

2013 National PETE Annual Report



Chairman: Bill Nash, Barton County Community College

Executive Director: Kirk J. Laflin, National PETE

PETE ORGANIZATION

National PETE is a nonprofit, IRS section 501(c)(3) educational organization that operates under the day to day direction of a National Executive Director and is advised by the National PETE Board of Directors as well as the Executive Committee, covering each of the six regions. The National Board of Directors meets once a year and consists of representatives from all over the country. PETE is an Affiliated Council of the American Association of Community Colleges (AACC), which connects PETE to the leading national organization representing over 1200 of the nation's community and technical colleges. PETE holds a seat on AACC's Workforce Commission and meets annually with their Board of Directors and other Commissions and Councils.

PETE's central belief is that education is the key to long term environmental quality and economic stability. PETE is the framework which allows education to develop. From the student to the teacher to the environmental professional, PETE provides the resources and knowledge to establish sound environmental practices and programs.

PETE MISSION

To provide leadership in environmental, health, safety, and energy education and training through community and technical college (two year) partnerships with business, industry, government, and other educational providers.

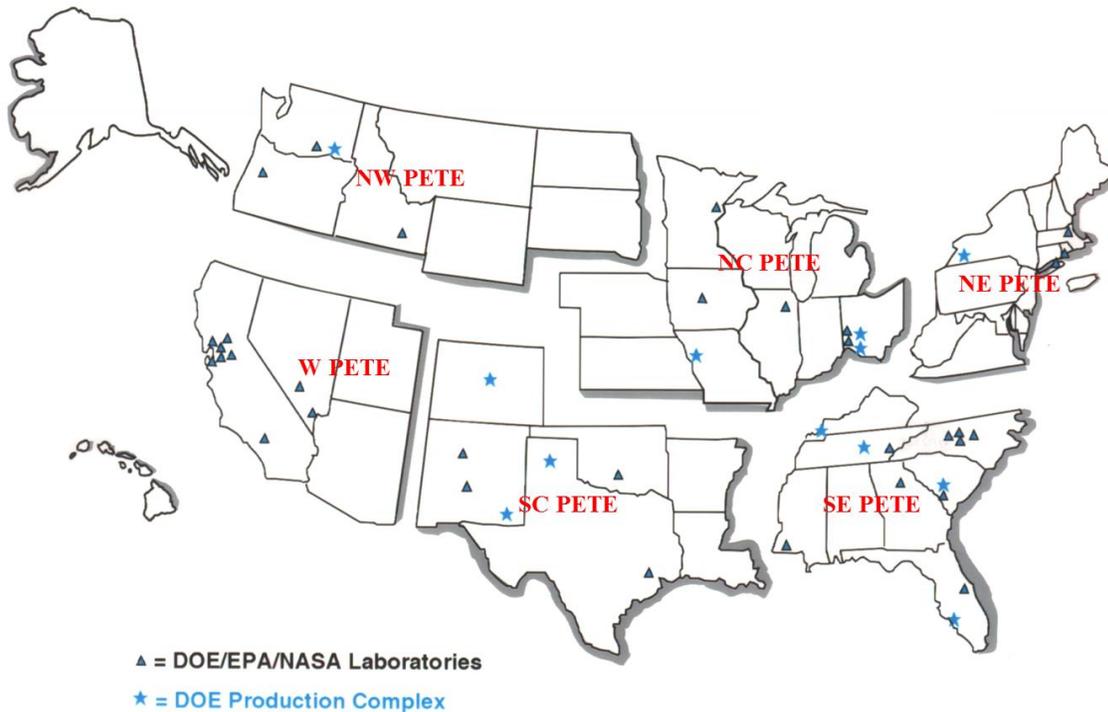
NATIONAL GOALS

- Support the development and implementation of quality education and training programs at community and technical colleges.
- Increase access by underrepresented populations to PETE supported programs.
- Facilitate and promote articulation among educational programs at the high school through postgraduate levels.
- Promote the integration of Science, Technology, Engineering, and Math (STEM) into program curricula.
- Support the use of sustainable practices and technologies in workforce and economic development and global competitiveness to meet the demand of a greening economy.
- Advocate global environmental stewardship and literacy through national and international programs and partnerships in education and training.

PETE PROGRAMMATIC FOCUS

- Contribute to workforce development through the establishment and presentation of curricula for training environmental, health, safety, and energy related technicians.
- Encourage more transfer students to pursue studies in environmental science, engineering, and management at four year institutions.
- Support environmental, health, safety, and energy workforce development.
- Promote pollution prevention (reduce the environmental footprint) and the use of advanced environmental technologies.
- Conduct special projects designed to enhance the participation of minorities and women in environmental fields.
- Assist foreign institutions in developing their own environmental education and training capabilities.

Six Regional PETE Programs



PETE NETWORK

Benefits of partnerships and collaborations made possible through the PETE Network include:

- Faculty to faculty, college to college, and college to business and industry communication.
- Development of a wide range of environmental, health, safety, energy (and related) curriculum and instructional resources.

- Numerous train the trainer and professional development activities for faculty, business and industry.
- Guidance to a host of educational institutions in developing programs.
- Development of Memorandums of Understanding (MOU's) with business, industry, and organizations on collaborative projects.
- Outreach to an international network of environmental professionals and educators.
- Successful completion of numerous environmental education and training grants, contracts, and agreements with federal, state, and regional governmental agencies, business and industry and other nonprofit organizations.

