

# Wisconsin’s K-12 Energy Education Program (KEEP)

## 2024 Calendar Year End of Year Report to Funders

Reporting period January 1- December 31, 2024

Submitted in support of the KEEP contract to the 2024 funding agencies:



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## Vision, Mission, and Goal

### **Wisconsin Center for Environmental Education**

#### **Vision**

The Wisconsin Center for Environmental Education envisions an actively engaged, educated population who create and maintain sustainable human and natural communities.

#### **Mission**

The Wisconsin Center for Environmental Education provides leadership and resources to advance education for sustainable human and natural communities.

### **Wisconsin's K-12 Energy Education Program (KEEP)**

The Wisconsin Center for Environmental Education supports energy education through the KEEP program. KEEP provides professional development and training, youth and community engagement, lessons, activities, and teaching tools, networking and communications, and consultation and support to Wisconsin's K-12 public and private districts, schools, educators, youth, and non-formal K-12 educators within six funded Utility service territories.

KEEP leverages teacher education to increase energy literacy of K-12 youth through energy education opportunities in Wisconsin's K-12 community. This approach aims to improve informed energy decision-making among Wisconsin citizens contributing to statewide energy savings and securing a healthy economic and environmental future for Wisconsin communities.

#### **Vision**

KEEP envisions communities making informed energy choices now and for a sustainable future.

#### **Mission**

KEEP initiates and facilitates the development, dissemination, implementation, and evaluation of energy education programs within Wisconsin schools.

#### **Goal**

KEEP leverages teacher education to improve and increase energy literacy in Wisconsin's K-12 schools as a means of contributing to statewide energy savings.

#### **Website**

<http://www.KEEPprogram.org>

### **Partnership Program**

Wisconsin's K-12 Energy Education Program (KEEP) is a partnership between Alliant Energy, Madison Gas and Electric, We Energies, Wisconsin Public Service, WPPI Energy and Xcel Energy and the Wisconsin Center for Environmental Education within the College of Natural Resources at the University of Wisconsin-Stevens Point.

## Outreach Goals for Calendar Year 2024

This goal is calculated based on the average of the previous three years of participation for educators.

		Goal	
		Educators	Youth
		407	2041
Funding Agency	% Budget		
We Energies	42%	171	857
Alliant Energy	18%	73	367
Wisconsin Public Service	17%	69	347
Xcel Energy	10%	41	204
WPPI Energy	7%	29	143
Madison Gas and Electric	6%	24	123

# Scope of Work for Calendar Year 2024

KEEP's work is structured within the following program areas by objectives and strategies.

## *Professional Development & Training*

### **Objectives:**

1. Provide educators energy-related knowledge, skills, and resources.
2. Increase educators' integration of acquired knowledge and resources into their curriculum.
3. Increase utilization of school buildings and grounds as teaching tools.
4. Inspire educators to teach about energy concepts including global climate change.
5. Provide educators with energy career pathways, connections, and resources.

### **Strategies:**

- Develop, deliver, and evaluate non-credit courses, workshops and in-services which support professional development priorities for educators, schools, and school districts in participating utility service territories.
  - Minimum of 4 offerings that encourage educators to use their school building, on-site renewable energy systems and/or real-world energy data to integrate energy concepts and activities.
  - Minimum of 4 offerings that provide educators basic energy concepts and teaching methods.
  - Minimum of 2 offerings that encourage educators to integrate exploration of energy concepts outdoors.
  - Offer a KEEP Kits Expo for each new KEEP kit that is released in 2024 and to highlight other KEEP Kits and their companion lessons.
  - Partner with DPI and MPS to train educators on use of WiseLearn and Wisconsin Climate Education Hub to access KEEP lessons.
  - Support the facilitation of at least 2 Wisconsin KidWind Educator workshops.
  - Support the facilitation of 1 Wisconsin Public Service SolarWise for Schools workshop.
  - Support DPI Energy Career Pathway by providing Career and Technical Education training to CTE consortia as they consider the pathway for adoption in their region.
  - Leverage energy educators for their classroom expertise in professional development and training.

