

**PIPELINE AND HAZARDOUS MATERIALS SAFETY
ADMINISTRATION (PHMSA)**

Pipeline and Hazmat Safety Grants

FY2019

OVERVIEW

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) [announced a combined total](#) of \$34.3 million in awards for nine separate pipeline safety and hazardous materials safety grant programs. The grants will be awarded to states, local communities, tribal entities, territories, universities, emergency responders, and non-profit organizations to support various safety programs at the state and local levels. **The awards include:**

- \$1.7 million in State Damage Prevention grants
- \$1.2 million in Pipeline Safety One Call grants
- \$2 million in Pipeline Safety Competitive Academic Agreement Program awards
- \$1 million in Pipeline Safety Technical Assistance grants
- \$3.7 million in Hazardous Materials Instructor Training grants
- \$1.9 million in Supplemental Public Sector Training grants
- \$1.3 million in Assistance for Local Emergency Response Training grants
- \$20.6 million in Hazardous Materials Emergency Preparedness grant
- \$800 thousand in Community Safety grants

A detailed listing of grant recipients and award information is included below. For more information on PHMSA's grant programs, visit: www.phmsa.dot.gov.

State Damage Prevention Grants

PHMSA is awarding \$1,666,055 (combined) in State Damage Prevention (SDP) Grants to 18 states. PHMSA SDP grants are designed to not only establish comprehensive State programs to prevent excavation damage to underground pipeline facilities in States that lack these programs, but also to improve damage prevention programs in States where these programs already exist. Effective, efficient SDP programs are essential to protecting the Nation’s pipeline transportation system and for improving public safety. SDP’s encourage States to incorporate the [nine elements](#) associated with effectively preventing damage to underground utilities.

| State Agency/Applicant | Application Summary | Grant Award |
|---------------------------------------|---|-------------|
| Connecticut Call Before You Dig, Inc. | Funds will be used for the development of the final scope and functionality of an e-learning excavation damage prevention platform, concept development and prototyping, and user acceptance testing. The final phases will consist of marketing and training of the e-learning system and implementation. The creation of an e-learning training program will increase the ability of excavators to educate employees at their convenience. The intent of this e-learning platform is to provide education and training so that employees of excavators, utility operators, and municipalities possess a certification that is consistent throughout the state with regards to damage prevention laws and regulations. The certification will demonstrate that employees have the skills and knowledge to perform their craft safely and responsibly (Element 5). | \$95,220 |
| Idaho Division of Building Safety | Funds will be used for a trainer/educator and administrative support staff who will update and provide damage prevention training for first-violation offenders of Idaho Code 55-2211. The staff will also provide statewide damage prevention education for the pipeline industry. The Idaho Division of Building Safety will develop and update the damage prevention curriculum used in training sessions to adapt to the needs of industry specific audiences. Additionally, the Idaho Division of Building Safety will provide digital/media content to the training modules, with the intent of both updating training content and providing a more user-friendly audience- and industry-specific experience. The proposed project will allow for a continuation of the education and training program developed during the 2017 SDP grant cycle (Element 5). | \$100,000 |
| Indiana Utility Regulatory Commission | Funds will be used for staff from the Indiana Utility Regulatory Commission’s Pipeline Safety Division to investigate, report, and track alleged damage prevention violations of Indiana’s One Call statute (IC 8-1-26, Damage to Underground Facilities). This project will reduce excavation damages and increase awareness of the state’s One Call law by funding damage prevention enforcement activities such as investigations, administrative support, communications, and analysis (Element 7). | \$100,000 |

Pipeline and Hazmat Safety Grants FY2019

| | | |
|---|--|-----------|
| Iowa Department of Commerce, Utilities Division | Funds will be used for Iowa Utilities Board staff to improve the damage prevention program by investigating, reporting, and tracking damage prevention violations. The Iowa Utilities Board will collaborate with the Iowa Attorney General’s office by providing investigation summaries to support enforcement of the damage prevention laws. The staff will update and enhance the damage prevention database by including mandatory and voluntary reporting and stakeholders’ internal measurements (Elements 1-3, 5-7, 9). | \$100,000 |
| Kansas Corporation Commission | Funds will be used for one full-time employee who will be dedicated to damage prevention inspections and enforcement of the Kansas Underground Utility Damage Prevention Act in the Wichita and Kansas City metropolitan areas. The proposed grant will assist Kansas in meeting the goals outlined in Element 7 of the PIPES Act and will have a secondary impact on Elements 4 and 5; it will also allow Kansas to continue a successful enforcement program in the two largest population centers within the state. In addition to investigating damage prevention violations, the Kansas Corporation Commission proposes to evaluate the effectiveness of a damage prevention enforcement program by using the mandatory damage reporting requirements in effect in Kansas (Element 7). | \$99,635 |
| Kentucky Public Service Commission | Funding will be used for one damage prevention investigator, who was hired by the Kentucky Public Service Commission in April 2019. This investigator is solely dedicated to investigations of natural gas and liquid pipeline facility damages that are reported to the Commission by regulated natural gas and liquid pipeline operators. The investigator will also conduct damage prevention outreach and education, including mock line-strike events targeting first responders, municipalities, public officials, and the excavation community. Funding will also be used to purchase a vehicle to complete damage prevention investigations (Elements 1-7, 9). | \$75,000 |
| Maryland Underground Facilities Damage Prevention Authority | Funds will be used for the development of four online education modules, the creation of a web-based data-collection portal, conference expenses, the purchase of two new Apple computers, and ongoing design of the damage reporting and query portal and interface for the Maryland Underground Facilities Damage Prevention Authority’s website. The Maryland Underground Facilities Damage Prevention Authority believes that making damage prevention training more accessible, understandable, and interactive will encourage greater and more proactive participation by stakeholders (Elements 1, 5, 7, 9). | \$97,000 |
| Michigan Public Service Commission | Funds will be used for public and industry education and awareness that would be facilitated by contracts between the Michigan Public Service Commission and MISS DIG 811. These contracts would allow for the development of a program that would allow the Michigan Public Service Commission to travel to areas of higher damage rates to educate, train, and provide awareness to school-aged children, the public, excavators, locators, and facility owners. Additionally, the Michigan Public Service Commission would purchase a customized van and trailer, booklets, promotional materials, a generator, and a TV to create a traveling learning station designed to educate families and children in Michigan counties with the highest damage rates about the importance of calling 811 before any excavation (Element 5). | \$100,000 |
| Minnesota Department of Public Safety | Funds will be used to supplement salaries for Minnesota Department of Public Safety staff to perform each function of the nine Elements by administering enforcement, educating, training, communicating, | \$100,000 |