National PETE Celebrates its 20th Anniversary

National PETE is proud to announce that 2013 is the twentieth anniversary of the start of the PETE Organization. By way of recognizing many of PETE's success during this time, the National PETE Board of Directors approved a contract for Mr. Steve Fenton of Fenton & Associates (former Northwest PETE Director and long-time PETE supporter) to compose a document titled The History of PETE. This report was presented at the Annual PETE Board Meeting in January 2013 and distributed electronically to the network. The National PETE Board would like to thank Mr. Fenton, the PETE staff, and all of the many contributors and reviewers, not only for the compilation of the History Report, but more importantly recognizing all of the accomplishments that the PETE organization, PETE network, and PETE supporters accomplished over the past twenty years. We look forward to many more years to come!

The PETE History is available through the PETE Office.

2013 PETE HIGHLIGHTS

2013 PETE Sponsored & Co-Sponsored Training Opportunities

March 19-21, 2013

Best Practices in Environmental, Health, Safety & Security Training. Add to your tool box and share one of your best practices - held at Greenville Technical College, Greenville, SC. This conference was put together differently than past conferences in that PETE merged the conference content with the CCCHST Refresher content; the Refresher was not held on a separate day. This model was so well received by participants that PETE will use the new format for all conferences moving forward. The conference included an environmental tour of the BMW Automotive Facility. The PETE conference included presentations from local environmental professionals, special guest speakers, PETE Member Instructors and highlighted PETE projects. There were 40 attendees.

June 26-28, 2013

Best Practices in Environmental, Health, Safety & Security Training. Add to your tool box and share one of your best practices- held at ATEEC/EICC in Davenport, IA. The conference included an environmental tour of The John Deere Harvester Facility. The PETE conference included presentations from local environmental professionals, special guest speakers, PETE Member Instructors and highlighted PETE projects. There were 34 attendees.

July 30 – August 1, 2013

Best Practices in Environmental, Health, Safety & Security Training. Add to your tool box and share one of your best practices - held at Clover Park Technical College in Tacoma, WA. The conference included a walking tour of the on-campus Sciences Natural Resources Laboratory & Research Park at Flett Creek & Zero Energy House. The PETE conference included presentations from local environmental professionals, special guest speakers, PETE Member Instructors and highlighted PETE projects. There were 26 attendees.

Projects and Programs

The Advanced Technology Environmental and Energy Center (ATEEC)

The Eastern Iowa Community College District (EICCD) operates the Advanced Technology Environmental and Energy Center (ATEEC). ATEEC was established in 1994 as a National Science Foundation (NSF) Center of Excellence. Its mission is to advance environmental and energy technology education through curriculum development, professional development, and program improvement in the nation's community colleges and secondary schools. ATEEC's goals are to:

- Strengthen science, math, and technical curriculum and instructional materials supporting environmental and energy technology education;
- Strengthen the nation's environmental and energy technician programs by providing professional development opportunities for faculty of community colleges and high schools; and
- Strengthen advanced technology environmental and energy education by developing national reports on workforce needs to facilitate program improvement.

The Partnership for Environmental Technology Education (PETE) and ATEEC are longstanding strategic partners, leveraging the expertise and services of both organizations to support the nation's college network and faculty in environmental technology, health, safety, energy, and related areas. ATEEC provides PETE with a networking outreach tool by highlighting National PETE news through their quarterly publication, *ATEEC News* that is distributed to over 3,500 community and technical colleges and other interested parties across the country. ATEEC provides funding to PETE to support efforts in communication and outreach to the PETE college network. In addition, ATEEC supports PETE's Instructor Conferences, and provides articles for PETE news publications. ATEEC contracts with PETE to conduct professional development programs each year for instructors on environmental and energy topics. PETE provides input to ATEEC's annual work plan, and PETE's Executive Director serves ATEEC and NSF as the chairperson of ATEEC's National Visiting Committee.

PETE and ATEEC continue to work together on multiple proposals with various agencies for funding support of curriculum and professional development for PETE colleges. PETE is using ATEEC and EICCD facilities to offer its *GreatEST Institute*, a 10-day, hands-on OSHA Hazardous Materials Train-the-Trainer program.

For more information on ATEEC, visit their Web site at www.ateec.org.

PETE's Maine NonPoint Education for Municipal Officials (ME NEMO)

This past year Maine NEMO conducted 16 NEMO presentations to State of Maine communities, organizations and associations, attended by 465 people, on Best Management Practices for Non-Point Source Pollution and Low Impact Development. This initiative was funded by the Maine Department of

Environmental Protection, Maine State Planning Office/Department of Conservation and the Maine Center for Disease Control-Drinking Water Program.

Maine NEMO continued to serve as a leading source of information on Low Impact Development pollutant removal efficiencies and worked on an accredited program for sustainable landscaping. Maine NEMO also worked with several of the state's MS4 stormwater communities; Maine NEMO assisted in educating their stakeholders on stormwater management options.

Maine NEMO promoted the use of theoretical buildout, weighted matrices and public participation to judge environmental tradeoffs when planning for future development. The Suitability of Development Study, funded by the Maine State Planning Office/Department of Conservation (an EPA funded initiative), for the seven town Bangor region was completed with towns modeling buildout scenarios to estimate potential for preserving open space with conservation subdivisions, potential need for extension of water and sewer lines, and disconnecting impervious area using LID in Urban Impaired Watersheds. The comparison of changes to various indicators (such as wetland impacts, access to utilities, or new impervious area) for the different buildout scenarios (varying minimum lot size, required infiltration of stormwater, required open space protection) will enable towns to make better informed choices when choosing regulations to encourage desired change in development patterns. This work was supported by the Bangor Area Stormwater Workgroup and followed up on the Greenprinting Project done in the region by the Trust for Public Land.

Maine NEMO remained active in the Salmon Falls watershed, participating in the collaborative efforts with "Suck It Up and Soak It In: Land Use, Water Quality and LID" presentations for the Wilson Lake Association (Acton), Wakefield Planning Board, and the Moose Mountain Regional Greenways annual meeting with representatives from Acton, Wakefield, Brookfield, Farmington, Middleton, Milton, and New Durham.

