



NEW YORK
STATE OF
OPPORTUNITY.

**Low-Income
Forum on Energy**

**Welcome! We
will be starting soon.**



Low-Income Forum on Energy

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



Low-Income Forum on Energy

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.



Low-Income Forum on Energy

→ 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

Sign up at lifenynews.org

→ Social media

LinkedIn: Low-Income Forum on Energy

Twitter: @LIFEnys



Low-Income Forum on Energy

Find more information on the website

www.lifenynews.org

Join the mailing list

www.lifenys.org/signup

Share article suggestions, webinar ideas, events

www.lifenys.org/share

Contact LIFE

1-877-NY-SMART, Option #5

LIFE@nyserda.ny.gov

Asking and Responding to Questions

The screenshot displays the Cisco WebEx Event Center interface. The main content area shows a slide with the following text:

NEW YORK
STATE OF OPPORTUNITY.

**Low-Income
Forum on Energy**

Welcome!
We will be starting soon.

The right-hand sidebar contains a 'Participants (1)' panel with the following details:

- Speaking:
- Panelists: 1
 - NYSERDA Events** (Host, me)
- Attendees: 0 (0 displayed)

Below the participants panel is a 'Q&A' panel, which is circled in red. It includes a 'Send' button and a 'Send Privately...' button. Two yellow arrows point to the 'Send' and 'Send Privately...' buttons from the right side of the screen.

Select a question, and then type your answer here. There is a 256-character limit.

Send Send Privately...

Connected

Type into the text field and click “send.”

Technical Difficulties or Contacting the Host

The screenshot shows the Cisco WebEx Event Center interface. The top navigation bar includes 'Participants', 'Chat', 'Recorder', 'Q&A', and 'PPT Notes'. The 'Chat' icon is circled in red, and a yellow arrow points to it from the right. Below the navigation bar, the 'Participants' panel shows 'Speaking:' and 'Panelists: 1' with 'NYSERDA Events (Host, me)'. The 'Attendees' section shows '0 (0 displayed)'. The 'Chat' panel is also circled in red, and a yellow arrow points to it from the right. The main content area displays a 'Welcome! We will be starting soon.' message for the 'Low-Income Forum on Energy' event. The 'Q&A' panel shows 'All (0)'. The bottom status bar indicates 'Connected' and 'Speakers: 100%'.

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.

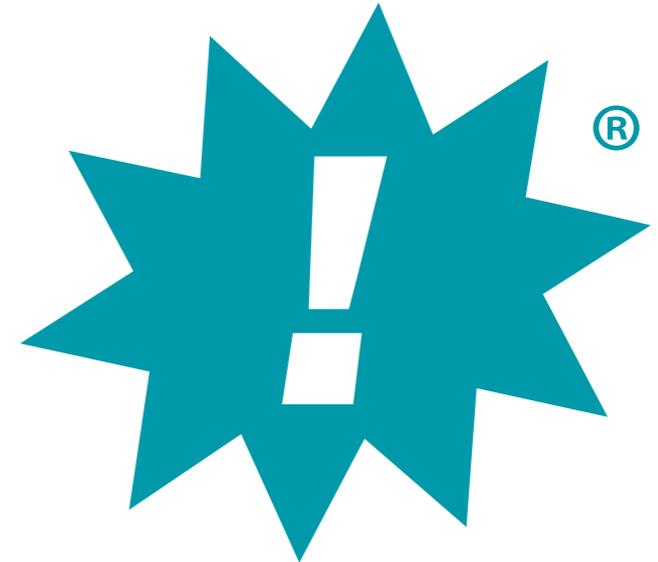
¡Piense!



Talk!

about
energy.

¡Hable!



Take Action!

now about our
energy for today
and the future!

