

Minorities in Energy - Year One Anniversary Forum



November 18, 2014



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Dear Stakeholder:

On behalf of the Department of Energy (DOE), I am pleased to welcome you to our Minorities in Energy (MIE) Year One Anniversary Forum. Since the launch of MIE, significant engagement and collaboration have occurred between stakeholders focusing on STEM education/workforce development, energy economic development, and climate change. We started this incredible dialogue, and we have sustained the momentum of MIE through strategic planning and well-defined actions to support and advance opportunities for underrepresented Americans in energy.

Today, we gather our DOE leaders, MIE Ambassadors and Champions, and public-private partners to celebrate a successful first year for the Initiative. We will continue the forward march of progress through MIE to fully engage the diversity of Americans in the energy sector.

Sincerely,

LaDoris "Dot" Harris
Director
Office of Economic Impact and Diversity



November 18, 2014

Dear Stakeholder:

The wealth of genius, creativity, and innovation that drives the United States is powered by our diverse perspectives and backgrounds. The breadth of our ideas, talents, and experiences has fueled an historic legacy of American ingenuity. In keeping with that great legacy, the mission of the Department of Energy (DOE) is to ensure America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions. To fulfill our mission, DOE must harness the full range of talent the U.S. has to offer.

Through our Minorities in Energy Initiative, DOE is working to cultivate a diverse, well-trained energy workforce by fully engaging minority communities in the energy sector through science, technology, engineering and math (STEM) training for a clean energy economy and environmental stewardship. We are connecting with communities at national and local levels to improve participation in STEM education at all stages of learning, hosting workforce development summits, providing resources and guidance to entrepreneurs, and inspiring the rising generation of scientists and engineers who will improve lives and drive economic growth.

Diversity is our strength, derived from our ideas, cultural heritage, and experiences. As we celebrate the first anniversary of the Minorities in Energy Initiative, our inclusive approach will continue to be our cornerstone as we work with stakeholders like you to build our future energy workforce.

Ernest J. Moniz
Secretary
U.S. Department of Energy

MINORITIES IN ENERGY - YEAR ONE ANNIVERSARY FORUM

NOVEMBER 18, 2014

8:00am-9:00am

Registration and continental breakfast

9:00am

Welcome/Introductions

Mistress of Ceremonies Randa Fahmy Hudome
Former U.S. Associate Deputy Secretary of Energy

Presentation of Colors

Joint Services Color Guard

Flag Song

Dennis Zotigh

Opening Remarks

The Honorable LaDoris "Dot" Harris
Director, Office of Economic Impact and Diversity
Department of Energy

Special Remarks

The Honorable Ernest Moniz
Secretary of Energy

Marillyn A. Hewson
Chairman, President & Chief Executive Officer
Lockheed Martin Corporation

Broderick Johnson
Assistant to the President and Cabinet Secretary
Chair, My Brother's Keeper Task Force

The Honorable Bobby Rush, Congressman-Illinois
Honorary Minorities in Energy Ambassador

The Honorable Eddie B. Johnson, Congresswoman-Texas
Honorary Minorities in Energy Ambassador

9:45am-9:50am

Introduction of the Minorities in Energy Ambassadors

Nina Davuluri
Minorities in Energy Ambassador
Miss America 2014

9:50am-10:05am

Energy, Jobs and the Future of America

Marc Morial
President of the National Urban League

10:05am-10:50am

Minorities in Energy Ambassadors Roundtable

Moderator:

Jack Gerard
President & CEO, American Petroleum Institute

Panelists:

Emily Duong, External Vice President, Mid Atlantic Union of Vietnamese Students Association
Michelle Holiday, President, Michelle Holiday and Associates
The Honorable Hazel O’Leary, Former Secretary of Energy
Susan Taylor, Founder/CEO of the National CARES Mentoring Movement
Trent Tucker, District Athletic Director of Minneapolis Public Schools and former NBA Champion

10:50am-11:45am

Energy Economic Development Panel

The unprecedented growth in domestic energy production can provide opportunities to expand participation of minority businesses in the energy sector. Lower and more stable natural gas price levels have contributed to a revitalization of domestic manufacturing and contributed to job and business growth. The Department of Energy invests \$12 billion annually in research and development and has produced more than 18,000 patents available for licensing. Given this tremendous economic opportunity in the energy sector, this panel will discuss models and best practices for increasing opportunities for minority businesses and communities of color.

Moderator:

Alejandra Castillo, Administrator, Minority Business Development Agency

Panelists:

Frank Armijo, Vice President of Energy Solutions, Lockheed Martin’s Information Systems
Tim Jones, Presidential Innovation Fellow, U.S. Department of Energy
Emmett Vaughn, Director of the Office of Diverse Business Empowerment, Exelon
Denita Willoughby, Regional Vice President, Sempra Energy

11:50am -12:45pm

Climate Change Panel

Findings of the National Climate Assessment as well as the forecast for expected economic activity driven by climate change mitigation and resilience will be presented. Panelists will discuss the challenges facing communities of color to build capacity to prepare for coming impacts, efforts underway at the local level to advance mitigation and resilience, and the economic development and workforce opportunities related to climate change.

Moderator:

Rodney Ellis, MIE Ambassador and Texas State Senator 13th District

Panelists:

Mike Carr, Principal Deputy Assistant Secretary, DOE’s Office of Energy Efficiency and Renewable Energy

Fernando Cazares, MIE Ambassador, Regional Coordinator, Natural Resources Defense Council
Colby D. Duren, Legislative Associate, National Congress of American Indians
Gwendolyn Fleming, Chief of Staff to the Administrator, Environmental Protection Agency
Frank Niepold, Vice President of U.S. Global Climate Change Research Program

12:45pm-1:45pm

Lunch

1:45pm-1:55pm

Introduction of MIE's Industry Partners

Dot Harris
Director, Office of Economic Impact and Diversity

1:55pm-2:05pm

STEM With No Root Bears No Fruit

Dr. Christopher Emdin
Associate Professor in the Department of Mathematics, Science and Technology
Columbia University

2:05pm-3:10pm

STEM Education/Workforce Development Panel

This panel will discuss how to increase the number of minority students involved in STEM education at the K-12, community college and four-year college levels. It will also examine the workforce development needs for the sixty percent of the energy sector that do not require four-year degrees.

Moderator:

Janice Bryant Howroyd, MIE Ambassador and Founder & CEO, ACT-1

Panelists:

Brad Markell, Executive Director, AFL-CIO Industrial Union Council

Dr. Irving McPhail, MIE Ambassador and President, National Action Council for Minorities in Engineering

Ann Randazzo, Executive Director, Center for Energy Workforce Development

Dr. Les Shephard, Director, Texas Sustainable Energy Research Institute, University of Texas at San Antonio

Ian Steinberg, Transformation Leader, IBM

3:10pm-3:20pm

Rollout of the MIE Strategic Plan

Jody TallBear
Strategic Initiatives and Policy Advisor (Acting)
Office of Economic Impact and Diversity

3:25pm-3:35pm

Modeling the Way

Dot Harris
Director, Office of Economic Impact and Diversity

3:40pm-3:50pm

Closing Remarks-DOE

Kevin Knobloch
Chief of Staff
Office of the Secretary of Energy

3:50pm-4:00pm

Closing Remarks-Lockheed Martin

Stephanie C. Hill
Vice President & General Manager
Lockheed Martin's Information Systems & Global Solutions Civil Business

4:00pm-5:30pm

Cake Cutting, Reception and Tour of the Global Vision Demonstration Centers

Lockheed Martin Corporation
6801 Rockledge Drive Bethesda, MD 20817



Marillyn A. Hewson
Chairman, President and Chief Executive Officer

Dear Colleagues:

Congratulations to the Department of Energy (DOE) on a successful first year of the Minorities in Energy Initiative. We're thrilled to be part of this important celebration and honored to host you at the Lockheed Martin Global Vision Center.

At Lockheed Martin, we're pleased to team with business, government, academia, and non-profit leaders to attract more Americans to energy science, technology, engineering, and math careers in the energy sector and other critical fields.

Guided by the strong vision of the DOE's Office of Economic Impact and Diversity, we're united in our mission to inspire energy entrepreneurship, while adapting to and mitigating the effects of climate change. Through our shared efforts and the implementation of sensible energy policies, we're promoting the nation's economy and building on America's legacy of innovation in energy.

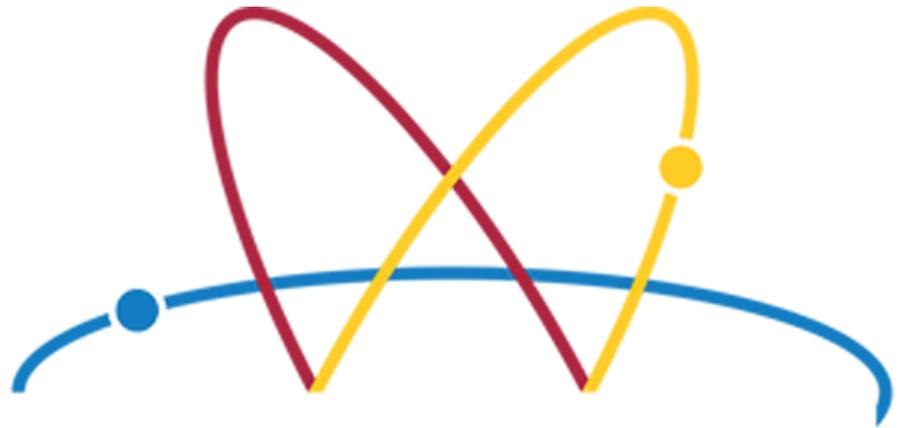
The Initiative aligns with Lockheed Martin's mission as an advanced technology company – and we understand its importance in maintaining international security and advancing sustainability for future generations.