### **Metrics of Success:**

- Number of educators trained
- List of participating schools/districts
- Number of courses, workshops and/or in-services conducted
- Number of students reached indirectly through classroom integration of curriculum and resources (estimated at 60 students per educator trained)

### **Evaluation:**

- Assess and implement changes based on results of program evaluation measures.
  - Administer an evaluation at the end of each professional development or training.
  - Conduct an annual post-professional development survey of all participants and prepare summary report (available upon request).

## *Youth & Community Engagement*

### **Objectives:**

1. Inspire youth to learn about energy concepts.
2. Increase youths' awareness of utility funding agencies' goals and initiatives.
3. Provide youth energy-related knowledge and life skills training.
4. Facilitate youth participation in energy, STEM, and career-based experiences.
5. Empower youths' application of acquired knowledge and skills into their school communities and at home.
6. Increase youth's awareness of energy career opportunities.

### **Strategies:**

- Develop, deliver, and support direct youth engagement programs which enhance learning priorities for youth in participating utility service territories.
  - Minimum of 4 school and/or community events promoting energy education to youth and families.
  - Minimum of 12 schools participating in youth energy challenges, including, but not limited to, KidWind Challenge, Renew Our Schools energy competition, and WPS Solar Olympics.
  - Minimum of 4 student green teams supported with coaching, leadership development, and funding opportunities which advance clean energy solutions in school buildings and districts.
  - Co-facilitate the annual Wisconsin KidWind Challenge.
  - Co-facilitate the WPS Solar Olympics.
- Provide at least 2 energy career exploration opportunities for youth through career expos.

### **Metrics of Success:**

- Number of youth engaged
- Number of educators supported
- List of participating schools/districts
- Number of programs delivered
- Number of students reached indirectly through integration of curriculum and resources (estimated at 60 students per educator supported)

### **Evaluation:**

- Assess and implement changes based on feedback from participating educators and youth.

## *Lessons, Activities & Teaching Tools*

### **Objectives:**

1. Provide energy education lessons, activities, teaching tools for educators and youth.
2. Convey important Wisconsin energy concepts identified within conceptual frameworks, academic standards, and energy literacy principles.
3. Reflect current energy and utility industry and K-12 educational system trends.
4. Continue to improve accessibility of activities and lessons through digitization and integration of equity using NAAEE guidelines for excellence in education materials, climate change themes, and clean energy careers.

### **Strategies:**

- Develop, distribute, and evaluate lessons and activities and other teaching tools which support subject matter and teaching method priorities for educators, schools, and school districts in participating utility service territories.
  - Curate selected resources and standards-based activities or lessons to complement professional development offerings.
  - Evaluate need for new and/or revised activities or lessons materials.
  - Develop and integrate multi-media resources, including videos related to clean energy careers, teaching climate change, exploring energy outdoors, and solar dashboard technology.
  - Enhance connections to equity, energy careers, and climate change.
  - Increase accessibility of and improve ability to track use of digital assets and resources.
- Support maintenance and distribution of energy-related kits as part of the Wisconsin Center for Environmental Education Resource Lending Library and host sites.
  - Offer minimum 8 different kits, including revised Energy Concepts Kit, Energy Audit Kit, Take-home Energy Audit Kit, Hand-crank Generator, Pedal Power Energy Bike, Sun Oven, Wind Kit, and Solar Tilt Kit.
- Support partner resource development and distribution efforts to increase energy career awareness and career-based learning experiences for K-12 youth and their educators.

### **Metrics of Success:**

- Number of educators directly supported
- Number of times lessons accessed, as available
- List of schools/districts using KEEP kits
- Number of students reached through classroom integration of curriculum and resources (when unreported estimated at 60 students per educator supported)

### **Evaluation:**

- Assess and implement changes based on results of program evaluation measures.
  - Administer feedback survey to borrowers of KEEP kits.
  - Conduct a post-professional development annual survey of all participants and prepare summary report (available upon request)

## *Networking & Communications*

### **Objectives:**

1. Serve in a leadership role representing KEEP and funding agencies to increase capacity for energy education statewide.
2. Connect educators, energy professionals, and other partners, organizations, and agencies with one another and KEEP increasing effectiveness for energy education, workforce development, and clean energy solutions through expanded partnerships.
3. Leverage energy and educator professional networks to provide relevant resources and experiences for educators, youth, administrators, and facility personnel.
4. Provide high quality communication and marketing efforts to attract and retain relationships with educators and stakeholders to increase program awareness and statewide outreach.

