Energy Literacy Town Hall



Energy Efficiency & Renewable Energy



What? So What? Now What? of Energy Literacy Efforts

August 5, 2014

Joshua Sneideman Albert Einstein Education Fellow Department of Energy Energy Efficiency and Renewable Energy

ENERGY Energy Efficiency & Renewable Energy

- Please dial in using your telephone for best reception.
- Please use the chat box to ask questions or report technical difficulties.
- Please address your questions to a particular speaker or organization.
- Webinar web resources, including this video and presentation are already online and available on our website

www.energy.gov/eere/education/downloads/webcastnational-energy-literacy-virtual-town-hall

• Need more, email us at Energyliteracy@ee.doe.gov

Keep the conversation going using #energyliteracy





A Framework for Energy Education for Learners of All Ages



(Now available in Spanish)







• A better understanding of energy can:

- Lead to more informed decision
- Improve the security of the nation
- Promote economic development
- Lead to sustainable energy use
- Reduce environmental risks and negative impacts
- Help individual and organizations save money

How?



Energy Efficiency & Renewable Energy



TED Ed Energy Literacy Video

U.S. DEPARTMENT OF ENERGY R

Energy Efficiency & Renewable Energy



Let's Begin...

Energy is neither created nor destroyed — and yet the global demand for it continues to increase. But where does energy come from, and where does it go? Joshua M. Sneideman examines the many ways in which energy cycles through our planet, from the sun to our food chain to electricity and beyond.





AGI/DOE Energy Literacy Video Series



- One 3-4 minute video for each Energy Literacy Principle
- Each video will discuss all of the fundamental concepts
- Videos will also be available in Spanish
- Estimated Completion Date: January 1st

Enjoy a preview



States Registered and Number of Participants 60 **U.S. DEPARTMENT OF** 50 40 30 Plot Area 20 10 S S S S ř = 교 A e ≥ F R N ⋝ Ξ





Energy Efficiency & Renewable Energy

Federal Partners

Energy Literacy Town Hall August 5th 2014





Current Resources (formal / informal)

- <u>STEM events calendar</u> shares upcoming DOE and federal agency opportunities for teachers and students
- Member of <u>100kin10</u> use our commitment to build the movement and partner with us
- List of <u>STEM resources</u> at the Department of Energy available on our website
- <u>Director Dot Harris</u> member of STEM Speakers Bureau – request her for an event!
- STEM Mentoring Café engagement.

Top 3 Energy Literacy Needs/Issues:

- Classrooms and teachers to use the Women @ Energy series and give us your feedback.
- 2. Organizations to commit to sharing our STEM resources and participate in them.
- 3. Getting energy literacy information and energy job training to underserved communities.

Energy Literacy

U.S. DEPARTMENT OF

PRESSARIMENT OF ENDERNY	 OPERATION #bioenergizeME BETO's educational base camp for students, educators, and others seeking better understanding of the promises and challenges in developing a thriving bioeconomy Website to be launched in August Facebook site forthcoming
Upcoming Tools and Events:	Top 3 Energy Literacy
 Educator's Toolbox 	Needs/Issues:
	1. Increase public understanding of
Seeking collaborations and partners with	bioenergy potential and challenges to help
organizations and others who can help	negative bioenergy-related media
engage young people in the challenge	messages
	2. Promote greater STEM engagement
Contact Info	across a variety of regions, including rural
 Leslie Ovard (<u>Leslie.Ovard@ee.doe.gov</u>) 	students both male and female
Zac Peterson	3. Harness technology to enable students to
(Zachary.a.Peterson@ee.doe.gov)	educate themselves and others



GreenRibbonSchools

U.S. Department of Education Green Ribbon Schools

- Award that spotlights best practices and resources and encourages collaboration at federal, state and local levels
- www.ed.gov/green-ribbon-schools

Resources and Opportunities

- School, district and postsecondary categories
- Green Strides resources and webinars www.ed.gov/green-strides
- Newsletter, Facebook and Twitter
- Best Practices Tour

Connecting facility, health and instruction with 3 Pillars:

- 1. Reducing Environmental Impact and Costs (waste, water, greenhouse gases, alternative transportation, energy)
- Improving Health and Wellness (environmental health, nutrition and fitness)
- 3. Teaching Environmental Education (civics, green careers, STEM)

Climate Literacy Initiative

U.S. DEPARTMENT OF



USGCRP Education Interagency Working Groups:

