



Connecticut

Secondary Research and Best Practices Findings: Education and Workforce Development

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Interim Project Share-Out: Identify Best Practices

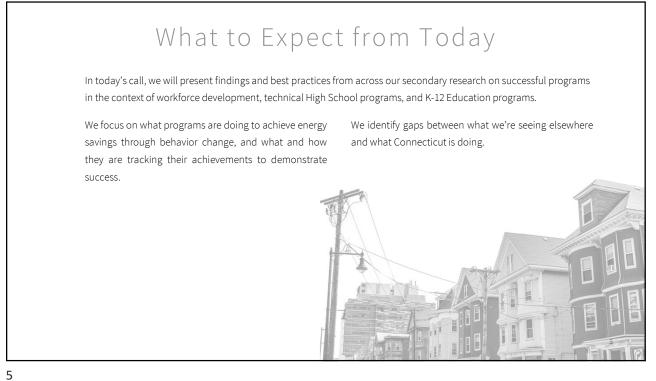
Activities:

- Outline what other regions/states are doing
- Identify any lessons learned
- Understand how programs are trying to change behaviors and identify activities that could lead to behavior change related to energy savings
- Assess whether these activities show energy savings
- Find out how other programs are trying to claim savings from education/training efforts

Findings:

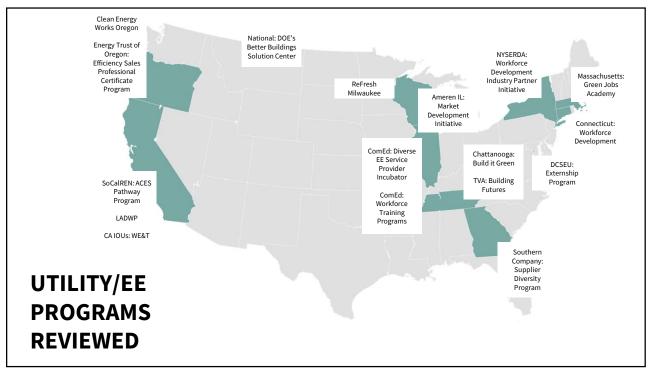
- Demonstrate how CT efforts align with these best practices and opportunities to improve alignment
- Provide guidance on how to structure programs to create behavior change

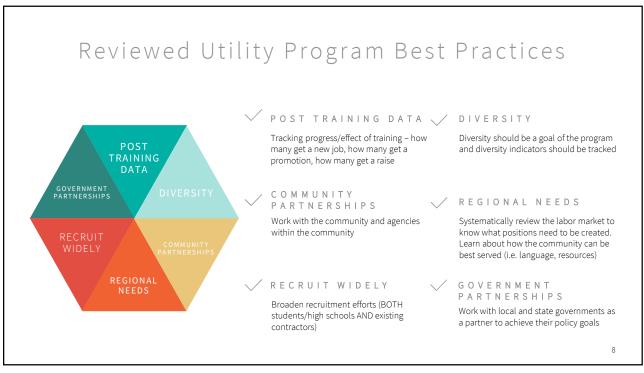




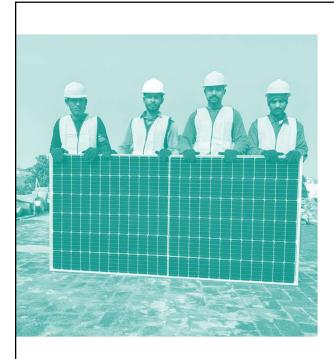








Gene	ral Workforc	e Developme	ent Best Prac	tices
LABOR MARKET	RECRUITMENT	TRAINING STRUCTURE	TRAINING CONTENT	TRACKING
Respond to actual labor market demand by working closely with industry Map regional labor markets by skills, jobs, and careers.	Remove income as a barrier to training by offering financing, loans, scholarships, or work- study/internships Describe outcomes of the program and the value it will bring to their careers (i.e. skills they will learn, possible financial benefits) Provide the public with a clear way of seeing the skills needed for different jobs and career pathways - how does the training align with those needs?	Offer trainings with flexible schedules or classroom options i.e. online or at night Use the state's existing workforce education and training infrastructure; align goals of training programs with state's Utilize post-training reinforcement of ideas	 Practically applicable Clear objectives that are intrinsically motivating to participants Goal of the training should be communicated to participants Offer trainings for technical, nontechnical skills, and that go beyond just one technology Align certified skills with employer-recognized skill standards 	Assesses success of training based on outcomes: job placement rates, improvements in wages and benefits, productivity Certify skills through testing



