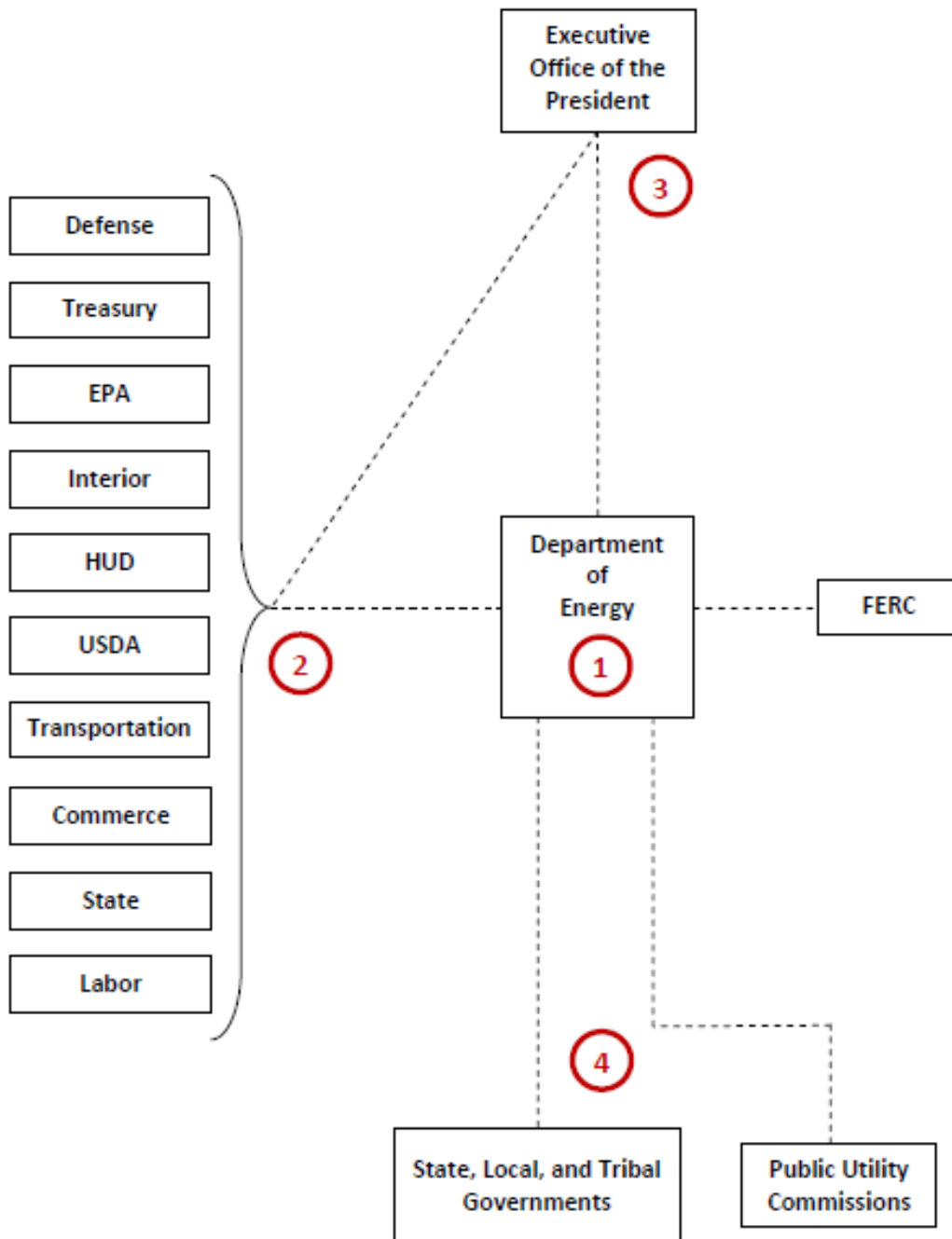
- [Glossary of Terms](#)
- [Federal Assistance Award Data System \(FAADS\)](#)
- [USAspending.gov](#)
- [Office of Energy Policy and New Uses](#)
- [Office of the Chief Economist](#)
- [Add an Energy Program \(Content Providers only\)](#)