Again, we're excited to join with the Department of Energy and all of you in this significant endeavor. Thank you for your commitment to the Minorities in Energy Initiative and congratulations once again on the significant impact you made in the first year.

Sincerely,

A handwritten signature in black ink that reads "Marillyn A. Hewson".

Marillyn A. Hewson



YEAR ONE IN REVIEW



Over the course of my career, I've seen closed doors open and glass ceilings broken. Much has changed — but there is more we can do to inspire the next generation to pursue pathbreaking opportunities. DOE's Minorities in Energy Initiative will contribute to our vital ongoing effort to build an inclusive workforce that will keep America on the cutting edge.



The Honorable Elizabeth Sherwood Randall
Deputy Secretary
U.S. Department of Energy

The Department of Energy's (DOE) historic legacy is rooted in the Manhattan Project, an era of bold ideas and big science. Today, DOE is the largest supporter of basic research in the physical sciences in the United States, operates a network of 17 national laboratories with world-class scientific, technological and engineering capabilities, and is at the forefront of executing President Obama's Climate Action Plan. DOE has evolved to merge the public interest with government and the private sector to drive economic growth, environmental cleanup, and national security through transformative science, innovation, and energy sector opportunities for all Americans.

In July 2013, Secretary of Energy Ernest Moniz tasked DOE's Office of Economic Impact and Diversity (ED), under the leadership of Director Dot Harris, to assess the engagement of minority communities in the energy sector. Director Harris charged her team to assemble a broad group of stakeholders from across academia, nonprofits, government, and business to gather their input on how to develop a sustainable framework for achieving enduring growth of minority participation in the energy sector. Minority and tribal groups also contributed to the dialogue by providing community specific challenges and opportunities related to their participation in energy. This collaborative effort was the beginning of the Minorities in Energy Initiative (MIE). After several weeks of meeting with stakeholders and analyzing the over \$6 trillion energy industry, Director Harris selected energy economic development, science, technology, engineering, and math (STEM) education, and climate change as the MIE focus areas.

DOE understands that when the Nation prioritizes STEM education, it will equip minorities and women with the necessary skills to capitalize from the economic development available from the expected job growth in energy. From 2007 to 2012, total U.S. private sector employment grew by more than one million jobs, an increase of one percent. During this same period, jobs in the oil and natural gas industry increased by more than 162,000 jobs, a 40 percent increase. While there are numerous employment opportunities for all Americans in energy, this sector and the science and engineering workforce remain largely white and male. American demographic trends, developing markets, technological innovations, and the resulting career opportunities underscore the importance of increasing minority participation in energy economic development.

The 2006 National Academies report titled, "Expanding Underrepresented Minority Participation: America's Science and Technology Talent at the Crossroads", demonstrated the United States' demographic challenges with regard to its science and engineering workforce. The report included a number of recommendations and strategies, and the recommendation essential to the MIE initiative articulates that "diversity is an asset" in improving STEM education attainment and expansion of the STEM workforce. According to the report, "Increasing the participation and success of underrepresented minorities in science and engineering (S&E) contributes to the health of the nation by expanding the S&E talent pool, enhancing innovation, and improving the nation's global economic leadership." Energy economic development and climate change will likely complement each other. As Christine LaGarde, the International Monetary Fund's Managing Director put it, "climate change will create jobs. It will create disasters before it creates jobs, but it will create jobs." MIE aligns the efforts in support of STEM education, economic development, and climate change.

The Minorities in Energy Initiative was launched by Secretary Moniz on September 24, 2013, in conjunction with DOE's Hispanic Heritage Month celebration. These events were combined to highlight the Hispanic population, which, at 17 percent is the Nation's largest ethnic minority. Joining Secretary Moniz and Director Harris at the kick-off was Dr. S. James Gates, University of Maryland physics professor and member of the President's Council on Science and Technology, Jack Gerard, American Petroleum Institute President and CEO, Senator Mary Landrieu, former Energy Secretary Hazel O'Leary, Michael Rencheck, President and CEO, AREVA Inc., and a host of other key energy leaders.

During his opening remarks, Secretary Moniz noted that it is no secret that women and minorities are underrepresented in the energy field. Without action, this trend is only going to get worse. America's demographics are shifting. Today, the majority of children under the age of one are minorities. Economists expect 2.4 million job openings in STEM between now and 2018. These are high paying jobs that will not get outsourced or shipped overseas. Our first priority is to make sure that our schools and universities are preparing the next generation of DOE employees, utility workers, engineers, and business leaders. Currently, women and minorities make up 70 percent of college students, but only 45 percent of undergraduate STEM degree holders. This is a business imperative, a diversity imperative, and a moral imperative. If the United States wants to be competitive, we need to produce 1 million more college graduates in STEM fields. That is an annual increase of 34 percent. Secretary Moniz delivered these remarks to more than 200 people who also participated in a day long program that provided candid and critical comments, highlights, challenges, and recommendations to fully engage minorities in the energy sector opportunities.

On November 12, 2013, the White House Forum on MIE provided another strategic discussion on the initiative and its implementation. During this forum, Secretary Moniz announced the Minorities in Energy Ambassadors and Champions. Over 20 leaders from industry, government, academia and nonprofits committed to lend their voices and vision to inform and inspire Americans about the critical need for greater diversity in STEM professions, energy entrepreneurship, and climate change mitigation and resilience. Today, the number of Ambassadors and Champions has grown to over 30. Ambassadors are external to the Department and Champions are DOE employees.

On November 19, 2013, the Congressional Forum on MIE brought together Congressional leaders to discuss support for energy sector opportunities for minority communities. Members of Congress who participated included Representatives Bobby Rush, Joe Garcia, Eddie B. Johnson, Mike Honda, Ben Ray Lujan, Chaka Fattah, Grace Napolitano, and Senator Lisa Murkowski. They joined the Department in reiterating that the challenges to minorities fully participating in STEM and energy economic development need to be addressed and opportunities provided.

Over the course of the three initial forums, the Department gained diverse perspectives and technical expertise on addressing the challenges to, and raising awareness of, the opportunities in the MIE focus areas. Director Harris led a comprehensive effort to compile information needed to build the foundation for MIE. She selected several operational pillars necessary to advance MIE goals. The most important pillars are the creation of a formal mechanism to address cross-cutting energy concerns impacting minorities and a means to make recommendations to the Secretary of Energy on implementing improved policies, procedures or requirements to realize access and engagement for these communities by the Department and its stakeholders.

In implementing MIE, the Office of Economic Impact and Diversity is working closely with the Minority Business Development Agency (MBDA) to increase access to the energy supply chain and economic impact with minority businesses. Beginning in the Gulf Region, ED is focusing its supplier diversity efforts to expand opportunities for diverse businesses in mega energy projects. This place-based initiative includes an outreach strategy with community stakeholders, business resource centers, and training institutions to ensure a diverse pipeline of businesses, students and workforce. ED's Lab-to-Market activities also focused attention on DOE's National Labs and the opportunities to diversify technology transfer and commercialization opportunities. These efforts maximize our partnership with MBDA by providing entrepreneurial and training resources to position and increase diverse businesses in technological innovation in the energy sector and will serve as the framework for future projects.

The recommendations from the forums and the activities since July 2013 have served to steer MIE's path forward. Specific steps for STEM education include better academic preparation, access and motivation, financial aid, academic support, mentoring and social integration. Recommendations for improving energy economic development include energy supply chain opportunities for minority business enterprises, access to Lab-to-Market activities, and increasing minority access to job-driven training. Recommendations regarding climate change include looking carefully at how humans and businesses are using the earth's resources, how we think about the future, and how we are going to adapt.

One year later, MIE continues building momentum through public engagement, education, partnerships, and using energy industry data analysis to develop an inclusive energy driven agenda.

LAYING THE FOUNDATION FOR MINORITIES IN ENERGY



LAYING THE FOUNDATION FOR MINORITIES IN ENERGY



PUTTING MINORITIES IN ENERGY INTO ACTION

Hampton University's President William Harvey accompanies Secretary Ernest Moniz to a treatment room at the University's Proton Therapy Institute.



The Office of Economic Impact meets with Fluor project managers to learn how Fluor plans to use diverse businesses in their Louisiana projects.

MIE Champion John Moon at Asian Americans Government Executives Network conference.



Director Harris delivered a keynote speech on diversity followed by a panel style question and answer session on "Women in the Workforce" panel at the National Air & Space Intelligence Center (NASIC), Wright Patterson Air Force Base in Dayton, OH.



PUTTING MINORITIES IN ENERGY INTO ACTION

High School Energy Summer Institute (HESI) 2014 students participated in papermaking workshop using sustainable practices.



MIE Champion Josh Sneideman promoting energy literacy at the USA festival.



Director Harris delivered a keynote speech at Hispanic Engineering, Science and Technology Week (HESTEC) "Latina Day" in Edinburg, TX to 10th grade female students and their mothers. As part of Latina Day, mothers and daughters visited the campus and heard from prominent women executives and motivational speakers who share their life stories, encouraging the moms to support their daughters in dreaming big, taking risks and having faith that they too can contribute to the world someday.



Director Harris delivered a keynote address to 400-500 middle school girls at Invent It. Build It. Parent/Educator Program (PEP). She shared her experiences to becoming an engineer as a source of inspiration for the middle and high school girls in attendance.