What we Found

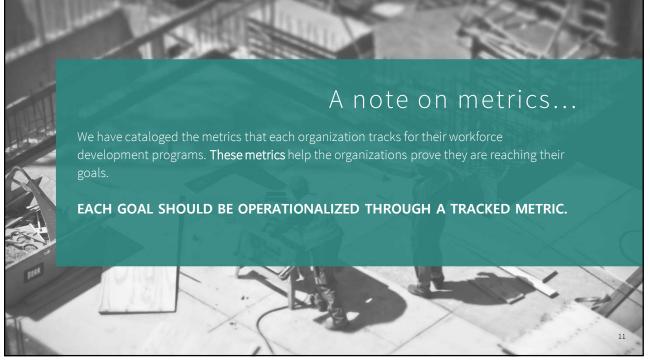
High-level Findings from Utility Programs

Utilities and State EE efforts range in the goals and metrics tracked for their workforce development programs.

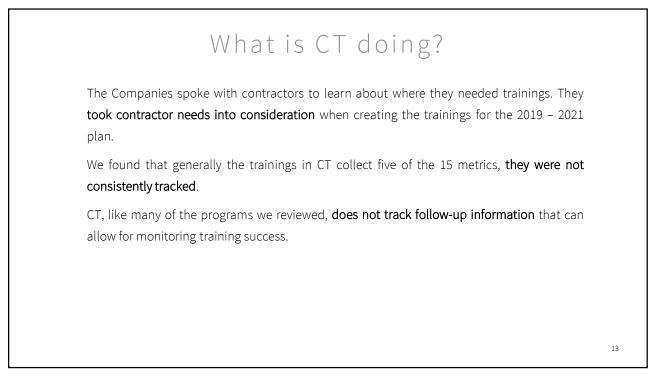
Two programs stood out

- NYSERDA's Workforce Development Industry Partner Initiative
- ComEd's Diverse EE Service Provider Incubator.

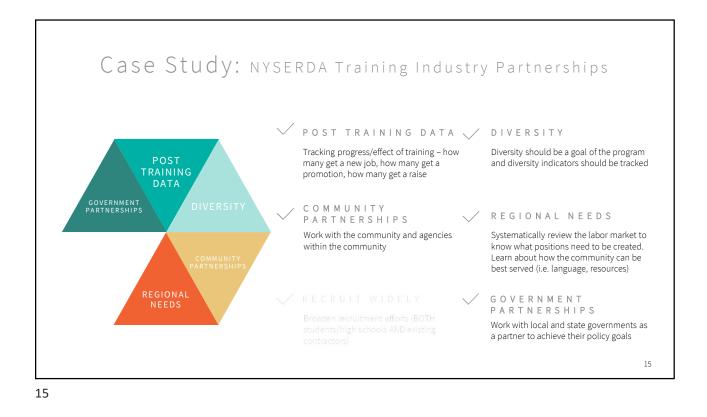
Both programs track the impact of training on energy use and build strong community ties. ComEd is exemplary in its diversity goals and achievements.

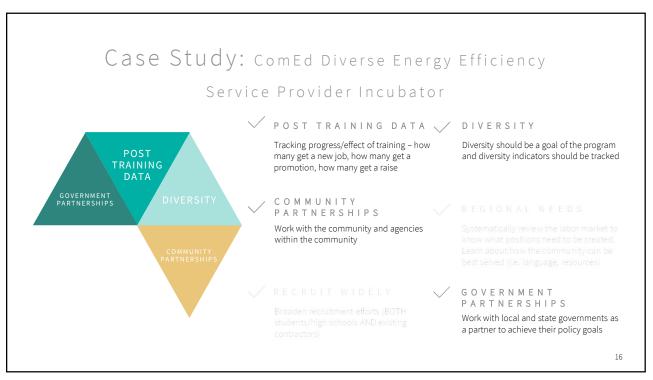


METRIC	UTILITIES WHO TRACK		NYSERDA	COMED			
Demographic information	11		Х	Х			
Completion of program*	10	Х	Х	Х			
Employment post training	10		Х	Х			
Enrolled participants*	9	Х		Х			
Community partnerships	7		Х	Х			
Career/position at start of training*	6	Х		Х			
Certifications*	5	Х	Х	Х			
DBE contracts	4			Х			
Impact of training on energy use	4		Х	Х			
Number of trainings/hours in training	4	Х					
Quality of Work	2						
Additional professional development	1						
Trainers trained	1		Х				
Participating small business revenue growth	1			Х			
Track energy savings	0						









