

**UNITED STATES DEPARTMENT OF ENERGY**



**WHITE HOUSE INITIATIVE ON EDUCATIONAL EXCELLENCE FOR HISPANICS**

**Objective 1.1.10: Communication:**

Provide information on Agency's targeted outreach, collaboration, etc...in areas of early care and learning, parental engagement and wraparound services for Hispanic children.

**Department/Agency: U.S Department of Energy**

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
1. Spanish version of DOE's <i>Get Current</i> coloring book	Official Launch: December 3, 2014	Young Spanish-speaking children (pre-K to 2 <sup>nd</sup> grade);	Young Spanish-speaking children (pre-K to 2 <sup>nd</sup> grade)		Office of Energy Efficiency and Renewable Energy energyliteracy@ee.doe.gov	The Spanish coloring book has not yet been officially announced, but several members within DOE have already shown interest in receiving copies to distribute to their Hispanic education contacts.

**Objective 2.1.6: Data, Grant and Funding Models:**

Identify grant opportunities, programs, etc...benefitting Hispanic STEM education, with a specific focus on Hispanic Serving Institutions (HSI's).

**High Priority Performance Goal or Program Goal 2: K-12 EDUCATION – STEM****Other Programs/Projects/Initiatives:**

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
<p>1. Washington, DC Regional Science Bowl</p> <p>The Washington, DC Regional Science Bowl competition is usually held in February. Winners of the Washington, DC middle/high school science bowl competition represents DC at the National Science Bowl competition held in late April- early May in Chevy Chase, MD</p>	(Annually)	All students in middle and high school are eligible to participate in the science bowl competitions.	Currently, we do not keep metrics on the number of students from various ethnic groups to participate in the competitions.	N/A	<p>Office of Minority Education and Community Development</p> <p>Chester Scott <a href="mailto:Chester.Scott@hq.doe.gov">Chester.Scott@hq.doe.gov</a></p>	<p>a Expose middle and high school students to STEM concepts and competitions.</p> <p>b Increase awareness of STEM and energy related careers and activities</p>
<p>2. Minority Educational Institution Student Partnership Program (MEISPP) High School component</p>	Annually- as of 2004	10	N/A	Approximately \$100,000 per year	<p>Office of Minority Education and Community Development:</p> <p>Amanda Quiñones <a href="mailto:amanda.quinones@hq.doe.gov">amanda.quinones@hq.doe.gov</a></p>	<p>1. Expose high school students to the Department of Energy programs</p> <p>2. Begin the STEM workforce development pipeline</p>
<p>3. Geothermal Annual Student Competition - GeoEnergy is Beautiful</p> <p>Five student teams will be selected to design and create a communications and outreach strategy throughout an eight-week interactive project period, for final review on May 30th, 2014</p>	Annually	N/A	N/A	N/A	<p>Oak Ridge Institute for Science and Education:</p> <p>Desmond Stubbs <a href="mailto:desmond.stubbs@ornl.gov">desmond.stubbs@ornl.gov</a></p>	Student teams from leading colleges and universities and high school seniors are invited to create concepts for high-quality, high-impact infographics and outreach materials that combine accurate, technical information with clear, data-backed messages and aesthetic appeal
<p>4. National Annual Junior Solar Sprint/Hydrogen Fuel Cell Car Competitions</p> <p>Solar- and battery- car competitions that race for Middle School teams from all around Colorado. Teams work together to build cars with guidance from a parent, teacher, or coach to compete in race and design categories. A "Spirit Award" is also presented to one team recognizing good sportsmanship</p>	Annually	N/A	N/A	N/A	<p>National Renewable Energy Laboratory</p> <p>Marcus Giron <a href="mailto:Marcus.Giron@nrel.gov">Marcus.Giron@nrel.gov</a></p>	N/A

**Objective 2.1.7: Communication:**  
Provide information on Agency’s STEM efforts, grant opportunities and federal –level resources through targeted outreach, identify opportunities for collaboration and raising awareness in the Hispanic community about the benefits of STEM education.

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
1. Student Tours of the Department of Energy Groups of students (K-12 or university) visit the Department of Energy to learn about available programs and activities	Year-round	N/A	N/A	N/A	Office of Minority Education and Community Development  Chester Scott <a href="mailto:Chester.Scott@hq.doe.gov">Chester.Scott@hq.doe.gov</a>	1. Students participate in hands-on energy demonstrations and leave with an understanding of energy fundamentals

**Objective 2.2.5: Data, Grant and Funding Models:**  
Identify grant opportunities, programs, etc...benefitting educators and school districts such as Teacher Incentive Grant, with a specific focus on those benefitting HSI’s.