PUTTING MINORITIES IN ENERGY INTO ACTION

Director Harris delivered the keynote address at the Groundbreaking Ceremony for its first utility scale solar farm – 510 REPP One. This ceremony celebrated the initial build-out of a renewable energy facility which will generate 1.4 megawatts of utility scale power in Gaston, North Carolina.



Brown Middle School Mentees First Visit to Clark Atlanta University Campus from MIE Ambassador Susan Taylor's National CARES Mentoring Program.



Director Harris delivered a keynote speech at the Space and Naval Warfare Systems Center Atlantic SPAWAR Systems Center Atlantic (SPAWAR) STEM Event at the College of Charleston Science Center in Charleston, SC. to inspire, attract and empower girls to explore STEM majors and careers.



PUTTING MINORITIES IN ENERGY INTO ACTION

Director Harris visited Lake Charles, LA to co-host a meeting with the City of Lake Charles to bring together industry, local government, community leaders, and educational institutions to discuss supplier diversity issues and opportunities related to the mega energy projects planned for Southwest Louisiana. The trip also consisted of a tour of the Sabine Pass LNG facility and follow up meetings in Lafayette, Louisiana and New Orleans, Louisiana.



Congressman Rubèn Hinojosa speaking at the acclaimed Hispanic Engineering, Science and Technology (HESTEC) Week.



Director Harris gave opening remarks and participated on a panel at the 2014 STEM Education Summit, "STEM and the Arts" STE(A)M in Spartanburg, SC.



PUTTING MINORITIES IN ENERGY INTO ACTION

Hampton University student poses a question on STEM careers at the Department of Energy during Secretary Ernest Moniz's meeting with students at Hampton University.



Jody TallBear, DOE, spoke at the "Nuclear Energy and Engineering Day" at Kansas State University. The event was sponsored by AREVA to expose minority and tribal high school students to education and career opportunities in the Nuclear energy sector.

Director Harris joined by MIE Ambassadors Robert Gee and Emily Duong at AE2C Conference.



Secretary Moniz and Director Dot Harris with the 2014 Minority Educational Institutions Student Partnership (MEISPP) Interns.

Director Harris joined MIE Ambassador Janice Howroyd and participated in a STEM and Entrepreneurship Education roundtable event at California State San Bernardino campus in San Bernardino, CA.



PUTTING MINORITIES IN ENERGY INTO ACTION

Director Harris delivered the keynote speech at the STEM Think Tank & Conference-“The STEM Connection – Developing Skills, Creating Relationships” at Harpeth Hall School in Nashville, TN.

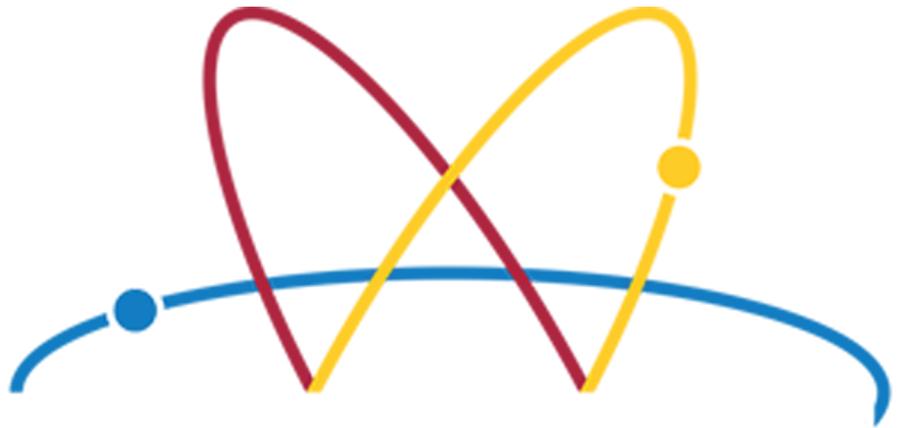


Director Harris delivered a keynote address at the KIPP Douglass School and Volt Energy Ribbon Cutting ceremony in Washington, DC. The Douglass Campus houses a total of four high-performing schools and serves 1,378 students from pre-kindergarten through twelfth grade. Director Harris definitely inspired the students there, as well as encouraged all of the companies involved in the project to continue to engage in private-public partnerships that benefit all communities.



Director Harris served as a delegate to Sec. Moniz on his trip to Algeria. Director Harris served as the moderator for the panel “Empowering the Next Generation: Connecting African Nations and the United States through Technical Instruction and Exchanges” in Ethiopia.





AMBASSADORS CHAMPIONS

"The Ambassadors are key leaders in industry, government, academia, and nonprofits who are committed to lending their voices and vision to inform and inspire Americans about the critical need for greater diversity in STEM professions, energy entrepreneurship, and climate change adaptation and mitigation."



The Honorable Dr. Ernest J. Moniz
Secretary
U.S. Department of Energy

HONORARY AMBASSADORS



The Honorable Joe Garcia was elected to the United States House of Representatives in 2012. He is a dedicated public servant who has called South Florida home for his entire life. Congressman Garcia put himself through Miami Dade College and later the University of Miami where he completed his undergraduate studies. After graduating UM Law School, Governor Lawton Chiles appointed Congressman Garcia to the Florida Public Service Commission (PSC), the state agency regulating utilities. Serving under both Democratic and Republican governors, he helped usher in the single largest energy rate cut in Florida's history—meaning lower electricity bills for Florida's families through the 1990's. In 2009, President Obama appointed Garcia to serve as a director in the Department of Energy where he focused on lowering energy costs for America's families and greater access to renewable sources of energy.



The Honorable Eddie Bernice Johnson is serving her 11th term representing the 30th Congressional District of Texas. In December 2010, Congresswoman Johnson was elected as the first African-American and the first female Ranking Member of the House Committee on Science, Space and Technology. From 2000 to 2002, she was the Ranking Member of the Subcommittee on Research and Science Education. Congresswoman Johnson continues to emphasize the need to invest in science, technology, engineering and math (STEM) education. Congresswoman Johnson is a current member of the House Transportation and Infrastructure Committee and has been since being elected in 1992. She is also the highest ranking Texan on this committee. Congresswoman Johnson also presently serves on the Aviation Subcommittee, Highways and Transit Subcommittee and Water Resources and Environment Subcommittee. Congresswoman Johnson received a bachelor's degree in nursing from Texas Christian University in 1967. She received a master's degree in public administration from Southern Methodist University in 1976. Congresswoman Johnson is the first nurse to be elected to the U.S. Congress.



Senator Mary Landrieu has been fighting and winning for Louisiana since she was first elected to the Louisiana state legislature at the age of 23. After serving eight years as a state representative and two terms as State Treasurer, in 1996 she became the first woman from Louisiana elected to a full term in the U.S. Senate.

Senator Landrieu is currently the Chair of the Senate Committee on Energy and Natural Resources, chair of the Appropriations Subcommittee on Homeland Security and a member of the Homeland Security and Governmental Affairs and Small Business and Entrepreneurship committees. The nonpartisan Congress.org has ranked Senator Landrieu as the tenth most effective legislator in the Senate.



The Honorable Lisa Murkowski is the first Alaskan-born Senator and only the sixth United States Senator to serve the state. Since joining the Senate in 2002, Senator Murkowski has been a strong advocate for Alaska on the important issues facing the state, including energy, health care, education, military/veterans' affairs and infrastructure development. Only the 33rd female to serve in the United States Senate since its founding in 1789, Senator Murkowski has assumed leadership roles quickly. She is the senior Republican member of the Senate Energy and Natural Resources Committee and also serves on the Senate Appropriations Committee, where she is the ranking Republican of the Interior and Environment Subcommittee.

Senator Murkowski is a member of the Senate Health, Education, Labor and Pensions Committee – the first Alaskan to serve on that panel – and also is a senior member of the Senate Indian Affairs Committee. She earned a B.A. in economics from Georgetown University in 1980 and a law degree from Willamette University in 1985.



The Honorable Bobby Rush spent most of his life fighting for everyday people. He believes that the constitutional promise of equality, liberty, and justice for all Americans must be upheld to make our nation strong. He has represented the First Congressional District of Illinois for almost two decades. U.S. Rep. Bobby L. Rush is a transcendent American leader who keeps his legislative and policy interests sharply focused on the needs of his constituents — especially the most vulnerable. He believes in the redemptive power of the human spirit. He believes in human ingenuity and tenacity. He knows the power of a made up mind. As a member of Congress, Rush stands on the shoulders of a long line of patriots and public servants who have gone before him and who are ardent believers in our Constitution. His

life is an example of our nation's fundamental promise and his work reflects a deep determination to bend the arc of government resources and innovation towards the needs of every American.

AMBASSADORS



Fernando Cázares is the Regional Coordinator of the Natural Resources Defense Council. Cázares has worked with Voces Verdes, a Latino leadership engagement project of the Natural Resources Defense Council (NRDC). In this capacity, he helped double the number of recruited leaders from business, medical and public health, civil rights and engagement, youth and community sectors to support the EPA's Clean Power Plan to limit carbon emissions from coal power plants. He put together engagement opportunities for leaders to express their support through opinion editorials, google hangouts, speeches at press events, testifying at hearings, and recognizing business leadership in promoting energy efficiency and clean renewable energy. In his current role, he is working to identify the greatest impact opportunities in Southern California for NRDC to assist cities, local jurisdictions, and community leaders in lowering their greenhouse gas emissions to fight climate change and advance regional equity.