### **Strategies:**

- Facilitate minimum 3 networking opportunities, including at partner conferences and events.
- Offer a minimum of 4 presentations and/or exhibits at professional conferences, events, and meetings.
- Publish minimum 7 digital newsletters during academic year, as well as other relevant email marketing to subscriber list.
- Recognize and reward minimum 2 exemplary energy educators through coordination of the Energy Educator of the Year Award program.
- Stay connected with energy and education professionals and trends through participation and leadership roles in professional networks and associations.
- Maintain KEEP website and social media presence.
- Seek out and respond to requests for contribution to external publications reaching new and target audiences.

### **Metrics of Success:**

- Number of educators engaged
- Number of sessions delivered
- List of partners engaged
- Reach of digital newsletters (subscribers and open rate)
- List of published articles authored by KEEP
- Tracking website page views and social media reach, where possible

### **Evaluation:**

- Assess and implement changes based on feedback from participating educators and partners.

## Consultation & Support

### Objectives:

1. Build and maintain relationships with educators and administrators to support integration and implementation of energy education across disciplines and grade levels.
2. Assist schools and districts to grow a culture of sustainability related to energy-savings practices, goals, policies, and facilities.
3. Assist utility funding agencies and partners to increase capacity for energy and STEM career-based learning experiences for youth.
4. Work with utility funding agencies to understand and broaden awareness of their goals and initiatives through K-12 education and engagement strategies.

### Strategies:

- Respond to requests for assistance in all program areas, including, but not limited to requests from:
  - Educators, schools, and districts
  - Student green teams
  - Utility funding agencies and their key collaborators
  - Partners

### Metrics of Success:

- Number of energy educators supported
- List of schools/districts supported
- List of partners engaged

### Evaluation:

- Assess and implement changes based on results of program evaluation measures.
  - Administer feedback survey to key partners for evaluation of KEEP contributions towards partner energy education goals.
  - Conduct a post-professional development annual survey of all participants and prepare summary report (available upon request)
- Engage funding agencies in quarterly and annual meetings to assess program progress toward meeting program objectives.
- Provide half-year and annual reporting to funding agencies.

## **External Factors**

Notable external factors limiting the proposed deliverables:

- The ability to reliably trace the utility service territory for every participating educator and youth.
- The ability to quantify and gather identifying information from viewers accessing online curriculum and resources.
- Staffing challenges faced by school districts, which limits the ability of teachers to attend trainings because of the critical shortage of substitute teachers statewide.

## KEEP Staff January - December 2024

KEEP is coordinated by three KEEP-only staff, a part-time director, and support from four part-time staff with split positions in the Wisconsin Center for Environmental Education (WCEE) at UW-Stevens Point.

			
<p style="text-align: center;">Dr. Becca Franzen WCEE Director</p>	<p style="text-align: center;">Samara Hamzé Program Manager, (Full-time KEEP)</p>	<p style="text-align: center;">Wendy Stelzer Energy Educator (Full-time KEEP)</p>	<p style="text-align: center;">Heather Phelps WCEE Resource Specialist (75% KEEP)</p>
			
<p style="text-align: center;">Laureanna Raymond- Duvernell Energy Educator (80% KEEP)</p>	<p style="text-align: center;">Jamie Mollica WCEE Outreach Support + Administration (40% KEEP)</p>	<p style="text-align: center;">Matthew Brown WCEE Communications (50% KEEP)</p>	<p style="text-align: center;">Gina Smith WCEE Curriculum Specialist (50% KEEP)</p>
<p style="text-align: center;">In 2024 KEEP employed five UWSP students helping with a variety of projects:            Emma Chelberg: Website Development            Audrey Nagorsen: Graphic Design Internship    Riley Olbrantz: Video Production Internship            Joe Simmons, Jacob Tepsa, Logan Chelberg: Office Assistants</p>			

# Accomplishments for Calendar Year 2024

Reporting period January 1 – December 31, 2024

KEEP outreach and programs offered **124 programs** to educators from **271 unique schools**, directly engaging **888 educators in professional development trainings** and **4,227 youth through community, school, and conference events**. KEEP staff developed **18 lessons** and revised or updated **4 kits**. KEEP distributed **12 newsletters** to an audience of **5,345 readers**.

