

# 2019 Cape Light Compact Energy Workshop for Teachers

## MARK YOUR CALENDARS AND REGISTER TODAY!

### Dates and Locations

February 28, 2019  
Cape Light Compact  
261 White Path Unit 4  
South Yarmouth, MA 02664

### Register Now!

Go to  
<http://events.constantcontact.com/register/event?llr=hyzzrodab&oeidk=a07efz1ecube89eb050>

Click and complete your registration!

**Please register no later than 5 days before event!**

**QUESTIONS OR TO CONTACT NEED**

Call or email Wendi Moss at  
1-800-875-5029 or [wmos@need.org](mailto:wmos@need.org).  
Visit our website at [www.NEED.org](http://www.NEED.org)



### About the Cape Light Compact:

**Cape Light Compact** is a nationally recognized award-winning energy services organization operated by the 21 towns on Cape Cod and Martha's Vineyard and Dukes County. The Compact's mission is to serve its 200,000 customers through the delivery of proven energy efficiency programs, effective consumer advocacy and renewable competitive electricity supply. The Compact invests in STEM education for teachers and students to encourage a strong understanding of energy – the science, sources, uses and efficiency.



### Who Should Attend?

- K-12 Teachers in Science, Math, Technology, Social Studies or other disciplines
- Afterschool Program Leaders
- Scout or Youth Group Leaders with an interest or focus on STEM and Energy.

### What Will You Receive?

- Science of Energy Kits or other NEED hands-on kits
- Substitute Reimbursement
- Breakfast and Lunch
- PDPs
- Massachusetts Standards Aligned Curriculum
- Breakfast & lunch provided
- All at no cost to you or your school.

### What is the NEED Project?

The NEED Project designs and delivers teacher- tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators. NEED materials and training programs provide comprehensive, objective information about the scientific concepts of energy and the sources of energy – their use and their impact on the environment, the economy and society. NEED and the Cape Light Compact work together to provide high quality energy training for teachers and students.

# Cape Light Compact Energy Workshop

Co-Hosted by The NEED Project

February 28, 2019

Cape Light Compact

261 White Path Unit 4

South Yarmouth, MA 02664

## Agenda

- 8:00 a.m. Registration**  
Pick up NEED materials and conference supplies. Continental breakfast will be served. NEED curriculum kits are sponsored for each teacher attending the workshop. Packets include supplemental classroom materials, Energy Infobooks at 3 grade levels, and much more! Complete a pre-workshop assessment.
- 8:15 a.m. Welcome and Introductions**  
Meet your fellow participants, play Energy Efficiency Bingo and start thinking of ways to bring more energy to your classroom. Review goals and objectives for the workshop and begin planning ways to use the NEED materials and training in your school.
- 9:00 a.m. The Science of Energy**  
Learn more about the forms of energy while experimenting with the NEED Project's Science of Energy kit.
- 10:30 a.m. Energy Round-Up and Electric Connections**  
After learning about the forms of energy, we will study the sources of energy: What are they? Where do they come from? And how do we use each of the 10 sources of energy? Discover how the different energy sources contribute to the generation of electricity.
- 11:00 a.m. Baseload Balance**  
This activity demonstrates how electricity supply is transmitted on the electric grid to consumers. It explores the differences between baseload and peak demand power, and how power companies maintain supply to ensure customers have power as they need it.
- 11:45 a.m. Introduction to Energy Efficiency and Conservation**  
How do you use energy in your daily life at school? Learn how energy is consumed and easy steps you and your students can take to reduce energy use at home and at school.
- 12:00 p.m. Lunch**
- 1:00 p.m. Energy House Challenge**  
Work in groups to tackle the Energy House Challenge!
- 2:15 p.m. Testing Your Energy House**
- 2:45 p.m. Energy Conservation and Efficiency in Your Home - Web System Activity**  
This quick lesson allows participants to understand a home as a system and to better conserve energy resources.
- 3:00 p.m. Energy Fairs, Carnivals and More!**  
Explore a Cape Light Compact Energy Fair and Carnival and learn how to host one for your local community.
- 3:15 p.m. Q & A and Paperwork!**  
Evaluation, Post-Knowledge Assessment, and Ordering Kits
- 3:30 p.m. Adjourn**

**Thank You to the Cape Light Compact for supporting the workshop and curriculum materials.**