



NEED ENERGY WORKSHOP 2009

EVALUATION REPORT

Prepared with 6 Months of Data – June 2009*

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The mission of the National Energy Education Development Project is to promote an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.

* In order to assess Facilitator Performance, NEED altered its core evaluation in August 2009. The results of these changes will be delivered in a report in Fall 2010.

Introduction

The NEED Project has a twenty-nine year history designing and delivering comprehensive, objective, energy education materials and training to teachers and students nationwide. In an effort to continually make improvements to curriculum and training efforts, NEED evaluates all training programs.

Throughout the school year, NEED delivers about 700 workshops and inservices. For the purpose of this analysis, a selection of workshop evaluations were collected, aggregated, and analyzed to provide NEED the data necessary to make adjustments to workshop processes and training delivery.

This report describes an evaluation of workshops conducted during a six-month period from January to June 2009.

Overview of Training Function and Goals

Teachers continue to report that they do not receive adequate energy instruction in their college and university courses, yet state and national standards have significant sections devoted to the science of energy and to the energy resources used to provide electricity, transportation, and products.

Working with education and energy advisors, NEED assembles professional development opportunities for teachers that not only educate, but also energize and excite. Teachers report leaving the workshops and conferences ready to take on the world and to teach science and energy in a more exciting way.

NEED removes the fear of teaching energy and takes extra care to provide primary and elementary level teachers with age appropriate materials for use in the classroom without diluting the content delivered in one-day or five-day conferences.

Overview of Training Function and Goals

The goals of NEED's professional development opportunities are:

1. To educate teachers about energy topics and issues
2. To familiarize teachers with NEED curriculum materials and motivate and empower them to integrate energy education into their curricula
3. To excite teachers about the important role they play in the helping to make the energy conscious and educated society.

Evaluation Data

- “ One thousand, six hundred and ninety-eight (1698) workshop evaluations were analyzed from 65 workshop locations covering 25 States for this report.
- “ For 80% of the respondents, this was their first NEED workshop.
- “ Of the respondents, 37% teach elementary (K-5) grade levels, 33% middle (6-8) grade levels, 26% secondary (9-12) grade levels, and 4% Other.
- “ 54% of the workshop participants were science teachers, 42% taught all subjects, and 4% taught other subjects.

Workshop Satisfaction

- “ Respondents were very satisfied with the workshop overall, with 92% giving 6 or 7 ratings on a seven-point satisfaction scale.
- “ Ninety-nine percent (99.7%) of the respondents recommend the workshop to other teachers, because the workshop is appropriate to classroom teaching and learning and the materials and activities are standards aligned and high quality.
- “ 83% of the respondents gave an excellent rating to the pre-workshop communication process. This is a much higher score than in previous years.
- “ Respondents rated the presenters knowledge, skills and organization of the workshop very high (96%, 94%, 95% respectively).

Post Workshop Classroom Activities

- “ Ninety-seven percent (97%) of the respondents said the workshop encouraged themselves to learn more about energy.
- “ Eighty percent (80%) are ~~very~~ very likely+ to use the workshop activities in their classrooms.
- “ Ninety-six percent (96%) indicated that they could comfortably deliver NEED materials to their classrooms.
- “ The respondents said they would reach over 188,831 students during the school year using workshop activities and materials.