**High Priority Performance Goal or Program Goal 2: K-12 EDUCATION – Teacher Recruitment and Education**

**Other Programs/Projects/Initiatives:**

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
<b>1. Teacher Training Sessions</b> May 2014 was the first “train the teacher workshop” and 8 teachers participated in the inaugural event. The program was advertised based on relationships established with the Office of the Superintendent of Washington, DC. (Chancellor Henderson’s office).	May 2, 2014 – Ongoing	8 Teachers	Currently, we do not capture ethnicity.	None	Office of Minority Education and Community Development  Chester Scott <a href="mailto:Chester.Scott@hq.doe.gov">Chester.Scott@hq.doe.gov</a>	a. Provide elementary school teachers with hands-on, interactive demonstration modules to incorporate in their classrooms.  b. Each teacher should train fellow educators on how to implement energy modules.
<b>2. Albert Einstein Distinguished Educator Fellowship (AEF)</b> DOE participates in the AEF. The program provides a unique opportunity for accomplished K-12 educators in the STEM fields to serve in the national education arena	Ongoing	N/A	N/A	N/A	Office of Science Workforce Development for Teachers and Scientists <a href="mailto:SC.Einstein@science.energy.gov">SC.Einstein@science.energy.gov</a>	Fellows spend eleven months working in a Federal agency or in a U.S. Congressional office sharing their extensive knowledge and experience in the classroom to education programs and/or policy efforts.
<b>3. Teach and Learn Resources</b> Free online resource for teachers and parents to present energy,	Ongoing	Open source information-infinite number	N/A	N/A	The Office of Energy Efficiency and Renewable Energy <a href="http://www1.eere.energy.gov/educ">http://www1.eere.energy.gov/educ</a>	Present material in an easily digestible and fun format that keeps kids engaged in the modules and

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climate, and related discussion topics to K-12 students		of consumers			<a href="#">ation/lessonplans/</a>	curious about energy
4. <b>The Harnessed Atom</b> Middle school science, technology, engineering, and math (STEM) curriculum extension that focuses on nuclear science and energy	Ongoing	Open source information-infinite number of consumers	N/A	N/A	The Office of Nuclear Energy <a href="mailto:harnessedatom@nuclear.energy.gov">harnessedatom@nuclear.energy.gov</a>	Offers teachers accurate, unbiased, and up-to-date information on the roles that energy and nuclear science play in our lives  Curriculum includes essential principles and fundamental concepts of energy science

**Objective 2.3.6: Data, Grant and Funding Models:**

Identify grant opportunities, programs, outreach efforts etc...that address family engagement in the Hispanic community.