Nina Davuluri was crowned Miss America 2014. Nina became the second consecutive contestant from New York and the first contestant of Indian descent to win the Miss America Competition. As Ms. America 2014, she will travel approximately 20,000 miles each month speaking to audiences about her platform, Celebrating Diversity through Cultural Competency. As part of this campaign, she has launched "a new social media campaign to encourage constructive and civil dialogue on diversity issues." Nina is a graduate of University of Michigan and plans on attending medical school. During her year as Miss America she will serve as spokesperson for STEM (Science, Technology, Engineering, and Mathematics). Davuluri has asked people to "forward representative thoughts and stories about their experiences on how we as a nation can advance cultural awareness." Nina hopes to encourage other to be proud of their heritage, while accepting each and every culture.



Emily Duong is the 2013 Pacific Miss Asian America entering the international platform for the Miss Asia World Pageant representing the United States. She received degrees in Communications and Business Administration from George Mason University's School of Social Science and Humanities and plans pursue a career in medicine. Ms. Duong is highly involved in the national Asian-American community holding executive and leadership position run by students and alumnus to promote academia, cultural awareness, empowerment, and philanthropy for humanity through scholarships and cultural exchange. She is an active community organizer for the Mid-Atlantic Union of Vietnamese Students Association (MAUVSA) and has been invited to speak at universities and conferences across the country. Her goal to bridge the gap between diverse cultures of the world serves to spread a positive influence for the next generations to come.



Sarah EchoHawk is the Chief Executive Officer of the American Indian Science and Engineering Society (AISES) and is an enrolled member of the Pawnee Nation of Oklahoma. Before joining the American Indian Science and Engineering Society (AISES), she worked for First Nations Development Institute (First Nations) for six years. During her tenure with First Nations, she served as the Director of Development and Communications and most recently held the position of Executive Vice President. Prior to her tenure at First Nations, Ms. EchoHawk worked for the American Indian College Fund, raising support for tribal colleges. During her tenure Ms. EchoHawk worked in program management, communications, foundation relations and individual giving. Ms. EchoHawk holds a Master of Nonprofit Management (M.N.M.) degree from Regis University and earned her undergraduate degree in Political Science and Native American Studies from Metropolitan State University of Denver. She attended law school at the University of Colorado and has completed graduate coursework in applied communication at the University of Denver.



Senator Rodney Ellis representing District 13 in the Texas State Senate. Senator Ellis has passed over 600 pieces of legislation and is recognized nationally for his leadership on increasing greater access to college for high-achieving Texas students, championing criminal justice reforms to protect the innocent and hold the guilty accountable, and fighting to provide quality affordable health care to the most vulnerable Texans, and many other issues. Senator Ellis is the proud founder of the Texas Legislative Internship Program (TLIP). Since TLIP's inception, it has become the largest legislative internship program in the state and has provided nearly 400 young people the opportunity to develop hands-on skills while making a difference in Texas politics and public policy. Senator Ellis is the current Chairman of the Senate

Committee on Open Government, which investigates how to improve the transparency of state government. He is a member of the Senate State Affairs, Natural Resources, and Transportation committees. In past sessions, he chaired the Senate Finance, Jurisprudence, Government Organization, and Intergovernmental Relations committees.



Christopher Emdin Ph.D. is an Associate Professor at Teachers College at Columbia University where he also serves as Director of Science Education at the Center for Health Equity and Urban Science Education. He was previously a Caperton Fellow and Hip-Hop Archive Fellow at the Hutchins Center at Harvard University, and was recently selected to be a STEM Access Champion of Change by the White House. Dr. Emdin is the founder of the Science Genius project and the #HipHopEd social media movement – each of which explore the intersections of hip-hop culture and education. He is author of the award winning book, *Urban Science Education for the Hip-Hop Generation*.



Robert W. Gee is President of the Gee Strategies Group LLC, a consulting firm providing policy analysis, advocacy, and litigation support services for the energy, utility and critical infrastructure industries based in Washington, D.C. His diverse client base includes investors, trade associations, utilities, and public sector institutions. From 1997 to 2000 he served as Assistant Secretary for Policy and International Affairs and as Assistant Secretary for Fossil Energy of the U.S. Department of Energy in Washington, D.C. He chaired the Energy Department's Central Asia/Caspian energy strategy, and oversaw the national research program for oil and gas and advanced clean coal technologies. He currently serves as President of Asian Americans in Energy, the Environment, and Commerce (AE²C); as a member of the Development Advisory Board of C12 Energy; and as member of the Board of the Northeast-Midwest Institute. He is also a member of the National Petroleum Council, a federal advisory committee to the US Secretary of Energy.



Jack Gerard is President and CEO of the American Petroleum Institute, the national trade association that represents all aspects of America's oil and natural gas industry. Gerard has led API since November 2008, expanding its membership and influence in all 50 states and globally, adding offices in Dubai and Singapore to its operations in Beijing, enabling API to better inform the public and policymakers on important energy issues. API's Washington presence is the foundation for the oil and natural gas industry's advocacy and outreach at state, federal and global levels on public policy, standards and certification programs, and as the source for information on industry best practices. Prior to joining API, Gerard served as president and CEO of the American Chemistry Council, and earlier held the same position at the National Mining Association. Gerard also spent close to a decade working in the U.S. Senate and House.



Mauro Gregorio is President of the Energy Solutions business of The Dow Chemical Company, which includes Energy; Oil, Gas & Mining; and Alternative Energy. He is responsible for driving profit and growth strategies across those four global business units. Previously, Gregorio served in a dual role in Dow's Performance Plastics division. He was business vice president for the global Hygiene & Medical business and commercial vice president for North America. Since then, he has served in numerous leadership roles, including vice president for Plastics in Europe, global business director for Alternative Feedstocks; global business director for Engineering Plastics; director of the Plastics Commercial Distribution Channels in North America and product director for High Density Polyethylene and Propylene in Latin America.

Gregorio earned a Bachelor of Science degree in chemical engineering from Escola de Engenharia Maua in Brazil and a Master of Business Administration degree from Northwood University in Michigan.



Michelle L. Holiday is the Founder and President of Michelle Holiday and Associates, a Native woman-owned consulting company specializing in tribal energy and economic development, stakeholder relations, government relations/federal affairs, permitting and siting transmission projects, public affairs and communications, project management, and strategic planning. Michelle has had an expansive career advising senior executives as their subject matter expert on energy policy, utilities, business strategy and tribal matters. During her time with Edison International and Southern California Edison (SCE), she held various management positions in their government affairs, public affairs, customer service, and equal opportunity departments allowing her to work on energy policy, large transmission and renewable

projects, stakeholder engagement and diversity initiatives. Today Michelle is at the forefront of tribal energy development and works with a number of Native American tribes and organizations, utilities, and energy industry organizations. She also sits on the board of the National Center for American Indian Enterprise Development (NCAIED) and serves on the board of Walking Shield Inc.



Janice Bryant Howroyd is the Founder and CEO of the ACT•1 Group, a global leader in deploying talent and resource management solutions. Today ACT•1 is leading the industry as the largest staffing agency in America that is woman/minority-owned. She is a strong advocate for balance of education and entrepreneurship in the workforce. Active industry involvement gives her a unique understanding of the challenges faced by global workers and business owners alike. She is also the author of *The Art of Work: How to Make Work, Work for You!*, in which she distills over 30 years of experience into a work/life balance guide for individuals wishing to further their personal and professional success. ACT•1 has a strong and successful history of DESIGNING workforce technologies. We work with the largest energy companies and scholarship minorities. The ACT•1 Group influences minority access to professional careers with energy companies.



Freeman A. Hrabowski, III, has served as President of The University of Maryland, Baltimore County (UMBC) since 1992. His research and publications focus on science and math education, with special emphasis on minority participation and performance. He chaired the National Academies' committee that produced the recent report, *Expanding Underrepresented Minority Participation: America's Science and Technology Talent at the Crossroads*. He also was recently named by President Obama to chair the newly created President's Advisory Commission on Educational Excellence for African Americans. In 2008, he was named one of America's Best Leaders by U.S. News & World Report, which ranked UMBC the nation's #1 "Up and Coming" university the past five years (2009-13). In 2012, he received the Heinz Award for his contributions to improving the "Human Condition" and was among the inaugural inductees into the U.S. News & World Report STEM Solutions Leadership Hall of Fame.



Randa Fahmy Hudome has more than twenty-five years of legal and public policy experience. In 2003, Randa launched Fahmy Hudome International (FHI), a strategic consulting firm which provides critical advice and counsel to Fortune 500 companies, foreign governments, media organizations, and private sector entities with an interest in international business transactions and energy policy. Prior to founding FHI, Ms. Fahmy Hudome was appointed by President George W. Bush to serve as the United States Associate Deputy Secretary of Energy. Working with the White House and the Departments of State and Commerce, she developed and implemented international energy policy. Randa was also the point person at the U.S. Department of Energy for increased advocacy on behalf of American energy companies seeking business around the globe. Prior to her government service, Randa was a practicing attorney with the law firm of Willkie, Farr and Gallagher, where she specialized in the areas of international trade and corporate litigation.



Marie C. Johns has been a leader in business, civic and government service for more than 30 years. Throughout her career, Ms Johns focused her community service in the areas of education and economic development. She held senior positions in the telecommunications industry, including serving as President of Verizon Washington. She is highly regarded for her corporate citizenship including the Students Educated for Economic Development Success (SEEDS) program. The SEEDS program leverages corporate resources for greater community good and allows drop outs to complete their high school requirements and receive technical training for jobs in the telecommunications industry. Over 200 students were employed as a result of the SEEDS program. In 2009, Marie was nominated by President Barack Obama to serve as Deputy Administrator of the U.S. Small Business Administration (SBA). Following her Senate confirmation, she was responsible for management of the nearly \$1 billion agency and development of SBA programs and policies.