Overview info about your efforts

- frank.niepold@noaa.gov
- www.globalchange.gov/, www.climate.gov
- www.facebook.com/usgcrp

Current Resources

- Teaching Climate: http://www.climate.gov/teaching
- Join the CLEAN Community: participants contribute to the CLEAN Collection and Network
- Explore http://www.climate.gov/teaching/prof essional-development for

Top 3 Climate/Energy Literacy Needs/Issues:

- 1. Public-private partnerships focused on strategic educational investments promote the widespread use of effective, evidence-based educational resources and strategies
- 2. How do we measure climate and energy literacy?
- 3. How to create NGSS Resources for the Climate and Energy Literacy aligned standards





Current Resources

- INL Outreach Activities
 - Science expos, Career fairs, classroom demonstrations, tours, speakers, after school programs, summer camps
 - INL Classroom, Makeover, and Informal STEM grants
 - Internships
- i-STEM Teacher Professional Development Institutes
 - For K-12 teachers from the region to develop relevant STEM skills and content for teaching and learning
 - Annual impact: 700 educators
 - Access to resources housed in STEM Resource Libraries in 6 locations in Idaho

Idaho National Laboratory

- INL K-12 STEM Outreach
- i-STEM Teacher Professional Development
- Contact :
 - <u>Anne.Seifert@inl.gov</u>
- Websites:
 - <u>http://www.inl.gov</u>
 - <u>http://www.sde.idaho.gov/site/istem</u>

Top 3 Energy Literacy Needs/Issues

- 1. Understanding the basics of energy and helping teachers feel confident to understand and share content in this area with their students.
- 2. A scientific foundation to help teachers, students, education leaders. and new workforce members make informed decisions and actions in regard to energy generation, consumption, sustainability for the future.
- 3. Improving workforce preparedness and enabling the future workforce with energy specific knowledge and confidence.



Questions for our Federal Partners

Next: University Led K-12 Initiatives



ENER	GY AT THE MOVIES UPING DR. MICHAEL WEEDER	Dr. Michael Webber The University of Texas at Austin
	Energy 101 Energy Technology and Policy Dr. Michael E. Webber The University of Texas at Austin	 Goal: engaging and educating the public on energy issues using high quality media (TV, web, and apps). webberenergygroup.com/media webber@mail.utexas.edu

Current Energy Education Programs

- Energy at the Movies now in syndication on PBS (check local listings) <u>energyatthemovies.com</u>
- Energy 101 world's first Adobe course app coming in September: <u>energy101.com</u>

Top 3 Energy Literacy Needs/Issues:

- 1. Changing the way the world thinks about energy.
- 2. Increasing public energy literacy via "edutainment" and popular media
- Encouraging more minorities and underrepresented groups to pursue careers in STEM.



THE UNIVERSITY OF TEXAS AT AUSTIN

August 5, 2014



<u>Check out this video</u> : from the Webber Energy Group at UT Austin Energy 101 Adobe DPS Course App Trailer

http://youtu.be/O37bW8sxLF8



KQED Education Education Stanford Precourt Institute for Energy Your gateway to energy research and education	 Contact Information: Andrea Aust, <u>aaust@kqed.org</u> Mark Schwarz, <u>mshwartz@stanford.edu</u> Matthew Inman, <u>matthewi@spokaneschools.org</u> Web Sites: <u>http://blogs.kqed.org/education</u> <u>https://energy.stanford.edu</u>
<section-header><section-header><section-header><list-item><list-item><list-item><list-item><text></text></list-item></list-item></list-item></list-item></section-header></section-header></section-header>	<section-header><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header>





Clarkson UNIVERSITY *defy* convention

Current Resources

- Project-based modules on energy and climate change (middle and high school)
- Written instruments to measure energy and climate literacy (MS, HS, adult)
- Would like to collaborate on projects that apply, or explore the potential of, evidencebased enriched teaching and learning to increase energy and climate literacy

- Product development:
 - Project-based energy and climaterelated curricula
 - Assessment instruments
- Research into energy and climate education and literacy
- Jan DeWaters, dewaters@clarkson.edu
- http://www.clarkson.edu/cses/research/ed ucation.html

Top Energy Literacy Needs/Issues:

People need to understand:

-- WHERE their energy currently comes from and HOW it is used in their everyday life -- the difference between primary and secondary energy consumption, and recognize that there are 'losses' as we convert from 1 form to another

-- that we need a DIVERSIFIED APPROACH to solving our energy problems

-- that we can't rely on renewables without a change in our energy consumption patterns!

