

### 2011 State Energy Plan Survey

Directions: Please indicate your response for each question by placing a ✓ in the box that best describes your answer for each question. Fill in the blanks where appropriate. For your convenience you may respond by filling out the paper version of the survey and returning it in the enclosed postage-paid envelope or you may complete the survey online at <http://tiny.cc/arkenergyplan>. Please respond by October xx, 2011. Thank you for your cooperation.

1. Please select the following descriptors that best apply to your organization (select all that apply):

- |  |   |
|--|---|
| <input type="checkbox"/> Manufacturing                       | <input type="checkbox"/> Education  |
| <input type="checkbox"/> Retailer/sales                      | <input type="checkbox"/> Governmental   |
| <input type="checkbox"/> Energy producer                     | <input type="checkbox"/> Non-profit   |
| <input type="checkbox"/> Energy distribution or transmission | <input type="checkbox"/> Environmental  |
| <input type="checkbox"/> Industry association                | <input checked="" type="checkbox"/> Other (please specify) <u>ADAPTABLE BUILDINGS</u><br><u>TRIAL FORCE</u> |

2. What is the greatest energy-related challenge facing your particular industry/organization today and in the near-term future? ACCESS:

- 1) TO FINANCING - ALTERNATIVE MECHANISMS FOR EE & RE
- 2) TO KNOWLEDGEABLE WORKFORCE - ENTREPRENEURS/SKILLED WORKERS IN EMERGING SECTORS OF EE & RE.
- 3) TO RELIABLE INFORMATION - REAL COSTS/ECONOMIC DEVELOPMENT POTENTIAL FROM EMERGING SECTORS FOR EE & RE.

3. What are your current energy-related initiatives? (Please provide no more than three.)

- 1) DRAFT LEGISLATION ON ENERGY SAVING PERFORMANCE CONTRACTING
- 2) PACE - PROPERTY IMPROVED CLEAN ENERGY
- 3) QCEP'S TO CREATE A LOAN LOSS RESERVE FOR BONDING CAPACITY TO LEVERAGE A STATEWIDE REVOLVING LOAN FUND FOR FINANCING EE & RE PROJECTS.

4. Are there areas where you need additional support, funding, and/or collaboration with regards to your current energy-related initiatives?

Yes     No → skip to Question 5

4a. What are they? Please provide no more than three.

1) POLICY - "CULTIVATE A CLIMATE OF MARKET CERTAINTY VIA POLICY & ENABLING LEGISLATION; PRIVATE INVESTMENT SEES OUT MARKET CERTAINTY." FORMER COLORADO GOV. BILL RITTER'S MESSAGE TO GOV. MIKE PEEBLES, 03/14/2011.

- 2) REDIRECT INVESTMENT FROM TRADITIONAL BURN-OUT ENERGY SECTORS TOWARDS EMERGING SECTORS FOR EE & RE TO STIMULATE SUSTAINED JOB CREATION.

5. How important is sustainability/green to your company/organization's goals?

- |   |   |
|---|---|
| <input type="checkbox"/> Not at all important | <input type="checkbox"/> Somewhat important             |
| <input type="checkbox"/> Very unimportant     | <input type="checkbox"/> Very important                 |
| <input type="checkbox"/> Somewhat unimportant | <input checked="" type="checkbox"/> Extremely important |

- 3) CAPITALIZE - DRIVE DEMAND ON INVESTMENTS MADE TO DATE: A) KNOWLEDGE PACE ECONOMIC DEVELOPMENT; B) CENTERS OF EXCELLENCE; C) PACE DOCKET FOR EE BENCHMARKS FOR UTILITIES.

The next series of questions relate to the general energy-related situation here in Arkansas.