Workforce Development Recommendations

RECOMMENDATION	IMPLEMENTATION CONSIDERATIONS
Develop metrics to accurately track progress towards goals	Tracking the effects of trainings could include measuring: Job placement rates Salary post training Jobs completed
	Eventually, create trackable metrics by goal
Codify tracking standards	Consistently track metrics across programs.
	Provide training partners or trainers with a standard data collection template.
Conduct study on energy efficiency labor market in Connecticut	 Program implementers may want to consider conducting annual "pulse" interviews with program actors/trade allies to learn Where are there holes in the labor market, Where there is labor demand, What the existing labor supply is, Which groups are underrepresented and what they need to participate, What barriers exist to participate in trainings.
Increase diversity of participants within trainings	Add goals to the program to start actively recruiting businesses and/or trainees who are underrepresented in the industry.

17

Best Practice Recommendations for Project Submittals (Workforce Development Example)

Utility Requires the following for each program that is proposed for possible funding:

- Clear statement of program goals and how goals are related to utility program goals.
- Look for: design, deliverables, and tracking related back to goals

Vendors should provide information on:

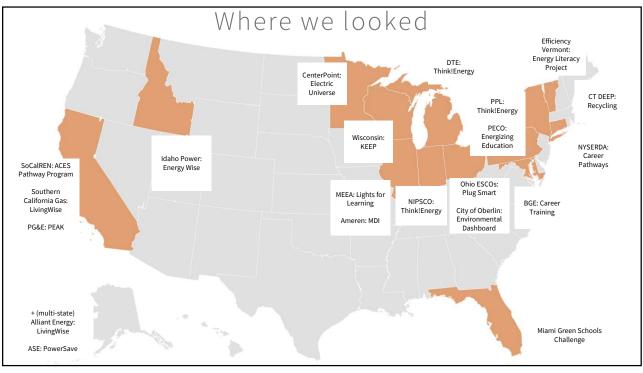
- Expected number of sessions
- Description of content
- Trainer qualifications

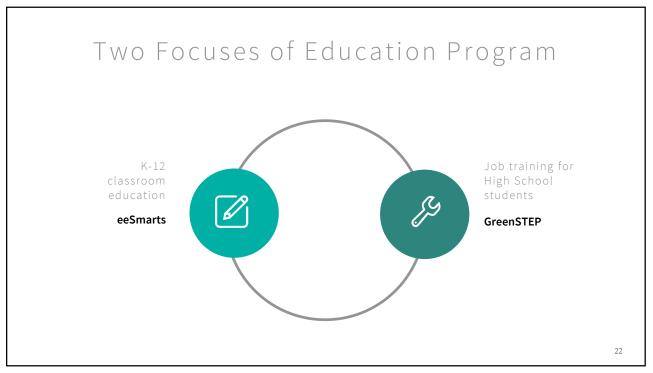
Evaluability:

- Specific tracking metrics that will be collected and how they relate to / reflect the training goals, and to the overarching goals.
- How vendor will track / gather data on each metric.
- How vendor will value metrics, assess success of the training, and report back to the utilities.
- Extra scoring point will be awarded for programs that use strategies such as:
- Feedback
- Community partnerships
- Ensure diverse recruitment practices
- Evidence of market knowledge









TECHNICAL HIGH SCHOOL TRAINING: GreenSTEP



What is CT doing?