During the reporting period the Wisconsin Center for Environmental Education, of which KEEP is an anchor program, welcomed its **new director**, Dr. Becca Franzen.

## Highlights from the reporting period

### Professional Development & Training

KEEP staff presented **59 events** for professional development reaching **888 educators**.

- Offered **2 new trainings**:
  - **ACP Toolbox: HVAC**, 2 webinars that were attended by **22 educators**
  - **Flip a Switch: Using Phenomenon to Engage Learners in Energy**, attended by **11 educators**
- Interest for energy education workshops remains steady from faculty of teacher preparation programs across Wisconsin. KEEP provided **30 Energy Education for Pre-Service Educator** trainings for **539 pre-service teachers** (undergraduates pursuing teaching licenses) from **14 technical colleges and universities**.
- Continued partnership with Wisconsin KidWind to offer 4 KidWind workshops, reaching **35 teachers**. Many of these teachers will bring student teams to compete in the 2025 KidWind Challenge on March 1, 2025.
- Continued partnership with WPS SolarWise to assist with promotion and registration for workshop that reached **15 teachers**. Many of these teachers will bring student teams to compete in the 2025 WPS Solar Olympics on May 7, 2025.
- Offered **14 sessions** at **9 conferences** with **152 participants**.
- Provided one-on-one on-site training to **36 teachers** at **7 school sites** and supported an additional **6 teachers** at **4 school sites** through Renew Our Schools partner program.
- Offered **2 on-demand professional development courses** that meet DPI Environmental Education stipulation.

### Youth & Community Engagement

KEEP staff presented at **44 events** focused on youth and community engagement reaching **203 educators** and **4,124 students**.

- Renew Our Schools – **11 Wisconsin schools** competed in the Renew our Schools Energy Conservation Competition. KEEP staff, in partnership with Focus on Energy<sup>®</sup> advisors, visited each school that was new to the competition in 2024. The competition had a direct reach of **317 students**. This compares to 6 schools that competed in 2023.

- KEEP partnered again with CESA 12 to provide a virtual energy career exploration event that was attended by **50 classrooms**, reaching **1,394 elementary students**. Supplementary support for this event was provided by Xcel Energy.
- KEEP supported Energy Career exploration at **4 events** reaching **676 students**.
- Students across Wisconsin shared their ideas and received consultation and mentoring for strategies to reduce school carbon footprint. Ultimately, **9 student green teams comprised of 31 students** received \$5,220 to implement their energy-saving projects.
- KEEP provided logistical support and judging for three energy competitions: KidWind Challenge, WPS Solar Olympics, and Science Olympiad. KEEP staff interacted with **105 students** who were mentored by **14 educators**.
- KEEP staff co-hosted a KidWind mini challenge at an elementary school in La Crosse. The event engaged **58 adults** (mostly parents) and **96 students** in a fun competition to design wind turbine blades
- KEEP staff participated in **16** high-interest community events, reaching **1,485 students**.