New brochure covers all USDA RE programs



Paths for Using Existing Authorities to Pursue Administration Policy Objectives



Federal

State

EPA



Air Quality



Dept of Energy



Energy



FERC



Grid



DSIRE SOLAR

solar policy information



Resources

[Summary Maps](#)[Summary Tables](#)[Library](#)[Search](#)[What's New?](#)

myDSIRE

customize DSIRE for your organization

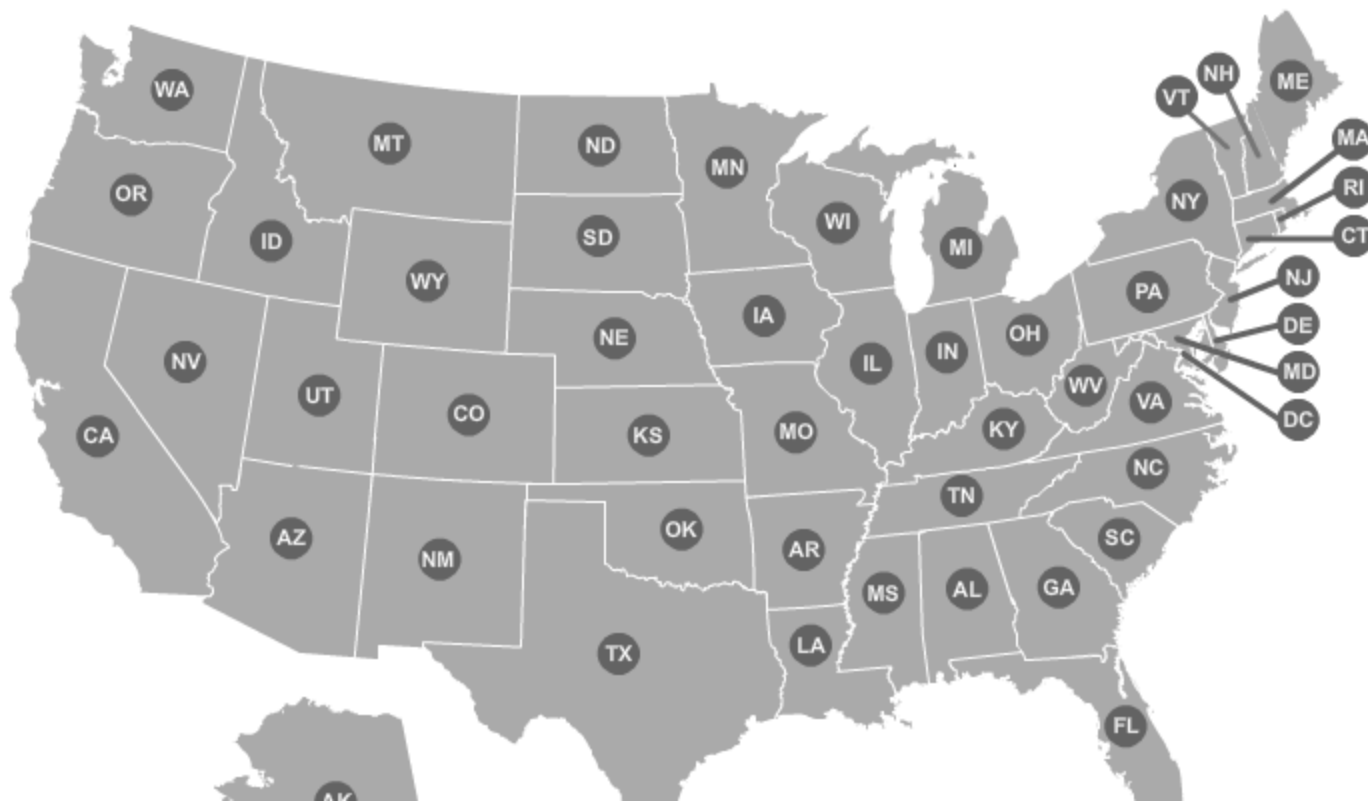


DSIRE is a comprehensive source of information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency. Established in 1995 and funded by the U.S. Department of Energy, DSIRE is an ongoing project of the N.C. Solar Center and the Interstate Renewable Energy Council.