DETAILED RESULTS

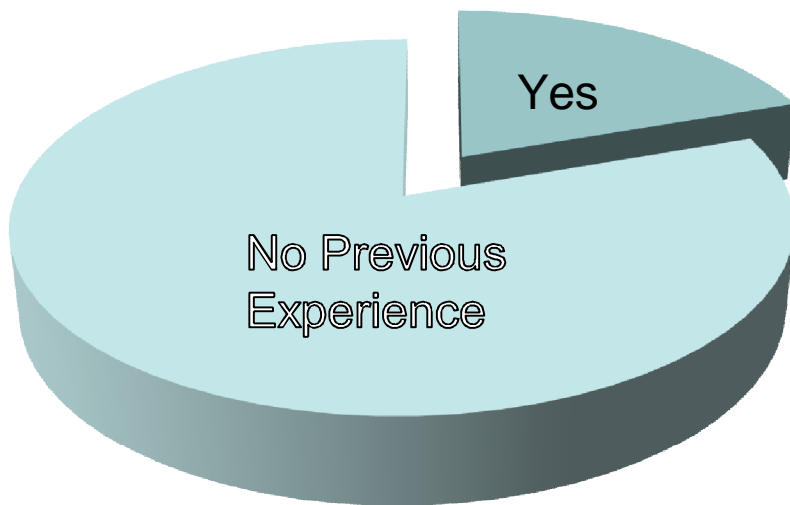
1698 Evaluations Analyzed

Previous Experience with NEED and Grade Level Representation

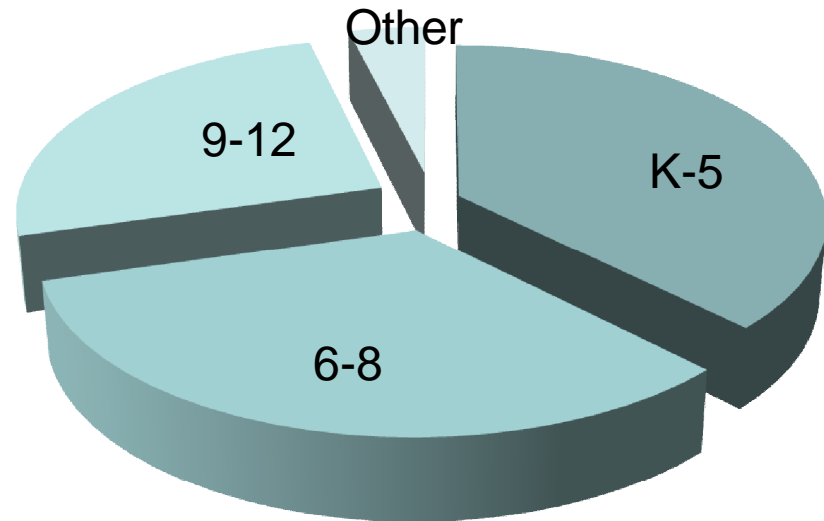
“ Over 80% of the respondents were new to NEED.

“ Over 37% of respondents are elementary teachers, 33% respondents are 6-8 teachers and 26% are 9-12 teachers

Previous NEED Experience



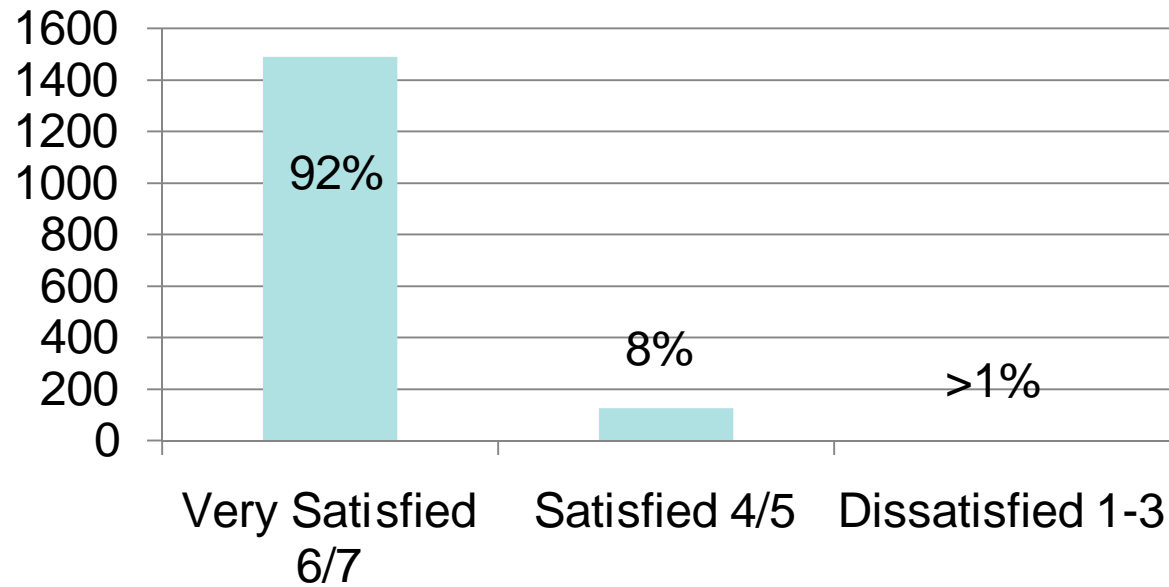
Grade Level



Workshop Satisfaction

Respondents were very satisfied. 92% gave the workshop the highest rating.

Overall Satisfaction With The Workshop



WHAT COULD WE HAVE DONE TO GET A HIGHER RATING?