This program concluded in February of 2013 and is no longer active due to lack of funding.

National Institute for Environmental Health Sciences Department of Energy Grant

National PETE, in partnership with the Hazardous Materials Training and Research Institute (HMTRI), located at Eastern Iowa Community Colleges, Davenport Iowa, runs the Community College Consortium for Health and Safety Training (CCCHST) to serve Department of Energy (DOE) environmental restoration and waste management sites across the United States. The intent of CCCHST-DOE is to provide convenient, consistent, and cost-effective NIEHS-approved worker training to DOE contractors, subcontractors and public officials serving DOE facilities. HMTRI has converted existing hazardous materials curriculum to an open-entry, open-exit format to be electronically delivered to students by CCCHST-DOE colleges. Member colleges complement electronic curriculum with required hands-on training and local instructor support for students.

The five-year goal of the project is to train a minimum 12,500 workers, technicians, and supervisors, through 75,000 contact hours of training, to protect themselves, their facilities, and their communities from exposure to hazardous materials encountered during hazardous waste site clean-up, in the transportation of hazardous materials, and in the response to releases of hazardous materials. The partnership serves the following DOE locations: BWXT Pantex, TX, Paducah Gaseous Diffusion, KY, Oak Ridge Operations, TN, Portsmouth Site, OH, and Savannah River Site, SC. The University of Tennessee,

Knoxville, TN, and Amarillo Community College, Amarillo, TX are sub-awardees delivering training at these sites.

II. Training Accomplishments:

Each year, 2,500 students will successfully complete 250 courses for a total 15,000 contact hours of training. Annually, an average 75 courses will be delivered online. During FY'13, CCCHST-DOE collectively delivered 158 courses to 2,692 students for a total 17,116 contact hours of instruction.

2012 training data follows:

- UT, Knoxville, TN at Oak Ridge, TN; Portsmouth, OH; and Paducah, KY: 30 courses, 275 workers, 2,248 contact hours
- Savannah River Site, SC: 68 courses, 1,580 workers, 5,164 contact hours
- Amarillo Community College at the Pantex Plant, Amarillo, TX: 58 courses, 809 workers, 9,256 contact hours

In addition to these numbers, 14 workers completed the 24-hour Moderate Risk HazWoper and 14 workers completed the 8-hour HazWoper Refresher on-line delivered by the University of Tennessee, generating 448 contact hours.

Over a five-year period, 2010-2015, a minimum 12,500 students will successfully complete 75,000 contact hours of hazardous materials training provided by CCCHST-DOE for contractors, subcontractors and public officials serving DOE facilities. Online, 375 students will be served. To date, CCCHST-DOE has completed 89 percent of its five-year training goal. Over the first 3-year period, 794 courses were provided for contractors, subcontractors and public officials serving DOE facilities, resulting in a head count of 11,948 workers and generating 67,504 contact hours. This represents approximately 89 percent of the project's five-year goal. Online, 164 students have been served--approximately 45 percent of the five-year goal.

PETE provides hazardous materials curriculum, developed by HMTRI and adapted and maintained by PETE. HMTRI provides students online access to curriculum. HMTRI provides consortium members with quality, up-to-date, technically accurate curriculum. The 40-hour HazWOPER course (24-hours are available online) was revised during FY'13. A Spanish translation of the 40-hour HazWOPER book and online course has been developed.

PETE provides CCCHST-DOE sites and students immediate technical assistance through cell phone access to master instructors and access to a website that links all sites, instructors and students. DOE sites and online students have immediate access to PETE instructors through instructor cell phones and the NationalPETE.org/CCCHST website. Rex Short, in charge of UT training, contacts Ron Snyder and Don Ransford, PETE lead trainers, on a regular basis.

PETE provides centralized record keeping and quality control for the consortium, submitting to NIEHS the number of students trained at CCCHST-DOE sites and their demographic data, conducting site audits, reviewing student evaluations, acting upon the guidance of the advisory committee, and mediating the delivery of training with other NIEHS-supported consortia. PETE records DOE training numbers in the NIEHS data management system; curriculum changes are forwarded to the NIEHS Clearinghouse; the Advisory Committee met in Hanford, WA, May 7, 2013.

PETE facilitates an external DOE technical advisory committee to provide overall technical policy guidance to program staff and administrators. The committee bases its guidance on the NIEHS Minimum Health and Safety Training Criteria. The FY '13 DOE advisory board meeting was held May 7 in Hanford, WA. Members Present: Gabe Bohnee, Bill Carter, Denny Dobbin (chair), and Alice Murphy. Members Attending by Phone: Don Elisburg. Members Absent: Nolan Curtis, Ruth Ruttenberg, and Dan Marsick. Staff Present: Kirk Laflin, Doug Feil, Pat Berntsen, Ron Snyder, Patti Thompson, Margaret Mellecker, Sandy Jefferson, Richard Butcher, Sheila Webster, and Rex Short. External Evaluator: Steve Fenton.

PETE conducts a program self-audit annually based on the NIEHS Minimum Health and Safety Training Criteria. PETE, HMTRI and CCCHST are in full compliance with the quality assurance sections of the NIEHS Minimum Criteria document including criteria related to the facility, training, support and supervisory staff, educational materials, trainer/trainee ratios, proficiency requirements, a 5:1 ratio for all hands-on activities, and other specifications.

PETE provides fiscal grants management services for the grant. PETE is in full compliance with NIEHS fiscal grants management reporting.