Choose one or both databases:

 Renewable Energy Energy Efficiency

Federal Incentives





WISCONSIN

Incentives/Policies for Renewables & Efficiency



[See Federal Incentives](#)



[See All Summaries](#)



[See Residential Incentives Only](#)

Financial Incentives

Corporate Tax Credit

- [Woody Biomass Harvesting and Processing Tax Credit \(Corporate\)](#)

Industry Recruitment/Support

- [Clean Energy Business Loan Program](#)

Local Loan Program

- [Green Madison Revolving Loan Program](#)
- [Milwaukee Energy Efficiency \(Me2\) - Revolving Loan Program](#)

PACE Financing

- [Local Option - Energy-Efficiency Improvement Loans](#)
- [River Falls Municipal Utilities - Renewable Energy Finance Program](#)

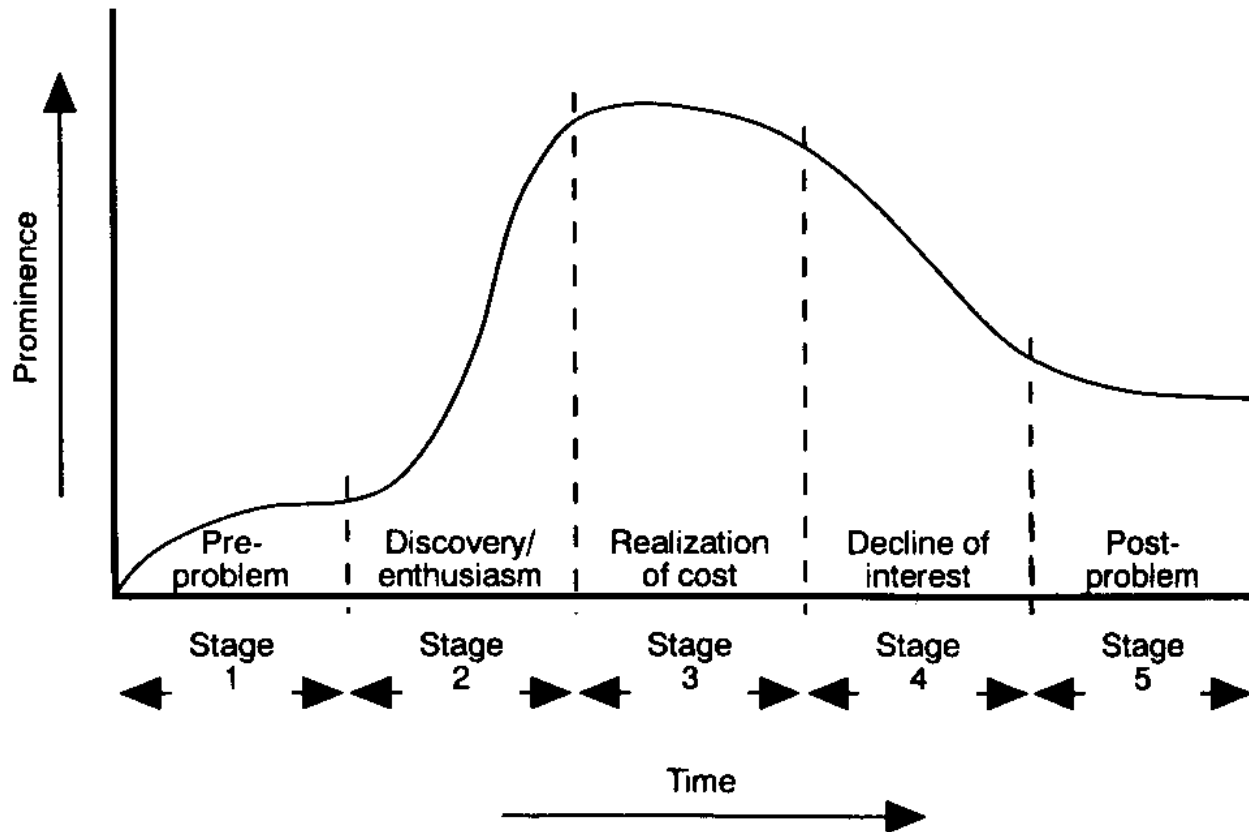
Performance-Based Incentive

- [Madison Gas & Electric - Clean Power Partner Solar Buyback Program](#)

Web Resources to Look Up for Interest

- DOE Quadrennial Technology Review
- Blueprint for a Secure Energy Future
- Sunshot Initiative
- DOE ARPA-E
- Energy Innovation Portal
- DSIRE Database
- Clean Energy Exports: [Export.gov/REEE](https://www.export.gov/reee)
- DOD Operational Energy Strategy
- USDA Energy Matrix
- DOE Strategic Plan

Issue-Attention Cycle – Anthony Downs (1972)



“Up and Down with Ecology – Issue-Attention Cycle”, by Anthony Downs, 1972.