



ENERGY REVEALED CHALLENGE

Track Energy Use with a Lights-out Event!

2023 - 2024

The [Energy Revealed Program](#) explores ways to make energy visible in schools and in our homes. Whether learners are using installed energy metering technology, plug-in energy metering technology or no technology at all – Energy Revealed will help learners become energy efficiency experts. This package contains everything you need to complete and submit an entry for the 2024 Energy Revealed Challenge. Get inspired for your participation by taking a look through our [showcase of previous entrants!](#)

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Complete the following entry form and upload it to the submission page (accessed GreenLearning's [Challenge Page](#)) by **Friday, May 3, 2024 at 11:59pm PST**. Best of luck to you and your learners! If you have any questions or concerns at any time, please contact us at programs@greenlearning.ca or check out our [Frequently Asked Questions](#) page.

Challenge Instructions

To participate in the 2024 Energy Revealed Challenge, please follow the steps below:

Step 1: Preparation

Review the [Educator Resource](#) to learn about the Lights Out event and the importance of energy conservation in your school! Using this information choose a day and time for your school's Lights Out Event.

We **highly recommend** completing a selection of learning activities from the [Energy Revealed Program](#) to equip your learners with the necessary knowledge and skills for the challenge:

Learn about energy metering and energy conservation:

- Give your learners a rich understanding of energy efficiency, by completing activities such as: [Can You Observe How To Conserve](#) and [Speak For The Trees](#).
- Work with your Facilities Operator to baseline your school's energy usage with the activity [All About That Baseline](#)

Make an energy savings plan for your school!

- Plan out the actions you are going to take to conserve energy during your School Earth Hour and beyond.
- Plan how you will record the impacts of your Lights Out event
- Plan how you will share your learnings with others in your community and beyond!

Promote your School Lights Out event!

- Do promotional events, such as announcements, posters, social media posts etc. to involve as many students as possible in the event.

Step 2: Host Your Lights Out Event & Measure Your Impact

Have fun saving energy and making a positive impact! After hosting your Lights Out event, celebrate your impact by determining the positive effects of your actions! Use the [Energy Revealed Program](#) resources listed below to support you.

Calculate and Celebrate Your Impact

- Calculate how many kWh you saved during your Light Out event. If you have wattmeters, you can explore plug loads by using [Energy Revealed](#) activities such as [Electronic Overload](#) or [Start Me Up](#).

- Use GreenLearning's [Electrical Energy Calculators](#) to see how many kg of Greenhouse Gasses and dollars you saved.

Step 3: Share and Spread the Word

Share your learning and Lights Out event with your family, within your school community, on the radio, on social media, or any other forms! Find what suits your group and get creative! Celebrate your learnings and accomplishments and educate others on how they can take climate action!

We would love to see your Energy Revealed Challenge process, tag [@GreenLearning](#) on [Twitter \(X\)](#), [Instagram](#) and [Facebook](#).

Step 4: Submission

Use the following checklist as a guide to help get organized for submitting all materials and forms by **May 3, 2024, at 11:59 pm PST**.

Submission Checklist:

- ☐ Energy Revealed Challenge Package with completed Entry Form, Sharing Your Learning, and Reflection Questions
- ☐ Energy Savings Plan
- ☐ Supporting materials for judging, such as:
 - ☐ Student work including evidence of measured impacts from event
 - ☐ Photos and videos of students and their projects- *tell us your story!*
- ☐ Media Release Form(s) for individuals shown in photos or videos

Use the Selection Criteria below to support your Challenge process.

Entries that meet the requirements outlined in the [Energy Revealed Challenge Rules and Regulations](#) will be judged between May 6, 2024 and June 5, 2024. The first, second and third place submissions will be awarded cash prizes of \$1,000, \$500 and \$250 respectively. Winners will be announced online on or around June 5th, 2024.

Selection Criteria

GreenLearning has recruited a panel of industry experts with experience and expertise on energy efficiency and conservation to judge and provide feedback on challenge submissions. This panel of judges will be evaluating submissions based on the following selection criteria:

Criteria	Level 4	Level 3	Level 2	Level 1
Energy Savings Plan <i>Creativity, Communication, and problem solving.</i> (20 points)	The Energy Savings Plan is highly logical, presented in a highly engaging format and creative in reducing energy use.	The Energy Savings Plan is logical, presented in an engaging format, and creative in reducing energy use.	The Energy Savings Plan is somewhat logical, has minimal engagement in presentation, and is somewhat creative in reducing energy use.	The Energy Savings Plan is difficult to follow in logic and presentation, and is limited in reducing energy use.
School Earth Hour: Impact <i>Kilowatt Hours of energy saved & Assessing Impact</i> (10 points)	Ample evidence of students measuring energy impact (kWh) and clear evaluation of the impacts from student actions.	Evidence of students measuring energy impact (kWh) and evaluating the impacts from student actions.	Some evidence of students measuring energy impact (kWh) and some evaluation of the impacts from student actions.	No evidence of students measuring energy impact (kWh) or evaluating the impacts from student actions.
Supporting Materials: <i>Evidence of Learning</i> (15 points)	5+ photos, videos or student worksheets were submitted.	3-4 photos, videos or student worksheets were submitted.	1-2 photos, videos or student worksheets were submitted.	No photos, videos or student worksheets were submitted.
Sharing Your Learning <i>Communication and collaboration.</i> (10 points)	Learning was shared with clear educational intention and through multiple forms.	Learning was shared with some educational intention <i>and/or</i> through multiple forms.	Some learning was shared with some educational intention..	No learning was shared throughout this challenge.
Reflection Question <i>Creativity and critical thinking.</i> (10 points)	Recommendations apply a strong circular economic model and are highly creative.	Recommendations apply a circular economic model and are creative.	Recommendations somewhat apply a circular economic model and are creative.	Recommendations do not include a circular economic model and lack creativity.