Pipeline and Hazmat Safety Grants FY2019

| | | |
|---|---|-----------|
| | supporting, analyzing, and fostering partnerships and mediation activities associated with the damage prevention program. Minnesota Department of Public Safety staff will devote a significant amount of effort to damage prevention education meetings throughout the state. The Minnesota Department of Public Safety will track each meetings' attendance and work with industry stakeholders to ensure effectiveness (Elements 1-9). | |
| Mississippi Public Service Commission | Funds will be used for a statewide Call Before You Dig media campaign to help educate the public regarding new damage prevention enforcement provisions of the law that require stakeholders who are in violation of the damage prevention law to attend training and/or pay penalties. The Mississippi Public Service Commission will research and analyze other states' procedures and best practices, attend board meetings, draft and revise any developing procedures and/or rules, and ensure it is knowledgeable regarding damage prevention law (Elements 5, 7). | \$47,500 |
| Missouri Department of Economic Development | Funds will be used for providing stakeholder employees with damage prevention training and education at the 2019 Damage Prevention and Excavation Summit. This training will be offered free of charge and will demonstrate new technologies in courses and throughout the tradeshow, thus showcasing the most recent developments in equipment and services. The applicant will assess Missouri's effectiveness regarding the nine elements of effective damage prevention and will work to implement highly impactful educational programs that attendees can expand into their workforce (Elements 4, 5, 8). | \$77,950 |
| Nebraska State Fire Marshall | Funds will be used for the development and implementation of the 10 th Annual Excavation Safety Summit, which will increase Nebraska homeowners' and property owners' awareness of Underground Utility damage prevention through promotional handouts, billboards, radio, TV, and online advertising and direct mailings; additionally, it will facilitate an increase in communication between stakeholders through a White Flag project that will focus on educating excavators regarding the importance of white-lining and improved efficiency in locating by use of white flags (Elements 1, 2, 5). | \$99,850 |
| New Jersey Department of Treasury | Funds will be used for personnel to perform damage prevention compliance enforcement and related program activities. The project scope includes conducting inspections, addressing responses, assisting with case preparation for proposed enforcement penalties, and tracking probable non-compliance and complaints related to the New Jersey Underground Facility Protection Act. The project will contribute to overall damage prevention awareness in the state and will encourage communication with all stakeholders (Element 7). | \$100,000 |
| New Mexico State Public Regulation Commission | Funds will be used for Pipeline Safety Bureau Damage Prevention Program personnel to provide effective damage prevention enforcement of the state excavation law. Pipeline Safety Bureau staff will educate equipment operators, office personnel, and the public on damage prevention law compliance requirements and best practices. The applicant will also participate in public awareness outreach meetings and conferences to create more opportunities to network with stakeholders, offer training and instruction to excavators and underground facility owners, resolve issues arising from the state excavation law and/or damage to underground facilities, conduct field investigations to determine root causes, and spot-check construction projects to prevent excavation damage (Elements 2, 4, 6, 7). | \$100,000 |

Pipeline and Hazmat Safety Grants FY2019

| | | |
|--|--|------------------|
| <p>Pennsylvania One Call System, Inc.</p> | <p>Funds will be used for an 811 outreach campaign that will cover 17 bulletins, 81 posters, and 16 junior posters; it will also set up geofencing for the placement of each media advertisement on mobile applications in four major Pennsylvania cities (Philadelphia, Pittsburgh, Scranton, and Harrisburg). Pennsylvania continues to see less than desirable 811 awareness in some major metropolitan areas. To raise awareness of 811, the Pennsylvania One Call System would like to expand a billboard campaign and incorporate an additional feature. Geofencing is becoming more and more popular to provide individuals with knowledge based on where they are walking or driving (Element 5).</p> | <p>\$100,000</p> |
| <p>South Dakota Public Utilities Commission</p> | <p>Funds will be used to support the development and implementation of the 2nd Annual Damage Prevention and Excavation Safety Summit, which will be hosted by the South Dakota Common Ground Alliance. The focus of this summit will be educational workshops for the excavating community, utility operators, and underground utility locators. The summit will also provide industry-specific information, educate attendees regarding Common Ground Alliance Best Practices, and will include opportunities for hands-on learning. The summit will emphasize underground damage prevention, personal safety, and awareness of and active participation in the initiatives of the South Dakota Common Ground Alliance, thereby enhancing communication among all stakeholders and increasing the shared support and commitment to underground damage prevention in South Dakota (Elements 2, 4, 5).</p> | <p>\$73,900</p> |
| <p>Texas Railroad Commission</p> | <p>Funds will be used for damage prevention educational and awareness events throughout the state that will provide outreach to external stakeholders, including plumbers and electricians. These events will include visibility through various mediums for the Call Before You Dig logo. As the Commission experienced during the implementation of the pipeline damage prevention enforcement program, many people are unaware of the need to Call Before You Dig, even though Texas has had this damage prevention law in place since 1997 (Element 5).</p> | <p>\$100,000</p> |
| <p>Virginia Utility Protection Service, Inc.</p> | <p>Funds will be used for the VA811 to partner with the Statistical Applications and Innovations Group (SAIG) at Virginia Tech for two phases. This project will allow a contractor to create a Miss Utility ticket in the field using a GPS-enabled personal digital assistant phone and application of GPS technology with locating instruments to improve its damage prevention technology. The locator will locate underground facilities by capturing their latitude and longitude coordinates by utilizing locating equipment integrated with GPS receivers. The data will then be transmitted to the One Call software application, which will create an electronic manifest and post the positive response. Artificial intelligence provides VA811 with a means to identify tickets with potential errors in a much timelier manner, thus allowing VA811 to become more proactive in addressing these issues. Early identification of errors can mitigate the negative effects of these tickets and ensure that utilities are better protected (Elements 1-5, 8, 9).</p> | <p>\$100,000</p> |

One Call Grants

PHMSA is awarding a total of \$1,218,887.93 in FY 2019 One-Call Grants to support 39 projects in 29 states. The grants enhance public safety, protect the environment, minimize risks to excavators, and prevent disruption of vital public services by reducing the incidence of excavation damage to underground facilities. States meeting the requirements of 49 U.S.C. 6104(b) are eligible to apply for One-Call Grant funding on an annual basis. The Pipeline Inspection, Protection, Enforcement, and Safety Act of 2006, (Public Law 109-468) created a requirement for States to answer eight eligibility questions demonstrating their compliance with the requirements of the damage prevention program to receive the grant award.