Energy Literacy

The Journal of Sustainability Education (JSE) serves as a forum

Energy Efficiency &

Renewable Energy

JOURNAL OF SUSTAINABILITY EDUCATION



for academics and practitioners to share, critique, and promote research, practices, and initiatives that foster the integration of economic, ecological, and social-cultural dimensions of sustainability within formal and non-formal educational contexts.

U.S. DEPARTMENT OF

ENERGY

- Larry Frolich, editorise@gmail.org
- Energy Education issue editor: justin@nararenewables.org
- http://www.jsedimensions.org/
- Follow: Twitter Facebook RSS

Current Efforts

- Energy education theme entitled "Beyond Conservation: Reimagining the Purpose of Energy Education" 3000-7500 word count
 - Case studies
 - **Research findings**
 - Scholarly features
 - Theoretical and conceptual articles
 - Program and practice features
- Digital postcards are also being solicited from the 'Post-Carbon Future'

Top Energy Literacy Needs:

- Articles contributed to the Energy 1. Education Theme Issue
- 2. Reviewers for the Journal of Sustainability Education and the theme issue
- 3. Submission Deadline September 15, 2014

Energy Literacy

U.S. DEPARTMENT OF Ener

NARA

Northwest Advanced Renewables Alliance

NARA WORKS TO HARNESS WOODY BIOMASS FOR AVIATION BIOFUEL Featuring a broad alliance of private industry and educational institutions, NARA takes a holistic approach to building a supply chain based on using forest residuals to make aviation biofuel.

- <u>General: info@nararenewables.org</u>
- Education: justin@nararenewables.org
- <u>http://nararenewables.org/</u>



Top Energy Literacy Issues:

- 1. Contribution of educational materials to <u>www.energyliteracyprinciples.org</u>
- 2. Reviewers and content experts in bioenergy literacy for assessment and curriculum review.
- 3. Partnerships with energy literacy teams and research projects.





NARA

Northwest Advanced Renewables Alliance



Washington State University

- Rubric-based energy literacy assessment for deliverables
 - Can be applied to past works
 - Does not require effort from assessed
 - May measure applied knowledge
- Quinn Langfitt –<u>qlangfitt@wsu.edu</u>
- Liv Haselbach <u>haselbach@wsu.edu</u>

Current Resources

- Cross referenced to DOE Energy Literacy principles
- Applying assessment technique to <u>Imagine</u> <u>Tomorrow High School energy</u> <u>competition</u> to identify trends (May 29-31, 2015 Pullman, WA - <u>imagine.wsu.edu</u>)
- Approach could be used for other competitions or classroom settings
- Open to working with others who want to try using the rubric

Top 3 Energy Literacy Needs/Issues:

- 1. More holistic energy education
- 2. More avenues that draw significant female participation
- 3. Developing more subsets for bioenergy literacy





UW School of Energy Resources Our mission is to support an interdisciplinary

and balanced approach to Energy Literacy Education.

- Dr. Don Roth & Sarah Ramsey-Walters
- www.uwyo.edu/ser/energy-literacy/
- www.facebook.com/scienceposse

Current Resources

- K12 STEM programming (Energy Summer Institute, Science Camp, campus visits)
- Teacher professional development & resources
- Integrated curriculum aligned to standards & WY Energy Strategy
- Energy field tours / Career talks
- Partner with programs across state
- **Upcoming** Teacher Workshops (Aug, Oct)

OPEN TO COLLABORATION!!

Top Energy Literacy Needs:

- Coordination and extension of successful 1. program models.
- Continued teacher professional 2. development and resources.
- 3. Integrated, systems approach to energy literacy education providing opportunities for students to develop problem-solving and decision-making skills.