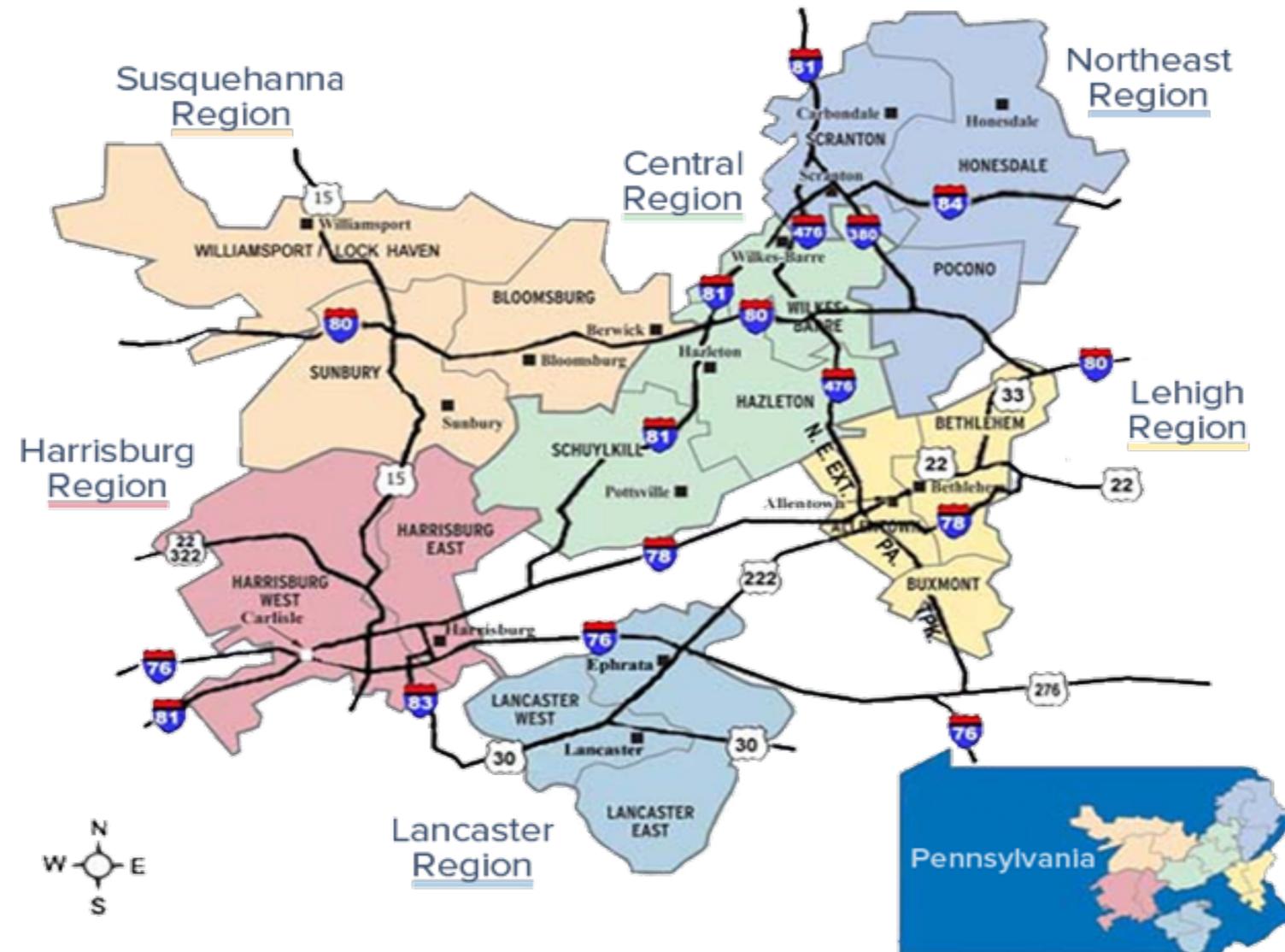
¡Tome Acción!

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**.

La energía es la capacidad de trabajar y producir un cambio.

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?



