Objectives

- Measure progress from 1st Survey in 2017
- Take a national snapshot – high school seniors
- Create comprehensive, balanced approach
- Raise profile of energy literacy
- Identify gaps in energy knowledge

Participants

1,564

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

Attitudes ... Knowledge ... Behaviors Declined Across the Board

Social Media - UP

Sources Students Use for Energy Information

- Search engines
- Family
- Government websites
- Internet
- Social media, professional
- Friends or classmates
- High school instructor

Student Knowledge - DOWN

% Correct | 2017 | 2022
---|---|---
Basic Energy Concepts | 60.3 | 50.0
Energy Use | 28.1 | 18.4
Climate Change | 6.0 | 7.1
Energy Sources and Conservation | 30.6 | 20.9
Sources of energy | 36.8 | 22.0

Student Attitudes - DOWN

- My efforts to conserve energy will have a positive impact on the environment
- Energy efficiency is vital to our national economy
- I have a moral obligation to reduce my energy usage
- I want to do more to conserve energy
- My daily actions should encourage energy efficiency
- I have a moral obligation to reduce my energy usage

Social Media - UP

Top 2 on a 7-point Likert Scale

- By Political Preference
  - Very Conservative
  - Somewhat Conservative
  - Moderate
  - Somewhat Liberal
  - Very Liberal

- By Gender
  - Male
  - Female

- By Ethnicity
  - White or Caucasian
  - Black or African-American
  - Hispanic, Latino, or Spanish Origin
  - Asian
  - Other

- by Age

Call to Action

- Utilize technology more effectively
- Improve classroom energy education for HS students
- Take the message home
- Harness peer influence
- Connect with industry

©2023 National Energy Foundation