6. What are the top three energy challenges facing Arkansas today? 1) ~~ADOPT A LESS TRADITIONAL ECONOMIC DEVELOPMENT MODEL FOR STIMULATING GROWTH; 2) MITIGATE WASTE AND RETAINED WEALTH VIA CONSERVATION & EE; 3) DISTRIBUTED ECONOMIC DEVELOPMENT VIA DISTRIBUTED ENERGY PRODUCTION FROM RE.~~

2) ~~ENERGY SECURITY & INDEPENDENCE - DERIVE ENERGY SOURCES W/IN ARKANSAS VIA EE & RE, AS WELL AS BIO/GEOTHERMAL/INDUSTRIALS TO MITIGATE COMM-~~

7. What energy related policies/legislation would you like to see developed to address these challenges?

(List top three.)

1) ~~PRE-PROPERTY ASSESSED CLEAN ENERGY - ALTERNATIVE FINANCING FOR EE & RE RETROFITS EXIST. BUILDINGS~~

2) ~~LOCAL LOSS RESERVE FOR PROVIDING CAPACITY TO CREATE A STATEWIDE REVOLVING LOAN FUND - ALTERNATIVE FINANCING FOR EE & RE PROJECTS.~~

3) ~~REFIT - RENEWABLE ENERGY FEED-IN TARIFF ~ THAT ON RPS - RENEWABLE PORTFOLIO STANDARD TO TARGET DIFFERENT MARKET SECTORS.~~

8. Do you think a strategic energy plan should be developed for the State?

Yes  No 1) NO PLAN IS A PLAN FOR FAILURE.

8a. Why/ Why not?

2) ~~A STRATEGIC PLAN IS ABOUT MANAGING CHANGE, THE CHANGE HAS ALREADY OCCURED, THE CHALLENGE - HOW DO WE ADAPT TO THIS NEW ECONOMIC CLIMATE? HISTORY TELLS US THE EARLY ADOPTERS REAP THE GREATEST REWARDS & STEEPEST DIVIDENDS. THE STATUS QUO WILL NOT SUSTAIN US, BUT PROPEL US INTO ECONOMIC IRRELEVANCE. 3) INCREMENTAL CHANGE IS NOT A STRATEGIC PLAN, AND WILL NOT SIGNAL STRONGLY ENOUGH TO THE PRIVATE~~

9. Please indicate what you think the mix of energy resources should be to meet the need for Arkansas's electric utilities in the year 2021. The left column displays the approximate current energy mix used to provide electricity. In the right column divide 100 points among the energy resources that you want to see used in 2021.

Fuel/Resource to meet electricity needs	Arkansas's Current Mix (Percentage)	Mix in 10 years
Nuclear	28	25
Coal	46	20
Natural Gas	16	15
Oil	1	0
Solar	0	5
Energy Efficiency	0	10
Wind	0	5
Biomass	1	10
Hydroelectric	8	10
Other _____		0
TOTAL	100	100

TRADITIONAL BUILT-OUT SECTORS  
NEW EMERGING SECTORS  
JOBS CREATORS

10. Please indicate what you think the mix of energy resources should be to meet the need for Arkansas's transportation in the year 2021. The left column displays the approximate current energy mix used for transportation. In the right column divide 100 points among the energy resources that you want to see used in 2021.

Fuel/Resource to meet transportation needs	Arkansas's Current Mix (Percentage)	Mix in 10 years
Natural Gas	3.1	10
Electricity	0	10
Motor Gasoline	60.1	45
Ethanol	2.0	5
Aviation Gasoline	0.2	0.5
Jet Fuel	1.5	1.7
Diesel Fuel	32.3	25
Propane	0.1	2
Lubricants	0.7	0.8
Other _____		0
<b>TOTAL</b>	<b>100</b>	<b>100</b>

COMPRESSED LIQUID NG FOR LONG HAUL FLEET.

11. Please indicate what you think the mix of energy resources should be to meet heating needs for Arkansas buildings and industry in the year 2021. The left column displays the approximate current fuel mix used for heating. In the right column divide 100 points among the energy resources that you want to see used in 2021.