Dr. Irving Pressley McPhail is the sixth President and Chief Executive Officer of the National Action Council for Minorities in Engineering, Inc. (NACME). He joined NACME in 2007 as executive vice president and Chief Operating Officer. Dr. McPhail founded and served as principal of The McPhail Group LLC. He also served 15 years as a college president or chancellor of colleges and universities in Baltimore, MD, Saint Louis, MO and Memphis, TN. Under his leadership, The Community College of Baltimore County was named one of 12 Vanguard Learning Colleges in the U.S. and Canada in 2000 by the League for Innovation in the Community College and was awarded the PBS O'Banion Prize for Leading the Way to Change in Teaching and Learning in 2003. He earned a bachelor's degree in development sociology at Cornell

University and a master's degree in reading at the Harvard Graduate School of Education. He earned the doctorate in reading/language arts at the University of Pennsylvania as a National Fellowships Fund Fellow.



Gary M. Mignogna served as the Vice President and U.S. regional deputy of Engineering at AREVA Inc. starting in 2010, and was named Senior Vice President of the Engineering & Projects U.S. business group in 2012. With AREVA, Mignogna has built a body of experience in engineering design and analyses, project engineering, product management, field services, services tooling and equipment design, component and welding engineering, business development, and product line management. He started AREVA's Engineering qualification program – modeled after INPO's program – and is the founding sponsor of the Voyager rotational program for up-and-coming leaders in engineering. Additionally, Mignogna is on the AREVA Federal Services Management Board, Executive Board of the SGT LLC (an AREVA and

URS company), and ADZ JV (an AREVA and Day & Zimmermann company). Mignogna has been a member of the Nuclear Strategic Issues Advisory Committee since 2007, a member of Nuclear Energy Institute's Materials Executive Oversight Group from 2003 to 2009, and on the Industrial Advisory Board of Old Dominion University's Applied Research Center for Lasers and Plasmas for Advanced Manufacturing (in conjunction with the National Science Foundation) from 2002 to 2005. He has also held numerous positions on non-profit boards, and is currently on the University of North Carolina Charlotte's Lee College of Engineering Leadership Academy Advisory Board and the Board of Trustees of the Academy of Fine Arts in Lynchburg, VA. Mignogna earned bachelor's and master's degrees in Mechanical Engineering from Drexel University, and holds a master's degree in Business Administration from Lynchburg College.



Diana Natalicio was named president of the University of Texas at El Paso (UTEP) in 1988. Dr. Natalicio has served as vice president for academic affairs, dean of liberal arts, chair of the modern languages department and professor of linguistics. During Dr. Natalicio's tenure as president, UTEP's enrollment has grown from 14,971 to more than 23,000 students, more than 78% are Mexican American. Dr. Natalicio has chaired the board of the American Council on Education, and served on the board of trustees of the Rockefeller Foundation, the board of governors of the U.S.-Mexico Foundation for Science, the NASA Advisory Committee (NAC), the boards of the Association of Public and Land-grant Universities, Trinity Industries, National Action Council for Minorities in Engineering, Sandia Corporation and Internet2, and was appointed by President George H.W. Bush as a member of the Advisory Commission on Educational Excellence for Hispanic Americans. Initially appointed to the National Science Board by President Bill Clinton in 1994, she served two six-year terms as a Board member and three two-year terms as the NSB's vice chair. A graduate of St. Louis University, Dr. Natalicio earned a master's degree in Portuguese and a doctorate in linguistics from The University of Texas at Austin.



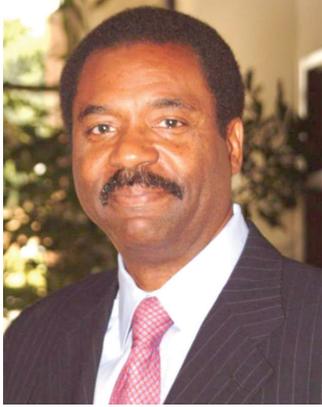
The Honorable Hazel R. O'Leary served as the President of Fisk University in Nashville, Tennessee from 2004 through February 2013 and currently serves on the boards of directors of the Nashville Alliance for Public Education, Nashville Business Community for the Arts, World Wildlife Fund, Arms Control Association and CAMAC Energy Inc. Ms. O'Leary served as an Assistant Attorney General and Assistant Prosecutor in the state of New Jersey and was appointed to the Federal Energy Administration under President Gerald Ford and to the U.S. Department of Energy under President Jimmy Carter. In 1989, she became Executive Vice President for Environmental and Public Affairs for the Minnesota Northern States Power Company and in 1992 she was promoted to President of the holding company's gas distribution subsidiary. Ms. O'Leary served as the United States Secretary of Energy from 1993 to 1997 and as President and Chief Operating Officer for the investment banking firm Blaylock and Partners in New York from 2000 to 2002.



The Honorable Bill Richardson sought the Democratic nomination for President of the United States in 2008. He recently completed his second term as Governor of New Mexico in January 2011. Richardson was elected Governor in 2002 and re-elected in 2006 with the support of 69 percent of voters, representing the largest margin of victory for any Governor in state history. Prior to being elected governor, Richardson enjoyed a very successful and fulfilling career in public service; academia and the private sector-few can match his wide-ranging experience and his level of dedication to protecting the rights and improving the quality of life of people in New Mexico, the United States and around the world. Richardson served for 15 years in northern New Mexico representing the 3rd Congressional District. Richardson served in 1997 as the U.S. Ambassador to the United Nations, and in 1998, he was unanimously confirmed by the U.S. Senate as Secretary of the U.S. Department of Energy.



Carmichael Roberts, Ph.D. joined North Bridge Venture Partners in 2007. His scientific expertise positioned the firm to capitalize on breakthroughs in chemistry and materials. Carmichael Roberts started his career as a technologist. He moved into business and subsequently to entrepreneurship and venture capitalism, exploring ways to finance those businesses. As co-founder and chairman of the nonprofit Diagnostics For All, one of a series of collaborations with Harvard professor George Whitesides, he is developing paper-based diagnostics to provide inexpensive options to marginalized patients globally. Previously, Carmichael co-founded and served as the President and Chief Executive Officer of Arsenal Medical, a company that develops foam and fiber materials that heal localized trauma to tissues and organs. He has co-founded several other ventures, including Nano-Terra, an electronics and industrial materials company and 480 Biomedical, a medical materials company that makes a bioresorbing product to treat arterial disease. In 1999 he was named one of the world's top 100 young entrepreneurs by MIT's Technology Review.



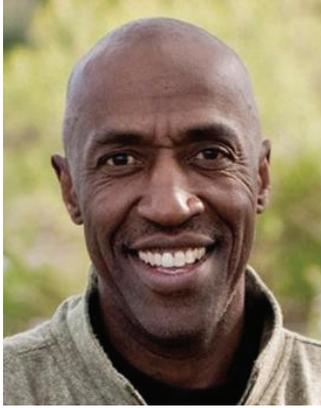
David Steward is the Chairman and Founder of World Wide Technology (WWT). WWT is a market-leading systems integrator and supply chain solutions provider. Started in 1990, with a handful of employees and a 4,000 square foot office, WWT posted its strongest year to date in 2013, with over 2,500 employees and two and a half million-plus sq. ft. of facilities and annual revenues exceeding \$6 billion. Mr. Steward is the Council Board Chair for the Greater St. Louis Area Council Boy Scouts of America, as well as the BSA President of the Central Region and a Central Region Executive Board Member; he is Chairman Emeritus of Variety the Children's Charity of St. Louis. Serves on the boards of Webster University, United Way of Greater St. Louis, St. Louis Science Center, Barnes Jewish Hospital, St. Louis Regional Commerce

and Growth Association, Civic Progress of St. Louis, the Board of Curators for the University of Missouri School System and more. He is also a member of the Horatio Alger Association. Mr. Steward graduated from Central Missouri State University.



Susan L. Taylor is the Founder and CEO of the National CARES Mentoring Movement. After 27 years at the helm of Essence magazine, Taylor left publishing to devote her life to building the National CARES Mentoring, founded as Essence CARES. The National CARES mission is to help end inter-generational poverty by securing and transforming the lives of under-resourced Black children. National CARES affiliates recruit caring adults to serve as mentors and role models at local youth-serving organization. The national group-mentoring programs focus on the emotional, social and academic development of children and the wellness of the adults who parent and mentor them. National CARES is piloting The Rising: An HBCU—Public Schools Literacy and STEM- Mentoring Initiative®. Now in development at Clark Atlanta University and

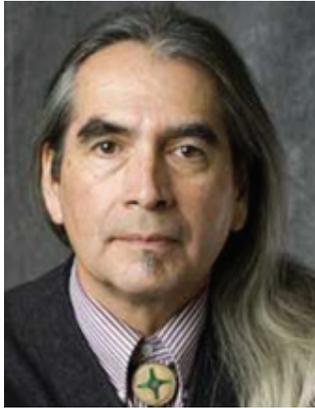
funded by the National Science Foundation, Verizon, AT&T, Coca-Cola and the Department of Energy, the initiative is designed to increase middle-school students' self-esteem, reading comprehension, STEM competencies and critical-thinking skills. Once refined, The Rising will be offered for replication throughout the HBCU system.



