Welcome! We will be starting soon.
The Low-Income Forum on Energy Presents:

**Community in Action:**
An Energy Education Opportunity

Kelly Flowers, Mary Thompson Grassi, Gary Swan
National Energy Foundation

July 29, 2015
1:30 p.m. – 2:30 p.m. ET
Working to help low-income New Yorkers address energy issues.

LIFE, the Low-Income Forum on Energy, is a unique statewide dialogue that brings together organizations and individuals committed to addressing the challenges and opportunities facing low-income New Yorkers as they seek safe, affordable and reliable energy.

Supported by the New York State Public Service Commission and the New York State Energy Research and Development Authority (NYSERDA), the LIFE dialogue encourages an interactive exchange of information and collaboration among the programs and resources that assist low-income energy consumers.
→ Monthly webinars
   Wednesday, August 19, 2015 @ 1:30-2:30 p.m. ET
   
   Implications of Section 111(d) of the Clean Air Act for Low-Income Communities
   Energy Outreach Colorado and Edison Electric Institute

→ Monthly email newsletter
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Contact LIFE
1-877-NY-SMART, Option #5
LIFE@nyserda.ny.gov
Asking and Responding to Questions

Welcome!
We will be starting soon.

Type into the text field and click “send.”
Technical Difficulties or Contacting the Host

Click on the “Chat” icon to activate the chat function.
COMMUNITY IN ACTION:
AN ENERGY EDUCATION OPPORTUNITY

Low Income Forum on Energy
Webinar Series
Wednesday, July 29, 2015
1:30 PM– 2:30 PM
Gary Swan - NEF, Vice President
Mary Thompson Grassi - NEF, Consultant
Kelly Flowers - NEF, Program Director
National Energy Foundation

Founded in 1976

A 501 (c) (3) non-profit educational organization dedicated to the development, dissemination, and implementation of supplementary educational materials, programs, products and services.

Resources for education relate primarily to energy, water, natural resources, science and math, technology, conservation and the environment.

Products and services enrich and enhance teaching and learning to recognize the importance and contribution of natural resources to our economy, to national security, the environment and our quality of life.
TO CULTIVATE AND PROMOTE AN ENERGY LITERATE SOCIETY
Think! About energy.

Talk! about energy.

Take Action! now about our energy for today and the future!

¡Piense! ¡Hable! ¡Tome Acción!
NEF Energy
Education Programs

Bright Kids
Take Action!
Innovation
Teacher Workshops and…
PPL Electric Utilities Program Experience
Welcome and thank you for coming tonight!
What Is Energy?
Energy is the ability **to do work** and **produce change**.
Today we are talking about **Energy**.

- Where it comes from.
- How we use it.
- How we can be energy efficient.
Virtually everything we do or use at home and at work uses energy.

Todo lo que hacemos requiere alguna forma de energía.
Natural Resources

Los Recursos Naturales
Where Does Your Energy Come From?

¿De dónde viene la energía?
In the State of New York
Nonrenewable 73%
Renewable 27%
Nonrenewable and Renewable Resources

- Nuclear 36.7%
- Natural Gas 35.3%
- Hydro 20.9%
- Other Renewables 5.8%
- Coal and Oil 0.7%
Wise Energy Management

Gestión racional de la energía
Check weather stripping around doors and windows to save energy.
Clean air filters and keep area clutter free.
Use programmable thermostats and efficient night lights.
Standby power and phantom loads use energy.
Let’s all work together
to save energy.
How can you be more energy efficient with electricity?

¿Cómo se puede ser más energía eficiente con el uso de la electricidad?
Energy efficiency is using **less energy** to accomplish the same amount of work.

_Eficiencia energética está usando menos energía para realizar la misma cantidad de trabajo._
Behavior

Turn off lights.

Technology

Replace light bulbs with LED bulbs. They use up to 75 percent less energy than incandescents and last up to 20 times longer.

Comportamiento: Apague la luz cada vez que sale de un cuarto.

Tecnología: Reemplace bombillas con las LED. Ellas usan hasta un 75 por ciento menos energía que las incandescentes y duran hasta 20 veces más.
Behavior

Not using them? TVs, computers and game consoles - off.

Technology

Use a smart power strip.

Comportamiento: Desactive televisores, computadoras y consolas de juego cuando no esté utilizando.

Tecnología: ¡Cuidado con cargas fantasma! Utilice un enchufe protector para reducir el desperdicio de energía.
**Behavior**

Adjust the thermostat for the season.

*Comportamiento: Ajustar el termostato de la temporada.*

**Technology**

Use a programmable thermostat.

*Tecnología: Utilice un termostato programable y configurarlo para ajustar la temperatura cuando no hay nadie inclusive.*
Behavior
- Wash clothes in cold water.
- Wash full loads of laundry and dishes.

Comportamientos:
- Lave platos en un lavaplatos sólo cuando está completamente lleno.
- Lave ropa en agua fría.
- Lave ropa en la lavandería solo si tiene toda la capacidad.

Technology
Water heater temperature 120 F.

Tecnología: Ajuste la temperatura en el calentador de agua a 120 F.
How can you be more energy efficient with recycling?

¿Cómo se puede ser más eficiente con el reciclaje?
Recycle all types of paper products and buy recycled products.

Use both sides of paper.

Recycle your refrigerator and your electronics.

Recycle your CFL at local stores.