NIEHS Hazardous Material Worker Health and Safety Training (HWWT) Project

The goal of the Community College Consortium for Health and Safety Training (CCCHST) is to make National Institute for Environmental Health Science (NIEHS)-approved worker training nationally available through over 100 CCCHST partners, prepared through a Train-the-Trainer model program, to offer hazardous materials instruction (Hazwoper and related 29CFR 1910.120 training) in nearly all states of the nation. CCCHST instructors, prepared and supported by PETE and HMTRI, annually train a minimum 20,000 students, workers, and supervisors to protect themselves and their communities from exposure to hazardous materials encountered during hazardous waste site cleanup, Brownfields redevelopment, transportation of hazardous materials, and response to spills and releases of hazardous materials. CCCHST members collectively offer a minimum 200,000 contact hours of instruction each year.

CCCHST membership consists of community colleges partnered with business and industry, universities, and community-based organizations offering a consistent and quality response to the national training need for hazardous waste workers and emergency response personnel. From 1992 to 2013, CCCHST grew from five members to 133 training organizations with 197 trainers in 34 states and one U.S. territory. The number of CCCHST members, the number of courses delivered by members, and the number of students and workers enrolled in these courses have grown 1,000 percent over the past 21 years of NIEHS support — an indication of CCCHST's success and of the nation's continuing and growing demand for quality training for hazardous waste workers and emergency response personnel.

HMTRI has received NIEHS funding since 1992 to provide management, instructor training and certification, curriculum, textbooks, instructional aides, quality control, and evaluation for members of the CCCHST national consortium. PETE now provides administrative sponsorship for CCCHST, working closely with HMTRI, as it has since PETE's formation in 1993.

Accomplishments:

Specific aims are listed below for the five-year training grant and the past years; FY'13 achievements are documented in italic.

Over a five year period, 2010-2015, CCCHST will collectively enroll students, workers, and supervisors in a minimum 1,000,000 contact hours of hazardous materials training, providing 5,000 courses for 100,000 students delivered by over 150 organizations and 250 instructors serving nearly all states of the nation. *Well over 20% of the projected five-year number of contact hours, courses and students was achieved in FY'13. As of July 31, 2013, instructors from CCCHST organizations have delivered 2,877 classes for 44,612 workers providing 367,125 contact hours of training.*

CCCHST annually trains an average 20,000 workers and supervisors to protect themselves and their communities from exposure to hazardous materials encountered during hazardous waste site cleanup, Brownfields redevelopment, transportation of hazardous materials, and response to spills and releases of hazardous materials. *As of July 31, 2013, CCCHST trained 44,612 students and workers.*

Annually, PETE and HMTRI/Eastern Iowa Community Colleges provide an intensive 10-day Great Environmental Safety Trainers (GreatEST) Train-the-Trainer Institute for 20 CCCHST instructors, supplemented with Internet-supported instructor training. Another five instructors may attend GreatEST at their own expense. *CCCHST's GreatEST FY'13 Train-the-Trainer was held June 3-14 at Eastern Iowa Community Colleges in Davenport. Twenty instructors were registered; two canceled at the last minute. Six organizations are new to the program.*

Annually, PETE and HMTRI provide Instructor Refresher Training for 80 member instructors through a minimum of three (3) 2.5-day GreatEST Refreshers held in conjunction with regional PETE conferences. *A total of 81 instructors participated in refresher training. The first FY '13 GreatEST Refresher course was hosted by Greenville Technical College, Greenville, March 19-21, 2013 with 26 instructors attending. The second was held at Eastern Iowa Community College in Davenport, IA, June 26-28, 2013 with 25 registrations. Clover Park Technical College, Lakewood, WA, hosted the third refresher July 30-August 1, 2013 with 15 registrations. A significant activity at all GreatEST Refreshers in FY'13 involved curriculum updates. PETE has updated both its 24- and 40-hr hazardous materials curriculum; 24 hours of the 40-hour course are now available online through PETE.*

Refresher participants also enjoyed Round Robin networking where they shared "ah-hah" moments, close calls and/or best training techniques in small groups. Instructors learned about advanced training technologies including Sim-U-Share software, a product of an NIEHS SBIR grant, which is made available to CCCHST members who submit training numbers. Refreshers involved updates on OSHA and hands-on exercises including a Drum Plug and Patch Rodeo, Respiratory Fit-Testing, Indoor Air Quality Student Exercises, Groundwater Monitoring and Remediation, Green Design Sustainability, DOT Guide Book exercises and Incident Command exercises. Members were encouraged to get involved with PETE's Community College Citizen Preparedness Program (3CP2). There were also visitations to local industries like the BMW plant in Greenville, SC and the John Deere Harvester Plant in Moline, IL. Members learned about energy conservation and safety efforts at these plants. In Washington, participants did a walking tour of a Zero Energy House, the campus Natural Resources Lab, and Research Park at Flett Creek.

Upon successful completion of the GreatEST Train-the-Trainer and Refresher Institutes, PETE licenses CCCHST members to use curriculum, textbooks and teaching aids, developed by HMTRI, and adapted and maintained by PETE. PETE conducts site visits at a minimum three organizations each year to assure quality control. *PETE currently holds licenses with 133 CCCHST instructors in 34 states and Puerto Rico. Site visits were conducted at Prince William Sound Community College in Alaska on May 9-10; South Central College, Mankato, MN, July 23; Gustavus Adolphus College, St. Peter, MN, July 24, and at Hennepin Technical College, Eaden, MN, July 25, 2013.*

PETE provides basic financial support, at an amount not to exceed \$.50/contact hour, to consortium members to reimburse costs associated with collecting, tracking and reporting student demographics, training evaluations and performance. *PETE distributed \$68,000 on July 31, 2013 to 39 CCCHST organizations, each of whom provided over 1500 contract hours of training in FY'13.*