Educate the Students: GreenSTEP



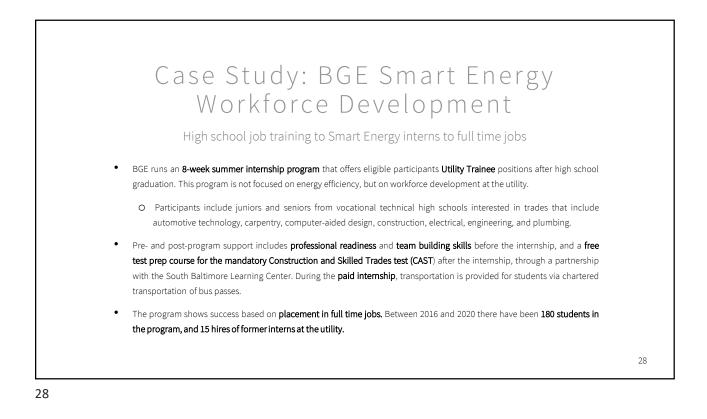
GreenSTEP:

- Offers 8 different workshops for 17 technical high schools, with programming for each grade in the 4 years of high school
- Administered by CREC since August 2019
- 2,800 students participated in at least one workshop in the 2019/2020 academic year
- Organizes a career fair in grade 11 with employer panels, industry representatives, and more resources
- Promotes participation in the CT Science and Engineering Fair in grade 10

25

High School Program Best Practices TEACHER AND STAFF CURRICULUM CONTENT CAREER SKILLS LABOR MARKET EVALUABILITY TRAINING Ensure the materials reflect Provide teacher training to Provide general Host job fairs and meet and Retain contact information the needs of the market professional skills, such as greets with potential ensure more consistent for graduates of the teamwork, interpersonal program and help students in the content delivery employers iob market communication, and time Provide career support to and work management Review the labor market by Track job placement and guide students before, Clearly communicate coordinating with current certification rates during and after trainings learning objectives Create an internship industry employers and program to provide on the update trainings as needed Ensure objectives are job training motivating to students Invest in the diversity of the Emphasize how students via targeted Focus on hands-on marketable certifications efforts to reach distressed can strengthen academic communities education to provide practical experience and job applications Align certifications exams with employer-recognized skill standards

			Recommendations	
Low barrier o implement	Increase program impact	Improve evaluability	What could CT programs start to do?	
	•		1. When safely possible, prioritize in-person learning for hands-on field training , to ensure that students learn practical and relevant skills that are applicable in the workforce.	
•		•	2. Ramp up data tracking standards for future evaluations and program improvement opportunities. Focus on certification pass/fail rates and post-high school contact information	
	•	•	3. Partner on a job placement or internship program to incentivize high school upper classmen to continue with their training and be able to quantify jobs created directly because of the program. Pair skills training with teamwork, problem-solving, and interpersonal skills training for career readiness	
		•	4. Refine the diversity and inclusion goal of reaching distressed communities and build out a program target to show measurable impact to these students and teachers	
				27



Best Practice Recommendations for Project Submittals (Technical High School Example)

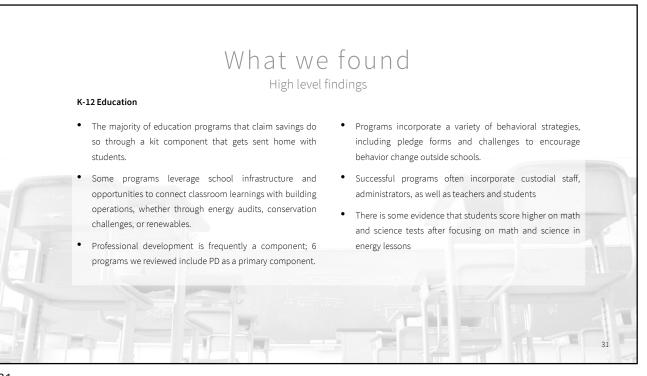
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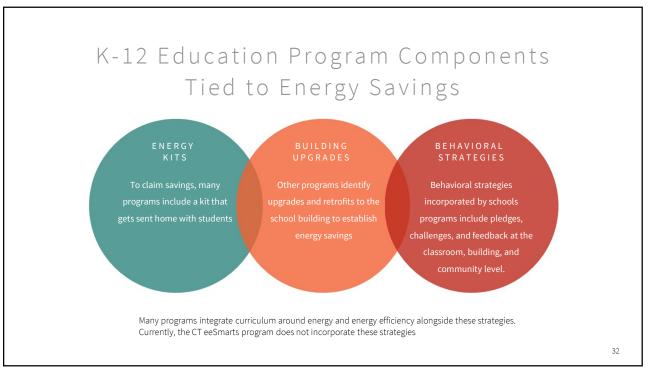
- Clear statement of program goals and how these goals relate to utility program goals.
- Look for: design, deliverables, and tracking related back to goals
- Vendors should provide information on:
- Expected number of graduates
- Description of content
- Trainer qualifications