Recicle todo tipo de productos de papel y comprar material de origen reciclado.
Recicle su refrigerador y su electronica.
Utilice ambas caras del papel.
Recicle las bombillas CFL en las tiendas locales.
How much does it cost to light your home?
Discover how much money you would save if all the light bulbs in your home were LEDs.

Take a walk around your home with your family to survey the lighting.

1. Count the bulbs in each room and record it in Table 1.
2. Transfer this information into Column A on Table 2.
3. Multiply the numbers in Column A by the given amounts in Column B, place the answers in Column C.

4. Discover how much money you will save if all the bulbs in your home were LEDs. Multiply the total number of bulbs in your home by the annual cost of electricity for one LED. How does this total compare with your current total in Column C?

### Table 1

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>Incandescents</th>
<th>LEDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bedroom 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bedroom 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kitchen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dining room</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Living room</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hallway</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laundry room</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Family room</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front porch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Table 2

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INCANDESCENT</strong></td>
<td></td>
<td>$4.19</td>
<td>=</td>
</tr>
<tr>
<td><strong>LED</strong></td>
<td></td>
<td>$0.88</td>
<td>=</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>$0.88</td>
<td>= Annual cost of electricity with only LEDs</td>
</tr>
</tbody>
</table>
Work together to save energy

Trabajando juntos para ahorrar la energía
Please complete and return

Por favor complete y retorno
## Home Energy Worksheet

### Boletín del Hogar

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>School ID</td>
<td></td>
</tr>
<tr>
<td>School Name</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td></td>
</tr>
<tr>
<td>Zip</td>
<td></td>
</tr>
<tr>
<td>Name (optional)</td>
<td></td>
</tr>
<tr>
<td>Address (optional)</td>
<td></td>
</tr>
<tr>
<td>1. What is the main source of heat in your home?</td>
<td>Electricity, Natural gas, Wood or geothermal, Other fuel</td>
</tr>
<tr>
<td>2. If you have a furnace, how old is it?</td>
<td>0 - 5 yrs, 6 - 10 yrs, 11 - 15 yrs, 16+ yrs, NA</td>
</tr>
<tr>
<td>3. How would you rate the condition of your furnace?</td>
<td>Works well all the time, Works well most of the time, Needs to be replaced</td>
</tr>
<tr>
<td>4. What type of housing do you live in?</td>
<td>Single-family, Multi-Family, Other</td>
</tr>
<tr>
<td>5. How old is your home?</td>
<td>0 - 5 yrs, 6 - 10 yrs, 11 - 15 yrs, 16 - 20 yrs, 21 - 30 yrs, 31+ yrs</td>
</tr>
<tr>
<td>6. How is your water heater?</td>
<td>Natural gas, Propane or other method, Electricity</td>
</tr>
<tr>
<td>7. How old is your water heater?</td>
<td>0 - 5 yrs, 6 - 10 yrs, 11 - 15 yrs, 16+ yrs, Don’t know</td>
</tr>
<tr>
<td>8. How would you rate the condition of your water heater?</td>
<td>Works well all the time, Works well most of the time, Needs to be replaced</td>
</tr>
<tr>
<td>9. Does your home have an air conditioner?</td>
<td>No, Yes, central, Yes, room, Yes, other</td>
</tr>
<tr>
<td>10. If you have room air conditioners, how many are in the home?</td>
<td>1, 2, 3, 4, 5+</td>
</tr>
<tr>
<td>11. If the answer to question 8 is yes, how old is the unit or system?</td>
<td>0 - 5 yrs, 6 - 10 yrs, 11 - 15 yrs, 16+ yrs, NA</td>
</tr>
<tr>
<td>12. How would you rate the condition of your air conditioner?</td>
<td>Works well all the time, Works well most of the time, Needs to be replaced</td>
</tr>
<tr>
<td>13. How many people live in your home?</td>
<td>1, 2, 3, 4, 5, 6, 7, 8, 9, 10+</td>
</tr>
<tr>
<td>14. If you have a programmable thermostat, what temperature do you typically set for the summer months?</td>
<td></td>
</tr>
<tr>
<td>15. If you have a programmable thermostat, what temperature do you typically set for the winter months?</td>
<td></td>
</tr>
</tbody>
</table>
Community in Action Forum Evaluation

Participate: Please take a moment to answer the following questions. You may leave the survey at the registration table.
Thank you.

School ID

School name

City

Zip

Name (optional)

Address (optional)

1. How would you rate the information in the presentation?
   - [ ] Very helpful
   - [ ] Somewhat helpful
   - [ ] Indifferent
   - [ ] Not helpful

2. How effective were the presenters in communicating information concerning the Home Energy Worksheet, Scan Form, and kit contents?
   - [ ] Very helpful
   - [ ] Somewhat helpful
   - [ ] Indifferent
   - [ ] Not helpful

3. How would you rate the overall Community in Action forum in its ability to assist your household with its energy use?
   - [ ] Very helpful
   - [ ] Somewhat helpful
   - [ ] Indifferent
   - [ ] Not helpful

4. What was the most useful part of the Community in Action forum?

5. Suggestions/Comments:

   Community in action is a THINK ENERGY program.

   PLOA
and pick up your **Community in Action Kit.**

y recoja su Kit de Acción en Comunidad
Thank you for participating!
For more information, contact:

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Join us for the next webinar:

August 19, 2015 @ 1:30 p.m. – 2:30 p.m. ET

Implications of Section 111(d) of the Clean Air Act on Low-Income Communities

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