Projects supported by One-Call Grants are prioritized and aligned with 49 U.S.C. 6106(a) goals for improving state damage prevention programs. Goals of the program are to improve: 1) the overall quality and effectiveness of One-Call notification systems in the state; 2) communications systems linking One-Call notification systems; 3) location capabilities, including training personnel and developing and using location technology; 4) record retention and recording capabilities for One-Call notification systems; 5) public information and education; 6) participation in One-Call notification systems; and 7) compliance and enforcement under the state one-call notification program.

| State Agency/Applicant | Project Description | Grant Amount |
|---|---|--------------|
| Connecticut Department of Energy and Environmental Protection | Grant funding is requested to continue the state One Call law damage prevention enforcement program and will be used to investigate and review damages to underground facilities and to prosecute violators of the One Call damage prevention program. Grant funding will also be used to perform a detailed analysis of One Call center statistics, compliance statistics and frequency, cause and consequence analyses, and will include the submission of state-collected excavation damage data to the Common Ground Alliance’s Damage Information Reporting Tool (DIRT). | \$52,200.00 |
| Idaho Public Utilities Commission | Grant funding is requested to continue funding a part-time enforcement specialist position to support and enhance the Idaho Damage Prevention Board’s mission. The Enforcement Specialist will investigate, determine violations, and enforce compliance of Idaho Code Title 55, Chapter 22, Sections 55-2201–55-2212. This position will also develop and disseminate educational programming designed to improve worker and public safety relating to excavation and underground facilities and monitor the Virtual Damage Information Reporting Tool (DIRT) activities. | \$52,200.00 |
| Illinois Commerce Commission | Grant funding is requested to assist with the priority 1 project of Compliance Enforcement – Cost of Enforcement and/or Complaint Investigations. Enforcement staff will focus efforts on locating compliance as the state's primary contract locator US Infrastructure Company continuously fails to hire and retain an | \$52,200.00 |

| | | |
|--|---|-------------|
| | adequate level of staff. | |
| Indiana Utility Regulatory Commission (IURC) | Grant funding is requested to help pay for internal IURC labor costs that were incurred to enforce Indiana's One Call law. These costs consist of 1) time spent by Pipeline Safety Division personnel investigating alleged damages, 2) other IURC labor costs associated with providing support and advice to the Underground Plant Protection Advisory Committee, Pipeline Safety Division, and the IURC Commissioners, 3) administering the Pipeline Safety Division excavation damage database and coordinating the various mailings and responses required to complete the damage investigation process, and 4) analysis and reporting of any statistical trends with One Call enforcement data. | \$52,200.00 |
| Kansas Corporation Commission | Grant funding is requested to support a full-time position with the Kansas Corporation Commission as an Underground Utility Damage Prevention Investigator. This position is responsible for enforcing the compliance of the Kansas Underground Utility Damage Prevention Act. | \$52,200.00 |
| Kentucky Public Service Commission | Grant funding is requested to partially fund one employee to ensure damage prevention compliance/enforcement with the Kentucky Underground Facility Damage Prevention Act for both operators and excavators. | \$52,200.00 |
| Louisiana Department of Natural Resources | Grant funding is requested to pay salaries and benefits for inspection personnel and office staff working on the damage prevention program. All personnel who work in this area also work for the pipeline division's gas and liquid pipeline safety programs. | \$52,200.00 |
| Maine Public Utilities Commission | Grant funding is requested for partial funding for two Damage Prevention Investigator positions. These positions enhanced the Maine Public Utilities Commission's ability to effectively, consistently, and fairly enforce their damage prevention law. | \$52,200.00 |
| Michigan Public Service Commission | Grant funding is requested to partially fund the costs of the damage prevention enforcement position. The full-time damage prevention enforcement staff member is stationed in the Lansing area and is responsible for statewide enforcement of Public Act 174, which was passed in 2013. This staff member is continuing to develop policies and procedures to implement an efficient and effective enforcement program. | \$52,200.00 |
| Nevada; Public Utilities Commission Nevada | Grant funding is requested for continued strong and effective enforcement efforts and to prepare civil penalty filings and issue civil penalties under Nevada's One Call Law. | \$52,200.00 |
| New Hampshire Public Utilities Commission | Grant funding is requested to fund 52 percent of the associated direct costs for the Underground Damage Prevention Specialist position. In 2018, the New Hampshire Public Utilities Commission had 85 non-gas-related and 78 gas-related cases. | \$52,200.00 |
| New Jersey Board of Public Utilities | Grant funding is requested to pay a portion of the salary and fringe benefit expenses for a staff investigator in the New Jersey Board of Public Utilities Damage Prevention Program using the requested 2019 One Call Grant funds. | \$52,200.00 |
| New Mexico Pipeline Safety Bureau | Grant funding is requested to partially fund three damage prevention employees whose primary jobs are to investigate excavation damage complaints and to enforce compliance with the New Mexico State Excavation Laws and Regulations. They also conduct frequent patrols of construction sites and verify excavators have valid locate requests and have maintained the markings. | \$52,200.00 |

| | | |
|--|---|-------------|
| Pennsylvania Public Utility Commission | Grant funding is requested to pay some of the personnel costs incurred by the Pennsylvania Public Utility Commission. | \$52,200.00 |
| Rhode Island Division of Public Utilities and Carriers | Grant funding is requested to pay for a portion of the salary and benefits of the engineer who enforces the Rhode Island One Call Law. | \$52,200.00 |
| Washington Utilities and Transportation Commission | Grant funding is requested for damage prevention enforcement. Washington's program has been successful in increasing its enforcement component with the implementation of an improved software system to track DIRT reports and damage history. The program expects to see the number of referrals for enforcement from the safety committee increase during the next year. | \$51,201.24 |
| New York Department of Public Service | Grant funding is requested to pay personnel costs, including salary and benefits, for conduct of the damage prevention enforcement program. | \$50,634.00 |
| Minnesota Office of Pipeline Safety | Grant funding is requested to partially fund Minnesota Office of Pipeline Safety inspectors' costs for damage prevention program investigation and enforcement activities. This grant will be used for Minnesota Office of Pipeline Safety activities directly associated with investigation and enforcement of excavation-related damages governed by the Minnesota One Call laws (MS216D and Rules 7560). | \$47,850.00 |
| Vermont Department of Public Service | Grant funding is requested for compliance and enforcement activities during Calendar Year 2019. | \$44,644.46 |
| North Dakota Public Service Commission | Grant funding is requested for expenses incurred in the enforcement of the North Dakota One Call law. | \$43,500.00 |
| Iowa Utilities Board | Grant funding is requested for One Call complaint investigations for Calendar Year 2019. Iowa Utilities Board staff will investigate complaints issued to the Attorney General's office and the Iowa Utilities Board's online complaint form and Board notification of damage involving an underground facility. | \$37,845.00 |
| Nebraska Pipeline Safety Division | Grant funding is requested to conduct activities related to complaints. The complaints require investigations, which include a background investigation; witness interviews; a review of evidence gathered by the complainant, if any; communication with the One Call Center, the respondent, and the State Fire Marshal, when appropriate; follow up with witnesses; and other investigation, as necessary. | \$30,450.00 |
| Iowa Utilities Board | Grant funding is requested for expenses incurred while performing legal assistance with the enforcement of Iowa Code Chapter 480: One Call Law. | \$13,050.00 |
| Nebraska Pipeline Safety Division | Grant funding is requested to distribute a mailing to excavators and for outreach at stakeholder meetings with an emphasis on reporting damages and compliance with changes in the state law. | \$10,788.00 |
| Missouri Public Service Commission | Grant funding is requested to conduct a statewide 811: Call Before You Dig damage prevention educational/public awareness radio campaign like the campaign that was conducted in 2018. | \$8,700.00 |
| Nebraska Pipeline Safety Division | Grant funding is requested to pay for 2,500 excavator manuals, 6,000 calendars, and 700 excavator t-shirts. | \$8,700.00 |
| North Dakota Public Service Commission | Grant funding is requested for a statewide educational campaign promoting 811 and damage prevention. The campaign will include billboard advertising throughout the state of North Dakota, as well as | \$8,700.00 |

