





Board of Directors in D.C.

42 year track record

Directors from NEI, EEI, AGA, other industry organizations



Energy Literacy



In-class presentations

Professional development workshops

Student competitions

Materials distribution

Websites, electronic posters

Teacher Email:



"Thank YOU so much for the AMAZING afternoon! Our school LOVED the Think! Energy presentation, and the kids were jumping up and down with excitement ... It was nothing short of a home run! We LOVED both presenters, and they were absolutely outstanding. Please let them know what an amazing experience we had from their enthusiasm and excitement for science. They were awesome!"





Knowledge

Measure students' understanding of a broad array of energy concepts



Attitudes

Identify common attitudes and perceptions toward energy



Behaviors

Understand common actions and behaviors taken as it relates to energy

Survey Objectives



Take a national snapshot high school seniors

Create comprehensive, balanced approach

Verify need, identify gaps Raise profile of energy literacy



Target Participants

2,005 participants - National

Why high school seniors?

K-12 experience

New voters

Energy customers

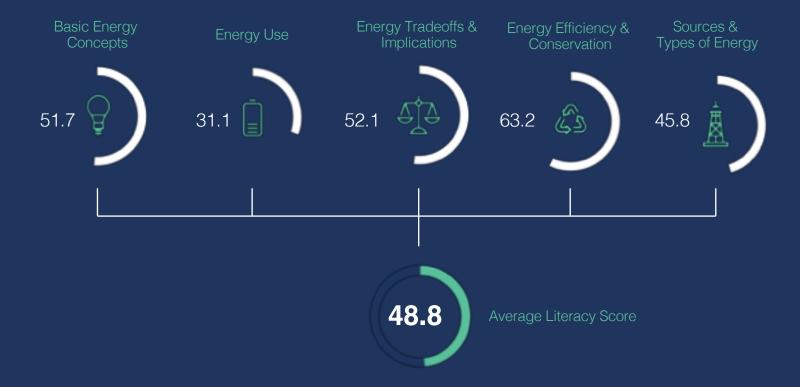
Higher education/workforce



Knowledge

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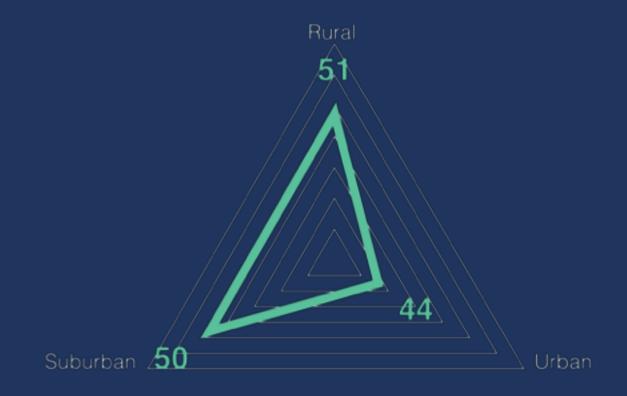