School of **Energy Resources** UNIVERSITY OF WVOMING





Wisconsin K-12 Energy Education Program - KEEP Wisconsin Center for Environmental Education College of Natural Resources University of Wisconsin-Stevens Point



Current Resources

- Face-to-face and online course platforms
- School building energy efficiency education
- \$100 mini-grants
- Tech Ed & FCS-focused teacher networks
- Cool Choices
- Energy Educator of the Year
- Energy Education Certificate through UWSP

Upcoming events

- Green & Healthy Schools WI Institute/WAEE Conf.
- WAEE Awards Banquet
- MREA Annual Energy Fair, Custer, WI
- Multiple statewide KEEP courses

Wisconsin K-12 Energy Education Program (KEEP)

- Created in 1995
- Conceptual Framework
- Teacher Professional Development
 - Graduate-level courses through UWSP
 - Ad hoc instructor network
 - ~6,000 course participants
- School-, Home-, & Community-based programming
- Statewide Energy Savings

keep@uwsp.edu http://www.uwsp.edu/keep

Wisconsin Center for Environmental Education

Top 3 Energy Literacy Needs/Issues:

- 1. Evaluating Student Outcomes Knowledge, Attitudes, Behaviors
- 2. Evaluating Classroom-based Behavior Change Efforts
- 3. Long-term Funding



Questions for University Led Energy Literacy Efforts

Next: Replicable Localized Efforts



STEMAZING PROJECT OFFICE OF THE PIMA COUNTY SCHOOL SUPERINTENDENT	 STEMAZing Efforts and Contact STEMAZing Institute for K-12 Educators Energy Everywhere strand i-STEM Institutes We NEED Energy strand DaNel Hogan - Director of The STEMAZing Project danel.hogan@schools.pima.gov www.pimaregionalsupport.org/STEMAZing/
 Current Resources and Efforts Professional development for three- or four- day energy education workshops Energy equipment kit lists and suppliers for either \$75 or \$375 kits STEMAZing Tuesdays 	 Top 3 Energy Literacy Needs/Issues: 1. Professional development for teachers 2. Resources and equipment for teachers 3. First-hand experiences



26 | Education & Workforce Development





Next: NEED







The NEED Project

The mission of the NEED Project is to promote an energy conscious and educated society by creating networks of students, educators, and business, government, and community leaders to design and deliver objective, multisided energy education programs.

- K-12 curriculum resources
- · Hands-on classroom kits
- · Professional development and energy education training
- <u>www.need.org</u>, <u>info@need.org</u>

Current Resources

- K-12 curriculum resources on the science of energy, energy sources, electricity, transportation fuels, efficiency & conservation <u>www.need.org/curriculum</u>
- Correlations to national and state standards <u>www.need.org/curriculumcorrelations</u>
- Free energy workshops held around the country <u>www.need.org/calendar_list.asp</u>

Top 3 Energy Literacy Needs/Issues:

- 1. Providing educators with a solid foundation of energy literacy concepts from which to teach.
- 2. Providing current, high quality energy information for classrooms.
- 3. Providing curriculum and activities that fit increasingly tight classroom schedules.

ENERGY Energy Efficiency & Renewable Energy



86 % lesson implementation rate among our teachers



Developing Teachers and Students for Energy Careers

Since 2009, IEI has trained 322 teachers representing over 48,000 Hawaii students

- Major funding from Office of Naval Research
- Recognized Hawaii Dept Ed PD-Credit Course
- Developed by Maui Economic Development Board's Women In Technology Project
- Includes workshops, curriculum, follow-up, and refresher courses for graduates
- Statewide industry partners in energies

DEVELOPMENTBOARD

Island Energy Inquiry[™] is a STEM teacher professional development program using hands-on, inquiry-based labs to introduce renewable energy in culturally-relevant lessons and activities for grades 5-12 in Hawaii.

Top 3 Energy Literacy Needs/Issues:

- 1. Nurture social will to elevate renewable energy as a long-term economic, political, and societal priority
- 2. Educate for energy prosperity
- 3. Prepare STEM workforce in renewable energies





VEEP's Mission is to Promote Energy Literacy: A deep understanding of what energy is and how to use it efficiently, to enable energy usage choices that will result in a sustainable and vital economy and a healthy environment.

- E-mail: <u>info@veep.org</u>
- Web: <u>http://veep.org</u>
- https://www.facebook.com/VTEnergyEducation

Our Programs are aligned to NGSS standards and the Energy Literacy Framework.

- In-class Presentations: K-12 classes
- Energy Curricula: train teachers, lend them materials and provide ongoing support
- Whole School Energy Challenge Program
- In School Consulting on Energy curriculum integration
- Events: Teacher Institute next week, public events on website, over 300 annual presentations in schools.
- Collaboration Welcome!