PETE provides centralized record keeping for members and submits to NIEHS the number of workers trained, related demographics, and a summary of the effects of training on workplace safety and health. *PETE collects data on all courses delivered by CCCHST instructors using HMTRI curricular material developed with NIEHS funding. PETE enters all training data on the NIEHS Data Management System. Anecdotal information regarding the effects of training on the health and safety of workers is provided by the third-party evaluator.*

PETE facilitates an external HWWT technical advisory committee to provide overall technical policy guidance to program staff and administrators. The committee bases its guidance on the NIEHS Minimum Health and Safety Training Criteria. *The FY '13 HWWT Advisory Board meeting was held March 22, 2013 at Greenville Technical College, Buck Mickel Center, 216 S Pleasantburg Dr, Greenville SC. Members in Attendance: Cindy Baldwin, John Conrad, John Morawetz, Bill Nash, Tippi Reed, Rick Richardson, and Mike Senew. Staff in Attendance: Pat Berntsen, Doug Feil, Kirk Laflin, Margaret Melleker, Don Ransford, Ron Snyder, and Patti Thompson. External Evaluator: Steve Power.*

PETE conducts a program self-audit annually based on the on the NIEHS Minimum Health and Safety Training Criteria. *PETE, HMTRI and CCCHST are in full compliance with the quality assurance sections of the NIEHS Minimum Criteria document, including criteria related to the facility, training, support and supervisory staff, educational materials, trainer/trainee ratios, proficiency requirements, a 5:1 ratio for all hands-on activities, and other specifications.*

PETE provides fiscal grants management services for the grant. *PETE is in full compliance with NIEHS fiscal grants management reporting.*

Connecting Tribal and Pacific Rim Colleges to Improve Indigenous Environmental Technology Education NSF ATE Grant (Due# 1204627) – 2012-2015

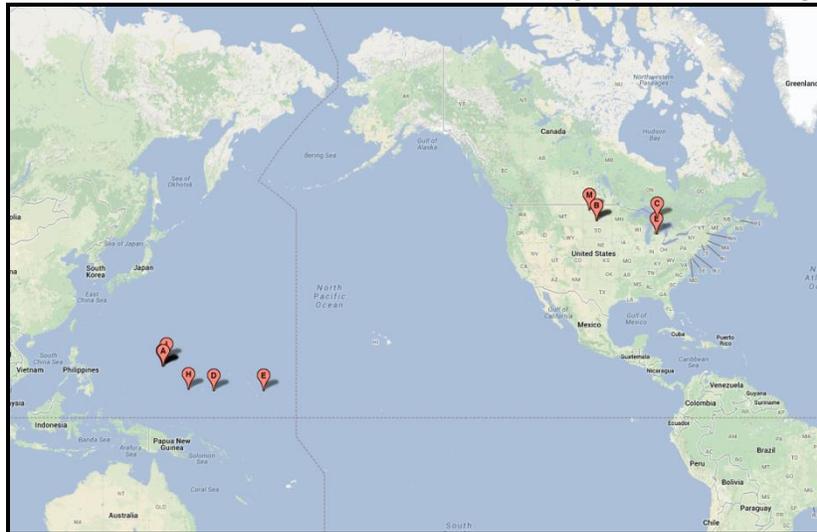
National PETE is assisting Tribal and Pacific Rim colleges in improving their Environmental Technology programs as a means to provide education to build an informed and up-to-date environmental “green” workforce. National PETE has and will continue to reach out to the 37 Tribal colleges and colleges in the Pacific Rim (U.S. Territories). Educators are being provided with technical and pedagogical skills to better instruct indigenous students and prepare them for new and sustainable “green” jobs. As a result, Tribal and Pacific Rim colleges will attract high school students, non-traditional students, and undecided majors to enter STEM programming at the collegiate level, increase enrollments in and graduation rates from two-year STEM programs, and provide indigenous workers to perform local “green” jobs.

Faculty Development: A week-long workshop for up to 15 STEM instructors, of which five spots are made available for Tribal and Pacific Rim high school instructors, is held each summer. Faculty are then eligible to apply for mini-grant funds to help implement the curriculum/hands-on activities they develop based upon Institute experiences.

- June 3-7, 2013 Institute, which focused on Resource Management, was held at Guam Community College in Guam. There were eleven community college teachers in attendance, and

three high school teachers participated. The week involved presentations by a wide variety of groups, such as the Nature Conservancy, NOAA, the University of Guam, Guam Coastal Management Program, Government of Guam Military Buildup Office, and Guam Department of Agriculture. The group also went on several field trips to learn about stream bank stabilization, the limestone forest on Guam, and the impacts humans have had on Guam's unique natural environment. Additionally, Fellows each presented information about their home Institutions and research interests.

- July 21-25, 2014 Institute will be held at Fort Berthold Community College in New Town, ND. The Institute will focus on the Impacts of Energy Resource Development.
- Summer 2015 Institute will be held at Honolulu Community College in Hawaii, which is a strategic location located between the Pacific Island colleges and Tribal colleges.



Map depicting 2013 Fellows Participants

Technical Assistance: College-specific technical assistance is being provided to a minimum of eight Tribal and/or Pacific Rim colleges. The outcomes are pulled together in a report, which will be made available through the project website for other schools to use as a guide for improving their own programs. Recipients of Technical Assistance will also be provided the opportunity to present findings at applicable national conferences.

- 2013 Technical Assistance Awardees:
 - Northern Marianas College (Saipan) – Natural Resource Management Program Assessment services were provided.
 - Guam Community College (Guam) – New Program Assessment: Environmental Technician Certificate services were provided.
 - Nebraska Indian Community College (Nebraska) – New Program Assessment: Environmental Studies/Natural Resources/GIS services were provided.