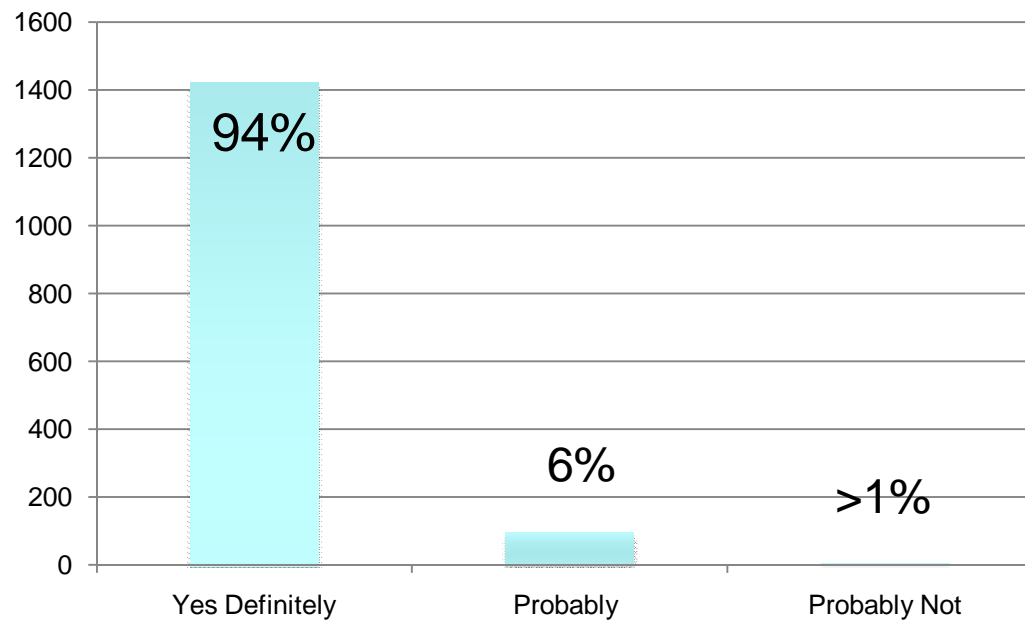
- “ Slower or faster pace
- “ Offered separate grade-level. workshops/sessions
- “ More hand-on time and activities



Recommend the workshop to others

99.7% of respondents would recommend the workshop to their colleagues.

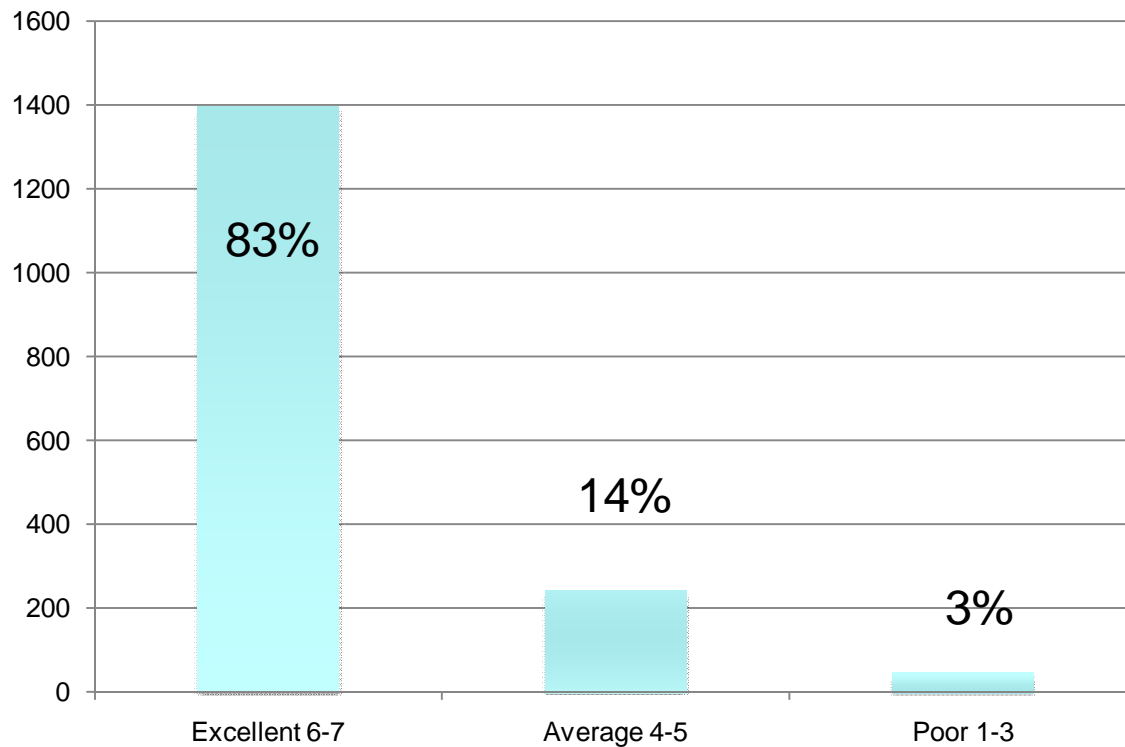
Would You Recommend This Workshop To Others?