Top 3 Energy Literacy Needs/Issues

- VEEP recognizes that we must deliver solutions to the multiple competing needs of teachers. In VT that includes NGSS and Common Core alignment for our programs.
- 2. VEEP would like to reach more underresourced schools and communities.
- 3. VEEP needs more educational resources on transportation energy issues.



Energy Efficiency & Renewable Energy



Top 3 Energy Literacy Needs:

- 1. Help Raising Awareness and Adoption of Resources by Teachers, Students & Parents.
- 2. Partnering w other Ed Resource Providers.
- 3. Participation in the FREE Digital Education Community of Practice.





Current Resources:

- A Student and Teacher Digital Portfolio System
- Two iTextbooks (iPad and Macs w iBooks)



 License with CALRecycle to make iTextbooks of all 85 K-12 CA State Board of Ed Unanimously-Approved Units

Common Core Standard Aligned







Columbia Water & Light

- Municipal utility in Columbia, Missouri
- Full-time energy educator since 6/2013
- aldzuric@gocolumbiamo.com
- www.gocolumbiamo.com/WaterandLight



ship 💟 @CoMoWaterLight

terLight

/cwlvideo



- K-12 Programs:
 - Energy Choices (6th-7th grade)
 - Saturday Science (8th grade)
 - Bottle Battle (9th grade pilot project)
 - Budgeting for Energy (10th grade)
- Informal/After-School
 - GSLS Science Club, ASK, Adv. Club
- Adult Outreach
 - Civic groups, real estate agencies, wellness events, teacher PD

Top 3 Energy Literacy Needs/Issues:

- 1. Teachers literate in energy issues as it relates to their teaching assignments
- 2. Housing market stakeholders understanding and utilizing energy, esp. efficiency, as a valued tool
- General citizenry awareness of the energy cycle – and that utilities are but one piece of the bigger picture

	U.S. DEPARTMENT OF ENERGY Renewable Energy
buildingdashboard	What Building Dashboard = online tool for providing engaging energy use <u>feedback</u> to building occupants and holding building vs. building electricity reduction <u>competitions</u> Competitions increase energy literacy + motivate behavior change by building occupants
Recent Competitions Washington, D.C. – 28 schools – 3 weeks – savings of \$300/school Santee School District (San Diego) – 9 schools – 3 weeks – overall electricity use reduction of 14.7%	 Top 3 Energy Literacy Needs/Issues 1. Educational materials for all ages – K-12 and higher education level 2. More visibility around energy reduction programs 3. Funding for educational programs

•





Academies for Teachers

Contact Juliet Crowell <u>CrowellJ@si.edu</u>

Week long energy class including:

- Generation and usage of electricity
- Possum Point Power Station, Dominion Power Staff
- Current and future energy production
- National Institute of Standards and Technology
- Solar power usage and nuclear power production
- Many other presenters: Fuel cells, wind energy, and geothermal energy

Top Energy Literacy Needs/Issues:

- 1. Improve teacher understanding of scientific concepts
- Providing teachers with experiences of pedagogical approaches designed to increase student achievement;
- Engaging teachers in dialog with scientists and engineers who are conducting research



Questions

Next: Additional Media Resources





daltonicfilms.com

GLACIAL BALANCE

Production and distribution of an educational documentary film with first-hand accounts of climate change in the Andes and the scientific study process
ethan@glacialbalance.com
glacialbalance.com

•Twitter/Facebook "Glacial Balance"

DVD & Speaking Engagements

•Educational screenings and discussions at high schools and universities (Director's attendance optional)

•Seeking to further DVD and speaking engagement outreach, and open to collaboration ideas to use the film to further education and action towards policy change (e.g. interactive museum exhibit)

•Arranging screenings and speaking engagements in Perú for COP20

Top 3 Energy Literacy Needs/Issues: (as your organization sees it)

Understanding of the scientific processUnderstanding of the human impactsAction to mitigate effects



Climate Smart & Energy Wise



Mark S. McCaffrey – National Center for Science Education

- How to infuse climate & energy throughout the curriculum
- <u>mccaffrey@ncse.com</u>
- <u>http://ncse.com/climate</u>

Advancing Science Literacy, Knowledge & Know-how

Including:

- Climate and energy as interdisciplinary and integrating themes
- Leveraging Next Generation Science Standards
- Addressing denial, doubt, and despair

Top 3 Energy Literacy Needs/Issues: (as your organization sees it)

- 1. Linking climate and energy issues
- 2. Providing teachers with PD and resources
- 3. Transforming schools into living laboratories