Evaluability:

- Specific tracking metrics that will be collected and how they relate to / reflect the training goals, and to the overarching goals.
- How vendor will track / gather data on each metric.
- How vendor will value metrics, assess success of the training, and report back to the utilities.
- Extra scoring point will be awarded for programs that use strategies such as:
- Champion at the school or school district
- Connections with future employers (job fairs; internships; etc.)
- Evidence of market knowledge
- Linkage of training to certifications or needed skills in the market







Behavior Change Strategies in Schools Programs

Building-level:

- School/classroom challenges
- Teacher/Student pledges
- Energy feedback at classroom or building level
- Awards/honors

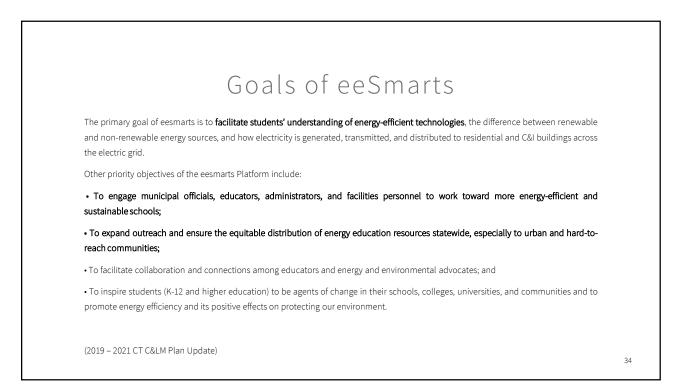
• Pledges (energy conservation)

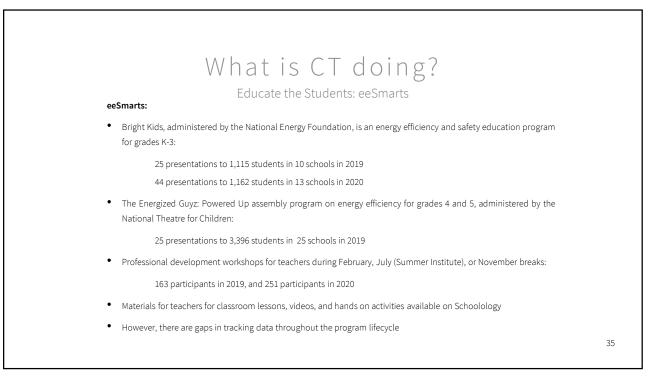
School-to-home:

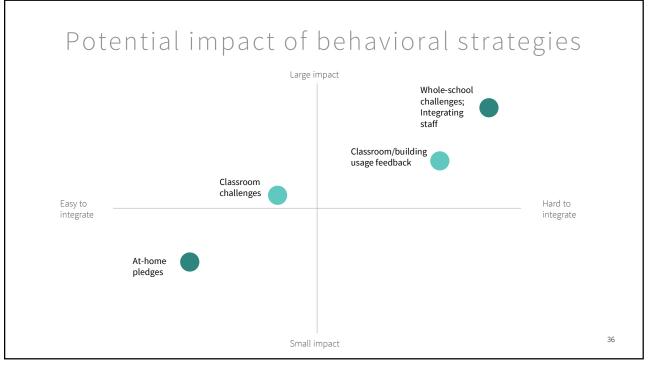
- n) Challenges
 - -----
 - Pledges

Community:

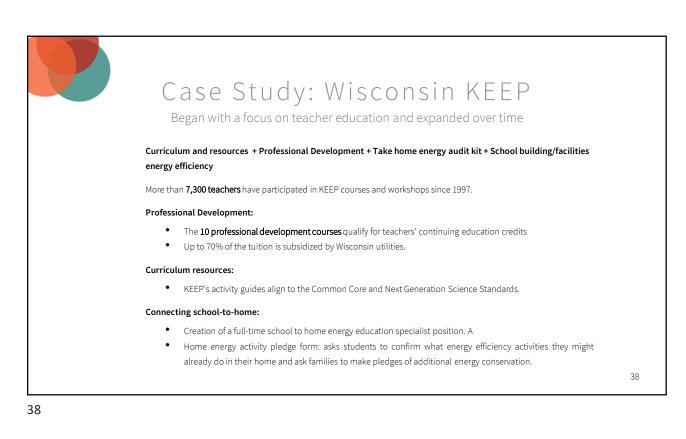
Awards/honors

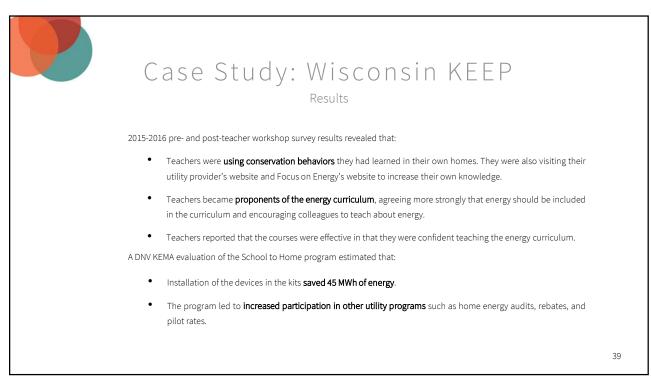


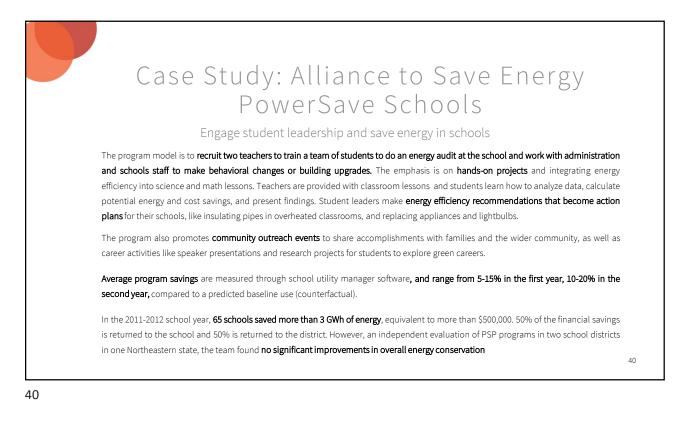


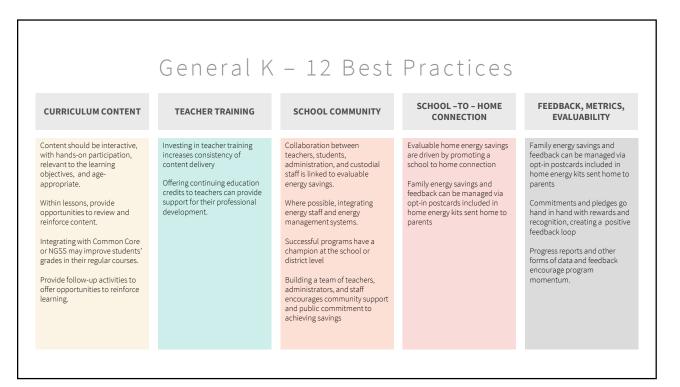














Utility Requires the following for each program that is proposed for possible funding:

- Clear statement of program goals and how these goals related to utility program goals.
- Look for: design, deliverables, and tracking related back to goals
- Vendors should provide information on:
- Expected curriculum content including lesson materials
- Approach to reaching hard to reach schools and communities
- Integration of the entire school staff, including administrators, teachers, custodial staff, and others.

Evaluability:

- Specific tracking metrics that will be collected and how they relate to / reflect the training goals, and to the overarching goals.
- How vendor will track / gather data on each metric.
- How vendor will value metrics, assess success of the training, and report back to the utilities.
- Extra scoring point will be awarded for programs that use strategies such as:
- Feedback
- Champion at the school or school district
- At-home challenges to extend learning beyond the school
- Linkages with common core

Questions?

WE'VE GOT ANSWERS