| | | |
|---|---|-------------|
| | informational materials and items utilizing the 811 logo. | |
| Delaware Public Service Commission | Grant funding is requested to continue radio ads and website banners to address the issue of excavators hitting marked lines. The grantee plans to expand the target audience for the website banners over the summer months to additional areas where there are known high volumes of construction taking place. | \$8,176.26 |
| Wyoming; Public Service Commission, State of Wyoming | Grant funding is requested for 2 months of public service announcements throughout the state. The Wyoming Association of Broadcasters, through its member radio stations, provides statewide coverage and will run the public service announcements throughout the state. The Public Service Commission, State of Wyoming, would like to run the public service announcements in August and September to promote One Call of Wyoming. | \$7,395.00 |
| Minnesota Office of Pipeline Safety | Grant funding is requested to acquire the items to aid our office in promoting the Call 811 Before You Dig campaign. | \$4,350.00 |
| Nebraska Pipeline Safety Division | Grant funding is requested to conduct locator workshops in conjunction with stakeholder meetings. The workshops would be open to anyone in Nebraska who locates underground utility lines. | \$2,175.00 |
| New York Department of Public Service | Grant funding is requested to print a minimum of 3,000 booklets of the state excavation damage prevention law—including the responsibilities required of the One Call Center, excavators, and operators—and enforcement procedures. | \$1,566.00 |
| Mississippi Public Service Commission | Grant funding is requested to refine existing law and further damage prevention efforts. The Mississippi Public Service Commission would like to host nine meetings around the state to build on previously established relationships and continue to strengthen Mississippi's damage prevention law. | \$19,406.25 |
| North Carolina Utilities Commission | Grant funding is requested to fund research into the causes and practices that lead to the increasing numbers of updated tickets that North Carolina is experiencing. The study aims to understand the causes and practices behind the issue. | \$15,870.00 |
| North Carolina Utilities Commission | Grant funding is requested to raise 811 awareness by painting an 811 message on an aboveground storage tank in a high-visibility area, based on a North Carolina Department of Transportation road count. | \$6,899.00 |
| Texas Railroad Commission | Grant funding is requested to support pipeline damage prevention education, outreach, reporting, and enforcement efforts. The Railroad Commission of Texas Damage Prevention program plans to conduct public education activities and training for violators of the state damage prevention laws and rules. | \$6,899.00 |
| Puerto Rico Department of Transportation and Public Works | Grant funding is requested for 811 educational posters and banners. The use of posters and banners regarding the importance of calling 811 before starting projects can be effectively transmitted with the Call Before You Dig/Know What Is Below 811 message and logo. | \$3,311.52 |

| | | |
|---|--|------------|
| | | |
| Puerto Rico Department of Transportation and Public Works | Grant funding is requested for publishing and then distributing a pocket-size spiral-binder-style quick reference guide for use on and off the field that will have durable, moisture-resistant covers. The manual will summarize the obligations of excavators and operators and relevant law. | \$2,742.35 |
| Iowa Utilities Board | Grant funding is requested to educate the public on Iowa's damage prevention laws and enforcement of those laws, as well as the collaborative efforts with the Iowa Utilities Board, as outlined in projects 1.1 and 1.2 and including notifying the public through presentations or updating video presentations about the ability to submit online complaints. | \$1,034.85 |

Pipeline Safety Research Competitive Academic Agreement Program (CAAP)

PHMSA is awarding \$1,956,810 (combined) to eight universities as part of its Competitive Academic Agreement Program (CAAP) to research new ideas and technologies that will improve the safety of the nation’s energy pipelines. CAAP was created to introduce graduate and PhD students to common pipeline integrity challenges and demonstrate how their engineering or technical backgrounds might contribute to the field of pipeline safety. The goal of the CAAP is to spur innovation and solutions to pipeline safety challenges facing the Nation’s pipeline infrastructure through academic research and university student involvement. These projects will further promote industry investment in solutions that improve pipeline safety and protect the environment. CAAP is similar to other federal programs designed to educate and lure more applicants in technical disciplines with lower federal recruitment rates. The awards are partially matched by non-federal funding.

These pipeline safety research projects will support PHMSA’s mission by promoting technological advancement, increased innovation, and knowledge dissemination to enhance pipeline safety. They are focused on three research topic areas: (1) Anomaly Detection and Characterization – Interactive Threats; (2) Development and Validation of In-line Inspection Technologies for Circumferential Anomalies and Bending Stresses; and (3) Unmanned Aerial Systems (UAS) to Enhance Pipeline Safety.

| State | University | Project Description | Amount |
|----------|---|---|-----------|
| Arizona | Arizona State University | Develop a vision-based inspection tool using stereo vision and Artificial Intelligence-enabled computer vision algorithms for pipeline threat detection and characterization. | \$250,000 |
| Iowa | Iowa State University | Enrich the knowledge base for evaluating interactive threats of external mechanical dents and secondary features | \$250,000 |
| Missouri | Missouri University of Science and Technology | Develop and integrate a robust and stable, semi- or fully-automated unmanned aerial system with multiple sensors for multi-purpose pipeline safety data collection | \$250,000 |
| Nebraska | University of Nebraska-Lincoln | To enhance the quality and efficiency of UAS pipeline and route inspections | \$249,964 |

| | | | |
|---------------|---------------------------------|--|-----------|
| New Jersey | Stevens Institute of Technology | The development, calibration, and validation of an innovative distributed fiber optic sensor network | \$250,000 |
| Ohio | University of Akron | Develop a probabilistic pipeline performance evaluation framework based on multi-modal NDE under interactive anomalies. | \$249,926 |
| Rhode Island | Brown University | Development of a method for better ultrasonic measurement of interacting anomalies and development of an accurate model for failure load prediction. | \$250,000 |
| West Virginia | West Virginia University | Determine the most cost-effective combination of Unmanned Aerial System (UAS) sensors to monitor and evaluate pipeline conditions. | \$206,920 |