Pre-workshop Communication

86% of the respondents gave the registration and communication process the highest rating.

Pre-workshop Communication



Facilitator Skills and Knowledge

The Facilitators Skills, Knowledge and Organization of the Workshop were rated very high.

Both workshop organization and the presenter knowledge received very high ratings.

Knowledge . 96% of respondents rated Presenter Knowledge a 6 or higher with 7 being highest.

Facilitation Skills . 94% of respondents rated Presenter Facilitation Skills a 6 or higher with 7 being highest.

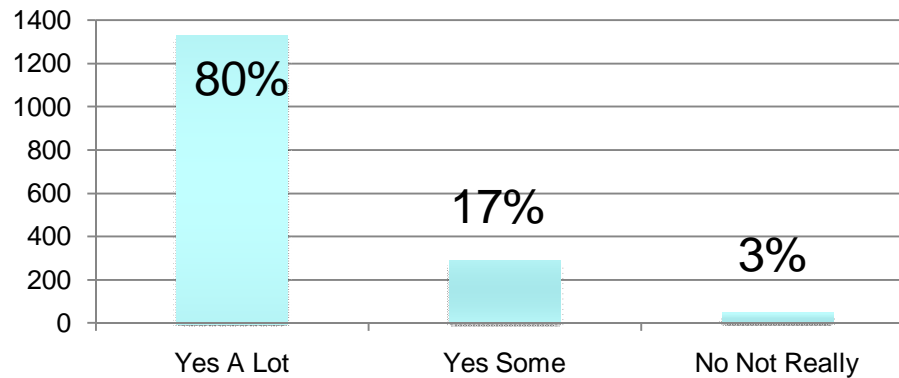
Organization . 95% of respondents rated Presenter Organization a 6 or higher with 7 being the highest.



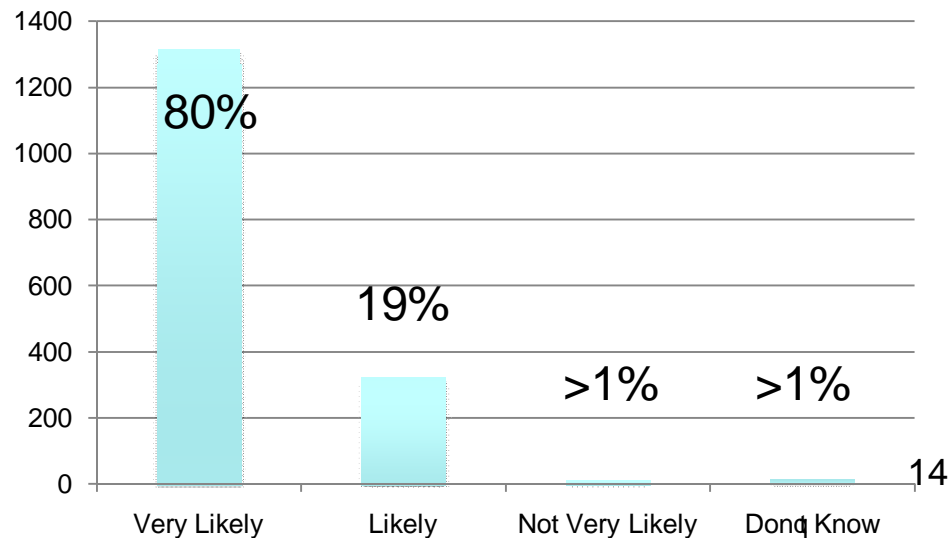
Outcome of Workshops

The workshop encourages respondents to learn more about energy.
Over 3/4 of respondents are very likely+ to use activities in the classroom.