Energy Literacy Score Distribution

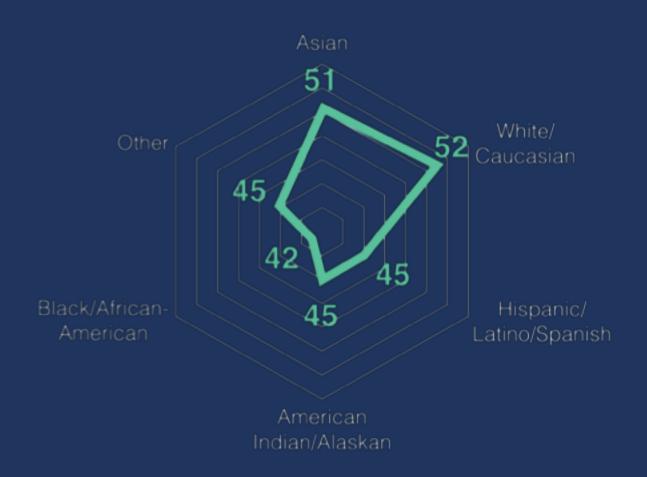




Geography



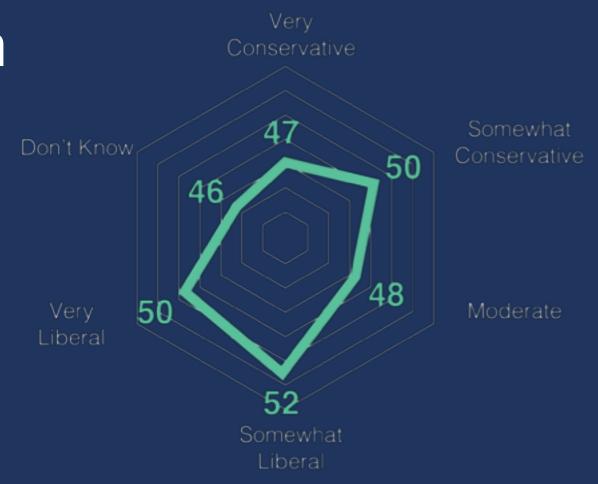
Ethnicity



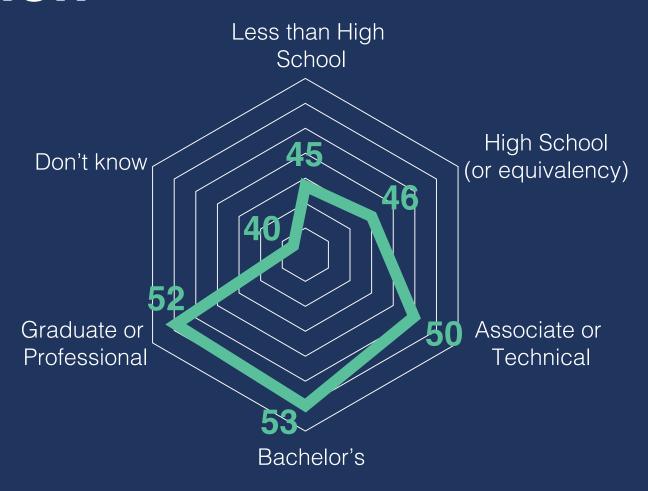
Household Income



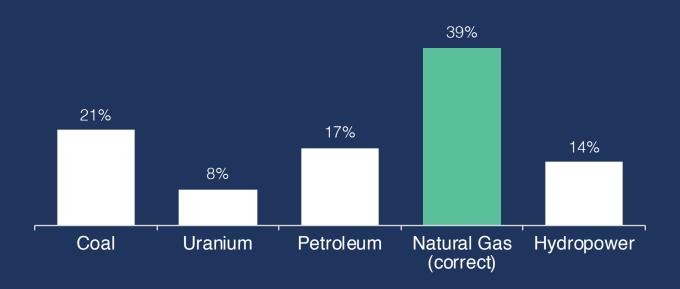
Political Affiliation



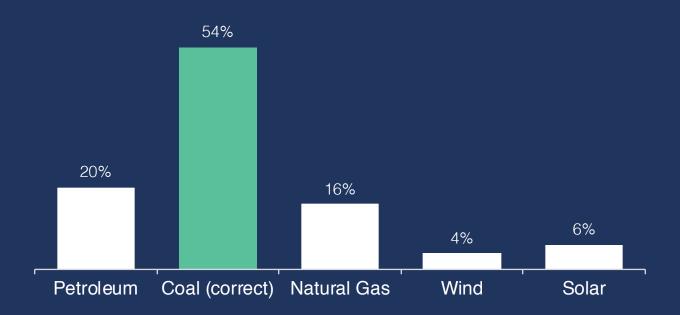
Parents Education



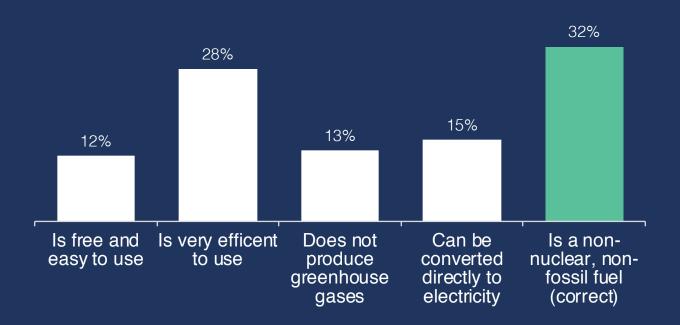
Most power plants being built in the U.S. today are designed to use which fuel?