Data-enhanced Investigations for Climate Change Education (DICCE)

Our mission: to make remotely sensed NASA data useable for sparking inquiry and Earth System knowledge in gr. 6-12 classrooms

Danial Zalles - daniel.zalles@sri.com

Current Resources

- Website: <u>http://dicce.sri.com/</u>
- Help make NASA data about Earth's energy balance accessible to educators and learners
- Emphasize short wave and long wave incoming and outgoing radiation of Earth System and climate

Literacy Needs/Issues:

- 1. Wider use of resources
- 2. Tie to Energy and Climate Literacy
- 3. Funding for expansion and dissemination beyond pilot project phase





- resources (still growing)
- Curated collections for solar power, hydropower, wind power, fuel cells, biofuels, fracking, hybrid cars, geothermal energy, and the power grid
- Educator portal being added this fall
- Always looking for great content to feature in Sparticl – send your gems our way!

Teens (and adults) need:

- Easy access to creditable, engaging 1. information about energy
- 2. An overall STEM literacy that supports and fuels their energy literacy
- 3. Tools to make informed decisions about energy use and consequences





BrainPOP

- BrainPOP creates animated, curricular content that engages students, supports educators, and bolsters achievement. BrainPOP is also home to GameUp, an educational games portal for the classroom.
- carolinem@brainpop.com
- www.brainpop.com
- @brainpop

Current Resources

- Animated movies and supporting resources focusing on energy needs and issues
- Educational games to support skills and concepts
- Support materials through Educators



Top 3 Energy Literacy Needs/Issues:

Based on the content we've produced, BrainPOP has identified needs that address the following principles:

- 1. Energy is a physical quantity that follows precise natural laws.
- 2. Biological processes depend on energy flow through the Earth system.
- 3. The amount of energy used by human society depends on many factors.



Oil and Natural Gas



Energy4me – Society of Petroleum Engineers

- Discover the story of petroleum and how it shapes the world we live in
- energyed@spe.org
- <u>http://www.energy4me.org</u>

Advancing Science Literacy, Knowledge & Know-how

Including:

- History of oil production
- Oil formation, chemical composition, and energy content
- Petroleum products, uses, technologies
- The future of the industry and career opportunities for students

Top 3 Energy Literacy Needs/Issues: (as your organization sees it)

- 1. Develop awareness of energy issues
- 2. Engage students in career potentials of the energy industry
- 3. Encourage teachers to implement authentic science learning through handson exploration



Energy Efficiency & Renewable Energy





Educating youth about energy and energy solutions is necessary if future generations are going to help solve our energy problems. <u>www.ConnectEnergyEd.org</u>

Free STEM Resources for Grades 4-12, designed with the energy literacy principles at their core

- Standards-Based Multimedia Activities
- Games and Interactives
- Interactive Maps
- Videos
- Student-Friendly Encyclopedic entries
- Case studies
- Posters
- Career profiles

Top 3 energy literacy needs include arming students with the ability to:

- 1. Make informed energy decisions
- 2. Consider community impacts
- 3. Analyze energy issues from a local to global scale



CLEAN	Climate Literacy and Energy Awareness Network	 CLEAN A collection of 610+ free, ready-to-use and vetted climate and energy educational resources Contact: Tamara Ledley www.cleanet.org Facebook: CLEANET Twitter: @ClimateLit

Current Resources

Support for teaching energy science

<u>http://cleanet.org/clean/literacy/energy_lit.html</u>

Rigorously reviewed educational resources about climate and energy science, including activities, videos, and visualizations

 <u>http://cleanet.org/clean/educational_resourc</u> <u>es/index.html</u>

Top 3 Energy Literacy Needs/Issues:

- Clear messaging that helps people see that energy is linked to all aspects of society
- 2. Educational resources that demonstrate efficient and effective uses of energy
- Coordination and leveraging between climate and energy literacy efforts to extend reach and impact



Questions



Thank you to all our presenters

Next Steps:

Share this webinar / PowerPoint with educators www.doe.gov/eere/education/downloads/webcast-national-energy-literacy-virtual-town-hall

Download and apply the Energy Literacy Framework http://www1.eere.energy.gov/education/energy_literacy.html

Visit our DOE Webpage for links and resources http://energy.gov/eere/education/education-homepage

Contact us with questions, comments or ideas <u>energyliteracy@ee.doe.gov</u>

#energyliteracy