Website: A section of the PETE website has been dedicated to the project (www.nationalpete.org/nsf-indigenous-education/). It has links to information from PETE's first three-year Tribal College NSF ATE project. It also provides information on the Fellows programs, and will contain links to recorded webinars and conference sessions, as well as Technical Assistance reports (as they become available).

PETE's New York City Youth in the Environment Initiative

Funding for this initiative was designated with a contract with the New England Interstate Water Pollution Control Commission (NEIWPCC) located in Lowell, MA (EPA Region 2 funds). PETE conducted its twelfth annual summer youth environmental education, training, and summer employment program during FY'13. Throughout July and August, PETE worked in partnership with the New York City Department of Environmental Protection, U.S. EPA Region 2, Woodycrest Center for Human Development, and Bronx Community College, to place thirteen (13) Bronx youth (ages 15-21) into the summer employment program. The youth worked at multiple New York City Department of Environmental Protection host sites at Wards Island and the South Bronx. The youth worked under the leadership of a Bronx Community College "Summer Youth Coordinator" employed by PETE and assigned to NYC DEP to be a liaison with the host sites and Woodycrest Center for Human Development, Inc. Students worked at wastewater treatment facilities, research laboratories, process laboratories, warehouse departments, administrative offices, marine centers, and the water registry. Students were exposed to potential careers in the environmental area, while learning work skills, college exploration, and other life skills training. At the end of the seven week summer program PETE held a Recognition Day at Bronx Community College headquarters. Local dignitaries, including the President of Bronx Community College, and the EPA Region 2 Division Director (representing the EPA Region 2 Administrator) were present. The participating youth were presented with "certificates of achievement/appreciation" for their efforts. PETE's current two-year contract with NEIWPCC runs through 2014. The partners are hopeful that EPA Region 2 will continue to support the NYC Youth-in-the-Environment beyond this contract.

EPA OGD and OSBP, Grants Management & DBE Rule Training and Technical Assistance Initiative for Tribes, U.S. Territories and Insular Areas

PETE is in the final year of a five year contract entitled: "EPA OGD and OSBP, Grants Management & DBE Rule Training & Technical Assistance Initiative" with the U.S. Environmental Protection Agency. PETE is in contract with the U.S. Environmental Protection Agency (EPA) to develop and provide a nationwide training program for the Office of Grants and Debarment (OGD) and the Office of Small Business Programs (OSBP). This program involves a multi-faceted approach to provide Tribes, U.S. Territories and Insular Areas with training in the proper management of EPA funds through assistance awards, and OSBP's Disadvantaged Business Enterprise (DBE) rule. PETE provides training and technical assistance nationally through a 10-Module training program available through workshops (disseminated through a trained PETE technical team), webinars, and an asynchronous web version of the training materials. Two Tribal Community Colleges were selected as satellite Training Centers for Grants Management and the DBE Rule Implementation for Tribal Government personnel and potential DBE contractors. PETE selected United Tribes Technical College (UTTC), ND and Leech Lake Tribal College, MN through a national solicitation process during the second year of the project. This year, UTTC provides face-to-face training within their EPA region and assists with other training as necessary. The National PETE office serves areas of the country not covered by United Tribes, in addition to U.S. Territories and Insular areas. Detailed information is also available through a dedicated web page on this project at www.petetribal.org.

During this fiscal year PETE overhauled and updated the 10-Module *Tribal, U.S. Territories and Insular Areas Administrative and Financial Guidance for U.S. EPA Assistance Agreements* training manual, PowerPoints, and Appendix, which were approved by EPA as the basis for outreach training to Tribes in the continental U.S., Alaska, U.S. Territories and Insular Areas. PETE also developed two additional ½-day training opportunities based upon stated need (on the part of Tribal participants):

- *Accounting Fundamentals for Non-Accountants*
- *Disadvantaged Business Enterprise Rule: How to Negotiate Fair Share Objectives*

PETE and United Tribes Technical College work with EPA Headquarters and EPA Regional Offices to solicit and coordinate training throughout the service area based on the current contractual requirements. PETE is charged to reach out to 80% of the EPA grant eligible tribes within the United States (see map, below, for a pictorial view of Tribes reached so far).



In 2009-2010 PETE solicited and awarded six mini-grants to Tribal Colleges to integrate this training program into their administrative and related programs or to create a new program. Due to decreased federal funding unfortunately subsequent project years have not had enough funding to continue this element of the initiative; however several of the colleges continue to offer the course material of their own accord.

During the current contract PETE will once again be working with the EPA Regions to coordinate training for tribes throughout the continental United States and Alaska through face-to-face training, webinars, and conference presentations and through the asynchronous web platform. Training will be scheduled through December 23, 2013, which is the last date of the Contract (EPA issued NPETE an extension to the project in order to allow for additional training to occur). Below is the list of training dates and locations conducted during FY13:

Date	Location	Purpose	Names
October 29-30, 2012	Flagstaff, AZ	Full Training	Kirk Laflin & Steven Fenton
November 13-14, 2012	Hankinson, ND	Full Training	UTTC
November 15, 2013	Hankinson, ND	Accounting Fundamentals	UTTC
December 3-4, 2012	Anchorage, AK	Full Training	Kirk Laflin, Steven Fenton & Sarah Gross
January 10-11, 2013	Seattle, WA	Full Training	Kirk Laflin & Steven Fenton
January 15-16, 2013	Kotzebue, AK	Full Training	Kirk Laflin & Steven Fenton
January 17, 2013	Kotzebue, AK	Accounting Fundamentals	Kirk Laflin & Steven Fenton
February 12-13, 2013	Ignacio, CO	Full Training	Kirk Laflin & Steven Fenton
February 14, 2013	Ignacio, CO	Accounting Fundamentals	Kirk Laflin & Steven Fenton
February 14, 2013	Ignacio, CO	DBE Fair Share	Kirk Laflin & Steven Fenton
February 19-20, 2013	Albuquerque, NM	Full Training	Kirk Laflin & Steven Fenton
February 21, 2013	Albuquerque, NM	Accounting Fundamentals	Kirk Laflin & Steven Fenton
March 11-12, 2013	Elko, NV	Full Training	Kirk Laflin & Steven Fenton
March 14-15, 2013	Las Vegas, NV	Full Training	Kirk Laflin & Steven Fenton
March 26-27, 2013	Bethel, AK	Full Training	Kirk Laflin & Steven Fenton
March 28, 2013	Bethel, AK	Accounting Fundamentals	Kirk Laflin & Steven Fenton
May 9-10, 2013	Crescent City, CA	Full Training	Kirk Laflin & Steven Fenton
May 13-14, 2013	Chico, CA	Full Training	Kirk Laflin & Steven Fenton
May 15-16, 2013	Chandler, AZ	Full Training	Kirk Laflin & Steven Fenton
May 21-22, 2013	Rapid City, SD	Full Training	UTTC
May 23, 2013	Rapid City, SD	Accounting Fundamentals	UTTC
June 4-5, 2013	Guam	Full Training	Kirk Laflin & Steven Fenton
June 6, 2013	Guam	DBE Fair Share	Kirk Laflin & Steven Fenton
July 16-17, 2013	Perkins, OK	Full Training	Kirk Laflin & Steven Fenton
July 18, 2013	Perkins, OK	Accounting Fundamentals	Kirk Laflin & Steven Fenton
July 18, 2013	Perkins, OK	DBE Fair Share	Kirk Laflin & Steven Fenton
August 6-7, 2013	Pala, CA	Full Training	Kirk Laflin & Steven Fenton
August 8, 2013	Pala, CA	Accounting Fundamentals	Kirk Laflin & Steven Fenton
September 10-11, 2013	Lincoln City, OR	Full Training	Kirk Laflin & Steven Fenton
September 16-18, 2013	Anchorage, AK	Full Training	Kirk Laflin & Steven Fenton
September 18, 2013	Anchorage, AK	Accounting Fundamentals	Kirk Laflin & Steven Fenton

Department of Homeland Security – FEMA “Community College Citizen Preparedness Program (3CP2)

The goal of 3CP2 was to train U.S. citizens through a national community college network on specific protective actions to save lives and minimize injuries after a hazardous incident and before the arrival of first responders. Community colleges have provided training for the nation’s emergency responders for more than 30 years; 85% of the credentialed emergency responders in the U.S receive their education at community colleges. Many community colleges have existing collaborations and training agreements to deliver community-based programs such as the Community Emergency Response Team (CERT), Medical Reserve Corps (MRC) program. The primary objectives of 3CP2 were to prepare two-hour curriculum to be delivered to a national audience through community colleges and their partner organizations based on a comprehensive national needs assessment, and prepare 120 strategically-located community colleges through a Train-the-Trainer program offered by five community college leaders with exemplary homeland security programs. PETE staff and the Project Team widely promoted and disseminated the training through existing AACC and community college sponsored workshops, conferences and related organizations. The target audience for 3CP2 included students, faculty, employees, families, businesses, community organizations and local governments served by the nation’s community colleges. This project was a collaborative project with AACC.

PETE worked in collaboration with its Five Lead Colleges to deliver two and a half day Train the Trainer workshops. The five Lead Colleges were:

- Monroe Community College, NY
- Westmoreland County Community College, PA
- Oakland Community College, MI
- Pierce College, WA
- Miami Dade College – North Campus, FL

These Leads served as Train-the-Trainer Centers for the selected Community Colleges to certify them in the delivery of the FEMA-Certified 3CP2 outreach training of college students during orientation and business and industry training. During FY13, PETE conducted four, 2 ½-day FEMA Certified 3CP2 Train-the-Trainer sessions. During FY12 the Leads held a third round of Train-the-Trainer sessions with 26 Hub Colleges in attendance. Hub Colleges, along with the Lead Colleges, conducted the 2-hour certified course to their students, faculty and staff through general assemblies, individual classes, faculty, staff, training days, orientations, and campus clubs/organizations.

PETE was granted two, one-year no-cost extensions for this project due in part to FEMA's delay in allowing the start of grant activities during the first year, and then delays in the approval of both the 3CP2 Train-the-Trainer program and the 2-hour college presentation package. This grant was impacted by the Congressional Sequestration process: PETE was notified in early May 2013 that the grant would be cut six months short, for an end date of June 13, 2013. The early end-date prevented PETE from training additional PETE 3CP2 Hub Colleges, and it prevented the colleges who had attended the prior training to conduct further training on their campuses.

Prior to the early grant termination, the following FY13 Train-the-Trainer Sessions were conducted:
March 12-15 in Chicago, IL by Oakland Community College
April 25-27 in Rochester, NY by Monroe Community College
June 27-29 in Lakewood, WA by Pierce College
August 1-3 in Miami, FL by Miami Dade College – School of Justice

The newly trained HUB Colleges were responsible for providing the 2-hour 3CP2 course to their students, faculty and staff until the end of the grant period through college orientation sessions, individual classes, on-line orientation, or other unique opportunities. HUB Colleges were then required to turn in the rosters of those trained to the National PETE Office. In 2012, PETE launched the 2-hour 3CP2 online web course as an alternative delivery venue for the HUB Colleges. Monroe Community College worked with PETE in the development of the online course, and operated as the host of the program until the grant ended.