### Curriculum & Resources

- KEEP has revamped the energy education kit which supports energy concepts education. The updated kit pairs with a new **9-lesson bundle**. The [Elementary Energy Explorations](#) Kit is designed to be used by teachers of 4<sup>th</sup> grade, when energy concepts are typically taught in Wisconsin schools. The kit has been requested 4 times in 2024. Teacher feedback includes:  
 “Students had fun! and made connections with things they were learning in class”  
 “Students loved discussing the differences in energy use between the flashlights, batteries, solar items, and the energy they and the chickens we have here all use. Great sample items included.”
- KEEP data reveal the **most used kits** are Energy Audit Kit (n=14), Solar Tilt Kit (n=14), and Pedal Power (n=11). Among hosts sites for KEEP kits, the Energy Audit Kit has frequent use (n=9). Knowing this, and that the tools in the Energy Audit Kit are also used by schools competing in Renew Our Schools energy conservation competition, KEEP curriculum specialist undertook creating a comprehensive suite of lessons that guide students through a lens of inquiry to explore the tools of the kit. The lessons challenge students to explain the phenomenon, *What energy actions can I take at school, at home, and in my community to create a more sustainable future?* The Energy Audit Kit now has **6 new lessons**.
- Because of strong demand for the **Solar Tilt Kit**, KEEP now has developed a second kit for educators to check out. Both kits see steady demand.
- KEEP staff also developed a new kit, **Solar Load Kit**, and **3 new lessons** that use resources in the new kit to explore renewable energy and electric circuits.
- KEEP kits continue to have strong demand. **74 KEEP energy education kits** were used in classrooms or non-formal education centers. Kits reached **576 educators** and **7,210 students**; this reflects an 85% increase over this time last year, following a 70% increase in kit usage in 2023! With reorganization of WCEE staff with one person dedicated to each curriculum development and kit development and management, KEEP staff recognize that Kits are now a focal resource for all of our outreach. In addition to lending energy kits that are maintained and managed by KEEP, partner organizations around Wisconsin lent **21 kits** reaching **539 educators** and **2,049 students**.
- KEEP staff continue to promote the [Clean Energy Careers Slipstream-KEEP video series](#). For each revised KEEP lesson, an energy career is highlighted and, when possible, one of the videos of this series is a suggested resource for teachers to extend their students’ understanding of energy careers. These have had **6,796 cumulative views**, with Solar Energy Careers and Electric Vehicles videos receiving 44% of total views. Videos were posted between April 2021 and September 2022.

### Networking & Communications

- KEEP published **12 newsletters** that were sent to **5,345 subscribers**. On average, 42.3% of recipients opened the newsletters and newsletters had an average 1.6% click rate.
- With the **KEEP website** migration complete, KEEP staff have worked on fine-tuning some pages on the website. The website now serves not only as KEEP's out-facing tool for educators to access lessons, kits, and training, but it is also the tool used *by* KEEP staff when conducting trainings to demonstrate to educators how to best access KEEP resources. This has significantly streamlined KEEP staff workflow.
- KEEP staff continue to be actively engaged in the Wisconsin Energy Workforce Consortium, providing consultation and support for Mobile Learning Lab (MLLS) at K-12 energy career events. KEEP staff have assisted at **3 events** where the MLL was featured and used the MLL for a teacher training that was held at WPPI Energy in August 2024. WEWC received national recognition from the Center for Energy Workforce Development as recipient of the Impact Award. KEEP nominated WEWC for the award.
- Wisconsin's statewide and regional education associations created opportunities to engage with formal educators. KEEP interacted with **98 educators** at **7 conferences**, and **43 students** at student-facing conferences, including energy education resources tables or presentations at the following conferences
  - Wisconsin Association of Schools Boards (WASB)
  - Wisconsin Technical Education Association (WTEA)
  - Wisconsin Society of Science Teachers (WSST)
  - Madison Green Schools Conference
  - Green Schools Consortium of Milwaukee Conference
  - Wisconsin Association of Environmental Educators (WAE)
- KEEP staff directly reached educators and students through resources tables and student events at the following events
  - Renewable Energy Summit
  - KidWind Challenge
  - Couillard SolStock Festival
  - MREA Energy Fair
- KEEP staff presented information about KEEP kits to **5 UWSP Natural Resources classes** and 1 on-campus sustainability fair.
- Two schools (Hawthorne Elementary and Milwaukee Parkside SOAR; both in Milwaukee) and one school district (Northland Pines) were awarded **US Department of Education Green Ribbon Award**. In partnership with Green & Healthy Schools Wisconsin KEEP is the provider which supports building energy efficiency and energy education for Wisconsin schools seeking this national-level recognition.