**High Priority Performance Goal or Program Goal 2: K-12 EDUCATION – Family Engagement**

**Other Programs/Projects/Initiatives:**

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
<p><b>1. DOE Energy Literacy Initiative – English and Spanish versions of the Energy Literacy Framework</b></p> <p>The Energy Literacy Framework (document) was translated into Spanish in order to broaden the reach of these fundamental energy concepts to diverse populations who may not have had access to the information in its original format/language.</p> <p>In the span of one year (Sept 2013 to Sept 2014), over 13,000 copies of the English Energy Literacy Framework were shipped to educators and organizations across the country. The download page has been visited over 4,000 times since May 2012.</p>	<p>This is an ongoing initiative.</p> <p>Both versions of the Energy Literacy Framework (guiding document for energy educators) are available online and in print, and will be updated approximately once annually.</p> <p>The original English version was released in May 2012. The first Spanish version was released in May 2014.</p>	<p>The Energy Literacy Framework is intended for energy educators to adapt for their students of any age (pre-K to adulthood).</p>	<p>The Spanish version of the document was created in order to reach a wider audience of Spanish-speakers.</p>	<p>N/A</p>	<p>Office of Energy Efficiency and Renewable Energy</p> <p>Joshua Sneideman  <a href="mailto:Joshua.Sneideman@EE.Doe.Gov">Joshua.Sneideman@EE.Doe.Gov</a></p>	<p>The goal of this initiative is to develop a more energy-literate public that is aware of the nature and role of energy in the world and their daily lives, and can apply this understanding to answer questions and solve problems.</p> <p>Since June 2014, the download page for the Spanish version of Energy Literacy has been visited 1,000 times.</p> <p>As an announcement of the translated version of the document, the Office of Energy Efficiency and Renewable Energy (EERE) released its first ever Spanish and English blog post on June 8, 2014. Since then, EERE has written 3 other blog posts in Spanish and plans to continue releasing Spanish language posts every month or two.</p>
<p>2. Washington, DC Regional Science Bowl</p>	<p>Annually</p>	<p>N/A</p>	<p>(Same as above). Currently, do not capture ethnicity</p>	<p>N/A</p>	<p>Office of Minority Education and Community Development</p> <p>Chester Scott  <a href="mailto:Chester.Scott@hq.doe.gov">Chester.Scott@hq.doe.gov</a></p>	<p>a. Expose middle and high school students to STEM concepts and competitions</p> <p>b. Increase students’ STEM awareness and interest in energy related careers and activities</p>
<p>3. Brookhaven National Laboratory STEM-Prep Summer Institute (SPSI)</p>	<p>SPSI is a 3 week summer session held annually. Existed as MHSAP in early 90’s</p>	<p>Approx. 20 students total participate every summer</p>	<p>Average 35% of group identify as Hispanic</p>		<p><a href="http://www.bnl.gov/education/program.asp?q=127">http://www.bnl.gov/education/program.asp?q=127</a></p> <p>Kahille Dorsinvil                      Brookhaven National Laboratory                      Bldg.400 – P.O. Box 5000</p>	<p>Offers research enrichment to students who are an under-represented minority (African ancestry, Hispanic/Latino, Native American, or Pacific Islander).</p>

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					Upton, NY 11973-5000 631-344-5197 (phone) 631-344-7098 (fax) <a href="mailto:dorsinvil@bnl.gov">dorsinvil@bnl.gov</a>	
4. The Pacific Northwest National Laboratory's Student Research Apprenticeship Program (SRAP)	N/A	N/A	N/A	N/A	<a href="http://science-ed.pnnl.gov/students/precollege/srap.stm">http://science-ed.pnnl.gov/students/precollege/srap.stm</a>  General Questions on STEM Education: <a href="mailto:Lavonne.Boler@pnnl.gov">Lavonne Boler</a> (509) 375-3738 <a href="mailto:Marisela.Linares-Mendoza@pnnl.gov">Marisela Linares-Mendoza</a> (Work-Based Learning Programs) (509) 371-7645	A research-based educational internship experience for high school students who are members of ethnic groups traditionally underrepresented in science and engineering (Hispanic, African American, or Native American in ethnic origin).

**Objective 2.4.7: Funding and Grant Opportunities:**  
Identify funding and grant opportunities, federal level resources (e.g. student aid efforts,) available to HSI's and Hispanic families.

**High Priority Performance Goal or Program Goal 2: K-12 EDUCATION – College Access**

**Other Programs/Projects/Initiatives:**

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
Alfred Street Baptist Church College and Career Fair  Students from the DC Maryland and Virginia area are eligible to participate in the annual event. Students interact with DOE personnel to learn about internship and career opportunities at DOE	N/A	500 high school students from the Washington, DC metropolitan area. All ethnic groups are impacted because they have an opportunity to meet with potential schools, employers to discuss future plans.	The program does not capture this data.	None	Office of Minority Education and Community Development  Chester Scott <a href="mailto:Chester.Scott@hq.doe.gov">Chester.Scott@hq.doe.gov</a>	Recruit interns for DOE intern programs

**Objective 3.1.7: Internship and Fellowships:**

Identify internship and fellowship opportunities available to HIS's and Hispanic students.