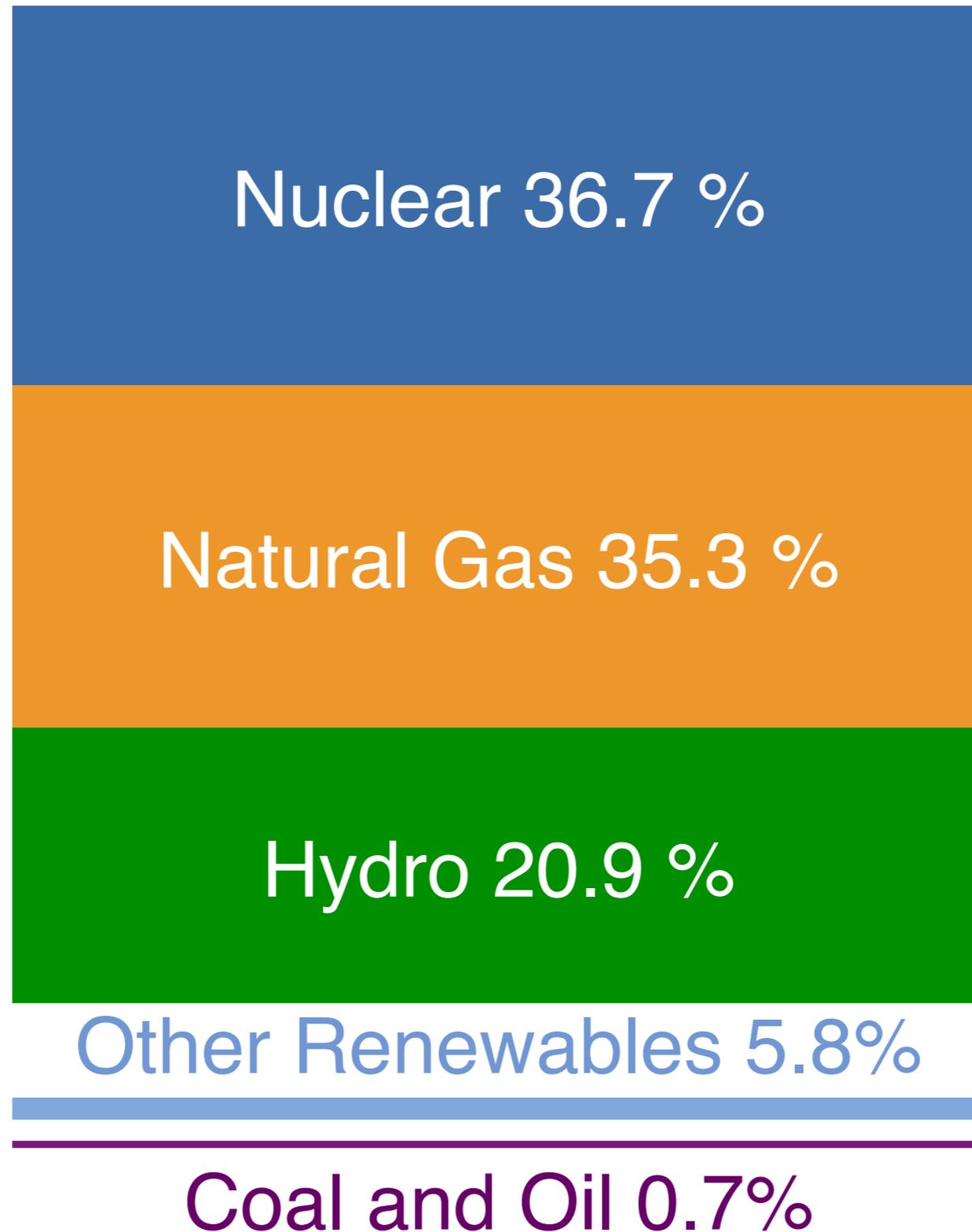
In the State of New York

En el Estado de Nueva York



Nonrenewable 73%
Renewable 27%

Nonrenewable and Renewable Resources





Wise Energy Management

Gestión racional de la energía



Controlling Consumption

A man in a light blue button-down shirt is standing outside a house, looking towards a young boy in a green polo shirt who is standing in a doorway. The boy is holding a roll of white weatherstripping material and pointing towards the door. The man appears to be explaining something to the boy. The background shows a brick wall and a white door with a decorative glass insert. The interior of the house is visible through the doorway, showing a hallway with a wooden door and a light switch.