Fuel/Resource to meet <u>building</u> heating needs	Arkansas's Current Mix (Percentage)	Mix in 10 years
Electric	50	35
Oil (LPG, Diesel, Kerosene)	5	0
Biomass	1	10
Steam	9	10
Natural Gas	35	25
Solar	0	0
Energy Efficiency	0	20
Other _____	0	0
<b>TOTAL</b>	<b>100</b>	<b>100</b>

Fuel/Resource to meet <u>industrial</u> heat needs (including boiler and cogeneration)	Arkansas's Current Mix (Percentage)	Mix in 10 years
Electric	8	1
Oil (Diesel, Kerosene)	2	0
Biomass	17	30
Natural Gas	72	48
Solar	0	0
Coal	1	1
LPG	0	0
Energy Efficiency	0	20
Other _____	0	0
<b>TOTAL</b>	<b>100</b>	<b>100</b>

12. Indicate the principles that would be most important to a state strategic energy plan and/or state energy policies. (Rank the top four principles.)

- 1 Pursue conservation/energy efficiency as a preferred energy resource
- \_\_\_ Ensure our energy system meets the needs of our citizens, especially vulnerable populations
- 2 Maintain and enhance economic competitiveness
- \_\_\_ Reduce dependence on fossil fuels
- \_\_\_ Improve efficiency of transportation energy use
- \_\_\_ Meet greenhouse gas limits and environmental requirements
- \_\_\_ Build on our clean electrical grid
- \_\_\_ Make state government a model of efficient energy usage
- \_\_\_ Maintain and enhance existing infrastructure
- 3 Ensure diversity of energy supply
- 4 Use energy grown/mined/derived in Arkansas
- \_\_\_ Other (please specify) \_\_\_\_\_

13. Please choose your top four preferred policy options from the list below:

- 1 Energy efficiency appliance and equipment standards
- 2 Performance labels for new homes and commercial buildings
- 3 Utility initiatives to use renewable energy (wind, solar, biomass, etc.)
- 4 Incentives for consumers to use energy efficiency and renewable energy (loans, rebates, tax credits, etc.)
- \_\_\_ Utility demand-side management and rate restructuring initiatives
- \_\_\_ Encourage easier connections between customer-owned generation (residential, commercial and industrial cogeneration) and the utility
- \_\_\_ Initiatives to make state government buildings and vehicles more efficient
- \_\_\_ Incentives to produce, use and promote biofuels
- \_\_\_ Incentives to develop alternative transportation infrastructure (refueling, charging)
- \_\_\_ Support public funding of education and workforce training for energy economy
- \_\_\_ Support public funding of energy efficiency improvements for those with low-incomes
- \_\_\_ Other (please specify) \_\_\_\_\_

14. Should there be an effort to recruit a specific type(s) of energy-related industries to the state

- Yes     No → End Survey    1) ENERGY EFFICIENCY - RETAINED WEALTH; STOP THE LEAKS IN THE BUILDINGS - STOP THE LEAKS IN THE WALLETS OF ARKANSIANS - WHICH @ SCALE, STOPS THE LEAKS IN THE ECONOMY. JOBS CREATION - PUT THE IDLE CONSTRUCTION SECTOR BACK TO WORK IN RE & EE RETROFITS.

14a. Which type or types? (Please identify no more than three.)

- 1) ENERGY EFFICIENCY - RETAINED WEALTH; STOP THE LEAKS IN THE BUILDINGS - STOP THE LEAKS IN THE WALLETS OF ARKANSIANS - WHICH @ SCALE, STOPS THE LEAKS IN THE ECONOMY. JOBS CREATION - PUT THE IDLE CONSTRUCTION SECTOR BACK TO WORK IN RE & EE RETROFITS.
- 2) RENEWABLE ENERGY - A) DISTRIBUTED ECONOMIC DEVELOPMENT VIA DISTRIBUTED ENERGY PRODUCTION. B) PUT IDLE CONSTRUCTION SECTOR BACK TO WORK IN RE RETROFITS.
- 3) BIO-POWER (CO-GENERATION) / BIO-FUELS (BIO-DIESEL) / BIO-MASS - COMMODIFY WASTE STREAMS INTO REVENUE STREAMS IN TRADITIONAL SECTORS OF FORESTRY & AGRICULTURE AND ECONOMIC DEVELOPMENT.

Thank you taking the time to complete our survey.

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