Want To Learn More



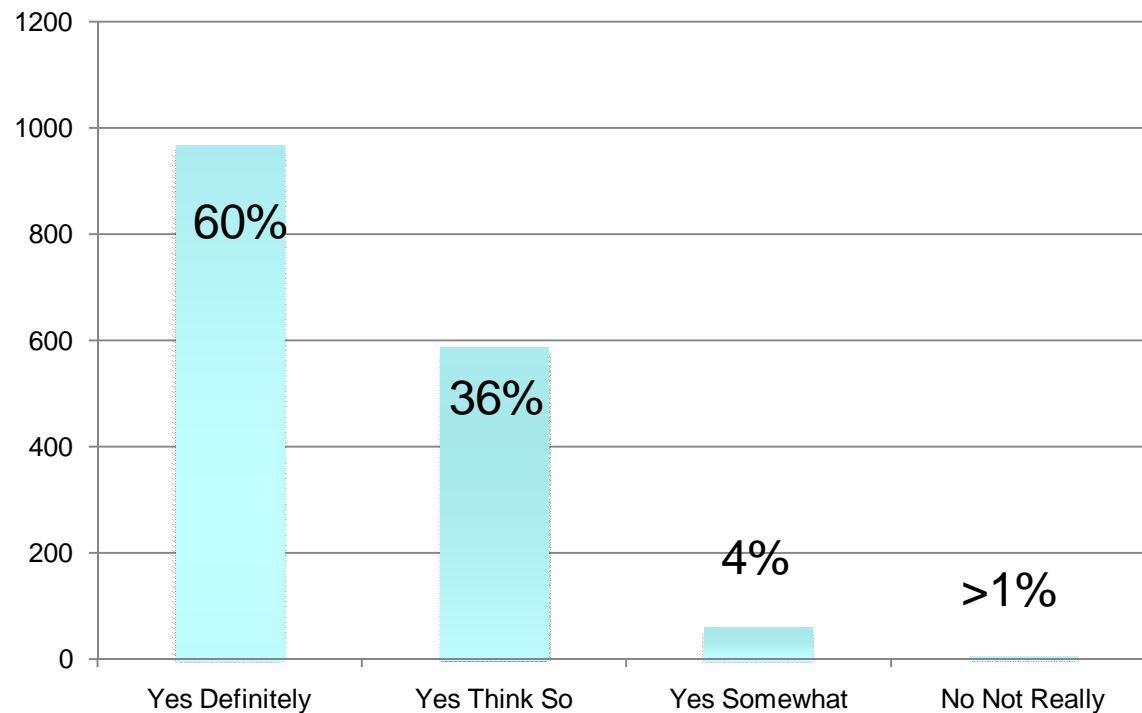
How Likely To Use Materials



Comfort with delivery of materials

Ninety-six (96%) of respondents said Yes definitely or Yes, I Think So+to their comfort level in delivering NEED materials and activities in their classrooms.

Comfort Level With Delivery Of Workshop Training And Materials



Conclusions and Recommendations

CONCLUSIONS and RECOMMENDATIONS

- “ Respondents reported less frustration with the registration process than in the past. This is a direct result of the *RegOnline* internet registration and notification process that began to be phased in during 2009. This program allows individuals to register online and sends out immediate email confirmation, agendas, driving directions, and parking information.

Conclusions and Recommendations

CONCLUSIONS and RECOMMENDATIONS

- “ Some respondents continue to request individual information, presentations and activities aimed specifically towards their interests, needs, and grade levels. To address this concern, facilitators should make sure that as they complete each workshop activity, they suggest alternate NEED activities appropriate for each grade level.
- “ Some respondents indicate that the workshop contains a large amount of information for them to process and apply to their teaching assignments. Facilitators can help these participants feel more comfortable with their new learning by providing time and encouraging them to think about how concepts and activities can be applied in their classrooms.

Conclusions and Recommendations

CONCLUSIONS and RECOMMENDATIONS

- “ While the vast majority of workshops are currently being delivered by NEED staff, the training plan must continue to evolve and strengthen as NEED moves toward reaching its 2030 goals. The secure Workshop Facilitator Website and newly implemented Workshop Communication Process are examples of the type of resources NEED must continue to provide its facilitators.

Conclusions and Recommendations

CONCLUSIONS and RECOMMENDATIONS

- “ Respondents report that NEED workshops provide high-quality training. NEED facilitators are knowledgeable, skilled and organized. The evaluation ratings are excellent and the comments are extremely positive.
- “ The function and goals of NEED teacher training are being met. The respondents report that they learned and are motivated to learn more about energy topics and issues, indicate a high level of comfort delivering the NEED materials in their classrooms, and state that they plan to integrate energy education into their curricula.