**Check weather
stripping around
doors and
windows to save
energy.**

The image shows two men in blue button-down shirts standing in a utility room. The man on the right is holding a large, white, pleated air filter. In the background, there are various HVAC components, including a furnace with a 'GLAXIAN' logo and a water heater with an 'EverKleen' logo. The scene is well-lit, and the overall tone is professional and instructional.

**Clean air filters
and keep area
clutter free.**

A man in a blue button-down shirt and khaki pants stands in a hallway, looking at a thermostat on the wall. Two children, a boy in a blue polo shirt and a girl in a red shirt, stand next to him, looking at the thermostat. The hallway has white walls, a white door, and a light switch.

**Use programmable
thermostats
and efficient night
lights.**

Standby power and phantom loads use energy.



2491

**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.

LEDs are a
great
example

Behavior

Turn off lights.

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

Technology

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

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.

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

Technology

Use a smart
power strip.

Tecnología: ¡Cuidado con cargas fantasmas! 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.

Recycle todo tipo de productos de papel y comprar material de origen reciclado.

Recycle su refrigerador y su electronica.

Utilice ambas caras del papel.

Recycle las bombillas CFL en las tiendas locales.



COMMUNITY IN ACTION™



power®

PPL ELECTRIC UTILITIES



**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.

TABLE 1		
LOCATION	Incandescents	LEDs
Bedroom 1)		
Bedroom 2)		
Kitchen)		
Dining room		
Living room		
Hallway		
Laundry room		
Family room		
Front porch)		
Other)		
TOTAL		

TABLE 2			
	A	B	C
	Number of bulbs (from Table 1)	Annual cost of electricity for one bulb	Current annual cost of electricity
INCANDESCENT	X	\$4.19	=
LED	X	\$0.88	=
TOTAL			



\$0.88	=	Annual cost of electricity with only LEDs)
--------	---	---

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?

A diverse group of young people, including men and women of various ethnicities, are smiling and looking towards the camera. They are dressed in casual, colorful clothing. The background is slightly blurred, focusing attention on the individuals in the foreground.

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

**Community in Action
Home Energy Worksheet**

School ID

School Name

City

Zip

Name (optional)

Address (optional)

1. What is the main source of heat in your home?
 Electricity Natural gas
 Wood or geothermal Other fuel

2. If you have a furnace, how old is it?
 0 - 5 yrs 6 - 10 yrs 11 - 15 yrs
 16+ yrs NA

3. How would you rate the condition of your furnace?
 Works well all the time
 Works well most of the time
 Needs to be replaced

4. What type of housing do you live in?
 Single-family Multi-family Other

5. How old is your home?
 0 - 5 yrs 6 - 10 11 - 15
 16 - 20 21 - 30 31+

6. How is your water heated?
 Natural gas Electricity
 Propane or other method

7. How old is your water heater?
 0 - 5 yrs 6 - 10 yrs 11 - 15 yrs
 16+ yrs Don't know

8. How would you rate the condition of your water heater?
 Works well all the time
 Works well most of the time
 Needs to be replaced

9. Does your home have an air conditioner?
 No Yes, central
 Yes, room Yes, other

10. If you have room air conditioners, how many are in the home?
 1 2 3
 4 5+ NA

11. If the answer to question #9 is yes, how old is the unit or system?
 0 - 5 yrs 6 - 10 yrs 11 - 15 yrs
 16+ yrs NA

12. How would you rate the condition of your air conditioner?
 Works well all the time
 Works well most of the time
 Needs to be replaced

13. How many people live in your home?
 1 2 3 4 5
 6 7 8 9 10+

14. If you have a programmable thermostat, what temperature do you typically set for the summer months?

15. If you have a programmable thermostat, what temperature do you typically set for the winter months?

Program Evaluation

La Evaluación

Community in Action Forum Evaluation

Participants: 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.

PPL CIA

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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Low-Income Forum on Energy

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

Energy Outreach Colorado and Edison Electric Institute

nyserda.ny.gov/LIFE-Webinar-Series



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Contact LIFE

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