### Consultation & Support

- During 2024 KEEP staff recorded **103 consultations**. Some of the partner organizations with who KEEP has consulted include:
  - ATC
  - CESA's 1, 3, 5, 9, 10, 12
  - Children's Health Alliance of Wisconsin
  - CLEAN network
  - Deerfield Community Center
  - Dunn County Historical Society

EPA – Region 5  
Forward Together Wisconsin  
Generation 180  
Heckrodt Nature Center  
Invenergy  
MeterHero  
Menominee Indian Tribe, Renewable Energies Department  
Miron Construction  
MSOE  
Reflo  
RENEW Wisconsin  
Slipstream  
Twin Oaks Environmental Center  
UWSP Center for Land Use Education (CLUE)  
Wisconsin Academy  
Wisconsin DNR  
Wisconsin Sustainable Schools Coalition  
Wisconsin Technical College System campuses

- KEEP’s consultations served educators in **25 public schools, 4 school districts** and several private schools.

## Outreach Impact Data

Reporting period January 1 – December 31, 2024

By Program Area	Educators	Youth	Total Reach	Programs, Events, or Kits
<b>TOTAL</b>	2015	11,437	13,452	124
Professional Development & Training	888	-	888	59
Youth & Community Engagement <sup>^</sup>	203	4,124	4,073	44
Networking & Communications <sup>^^</sup>	348	103	451	21
KEEP Kits Checked out by Educators & other Orgs <sup>*</sup>	576	7,210	7,786	74
Curriculum & Resources	9 new Elementary Energy Education lessons + 3 new Solar Loads lessons + 6 new Building Energy Detectives lessons 4 new or updated KEEP Energy Kits			
Newsletter	12 newsletters were distributed to an average 5,345 readers with a 42.3% open rate			
Consultation & Support	103 consultations supporting general technical assistance and KEEP focus areas: energy efficiency, renewable energy, energy careers, & climate change education			
Schools or Colleges	KEEP outreach programming reached educators from 257 unique public or private K-12 schools and 14 colleges			

\*These numbers are self-reported to KEEP by the educators requesting the kits.

<sup>^</sup> One virtual career event was attended by 50 classrooms. Utility data collected only for Youth.

<sup>^^</sup> An additional **614 interactions with non-educators** at events are not included in this total

By Funding Agency	CY2024 GOAL			CY2024 YEAR END		
	Educators	Youth	Total	Educators	Youth	Total
TOTAL	407	2041	2448	2015	11437	13452
Alliant Energy	73	367	440	229	2959	3188
Madison Gas and Electric	24	123	147	120	901	1021
We Energies	171	857	1028	418	1518	1936
WPPI Energy	29	143	172	123	387	510
WPS -Wisconsin Public Service	69	347	416	718	3681	4399
Xcel Energy	41	204	245	183	1166	1349
Unspecified**	-	-	-	224	825	1049

\*\* The ability to reliably trace the utility service territory of all educators and youth participating in events is outside of KEEP's control.

## Workshop evaluations for Fiscal Year 2024

The following data are based on KEEP workshop evaluations during Fiscal Year 2024 (July 1, 2023 – June 30, 2024)

# Professional Development Offerings Evaluated	# of Evaluation Responses	# of Participants	Response Rate
39	*429	667	64.3%

*\*KEEP's surveys are anonymous. It is not possible to know if participants submitted multiple times for the same event.*

**Overall KEEP workshops are well-received and valuable to teachers who respond to workshop surveys.**

**92%** agree or strongly agree: The training was a valuable and useful experience for my personal professional development.

**93%** rated the professional development as A or B.

**94%** agree or strongly agree: My personal knowledge about this topic increased.

**96%** agree or strongly agree: My personal knowledge about how to teach about this topic increased.

**97%** would recommend the professional development opportunity to others.

Teacher reflections:

*I appreciated all the resources made available to us. I got a lot of ideas for this upcoming school year.*

*This whole day was amazing, and I feel so hopeful. I would love to be involved more, and I am so grateful to learn from you and be here.*

*This PD gave me a greater understanding of the variables that impact building energy costs. This information will enable me to be knowledgeable about proposing the installation of solar panels on our school and the potential of decreasing energy costs and CO2 emissions.*

*I had never really thought about how I would teach energy education, and now I have some good ideas on how to make my lessons engaging.*

*I'm in more informal education and have the most direct impact with kids during youth day camp over the summer. This is awesome and gives me so many new ideas about making this tangible (and fun!) for kiddos of all ages. Thank you!*

*Learning about wattage and how energy is created [generated] and used was something I had never thought about.*