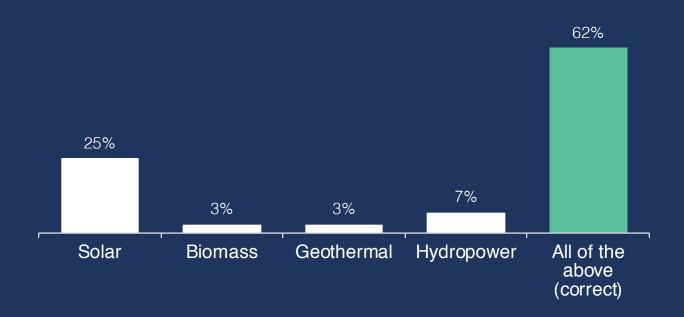
In the past five years, both production and consumption of which resource has decreased in the U.S.?



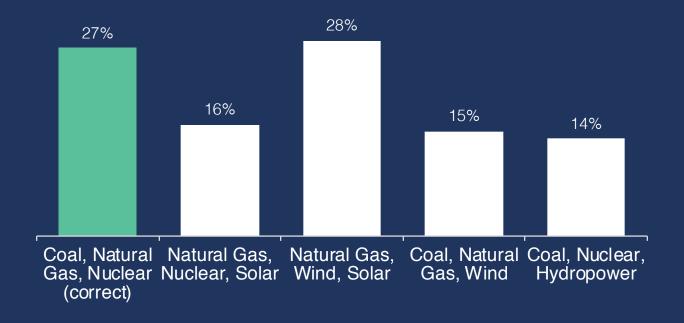
The term renewable energy means that a resource:



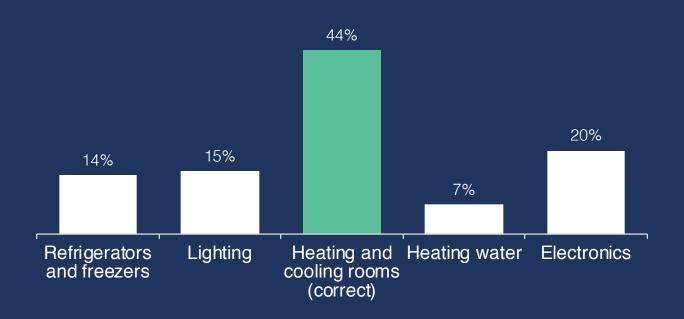
Which of the following is a renewable energy resource?



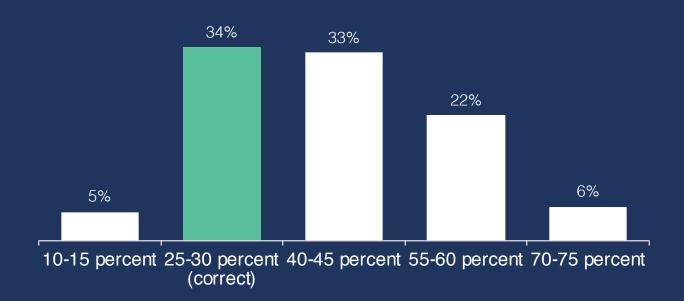
Which three resources provided 86% of the electricity generated in the U.S. in 2015?



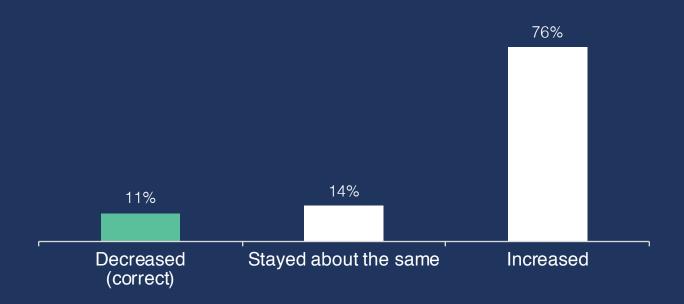
Which of the following uses the most energy in the average American home annually?



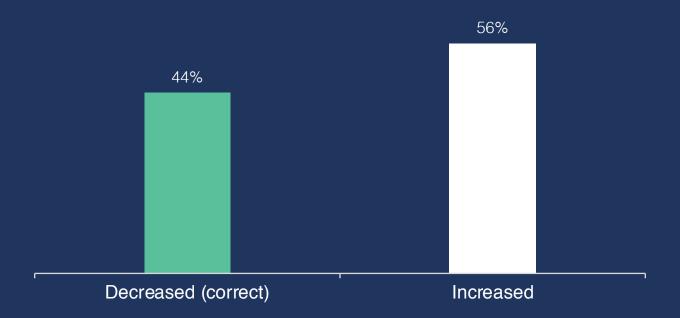
What percentage of the U.S. overall energy consumption is used for transportation?