Trent Tucker, known as one of the great 3-point shooters in the NBA, played for several teams including the World Champ Chicago Bulls in 1993. Trent attended the University of Minnesota on a basketball scholarship and went on to lead “the Gophers” to a big 10 Conference Championship in 1982. He played in 61 playoff games during his career. Trent holds the Chicago Bulls record for most 3-pointers in one game and ranks fifth in 3-point field goal percentage in the history of the entire NBA. After retiring from the NBA in 1993, Trent got involved with the communications industry working as a broadcast analyst for the Minnesota Timberwolves and is currently heard on KFAN radio. Trent has been very active in the Minnesota communities for over 20 years. His basketball camp (named after him) had its 24th Annual camp session this past year in Minneapolis, Minnesota. In 1998 he started his own non-profit dedicated to empowering youth to make positive choices, increase self-respect, and develop a vision for the future.



Governor Christine Todd Whitman, has served as Co-Chair of the Clean and Safe Energy Coalition (CASEnergy Coalition) since the Coalition was formed in 2006. As Co-Chair, Governor Whitman connects with policy-makers, business associations, scholars and community leaders to discuss the benefits of nuclear energy and promote a diverse energy portfolio. Governor Whitman helps to build a fact-based dialogue around nuclear energy while promoting CASEnergy Coalition’s mission and building its grassroots membership. Gov. Whitman served in the cabinet of President George W. Bush as Administrator of the Environmental Protection Agency from 2001 to 2003. She was the 50th Governor of New Jersey, serving as its first woman governor from 1994 until 2001. Prior to becoming Governor, she was the President of the New Jersey Board of Public Utilities and served on the Somerset County Board of Chosen Freeholders. Since leaving the EPA, Governor Whitman has served as President of The Whitman Strategy Group (WSG), a consulting firm that specializes in energy and environmental issues. She also served as co-chair of the Republican Leadership Council (RLC) from 2006 through 2011, and is the author of a 2005 New York Times best seller, “It’s My Party Too.” Gov. Whitman serves on the Board of Directors of S.C. Johnson and Son, Inc., Texas Instruments Inc., and United Technologies Corporation. She also serves on a number of non-profit organizations including the Board of Directors of the Council on Foreign Relations and on the Eisenhower Fellowships’ Board of Trustees’ Executive Committee. She is a member of the Board of Directors of the American Security Project and the Center for Sustainable Shale Development. She is a co-chair of the Aspen Health Stewardship Project and a member of the advisory boards of Reform New Jersey Now and the Institute of Politics at Harvard University. Governor Whitman has a BA in government from Wheaton College in Norton, MA. She is married to John R. Whitman. They have two children and six grandchildren.



Daniel Wildcat, Ph.D., is a professor at Haskell Indian Nations University in Lawrence, Kansas, and an accomplished scholar who writes on indigenous knowledge, technology, environment, and education. He is also co-director of the Haskell Environmental Research Studies Center, which he founded with colleagues from the Center for Hazardous Substance Research at Kansas State University. A Yuchi member of the Muscogee Nation of Oklahoma, Dr. Wildcat is the coauthor, with Vine Deloria, Jr., of *Power and Place: Indian Education in America* (Fulcrum, 2001), and coeditor, with Steve Pavlik, of *Destroying Dogma: Vine Deloria, Jr., and His Influence on American Society* (Fulcrum, 2006). Known for his commitment to environmental defense and cultural diversity, Dr. Wildcat has been honored by the Kansas City organization The Future Is Now with the Heart Peace Award. His newest book, *Red Alert! Saving the Planet with Indigenous Knowledge* will be released later this year.

DOE CHAMPIONS



Cynthia Anderson, Senior Advisor, STEM advocate, National Nuclear Security Administration, Department of Energy



Tony Baylis, Director, Strategic Diversity Programs, Lawrence Livermore National Laboratory, Department of Energy



Dimitri Kusnezov, Chief Scientist & Senior Advisor to the Secretary, National Nuclear Security Administration, Department of Energy



John Moon, General Engineer, Office of Environmental Management, Department of Energy



Joshua Sneiderman, Albert Einstein Distinguished Fellow, Department of Energy



Pilar Thomas, Deputy Director, Office of Indian Energy, Department of Energy



THE VOICES

"We have gathered great minds, great talents and even greater aspirations to address the importance of STEM education, workforce development, energy economic development and climate change for minority communities. The diversity of America is what makes this country great, and we must use that diversity to power our nation's future and engage more Americans in the energy sector."



The Honorable LaDoris 'Dot' Harris
Director
Office of Economic Impact and Diversity
U.S. Department of Energy

VOICES: MINORITIES IN ENERGY - YEAR ONE ANNIVERSARY FORUM NOVEMBER 18, 2014



Frank Armijo
Vice President of Energy
Solutions, Lockheed Martin

Mike Carr
Principal Deputy Assistant
Secretary for the Office
of Energy Efficiency and
Renewable Energy (EERE)

Alejandra Castillo
National Director
Minority Business
Development Agency

Fernando Cázares
Regional Coordinator
Natural Resources
Defense Council

Emily Duong
External Vice President
Mid Atlantic Union of
Vietnamese Students
Association

Colby D. Duren, Esq.
Legislative Associate
National Congress of
American Indians



Rodney Ellis
Texas State Senator,
District 13

Christopher Emiden
Associate Professor in the
Department of Mathematics,
Science and Technology,
Columbia University

Gwendolyn Keyes Fleming,
Chief of Staff to the
Administrator,
U.S. Environmental
Protection Agency

Jack Gerard
President and CEO,
American Petroleum
Institute

Marillyn A. Hewson
President and CEO,
Lockheed Martin

Stephanie C. Hill
Vice President & General
Manager of Lockheed
Martin's Information
Systems & Global Solutions



Michelle Holiday
Founder and President of
Michelle Holiday
& Associates

Janice Bryant Howroyd
Founder, ACT-1

Randa Fahmy Hudome
former U.S. Deputy
Secretary of Energy, Fahmy
Hudome International

Broderick Johnson
Assistant to the President
and Cabinet Secretary

Timothy Jones
Presidential Innovation
Fellow
U.S. Department of Energy

VOICES: MINORITIES IN ENERGY - YEAR ONE ANNIVERSARY FORUM NOVEMBER 18, 2014



Brad Markell
Executive Director of the
AFL-CIO Industrial Union
Council



Irving Pressley McPhail, Ph.D.
President, National Action
Council for Minorities in
Engineering



Marc H. Morial
President,
National Urban League



Frank Niepold
Climate Education
Coordinator, NOAA's
Climate Program Office



Hazel O'Leary
former Secretary of Energy



Ann Randazzo
Executive Director of the
Center for Energy Workforce
Development (CEWD)



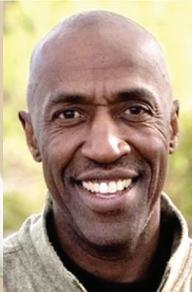
Les Shephard
Director, Texas Sustainable
Energy Research Institute
at the University of Texas at
San Antonio



Ian Steinberg
Intrapreneur and
Transformation Leader
with International
Business Machines (IBM)



Susan L. Taylor
founder and CEO of the
National CARES Mentoring
Movement



Trent Tucker
District Athletic Director of
Minneapolis Public Schools
and former NBA Champion



Emmett Vaughn
Director of the Office of
Diverse Business
Empowerment
for Exelon Corporation



Denita Willoughby
Regional Vice President of
External Affairs,
Southern California
Gas Company



The Honorable Dr. Ernest J. Moniz,
Secretary
U.S. Department of Energy



Kevin Knobloch
Chief of Staff
Office of the Secretary
U.S. Department of Energy



LaDoris "Dot" Harris
Director Office of Economic
Impact and Diversity
U.S. Department of Energy

**VOICES:
CONGRESSIONAL FORUM ON MINORITIES IN ENERGY
NOVEMBER 19, 2013**



Lezli Baskerville
President & CEO of NAFEO

Sandra Begay-Campbell
Principal Member of the
Technical Staff, Sandia
National Laboratory

Jacqueline Knox Brown,
Special Assist to Senator
Thad Cochran

Danielle Deane, Director,
Energy and Environment
Program, Joint Center for
Political and Economic
Studies

Raymond Dempsey, Jr.,
Vice President, Government
and Public Affairs,
BP America, Inc.



Charlene Dukes, President,
Prince Georges Community
College

The Honorable Chaka Fattah,
Congressman-Pennsylvania

Leslie G. Fields, National
Environmental Justice
Director for the Sierra Club

Dr. J. Chris Ford, Technical
Advisor, DOE/Office of
Economic Impact and Diversity

S. Julio Friedmann, Deputy
Assistant Secretary for Clean
Coal, DOE/Fossil Energy, DOE



The Honorable Joe Garcia,
Congressman-Florida

Greg Gershuny, Chief of Staff,
Office of Energy Policy and
Systems Analysis, DOE

Judi Greenwald
Deputy Director for
Climate, Environment
and Efficiency, DOE

The Honorable Mike Honda,
Congressman-Florida

The Honorable Eddie Bernice
Johnson, Congresswoman-
Texas

**VOICES:
CONGRESSIONAL FORUM ON MINORITIES IN ENERGY
NOVEMBER 19, 2013**



Scott Kuhn, Vice President,
Business Development,
Green Campus Partners

Dr. Dimitri Kusnezov,
Senior Advisor to the
Secretary of Energy

The Honorable Ben Ray
Lujan, Congressman-New
Mexico

Ray Mellado, founder,
Chairman of the Board
& CEO of Great Minds
in STEM™

The Honorable,
Lisa F. Murkowski
Senator-Alaska



The Honorable
Grace Flores Napolitano,
Congresswoman-California

Frank Niepold, Climate
Education Coordinator,
National Oceanic and
Atmospheric Administration,
Climate Program Office