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
1. Minority Educational Institution Student Partnership Program	Ongoing Internship period: May – August of each year	80	Data was not previously collected. Will begin collecting data in 2015	Stipends up to \$500 per week	Office of Minority Education and Community Development  Amanda Quiñones <a href="mailto:Amanda.quinones@hq.doe.gov">Amanda.quinones@hq.doe.gov</a>	<ul style="list-style-type: none"> <li>8 or 10-week summer internship program targeted to students attending Minority Serving Institutions</li> <li>Will place 80 high school, college and graduate students in 2014.</li> <li>Since its inception, the program has placed over 400 students.</li> </ul>
2. Mickey Leland Energy Fellowship Program  10-week summer internship program for STEM students with interest in Fossil Energy	Ongoing Internship period: June – August of each year	N/A	N/A	Stipends of \$600-\$850, depending on educational attainment	Office of Fossil Energy <a href="mailto:MLEF@hq.doe.gov">MLEF@hq.doe.gov</a>	Goal is to improve opportunities for minorities and female students, but all are welcome to apply
3. Nuclear Energy University Program (NEUP)- Student Educational Support NEUP funds nuclear energy research and equipment upgrades at U.S. colleges and universities, and provides student educational support	Ongoing	N/A	N/A	Graduate fellowships are \$50,000 a year over three years; \$5,000 one year scholarships	Office of Nuclear Energy <a href="http://NEUP.GOV">http://NEUP.GOV</a>	Offer scholarship and fellowship support to students studying nuclear science, engineering, or a related major
4. Office of Science Workforce Development for Teachers and Scientists	Ongoing	N/A	N/A	N/A	Office of Science- Workforce Development for Teachers and Scientists  <a href="http://science.energy.gov/wdts/">http://science.energy.gov/wdts/</a>	<ol style="list-style-type: none"> <li>Help ensure that DOE and the Nation have a sustained pipeline of highly skilled and diverse science technology, engineering, and mathematics (STEM) workers.</li> <li>This is accomplished through support of undergraduate internships, graduate fellowships and visiting faculty programs at the DOE laboratories</li> </ol>
5. DOE Scholars Program	Ongoing (summer internships available May – Aug)	N/A	N/A	\$600 per week depending on education	<a href="http://energy.gov/jobs/services/students-recent-graduates/stipend-based-internships">http://energy.gov/jobs/services/students-recent-graduates/stipend-based-internships</a>	Introduces students and recent graduates to DOE's mission and operations.
6. EERE Student Volunteer Internship Program	Year round opportunities	Open to all U.S. citizen students	Approximately 30% of summer 2014	Local transportation subsidy.	Energy Efficiency and Renewable Energy/Workforce Management Office	These volunteer internships provide opportunities for students to learn through:

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<p>Intern placement opportunities are at Washington, D.C., headquarters (HQ) office and the Golden Service Center (GCS) within the Golden Field Office at Golden, Colorado.</p>		<p>enrolled in high school, trade school, technical or vocational institute, junior college, college, university, or comparable recognized educational institution.</p>	<p>intern placement</p>		<p><a href="http://www.energy.gov/eere/student-volunteer-internship-program-svip">http://www.energy.gov/eere/student-volunteer-internship-program-svip</a>  Othalene.lawrence@ee.doe.gov</p>	<ul style="list-style-type: none"> <li>• Direct experience working directly with energy experts and professional to complement their academic endeavors.</li> <li>• Obtaining on the job Federal Government experience.</li> <li>• Providing students with skills to effectively compete for positions.</li> <li>• Professional networking with experts within the energy community on a local, national and global level.</li> <li>• Increasing competitiveness for other fellowship, scholarship, internship and career opportunities.</li> </ul>

**Objective 3.1.8: Workforce Diversity:**

Identify programs that inform all communities, including Hispanics, of employment opportunities in the agency.

Strategic Activity	Timeframe	Total Population Served	Hispanics Served (Explain metrics)	Funding	Driver/Contact Info	Performance Outcomes
<b>1. Minorities in Energy Initiative (MIE)</b>  Initiative links together academia, industry, government and nonprofits to discuss the economic impact, challenges and opportunities in the energy sector for minorities and underserved communities	Launched September 2013	N/A	N/A	N/A	Office of Economic Impact and Diversity <a href="mailto:diversity@energy.gov">diversity@energy.gov</a>	MIE Initiative seeks to empower, equip, and prepare businesses, communities, schools, and individuals to benefit from the technical, procurement, engagement, workforce, and energy literacy resources of the Department of Energy and the energy sector overall
<b>2. HC Recruitment Activities</b>	Ongoing	N/A	N/A	N/A	Office of Human Capital Management  Rauland Sharp <a href="mailto:Rauland.Sharp@hq.doe.gov">Rauland.Sharp@hq.doe.gov</a>	a. Attend recruitment events targeted at Veterans and people with disabilities b. Advertise current vacancies at these fairs in hopes of filling vacancies. c. Some positions in high demand, like contract specialists, can be filled via the direct hire process