*Receiving the materials is incredibly easy to do, and lesson plans are pre-made that are able to be used.*

*There has been provided guidance that was greatly appreciated for the future. This lesson was really great! We were hands on the whole time and we learned about some energy topic that I did not know much about.*

*This was super helpful! I already have ideas of what I will use in my classroom this summer.*

KEEP has room for continuous improvement:

*Perhaps send out material/links to resources in advance, so that participants could have some familiarity with materials before workshop.*

*I don't think we were given enough support in communicating climate change to students of color or in low income situations. A lot of this work was white, wealth focused and I would love to have had more information that I could have actually used.*

*More time to explore the resources as well as more reflection opportunities.*

## Upcoming for 2025

### For Educators

- Professional Development
  - Energy Education for Pre-service Educators trainings
  - Elementary Energy Education training workshops in support of revised companion kit and lessons.
  - Discovering Energy in Nature trainings at nature centers
  - Customizing the Energy Career Pathway for Your School (webinar)
  - Three virtual on-demand courses:
    - Energy Education: Concepts & Practices
    - Subject to Climate (with WCEE, Levels 0 & 1 online training modules)
    - Development of a new on-demand course: *Renewable Energy in Wisconsin*. Description: Empower your classroom with this on-demand training, designed to equip educators with the knowledge and tools needed to teach students about current and future energy solutions in our backyards.
  - Climate Change Education through leadership of Wisconsin's cohort for Summer Institute for Climate Change Education
  - Renewable Energy Education workshops for both wind energy engineering and solar lessons using KEEP Solar Tilt Kit
  - Energy Efficiency Education delivered at schools participating in Renew Our Schools competition.
  
- Lessons and Kits
  - Reading Wisconsin Utility Bills – activity & lessons
  - Agrivoltaic lessons
  - Agrivoltaic Kit
  - Continue to assist nature centers with concept and development of energy education lessons and activities for school groups who visit their location. Prior centers include Buboltz Nature Preserve and Dunn County Historical Society.
  - Develop tracking of KEEP lessons that are shared on partner websites.
  
- Conferences
  - Slipstream B4 Conference
  - Wisconsin Technical Education Association (WTEA)
  - Wisconsin Society of Science Teachers (WSST)
  - Madison Green Schools Conference
  - Career Readiness Summit
  - Green & Healthy Schools Madison Conference
  - Green Schools Consortium of Milwaukee Conference

- Collaboration with educators to submit conference proposals to co-present at upcoming 2025 teacher conferences.
- Energy Educator of the Year celebration on May 3, 2025, at Forest Edge Elementary School.

#### For Youth

- Renew Our Schools energy competition, in partnership with Focus on Energy
- Recruitment and awards to Green Teams Mini-Grant recipients and continued mentorship of prior awardees
- Exhibiting and presenting at regional or local school and community events
- MeterHero residential energy-savings curriculum, in partnership with STEMhero

#### Energy Careers Programming

- Collaboration with SWTC, NWTC, and Madison College on US Dept of Energy grant that strives to recruit women and historically under-represented groups to training for careers in energy efficiency. KEEP will support through Energy Career Pathway consultations to school districts, high school career fairs, and sharing education opportunities with schools participating in Renew Our Schools.
- Collaboration with Slipstream, and sponsoring utilities to promote STEM-Energy Career Pathway at high school career fairs.
- Conference presentation at Career Readiness Summit to assist school districts with customization of the Energy Career Pathway for their districts.
- Continued financial and logistical support for Cool Careers Day, elementary energy career exploration.

#### For KEEP Staff

- Training with all WCEE staff to integrate NAAEE (North American Association for Environmental Education) standards into KEEP lessons and professional development.
- One KEEP staff attend CREATE Energy's Summer Institute to dive deeper into solar energy education.
- Focus on revision and alignment of KEEP's activities and lessons with key focus areas of energy concepts, energy conservation, and renewable energy education.
- Develop a process for setting equity outreach goals for Energy Kits. We will use the kits as a proxy for KEEP's digital resources that are more difficult to track. We will use 2024 as the baseline year for the number of kits borrowed and develop year-over-year improvement goals for Energy Kit reach, with a focus on increasing access to this KEEP resource by disadvantaged school communities.