Andre Pettigrew, Executive
Director, Clean Economy
Solutions

The Honorable Bobby
Rush, Congressman, Illinois

Chandra Shekhar Sinha,
Lead Climate Change
Specialist and Climate
Change Program Manager,
South Asia Region,
World Bank

Dr. David Wilson President,
Morgan State University

**VOICES:
WHITE HOUSE FORUM ON MINORITIES IN ENERGY
NOVEMBER 13, 2013**



Ms. Michelle D. Bernard
Political Analyst, MSNBC



Colonel Liana L. Brattland
U.S. Army



Ms. Nina Davuluri
Miss America 2014



Gwendolyn Keyes Fleming
Chief of Staff to the
Administrator, U.S.
Environmental Protection
Agency



Heather Foster, Associate
Director, White House Office
of Public Engagement



Robert W. Gee, President
Gee Strategies Group, LLC



Danielle Gray, Assistant to
the President and Cabinet
Secretary



David Hinson
National Director, Minority
Business Development
Administration



The Honorable Dr. John P.
Holdren, Director of the White
House Office of Science and
Technology Policy



Dr. Freeman Hrabowski
President, University of
Maryland, Baltimore
County



Ms. Melanie Kenderdine
Director of Energy Policy and
Systems Analysis and Energy
Counselor to the Secretary, U.S.
Department of Energy



Dr. Dimitri Kusnezov
Senior Advisor to the
Secretary of Energy



Melissa Lavinson
Vice President of Federal
Affairs for PG&E Corporation



Camsie McAdams
Senior Advisor on STEM
Education, U.S. Department
of Education



The Honorable Ms. Nancy
Sutley, Chair, White House
Council on Environmental
Quality



Dr. Wayne Watson, President
Chicago State University and
Chairman of the Board of
Directors of the National
Association for Equal
Opportunity in Higher Education



Dr. Daniel Wildcat
Co-Director, Haskell
Environmental Research
Studies Center



Dr. John Silvanus Wilson Jr.
President, Morehouse College



Dr. Ernest Moniz
Secretary
U.S. Department of Energy



Daniel B. Poneman
Deputy Secretary
U.S. Department of Energy



LaDoris "Dot" Harris
Director Office of Economic
Impact and Diversity
U.S. Department of Energy

VOICES: MINORITIES IN ENERGY KICKOFF SEPTEMBER 24, 2013



Lezli Baskerville
President & CEO of NAFEO

Dr. Benjamin F. Chavis
Former CEO of the NAACP

Fumbi Chima, Vice President
of Global Technology Services
and Strategic Partnerships,
Wal-Mart Inc.

Edie Fraser, CEO of
STEMconnector
(Moderator)

Sylvester Jim. Gates
Professor, University of
Maryland

Jack Gerard, CEO & President,
American Petroleum Institute



Thomas H. Graham,
Vice President, People Strategy
& Human Resources,
PEPCO Holdings, Inc.

Mauro Gregorio
President, DOW Chemical

Dr. Nancy B. Jackson, Manager,
Int'l Chemical Threat Reduction,
Global Security Center, Sandia
National Laboratories

The Honorable
Mary Landrieu,
Senator-Louisiana

Monica Martinez
President, Hispanics in Energy

The Honorable Hazel R.
O'Leary, former Secretary
of Energy



Sajjan Pillai, Chief
Executive Officer, UST
Global

Hilda Pinnix-Ragland, Chair,
NC Board of Community
Colleges

Michael Rencheck President
and CEO, AREVA Inc.

Dr. Sidney A. Ribeau
President, Howard University

Dr. Gilbert L. Rochon
President, Tuskegee
University

Dr. Mark Rosenberg
President, Florida
International University

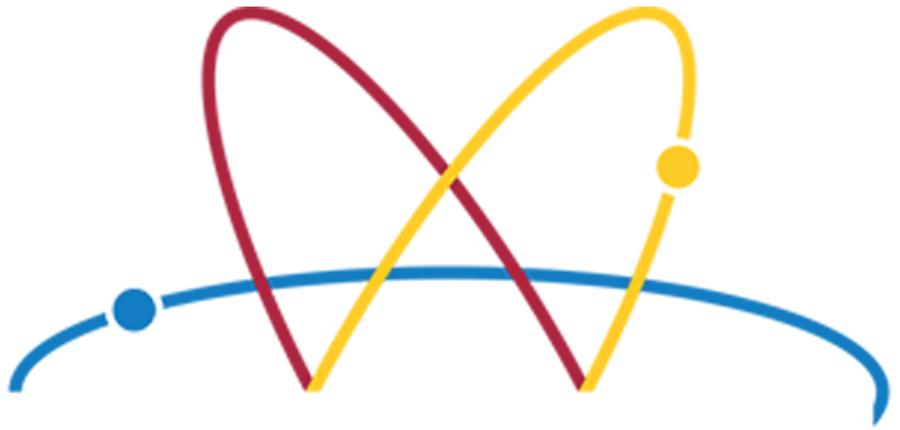


Johnny C. Taylor, Jr.,
Esquire, President and CEO,
Thurgood Marshall College
Fund (TMCF)

Carroll Thomas
Associate Administrator,
Small Business Admin.

Dr. David Wilson President,
Morgan State University

Rudolph Wynter, President,
FERC Regulated Businesses,
National Grid



SPEAKER BIOGRAPHIES



Frank Armijo, Vice President of Energy Solutions for Lockheed Martin's Information Systems & Global Solutions
Frank Armijo is Vice President of Energy Solutions for Lockheed Martin's Information Systems & Global Solutions and president and general manager of Mission Support Alliance \$3.5 billion Lockheed joint venture supporting the DOE Hanford site. His program provides energy and environmental solutions to the public and private sector, including the Department of Energy, Environmental Protection Agency, Nuclear Regulatory Commission and over 30 utilities. As former TRIDEC chair, Mr. Armijo led the effort to turn Washington State University Tri-Cities into a four-year institution. He also co-founded the Hispanic Academic Achievers Program, providing over \$2 million in scholarships to students.

Mike Carr, Principal Deputy Assistant Secretary for the Office of Energy Efficiency and Renewable Energy (EERE)
In his role as Principal Deputy Assistant Secretary for the Office of EERE, Mike provides leadership direction on cross-cutting activities in EERE's portfolio. In particular, he is using his experience in policy development to help ensure that EERE's activities align with national priorities and that policymakers have the best information possible about the opportunities presented by the EERE technology portfolio. Since 1996, Mike has advised on law and policy both inside and outside of government, with a particular specialization in environment and natural resources law. Prior to taking on the Principal Deputy position, from 2004 to June 2012 Mike served as Senior Counsel to the Senate Committee on Energy and Natural Resources. His portfolio primarily focused on technology development programs, including vehicle technology as well as financing and early commercialization of emergent energy and energy efficiency technologies. In that influential role, he conducted significant work drafting and guiding legislation through Congress that now directs major Department of Energy programs and efforts. In private practice, he specialized in litigation involving NEPA, the Clean Air Act, and the Clean Water Act. He managed environmental and appropriations issues for Rep. David Skaggs (D-CO) until 1998, then worked in the Solicitor's Office of the Department of the Interior through 2002. Mike holds a law degree from Lewis and Clark College and a bachelor's degree from the University of Colorado – Boulder.

Alejandra Castillo, National Director of the Minority Business Development Agency
Alejandra Castillo is the National Director of the Minority Business Development Agency (MBDA) and directs MBDA's strategic efforts to enhance the growth and global competitiveness of minority business enterprises (MBEs). As National Deputy Director, she managed MBDA's 44 business centers. Castillo served as the Executive Director of the Hispanic National Bar Association. She holds a Bachelor's in economics and political science from SUNY at Stony Brook, a Master's in Public Policy from the University of Texas at Austin, and a J.D. from American University. Hispanic Business Magazine has recognized her among the Top 100 Influential Latinos in the U.S.

Fernando Cazares, Regional Coordinator – Urban Solutions for LA & Voces Verdes Leader Natural Resources Defense Council

Over the past year, Fernando has worked with Voces Verdes, a Latino leadership engagement project of the Natural Resources Defense Council (NRDC). In this capacity, he helped double the number of recruited leaders from business, medical and public health, civil rights and engagement, youth and community sectors to support the EPA's Clean Power Plan to limit carbon emissions from coal power plants. He put together engagement opportunities for leaders to express their support through opinion editorials, google hangouts, speeches at press events, testifying at hearings, and recognizing business leadership in promoting energy efficiency and clean renewable energy. In his current role, he is working to identify greatest impact opportunities in Southern California for NRDC to assist cities, local jurisdictions, and community leaders in lowering their greenhouse gas emission to fight climate change and advance regional equity.

Emily Duong, 2013 Pacific Miss Asian America

Emily Duong received degrees in Communications and Business Administration from George Mason University's School of Social Science and Humanities and plans to pursue a career medicine. Ms. Duong is highly involved in the national Asian-American community, holding executive and leadership position in several non-profit organizations run by students and alumnus to promote academia, cultural awareness, empowerment, and philanthropy for humanity through scholarships and cultural exchange. She is an active community organizer for the Mid-Atlantic Union of Vietnamese Students Association (MAUVSA) and has been invited to speak at universities and conferences across the country. Her goal to bridge the gap between diverse cultures of the world serves to spread a positive influence for the generations to come.

Colby D. Duren, Esq. is a Legislative Associate with the National Congress of American Indians (NCAI) his policy portfolio includes natural resources, water, and climate change amongst other areas. Colby's worked in Indian law and policy for over seven years in multiple types of organizations including a private law firm and the Native American Rights Fund. Colby earned his law degree from the American University Washington College of Law and a Bachelor of Arts from Vassar College.