Entry Form

Please tell us about yourself and your class. If more than one educator or group leader was involved please complete this form based on who will be the **main contact**.

This section is not scored.

Educator's name:

Educator's email address:

Preferred Title: (E.g. Ms. Frizzle, Mx. Simpson)

School Name and Board:

School City:

School Province:

Educator and/or School Social Media Handles:

Number of Learners Participating:

Grade Level(s):

Subject(s) or Club Name:

Date of Lights Out Event:

Total participants for Lights Out Event:

Kilowatt-Hours (kWh) of Energy Saved:

Sharing Your Learning

The following question can be answered by the **joined effort** of educators and learners and is **supported by the photos, videos, and other relevant materials** provided in your submission. Sharing learning may include social media platforms, school assemblies, community events, local media coverage, or any other means

This section is scored out of 10 points. Please see the Selection Criteria for details.

1. How did you share your experience learning about energy efficiency and energy conservation while participating in the Energy Revealed Challenge? What did you do to help inspire others to take action? How many people did you reach as a result? *Please break down how you shared your learning with others.*

Total # of people shared with: _____

Reflection Questions

The following questions **must** be answered **by learners**, either individually or as a team and can be submitted in any media form (written, video, slideshow, song/rap, etc.).

This section is scored out of 10 points total. Please see the Selection Criteria for details.

- a)** How has participating in a Lights Out event helped you better understand energy use and conservation at your school or in your community and why is energy management important? **(/5)**
- b)** Now that you have a better understanding of energy use in your school, what next steps would you take to make your school, and the people who attend, more energy efficient? **(/5)**

Educator Feedback

GreenLearning is consistently looking for ways to improve our challenges and collect participant feedback. Please take a few moments to tell us about your experience by answering the questions below.

This section is not scored, but we greatly appreciate your feedback!

Efficacy of Challenge & Supporting Resources:

Please complete the table regarding the efficacy of the Challenge and associated learning:

	Not Effective	Somewhat Effective	Effective	Quite Effective	Very Effective
Developing student understanding of renewable energies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Building confidence in teaching about renewable energies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Providing students opportunity to demonstrate their understanding through action.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reflecting On YOUR Experience:

Tell us about your experience as an educator with the Re-Energy Challenge:

Did you face any barriers? Align with your objectives? Use the resources? Do you have suggestions?

Reflecting On STUDENT Experience:

Tell us about your students' experiences with the Re-Energy Challenge:

Did they face any barriers? What were your students most excited about? Do they have suggestions?

Please use this opportunity to share any other questions, comments, or thoughts with us.

Congratulations!

Dear Parent / Guardian,

Your child's class, school, or eco club is participating in an exciting Climate Action Challenge hosted by GreenLearning! It's a great chance for them to learn and work together with their peers to make a difference in the fight against climate change. Plus, they could win up to \$1000 for their school, amplifying the impact of their climate actions!

To help share their story and experience in the Climate Action Challenge, please complete the attached media release form and return it to the school. This form gives permission to capture and include photos, statements, and projects created by the students. More details can be found on the *Media Release Form* below.

More about us: GreenLearning creates free education programs about energy, climate change and green economy that engage and empower students to create positive change for our evolving world. Our programs include both hands-on and critical thinking activities to equip educators with the educational tools they need to help students understand complex environmental issues.

For Your Attention:

*** Please Sign and Return the Media Release Consent Form on Page 2**



SCAN the QR codes below for more info!



Website



Challenges



Showcase

<https://programs.greenlearning.ca/energy-revealed>

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GreenLearning's Challenges: Media Release Consent Form

Sign and return to secure your child's participation!

Due date: _____

I, _____ hereby authorize

(Name of parent or guardian if participant is a minor, under the age of 18)

GreenLearning Canada Foundation to use and publish my child's name, image, likeness, statements, participant work and performance without charge, for public viewing and promotional purposes in publications, advertising, video, web, new media and other formats as determined by the organization. I also give permission for any content as uploaded to the Google shared folder associated with GreenLearning's programs or challenges to be used and/or edited as required.

I am aware that my child's name and/or picture and/or voice may appear in a print advertisement or other promotional material or be shown on the internet on which my child's picture can be seen or voice heard on a recording and I hereby grant permission to GreenLearning Canada Foundation to use my child's picture, voice, and/or name for these purposes.

I hereby waive any right to inspect or approve the use of these works or any electronic materials that may be used in conjunction with them now or in the future, whether the use is known to me not. I also waive all rights to any royalties related to the use of these works.

I hereby release GreenLearning Canada Foundation, and its officers, employees, shareholders and directors from any and all liability whatsoever, for now and forever.

External Media and Special Events

I also understand that external media or partner organizations might attend special events that are related to GreenLearning's programs and challenges. At these events, I give permission for my child's name, image, likeness, statements, participant work and performance to be photographed, filmed, audio or video taped for the purpose of being published and/or broadcasted online or on radio and television.

☐

Please mark this checkbox if you **AGREE** for your child to be photographed, filmed, audio or video taped as mentioned or described above **in parts one and two**.

Child's name: _____

School: _____

Grade: _____

Teacher's name: _____

Parent's / Guardian's name: _____

Parent's / Guardian's email: _____

Parent's / Guardian's signature: _____

Date: _____