Technical Assistance Grants (TAG)

PHMSA is awarding over \$1,074,274.06 (combined) in Pipeline Safety Technical Assistance grants to support 14 projects in 10 states. PHMSA Technical Assistance Grants allow local communities and groups of individuals to obtain funding for technical assistance in the form of engineering or other scientific analysis of pipeline safety issues and help promote public participation in official proceedings. The program also provides funding to increase the scope and quality of public participation in the safe development and operation of pipelines located in and around communities. The Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011 authorized a total of \$1,500,000 per year for the TAG program.

| State | Agency/Award Recipient | Project Description | Amount |
|----------|------------------------|---|-------------|
| Colorado | City of Aurora | <p>LEAK DETECTION EQUIPMENT</p> <p>The City of Aurora proposes to purchase four multi-gas monitors and ancillary equipment for the Aurora Fire Rescue HazMat Team to enhance emergency response to pipeline emergencies. The equipment will increase the speed and capability in life safety and will reduce the environmental impact of pipeline incidents by replacing outdated multi-gas detectors. The project will enhance pipeline safety by increasing response capabilities and decreasing the potential environmental impacts on two reservoirs classified as unusually sensitive environmental areas used for drinking water.</p> | \$54,436.80 |
| Colorado | City of Greeley | <p>EQUIPMENT FOR EMERGENCY RESPONSE</p> <p>The City of Greeley proposes to purchase rapid area air monitoring equipment for pipeline and chemical incidents. The project will improve the local pipeline emergency response capabilities of the Greeley Fire Department Regional Hazardous Materials Response Team and will help support a track record of zero major pipeline accidents in Northern Colorado. The equipment would provide HazMat technicians with the capability to remotely monitor dangerous chemicals in the air within a four-mile radius of a pipeline incident and will enhance safety of the response personnel and the surrounding community.</p> | \$88,902.00 |

| | | | |
|---------------|-------------------------------------|---|--------------|
| Florida | Southern Manatee Fire and Rescue | <p>LEAK DETECTION EQUIPMENT AND PUBLIC AWARENESS</p> <p>The Southern Manatee Fire and Rescue proposes to purchase leak detection equipment and supplies to enhance pipeline emergency response operation; and disseminate education materials.</p> | \$45,499.47 |
| Kentucky | Center for Rural Development | <p>PIPELINE SECURITY FOR RURAL COMMUNITIES TRAINING</p> <p>The Center for Rural Development proposes to provide "Pipeline Security for RuralCommunities" training to 12 communities. The 8-hour, awareness-level, instructor-led course will be designed to bring together rural pipeline stakeholders, including: public safety; oil and gas pipeline representatives (large and small); local emergency planners; federal, state, and local agencies; and other community stakeholders to recognize pipeline security threats and identify mitigation strategies within their jurisdictions to ensure the rural pipeline sector is secure and resilient. The course will focus on pipeline safety and will promote the national pipeline mapping system.</p> | \$100,000.00 |
| Kentucky | City of Henderson | <p>LEAK DETECTION EQUIPMENT</p> <p>The City of Henderson proposes to purchase four remote methane leak detectors and one methane detector for leak surveys and first response in natural gas and emergency situations. The Henderson Municipal Gas and Henderson Fire Department seeks to enhance emergency response and address pipeline safety risks associated with natural gas leaks on mains and service lines.</p> | \$57,025.00 |
| Louisiana | Lake Pontchartrain Basin Foundation | <p>NATIONAL PIPELINE SAFETY PROGRAM FOR MARINE AND NAVIGABLE WATERWAYS</p> <p>The Lake Pontchartrain Basin Foundation proposes to create an online training module to educate workers in dredging and construction aquatic environments on marine damage prevention. Additionally, the applicant will partner with the Coastal and Marine Operators organization to co-host the November 2019 Coastal and Marine Safety and Emergency Response Workshop that will provide educational opportunities and outreach to stakeholders to advance marine pipeline safety.</p> | \$100,000.00 |
| Massachusetts | Home Energy Efficiency Team | <p>LEAK DETECTION STUDY</p> <p>HEET proposes to conduct a leak detection study to better understand new volume based on leak grade classifications in the Commonwealth of Massachusetts and to provide pipeline safety education and community awareness to the public, first responders, and municipalities about gas leak classifications and their repair prioritization. The project aims to help the public better understand how the gas companies are managing leaks and targeting risk, as well as demonstrating their commitment to transparency and improvement. Additionally, the findings of the study will provide gas companies with independent leak survey data to optimize safety on their distribution systems.</p> | \$92,020.50 |

| | | | |
|--------------|--|---|--------------|
| New York | County of Rockland | <p>PIPELINE EMERGENCY TRAINING PROGRAM</p> <p>The County of Rockland proposes a project to increase the knowledge, skills, and abilities of first responders and emergency management personnel within the county through a pipeline training program focused on transmission and distribution line pipeline failures.</p> | \$57,410.00 |
| Pennsylvania | County of Northampton | <p>EQUIPMENT FOR EMERGENCY RESPONSE</p> <p>The County of Northampton proposes to purchase 1,320 gallons of Universal Gold Foam concentrate that would be used to respond to any large-scale pipeline or flammable liquid incidents in the County of Northampton and all contiguous counties. The applicant also plans to purchase a multi-gas detector and large structure ventilator to enhance and strengthen emergency response capabilities. The equipment and supplies will enhance response capabilities and will reduce response times to mitigate environmental damage that an extended response time would amplify.</p> | \$78,000.00 |
| Texas | Permian Basin Regional Planning Commission | <p>PIPELINE SAFETY AWARENESS PROJECT</p> <p>The Permian Basin Regional Planning Commission proposes to implement a pipeline safety awareness project to address public safety, environmental issues, and pipeline infrastructure hazards in the Permian Basin. The Permian Basin Regional Planning Commission will engage emergency responders, local public officials, economic development professionals, and oil and gas organizations in the region by providing pipeline mapping information, 811 awareness, and disseminating information on public meetings hosted by the pipeline industry and the Texas Railroad Commission. The applicant will also host a pipeline industry meeting to educate local elected officials and will participate in public awareness projects for citizens with a focus on community awareness in rural communities. Additionally, the applicant will participate in community events, promote mass media public announcements, distribute pipeline safety information to local communities, and enhance the pipeline safety information on their website.</p> | \$100,000.00 |