Per capita energy usage in the United States since 2003 has:



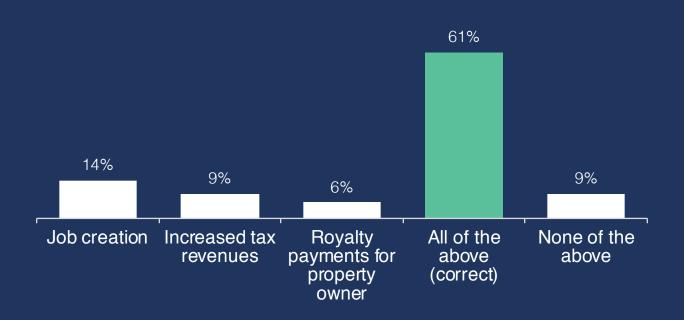
In the past ten years, petroleum imports into the U.S. have:



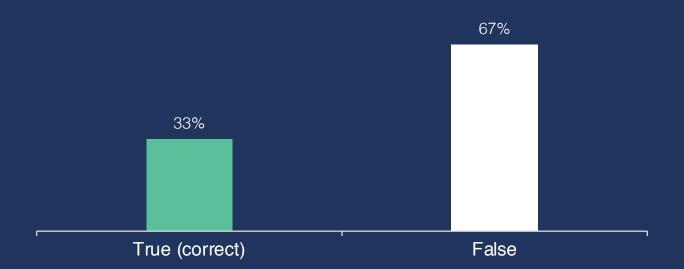
Which of the following does NOT promote energy savings?



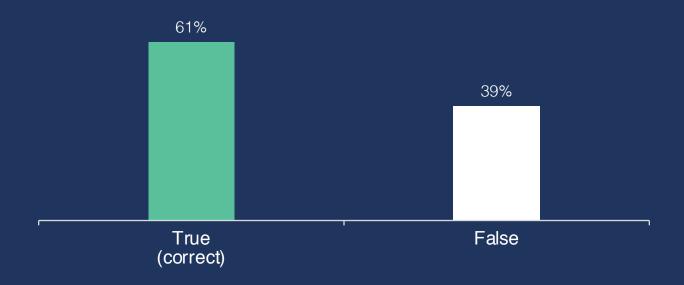
Which of the following are possible economic impacts of increased energy production?



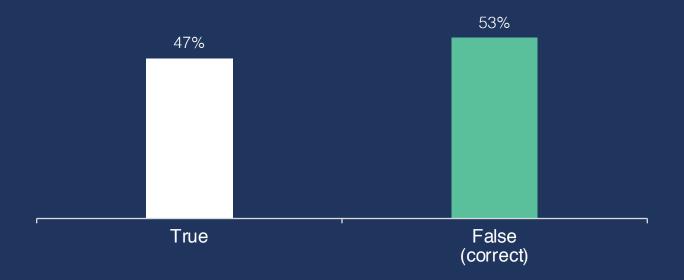
Nuclear reactors do not produce air pollution or carbon dioxide while operating.



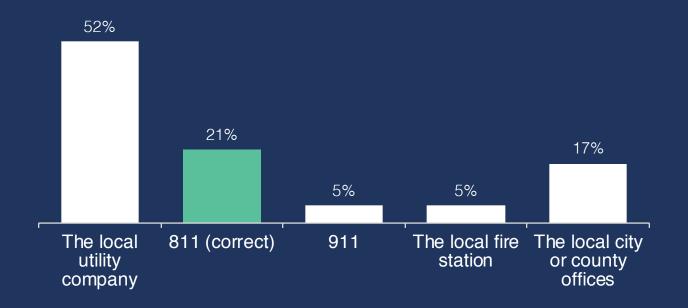
The technique of hydraulic fracturing to produce natural gas and oil, commonly know as "fracking," has helped to lower consumer energy prices.



Electric vehicles use electricity generated only from renewable energy sources.



Prior to a digging project, underground utility lines should be identified. What number should you call to ensure this is done correctly?