Unfortunately the grant did not achieve the target number of trained students due to a variety of reasons, i.e. FEMA's delays and lack of delivery by some colleges. That said, PETE was able to produce the 3CP2 Train-the-Trainer program and materials, the 3CP2 2-hour Training package and the on-line version, which are now housed at FEMA.

Over the course of this grant, the PETE Lead Colleges trained 136 Hub Colleges (28 in Y 1, 51 in Y2, 46 in Y3, and 11 in Y4). This total represents the following number of colleges in each of the following 44 states: AK (2), TX (3), WA(11), WY(1), CA(12), CT(4), AL(3), LA(2), TN(2), ND(3), OH(4), DC(1), MI(5), NJ(2), NM(1), IA(2), OK(3), GA(1), VA(3), NY(6), PA(5), CO(2), MD(2), FL(4), AR(2), NE(3), ME(2), KS(3), IL(4), KY(2), NC(2), NV(1), MO(2), MT(1), SC(1), MN(2), IN(1), KY(1), WI(1), MA (2), MS(2), AZ(1), UT(1), MO(1),

and GU(1) . Furthermore 9,305 students, faculty and staff were trained. The colleges now have the trained staff to provide the training to their students, faculty, staff and community, should they desire to do so.

National PETE 3CP2 Core Project Team Members:

Kirk J. Laflin, National PETE Executive Director, 3CP2 Project Director
Hilary Kessler, National PETE Office Manager, 3CP2 Data Manager
Pat Bernsten, National PETE Project Coordinator/ Internal Evaluator
Doug Feil, National PETE Project Coordinator
Ron Snyder, EHS & Homeland Security Specialist /Consultant, National PETE Training Consultant
John Perrone, Jr., Director, Homeland Security Management Institute, Monroe CC, NY
Guy Rossi, 3CP2 Coordinator, Homeland Security Management Institute, Monroe CC, NY
Deborah Bayer, Director of Emergency Services Training, Oakland Community College, MI
Connie Compton, 3CP2 Coordinator, Emergency Services Training Div., Oakland CC, MI
Patrick Gerity, Vice President, Continuing Education & Community Development/Executive Director Public Safety and Homeland Security, Westmoreland County Community College, PA
Clifford Schrum, 3CP2 Coordinator, Public Safety and Homeland Security, Westmoreland CCC, PA
Mike Campbell, Director, Center for Excellence for Homeland Security, Pierce College, WA (retired)
Linda Crerar, Director, Center for Excellence for Homeland Security, Pierce College, WA
Steve Fenton, Center for Excellence for Homeland Security, Pierce College, WA
Hector Garcia, Director, School of Justice, Miami Dade College, North Campus, Miami, FL
Ken Staab, 3CP2 Coordinator, Miami Dade College-North Campus, School of Justice, Miami, FL
William "Bill" Hudson, American Association of Community Colleges, Washington, DC

Bristol Community College, Fall River, MA – External Evaluator

NSF ATE SAGE Project: Sustainable and Green Energy Across the Curriculum (SAGE) Project -- 3 year agreement 2010-2013

The goal of the SAGE project was to build the capacity of Bristol Community College (BCC) and other educational partners in the region to train and prepare young technicians and engineers for careers in the growing green energy sectors. Specifically, the project focused to:

- Restructure BCC's Engineering Technology curriculum to include principles of sustainability and green energy technology;
- Build the capacity of BCC and other regional college and high school instructors to teach principles, technologies and materials supporting the use of clean, renewable and efficient energy and other sustainable practices;
- Expand the pipeline of college-ready students electing to pursue career pathways in "green" technical and engineering fields; and
- Increase retention and persistence rates of BCC engineering and technology students through the expansion of support services and SAGE activities.

Kirk Laflin, Executive Director of PETE, served as the External Evaluator for this project. External Evaluator duties included:

- Providing technical assistance on surveys developed by SAGE staff, including review and revision of student surveys, teacher workshop surveys and pre/post course surveys (4 surveys per year).
- Conducting one focus group and/or interviews annually with students who participated in at least two SAGE activities (at the end of Y1 & Y2).

- Conducting an Impact focus session at the end of Year 3.
- Conducting one focus group and/or survey with faculty and program partners at the end of years 1, 2 and 3, and at the end of the Summer Institutes.
- Submitting an annual and final evaluation report.

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PETE Funding Sources for 2013

- National Institute for Environmental Sciences (NIEHS)
- U.S. Environmental Protection Agency (EPA) Headquarters
- New England Interstate Water Pollution Control Commission (NEIWPCC) – EPA Region 2 Funding
- Maine Department of Environmental Protection (ME DEP) (Ended 2/2013)
- Maine Center for Disease Control- Drinking Water Program (ME CDC) (Ended 2/2013)
- Maine State Planning Office (ME SPO) (Ended 2/2013)
- National Science Foundation (NSF)
- U.S. Department of Homeland Security (DHS) – Federal Emergency Management Agency (FEMA) (Ended 6/2013)
- Eastern Iowa Community College District (EICCD)
- Advanced Technology Environmental and Energy Center (ATEEC)
- Bristol Community College, Fall River, MA

National PETE Staff and Contact Information

Kirk J. Laflin, CET, Executive Director (10/1/99 to present)

Hilary Kessler, Office Manager, (1/24/03 to present)

Sarah Gross, Program Coordinator and Environmental Analyst (9/2/08 to present)

Patricia Berntsen, Program Coordinator/Co- Principal Investigator (2/1/10 to present)

Douglas Feil, Program Coordinator/NIEHS Principal Investigator (11/15/10 to present)

LaMarr Clannon, Maine NEMO Coordinator (1/12/04 to 2/8/13)

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