| | | | |
|-------|--|--|-------------|
| Texas | West Central Texas County of Governments | <p>PIPELINE SAFETY PUBLIC AWARENESS PROGRAM</p> <p>The WCTCOG will advance pipeline safety by sponsoring radio and television public service announcements; disseminating outreach, education, and awareness materials through public events and at area schools; and engaging in the Region's four damage prevention councils as well as other local activities to promote pipeline safety awareness and damage prevention. The applicant proposes to pipeline safety conduct outreach and education throughout 19 counties and 62 communities in the West Central Texas region. The project will increase public awareness of pipeline infrastructure and the associated hazards of living near pipelines. The applicant will promote the Call Before You Dig 811 initiative and One-Call procedures for the public, construction and building contractors, agriculture workers, public safety and emergency personnel, elected public officials, excavators, and students throughout the Region.</p> | \$72,711.95 |
| Utah | Bear River Water Conservatory District | <p>GEOGRAPHIC INFORMATION SYSTEM (GIS) MAPPING AND PIPELINE RISK ASSESSMENT</p> <p>The Bear River Water Conservatory District proposes to complete a GIS-driven risk assessment and develop an asset management system to better understand the risks associated with the hazardous liquid pipelines within the District and how to educate themselves and the public to enhance public safety. The applicant will prepare evacuation zone and hazardous liquid pipeline evaluation maps, which includes evacuation routes and evacuation zones to enhance pipeline emergency response capabilities. The applicant will also build a GPS database to map the hazardous liquid pipelines to improve emergency response capabilities and will also conduct a public outreach campaign to promote the Call 811 effort.</p> | \$98,900.00 |
| Utah | City of Mount Pleasant | <p>GIS MAPPING AND PIPELINE RISK ASSESSMENT</p> <p>The City of Mount Pleasant proposes to complete a GIS-driven risk assessment and develop an asset management system to better understand the risks associated with the hazardous pipelines in the City and how to educate themselves and the public. The City of Mount Pleasant will prepare evacuation zone and hazardous material pipeline evaluation map, which includes evacuation routes and evacuation zones to enhance pipeline operations level emergency response capabilities. The City of Mount Pleasant will also build a GPS database to map the hazardous liquid pipelines to improve emergency response capabilities and will also conduct a public outreach campaign to promote the risk assessment.</p> | \$98,900.00 |

| | | | |
|------------|-----------------------|--|-------------|
| Washington | Pipeline Safety Trust | OUTREACH AND EDUCATION PROJECT The PST proposes to provide outreach and pipeline safety education to Washington state local governments. The applicant will develop and deliver tailored pipeline safety presentations to 15 local government legislative councils, planning commissions, and local emergency planning committees where there are hazardous liquid and natural gas pipelines in their jurisdiction. Through 2017 surveys conducted of local government in Washington with pipelines, PST received requests from about 30 jurisdictions to receive more information on basic pipeline safety. | \$30,468.34 |
|------------|-----------------------|--|-------------|

Hazardous Materials Instructor Training (HMIT) Grants

PHMSA is awarding \$3,752,000 in Hazardous Materials Instructor Training (HMIT) grants. PHMSA’s HMIT grant and its Supplemental Public Sector Training grant collectively fund prevention and response activities. HMIT grants fund the training of instructors who then train private-sector hazardous materials employees. HMIT grants are open to non-profit hazmat employee organizations demonstrating expertise in conducting train-the-trainer programs for employees. The Moving Ahead for Progress in the 21st Century Act (MAP-21) authorized DOT/PHMSA to offer the grant to all non-profit organizations that demonstrate expertise in conducting a training program for hazmat employees and the ability to reach and involve, in a training program, a target population for hazmat employees. PHMSA is authorized to obligate up to \$4 million in FY 2019 for program purposes (See 49 U.S.C. §§ 5107(e) and 5128(c)).

| State | Agency/Award Recipient | Project Description | Amount |
|-----------|---|--|-----------|
| Florida | Sustainable Workplace Alliance | SWA proposes to conduct 106 core Hazardous Materials Instructor Training (HMIT) training days in 25 cities across the United States and its Territories. A total of 854 hazmat employees are projected to be trained. The core HMIT training will be delivered in a train-the-trainer format and is comprised of five separate modules as follows: <ol style="list-style-type: none"> 1. Hazmat Security Instructor Training 2. Hazardous Materials Instructor Training 3. First Responder Awareness for Instructors 4. First Responder Operations (FRO) for Instructors 5. FRO Teaching Techniques for Instructors | \$793,970 |
| Maine | National Partnership for Environmental Technology Education | NPETE proposes to train 520 employees in two courses to be offered in many different locations, including many rural communities and larger cities that host 2 6USC 1400z-1 Opportunity Zones: 1) a 24-hour DOT Hazmat Regulations Course in accordance with 49 CFR § 172.704 (HMR); and 2) online pre-training recommendation. The pre-training recommendation for the DOT Hazmat Regulations course is intended for students who have not taught DOT Hazmat or do not have direct work experience with DOT Hazmat Regulations. | \$579,320 |
| Minnesota | Minnesota State University Mankato | MSUM proposes to use a regional training programs in rural and geographically convenient locations to train 325 instructors over the course of a 5-day program. MSUM will partner with the Dangerous Goods Training Association and Labelmaster to ensure that a target audience of hazmat instructors is reached. | \$657,710 |

| | | | |
|----------------|--|--|-----------|
| Ohio | International Chemical Workers Union Council | ICWUC proposes to train 275 workers in two major activities that include: 1) the development of instructor trainers who can teach DOT material covered by 49 CFR 172; and 2) the direct delivery of DOT Toolbox materials. The program and this proposal concentrates on the Hazardous Material Regulations (HMR) general awareness with a familiarity of the HMR, recognition of hazardous materials, and measures to protect employees. | \$441,000 |
| Texas | Texas A&M Engineering Extension Service | To address the problem of undeclared hazardous materials being shipped on the U.S. roadways putting the lives of first responders and the general public at risk, TEEX proposes a train-the-trainer program that focuses on both understanding the HMR and recognizing and identifying hazardous materials. The proposed HMIT course will minimize the incidents of undeclared hazardous materials being offered in commerce which will reduce the number of undeclared incidents and protect the health and safety of carrier operators, responders, and the public. A total of 600 students will be trained. | \$530,000 |
| Washington, DC | Short Line Safety Institute | SLSI proposes to provide 275 workers at small railroads with train-the-trainer training, direct employee training, functional exercises, and functional drills. SLSI will train those in attendance on the required HMR in 49 CFR part 172. | \$750,000 |