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Environment Focus

Energy Vocal

Responsibility Driven

National Importance

Comfort and Cost Minded

Climate change is a vital issue that must be addressed

Environment Focus

Energy Vocal ►

Responsibility Driven

National Importance

Comfort and Cost Minded

I believe I have a voice in helping to impact energy policies

Environment Focus

Energy Vocal

Responsibility Driven

National Importance

Comfort and Cost Minded

I have a moral obligation to reduce my energy usage

Environment Focus

Energy Vocal

Responsibility Driven

National Importance

Comfort and Cost Minded

Energy
efficiency
is vital to
our
national
economy

Environment Focus

Energy Vocal

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National Importance

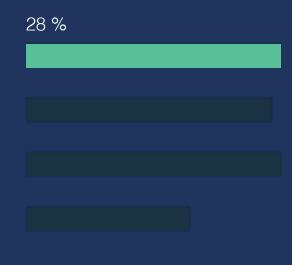
Comfort and Cost > Minded

It's too much of an inconvenience to my lifestyle to reduce my energy usage



Smart Coaster

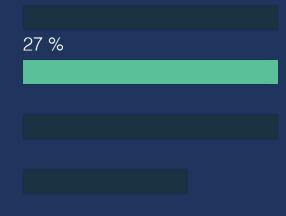
Realize they can do something about energy, but don't act.





Agent of Change

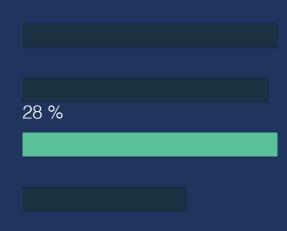
Strongly believe they can do something to conserve energy, and most likely to do so.





Diamond in the Rough

Engaged and practical on energy issues, they have a voice but are not well informed.







Smart Coaster

Realize they can do something about energy, but don't act.

- High knowledge and low engagement suggests the need for:
 - Narrative content that engages empathy or imagination.
 - Elements that build small commitments to energyrelated action (organized service projects, short term contests).
 - Opportunities for peer instruction/coaching.



Agent of Change

Strongly believe they can do something to conserve energy, and most likely to do so.

- Build on this group's relatively strong knowledge basis.
- Specifically, this group may respond well to:
 - More nuanced policy discussion.
 - Opportunities for advocacy or social action (organized service projects, optional activities).
 - Opportunities for peer instruction/coaching.



Diamond in the Rough

Engaged and practical on energy issues, they have a voice, but are not well informed.

- The central challenge for this group is turning engagement into *informed* engagement.
- This group may benefit from:
 - Seemingly basic instruction that highlights the practicality of energy knowledge.
 - Imagery that reflects ethnic/social diversity.`
 - Activity-based learning.
 - Opportunities to build a sense of self-efficacy through highlighting their relatively high performance on energy efficient behaviors.

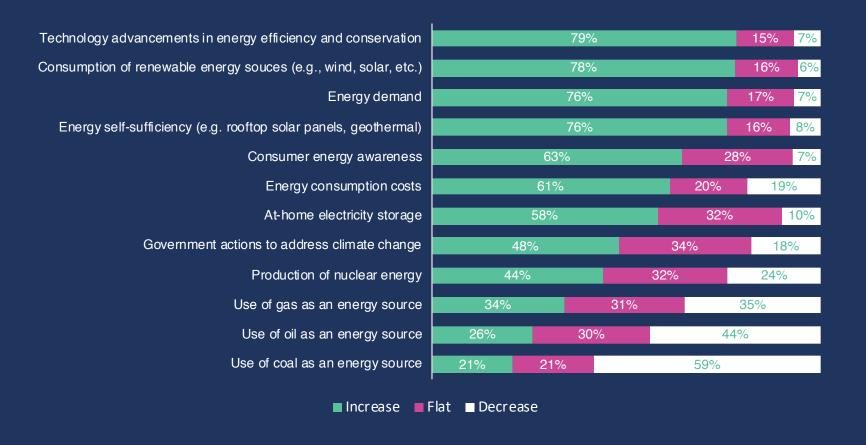


Indifferent Onlooker

Not well informed or engaged.

- The indifferent onlooker presents the greatest challenge for content-related programs. This group is lacking in both energy-related knowledge and motivation.
- This group may benefit from:
 - Basic instruction that highlights the practicality of energy knowledge AND has high potential to engage.
 - Imagery that reflects ethnic/social diversity.
 - Elements that build small commitments to energyrelated action (organized service projects, short term contests).