SPST Grant Program

PHMSA is awarding \$1,938,000 in Supplemental Public Sector Training (SPST) grants. PHMSA’s SPST grant and its Hazardous Materials Instructor Training grant collectively fund prevention and response activities. SPST grant funding is provided to national nonprofit fire service organizations for the purpose of training instructors to conduct hazardous materials response training programs for individuals with statutory responsibility to respond to hazardous materials accidents and incidents. Since FY 2000, PHMSA has provided SPST grants to increase the number of hazmat training instructors available to conduct training programs for local responders. The SPST Grant Program was created under P.L. 103–311, August 26, 1994 and PHMSA is authorized to obligate up to \$1 million of FY 2019 funds;¹ however, accounting for the sequester rate of 6.2 percent,² the amount of FY 2019 funds available to award has been reduced to \$938,000. The Consolidated Appropriations Act, 2019, P.L. 116-6, allows PHMSA to use recovered prior-year funds to carry out grant activities under 49 U.S.C 5116(a)(1)(C) and 49 U.S.C. 5116(i). Using said funds, PHMSA increased the available funding by \$1 million to a total of \$1,938,000.

| State | Agency/Award Recipient | Project Description | Amount |
|----------------|--|---|-------------|
| Washington, DC | International Association of Fire Fighters | <p>Proposes to educate emergency responders about strategies to safeguard their health and safety, and reduce occupational deaths and injuries related to hazardous materials and weapons of mass destruction response, so they can better protect the communities they serve.</p> <p>The IAFF proposes to deliver:</p> <ul style="list-style-type: none"> • Nine Train the Trainer Programs • 11 Supportive Teaching Sessions • 16 Portable Training Classes • Training Course – Number of Deliveries: 36 <p>Projected Number of Students: 850 Contact Hours: 45,600</p> | \$1,938,000 |

¹ See 49 U.S.C. §§ 5116(i) and 5128(b)(4)).

² Emergency Preparedness Grants are sequestered pursuant to the Budget Control Act of 2011 as described in the OMB Sequestration Preview Report to the President and Congress for Fiscal Year 2019, February 12, 2018.

Assistance for Local Emergency Response Training (ALERT) Grants

PHMSA is awarding \$1,300,000 in Hazardous Materials Assistance for Local Emergency Response Training (ALERT) grants. The ALERT Grant Program is designed to assist local emergency responders to recognize and respond to flammable liquid by rail transportation emergencies. The ALERT Grant Program targets non-profit organizations representing regional public-private partnerships. The organizations must be able to provide direct or web-based training to individuals responsible for responding to accidents and incidents involving hazardous materials. The training will focus on response activities related to the transportation of crude oil, ethanol, and other flammable liquids by rail. The Consolidated Appropriations Act, 2019, P.L.116-6, authorizes PHMSA to use money recovered from prior year Hazardous Materials Emergency Preparedness (HMEP) grant awards to fund the ALERT Grant Program.

| State | Agency/Award Recipient | Project Description | Amount |
|----------------|---|---|-----------|
| Kentucky | Center for Rural Development | CRD proposes to continue its successful delivery format of a face-to-face, hands-on training courses, brought directly to any rural community, to train approximately 2,000 volunteer and/or rural emergency responders. For those who absolutely cannot attend a hands-on delivery, a web-based version of the course will be available. | \$900,000 |
| Virginia | International Association of Fire Chiefs | The IAFC will utilize its FY 2019 funds by training over 3,000 responders in the following specialized courses: 1) Online Rail Response Training 2) Regional Rail Response Training; 3) ILT- Regional Rail Response Training; and 4) HazMat Tabletop w/ Rail Scenario Exercise | \$300,000 |
| Washington, DC | Transportation Community Awareness and Emergency Response | TRANSCAER proposes to train 3,100 responders through: 1) ethanol safety seminars; 2) flammable liquids tabletop exercises; 3) online flammable liquids training; and 4) on the go training via USB flash drives distributed at hazmat seminars and conferences. | \$100,000 |

Hazardous Materials Emergency Preparedness (HMEP) Grant

PHMSA is awarding \$20,624,744 in Hazardous Materials Emergency Preparedness (HMEP) grants to states, territories and Native American tribes to enhance their emergency response capabilities when dealing with hazardous materials related transportation incidents. The grants, authorized under 49 USC 5116, will assist each recipient in performing their hazardous materials response duties and aid in the development, implementation, and improvement of emergency plans for local communities and training for emergency responders to help communities prepare for a potential hazardous materials transportation incident. The HMEP program uses a discretionary formula for States and Territories and a competitive application process for Native American tribes. The formula is based on census data, the number of hazmat incidents, the severity of hazmat incidents, and the estimated costs of incidents.

| State | Agency/Award Recipient | Amount |
|-------------|--|-------------|
| Alabama | Alabama Emergency Management Agency | \$563,948 |
| Alaska | Alaska Department of Environmental Conservation | \$148,238 |
| Arizona | Arizona Department of Environmental Quality | \$270,818 |
| Arkansas | Arkansas Department of Emergency Management | \$373,103 |
| California | California's Governor's Office of Emergency Services | \$1,014,395 |
| Colorado | Colorado Department of Public Safety and the Division of Homeland and Emergency Management | \$452,408 |
| Connecticut | Connecticut Department of Energy and Environmental Protection | \$166,456 |
| Delaware | Department of Emergency Management Agency | \$106,609 |
| Florida | Florida Division of Emergency | \$642,170 |
| Georgia | Georgia Emergency Management and Homeland Security Agency | \$447,755 |
| Hawaii | Hawaii Department of Health, Hazard Evaluation and Emergency Response Office | \$127,836 |
| Idaho | Idaho Office of Emergency Management | \$174,356 |
| Illinois | Illinois Emergency Management Agency | \$684,539 |

Pipeline and Hazmat Safety Grants FY19

| | | |
|----------------|---|------------|
| Indiana | Indiana Department of Homeland Security | \$549,591 |
| Iowa | Iowa Homeland Security and Emergency Management Department | \$393,325 |
| Kansas | Kansas Division of Emergency Management | \$326,539 |
| Kentucky | Kentucky Emergency Management | \$384,478 |
| Louisiana | Louisiana State Police | \$571,653 |
| Maine | Maine Emergency Management Agency | \$129,422 |
| Maryland | Maryland Emergency Management Agency | \$320,269 |
| Massachusetts | Massachusetts Emergency Management Agency | \$290,223 |
| Michigan | Michigan Department of State Police | \$293,920 |
| Minnesota | Minnesota State Fire Marshal Division | \$413,759 |
| Mississippi | Mississippi Emergency Management Agency | \$408,884 |
| Missouri | Missouri State Emergency Management Agency | \$357,419 |
| Montana | Montana Disaster and Emergency Services Division | \$265,861 |
| Nebraska | Nebraska Emergency Management Agency | \$208,624 |
| Nevada | State Emergency Response Commission | \$179,579 |
| New Hampshire | New Hampshire Department of Safety, Division of Homeland Security and Emergency Management | \$109,380 |
| New Jersey | New Jersey State Police - Hazardous Materials Response Unit | \$ 371,831 |
| New Mexico | New Mexico Department of Homeland Security and Emergency Management Hazardous Materials Program | \$217,379 |
| New York | Division of Homeland Security and Emergency Services | \$457,668 |
| North Carolina | North Carolina Emergency Management | \$467,754 |
| North Dakota | North Dakota Department of Emergency Services | \$515,693 |
| Ohio | Ohio Emergency Management Agency | \$751,209 |
| Oklahoma | Oklahoma Department of Emergency Management | \$411,609 |

Pipeline and Hazmat Safety Grants FY19

| | | |
|----------------|---|-------------|
| Oregon | Oregon Office of State Fire Marshal | \$251,600 |
| Pennsylvania | Pennsylvania Emergency Management Agency | \$828,487 |
| Rhode Island | Rhode Island Emergency Management Agency | \$126,370 |
| South Carolina | South Carolina Emergency Management Division | \$260,773 |
| South Dakota | South Dakota Office of Emergency Management | \$143,249 |
| Tennessee | Tennessee Emergency Management Agency | \$624,007 |
| Texas | Texas Department of Public Safety, Division of Emergency Management | \$1,500,000 |
| Utah | Office of the State Fire Marshal | \$277,614 |
| Vermont | Vermont Division of Fire Safety | \$127,895 |
| Virginia | Virginia Department of Emergency Management | \$338,347 |
| Washington | Washington State Military Department | \$313,882 |
| West Virginia | West Virginia Division of Homeland Security and Emergency Management | \$319,423 |
| Wisconsin | Wisconsin Emergency Management | \$363,317 |
| Wyoming | Wyoming Office of Homeland Security | \$164,282 |
| American Samoa | American Samoa Department of Homeland Security | \$67,148 |
| Guam | Guam Environmental Protection Agency | \$69,580 |
| Puerto Rico | Department of Natural and Environmental Resources Environmental Emergency Response Area | \$176,244 |
| Tribes | | |
| Alaska | Kawerak, Inc. | \$152,296 |
| Arizona | Inter-Tribal Council of Arizona | \$223,513 |
| California | Agua Caliente Band of Cahuilla Indians | \$14,250 |
| California | San Manuel Band of Missions Indians | \$20,300 |
| Florida | Seminole Tribe of Florida | \$248,800 |

Pipeline and Hazmat Safety Grants FY19

| | | |
|------------|--|---------------------|
| Idaho | Nez Perce Tribe | \$37,412 |
| Minnesota | Leech Lake Band of Ojibwe | \$168,752 |
| Nevada | Paiute-Shoshone Tribe of the Fallon Reservation and Colony | \$64,532 |
| New Mexico | Pueblo of Laguna | \$94,011 |
| New York | Saint Regis Mohawk Tribe | \$79,960 |
| | | \$20,624,744 |

Community Safety Grants (CSG)

PHMSA is awarding \$800,000 as part of its Community Safety Grant Program. The grant, authorized by the Fixing America’s Surface Transportation (FAST) Act, allows PHMSA to provide funding to nonprofit organizations to conduct national outreach and training programs to assist communities in enforcing hazardous materials regulations and preparing for and responding to accidents and incidents involving the transportation of hazardous materials, including Class 3 flammable liquids. The grant focuses specifically on the training of state and local personnel responsible for enforcing the transportation of hazardous materials, giving priority to nonprofit organizations that have the existing capacity to reach and train a huge quantity of these personnel throughout the country.

| State | Agency/Award Recipient | Project Description | Amount |
|----------|------------------------------------|---|-----------|
| Florida | The Sustainable Workplace Alliance | The Sustainable Workplace Alliance proposes to conduct a “Whole Community” plan for hazmat transportation emergency preparation and response. The proposed project will focus on conducting national outreach and training programs to assist communities in preparing for and responding to accidents and incidents involving the transportation of hazardous materials, including Class 3 flammable liquids by rail. Specific focus will be given to rural communities. Additionally, SWA will collect, publish and widely distribute best practice guidance on ways to connect with and increase awareness of state and local emergency responders, appropriate Federal, state, local and tribal government organizations, and the general public of hazardous materials being transported through communities. It is estimated that 780 students will be trained. | \$250,000 |
| Maryland | Commercial Vehicle Safety Alliance | The Commercial Vehicle Safety Alliance proposes to conduct the following training activities: 1) Conduct a series of Regional Cooperative Hazardous Materials Enforcement Development (COHMED) Training Sessions to expand accessibility of hazardous materials training opportunities to state and local enforcement jurisdictions who cannot attend the annual COHMED conference; 2) Conduct direct delivery training sessions, upon request; 3) Develop issue specific webinars; 4) Develop and update training videos; 5) Develop in-service/refresher training for state enforcement personnel; 6) Provide additional hazardous materials training at the annual North American Inspectors Championship; 7) Expand use and ongoing maintenance of the Learning Management System (LMS) to foster classroom and online training and certification; and 8) Provide subject matter expertise to assist roadside inspectors. | \$250,000 |

| | | | |
|----------|--|---|-----------|
| Virginia | International Association of Fire Chiefs | The IAFC will provide its recently developed “Whole Communities Planning for Disaster” training to communities, which provide education on the types of hazardous materials that move in each specific community. Additionally, the IAFC will engage with Local Emergency Planning Committees (LEPC) on the borders of Canada and Mexico to assess their use of commodity flow information as a planning tool. The IAFC will review and provide effective practices and tools for the LEPCs to employ if gaps exist in their acquisition or utilization of the commodities. Additionally, the border LEPCs will receive Whole Communities Trainings and education on proper identification of hazardous materials with proper United Nations and North American (UN/NA) Placards and Markings references. | \$300,000 |
|----------|--|---|-----------|