Expected Direction of Energy Trends Ten Years From Now





Knowledge

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Attitudes

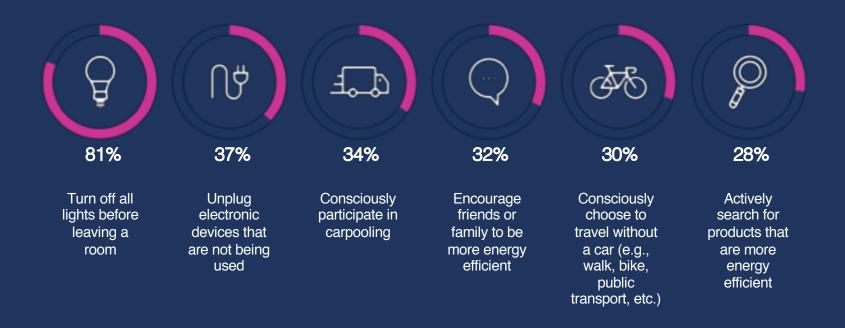
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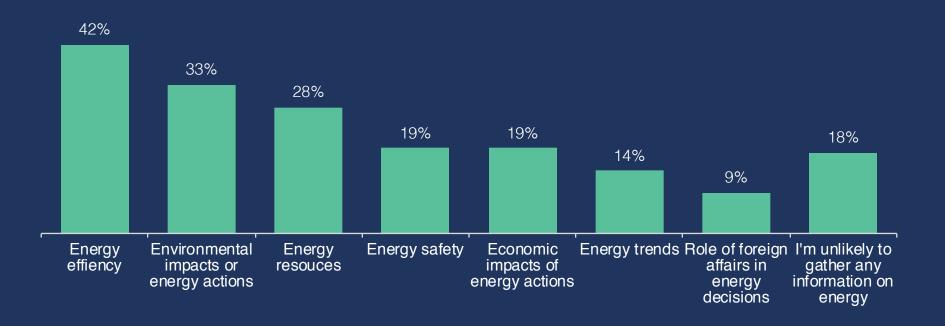
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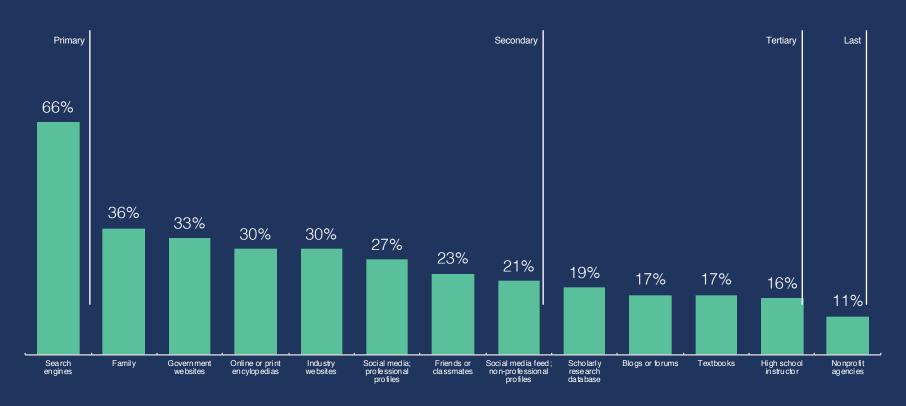
Students Who Often or Always...



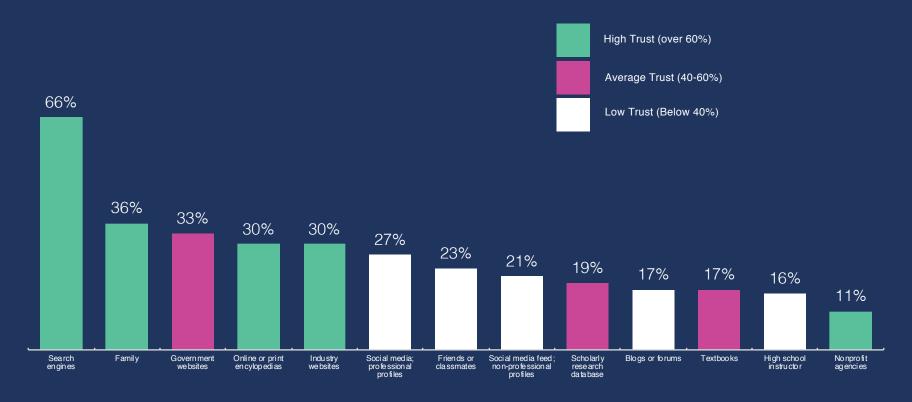
Energy Topics Most Likely to Research Over the Next 6 Months



Sources of Information Students Are Likely to Turn to First About Energy



Level of Trust in Sources as It Pertains to Energy



What's Next



Fill the Gaps



Talk

Engage Students



Motivate Behavior Change

Call to Action

The energy story

School to Home

Investment in community

Affect *real* change