Christopher Emdin Ph.D., Associate Professor, Department of Mathematics, Science and Technology, Teachers College at Columbia University.

Dr. Christopher Emdin is an Associate Professor, Teachers College at Columbia University where he also serves as Director of Science Education at the Center for Health Equity and Urban Science Education. He was previously a Caperton Fellow and Hip-Hop Archive Fellow at the Hutchins Center at Harvard University, and was recently selected to be a STEM Access Champion of Change by the White House. Dr. Emdin is the founder of the Science Genius project and the #HipHopEd social media movement – each of which explore the intersections of hip-hop culture and education. He is author of the award winning book, Urban Science Education for the Hip-Hop Generation.

Gwendolyn Keyes Fleming, Chief of Staff to the Administrator, U.S. Environmental Protection Agency

Gwendolyn Keyes Fleming was appointed by President Obama as Region 4 (Atlanta) Regional Administrator of the EPA in September 2010, the first African-American to hold this position. Previously, she served as the first African-American and first woman DeKalb County District Attorney and Solicitor General. She was the youngest ever elected as Solicitor General. Ms. Fleming is a New Jersey native and earned a bachelor's degree in finance from Douglass College and she earned her law degree from the Emory University School of Law.

Jack Gerard, President and CEO of the American Petroleum Institute

Jack Gerard is President and CEO of the American Petroleum Institute and has led API since November 2008, expanding its membership and influence in all 50 states and globally, adding offices in Dubai and Singapore to its operations in Beijing, enabling API to better inform the public and policymakers on important energy issues. API's Washington presence is the foundation for the oil and natural gas industry's advocacy and outreach at state, federal and global levels on public policy, standards and certification programs, and as the source for information on industry best practices. Prior to joining API, Gerard served as president and CEO of the American Chemistry Council, and earlier held the same position at the National Mining Association. Gerard also spent close to a decade working in the U.S. Senate and House.

LaDoris "Dot" Harris, Director, Office of Economic Impact and Diversity, DOE

LaDoris "Dot" Harris was nominated by President Obama to be the Director of the Office of Economic Impact and Diversity at the United States Department of Energy. Ms. Harris brings nearly 30 years of management and leadership experience to this position, having served at some of the world's largest companies and created a successful energy, IT, and healthcare

consulting firm. Ms. Harris has served as an executive at General Electric Company (GE) and held a number of leadership positions in GE's Energy and Industrial businesses. Before joining GE, Ms. Harris was an officer and Vice President of Operations & Production for ABB Service, Inc. Ms. Harris was the President and CEO of Jabo Industries, LLC, a minority woman-owned management consulting firm concentrated in energy, IT, and healthcare industries. Ms. Harris holds a B.S. in Electrical Engineering from the University of South Carolina in Columbia, South Carolina and a M.S. in Technology Management from Southern Polytechnic State University in Marietta, Georgia.

Marillyn A. Hewson, Chairman, President & CEO, Lockheed Martin

Marillyn A. Hewson is President & CEO of Lockheed Martin Corporation. She previously held a variety of increasingly responsible executive positions with the Corporation, including President and Chief Operating Officer and Executive Vice President of Lockheed Martin's Electronic Systems business area.

In her 31 years with Lockheed Martin, Ms. Hewson has held several operational leadership positions including President of Lockheed Martin Systems Integration; Executive Vice President of Global Sustainment for Lockheed Martin Aeronautics; President and General Manager of Kelly Aviation Center, L.P., an affiliate of Lockheed Martin; and President of Lockheed Martin Logistics Services. She has also served in key corporate executive roles, including Senior Vice President of Corporate Shared Services; Vice President of Global Supply Chain Management; and Vice President of Corporate Internal Audit.

Ms. Hewson serves on the Board of Directors of DuPont and previously chaired the Sandia Corporation Board of Directors from 2010 to 2013. She served on the Board of Directors of Carpenter Technology Corporation from 2002 through 2006. In September 2013, Ms. Hewson was appointed by President Barack Obama to the President's Export Council, the principal national advisory committee on international trade. She is a member of the Board of Governors of the Aerospace Industries Association, and is an Associate Fellow of the American Institute of Aeronautics and Astronautics.

Ms. Hewson serves on the Board of Directors of the Congressional Medal of Honor Foundation, the Board of Governors of the USO, the Board of the National Geographic Education Foundation, the University of Alabama's Culverhouse College of Commerce and Business Administration Board of Visitors, and the Board of Directors of Catalyst. She is also a member of The Business Roundtable, an association of chief executive officers of leading U.S. companies. Ms. Hewson has been selected by Fortune magazine as one of the "50 Most Powerful Women in Business" for the past five years and was named #4 in 2014. She was named #21 on the Forbes "World's 100 Most Powerful Women" in 2014.

Born in Junction City, Kansas, Ms. Hewson earned her Bachelor of Science degree in business administration and her Master of Arts degree in economics from The University of Alabama. She also attended the Columbia Business School and Harvard Business School executive development programs.

Stephanie C. Hill, Vice President & General Manager, Lockheed Martin

Stephanie C. Hill is Vice President & General Manager of Lockheed Martin's Information Systems & Global Solutions Civil business that serves various nondefense U.S. government agencies and regulated commercial industries. She leads more than 9,500 employees who provide information technology systems and services in critical citizen services areas such as energy solutions.

Ms. Hill is one of Computerworld's 2015 Premier 100 IT Leaders and was named the 2014 Black Engineer of the Year by Career Communications Group. She is a member of the TechAmerica Public Sector Board of Directors and the RTCA

NextGen Advisory Committee. She graduated from the University of Maryland, Baltimore County with a Bachelor of Science degree in Computer Science and Economics.

Michelle Holiday, founder and President of Michelle Holiday and Associates

Michelle Holiday is founder and President of Michelle Holiday and Associates, a Native woman-owned consulting company specializing in tribal energy and economic development, stakeholder relations, government relations/federal affairs, permitting and siting transmission projects, public affairs and communications, project management, and strategic planning. Michelle has had an expansive career advising senior executives as their subject matter expert on energy policy, utilities, business strategy and tribal matters. During her time with Edison International and Southern California Edison (SCE), she held various management positions in their government affairs, public affairs, customer service, and equal opportunity departments allowing her to work on energy policy, large transmission and renewable projects, stakeholder engagement and diversity initiatives. Today Michelle is at the forefront of tribal energy development and works with a number of Native American tribes and organizations, utilities, and energy industry organizations. She also sits on the board of the National Center for American Indian Enterprise Development (NCAIED) and serves on the board of Walking Shield Inc.

Janice Bryant Howroyd, Founder and CEO, ACT-1

Janice Bryant Howroyd is the Founder and CEO of the ACT-1 Group, a global leader in deploying talent and resource management solutions. A North Carolina native, Janice left her hometown in 1976 armed with \$900. Since then, she has dedicated her efforts to building an organization that is committed to keeping the humanity in human resources. She is a strong advocate for balance of education and entrepreneurship in the workforce. Active industry involvement gives her a unique understanding of the challenges faced by global workers and business owners alike. Her expertise on the subjects of workforce optimization and entrepreneurship has made her a much sought-after speaker. She is also the author of *The Art of Work: How to Make Work, Work for You!*, in which she distills over 30 years of experience into a work/life balance guide for individuals wishing to further their personal and professional success.

Randa Fahmy Hudome, Former Associate Deputy Secretary of Energy and CEO of Fahmy Hudome International
Randa Fahmy Hudome has more than twenty-five years of legal and public policy experience. In 2003, Randa launched Fahmy Hudome International (FHI), a strategic consulting firm which provides critical advice and counsel to Fortune 500 companies, foreign governments, media organizations, and private sector entities with an interest in international business transactions and energy policy. Prior to founding FHI, Ms. Fahmy Hudome was appointed by President George W. Bush to serve as the United States Associate Deputy Secretary of Energy. Working with the White House and the Departments of State and Commerce, she developed and implemented international energy policy. Randa was also the point person at the Department of Energy for increased advocacy on behalf of American energy companies seeking business around the globe. Prior to government service, Randa was a practicing attorney with the law firm of Willkie, Farr and Gallagher, where she specialized in the areas of international trade and corporate litigation.

Broderick Johnson, Assistant to the President and Cabinet Secretary, Chair of My Brother's Keeper Task Force
Broderick Johnson is the Assistant to the President and Cabinet Secretary and is also Chair of the My Brother's Keeper Task Force. Johnson has held positions in both the public and private sectors. During the Clinton Administration, he served as Deputy Assistant to the President for Legislative Affairs. He also worked in the Congress, including as Chief Democratic Counsel for two House Committees. Johnson was a vice president at AT&T and Bell South corporations. He also was a

partner with a large international law firm and co-founded a strategic consulting business. Johnson received his B.A. from the College of the Holy Cross and his J.D. from the University of Michigan Law School. A native of Baltimore, Maryland, Johnson currently lives in Washington, D.C., with his wife and three children.

Eddie Bernice Johnson, Congresswoman, 30th District of Texas

Congresswoman Johnson is serving her 11th term representing the 30th Congressional District of Texas. In December 2010, Congresswoman Johnson was elected as the first African-American and the first female Ranking Member of the House Committee on Science, Space and Technology. From 2000-2002, she was the Ranking Member of the Subcommittee on Research and Science Education. Congresswoman Johnson is a current member of the House Transportation and Infrastructure Committee and has been since being elected in 1992. She is also the highest ranking Texan on this committee. Congresswoman Johnson also presently serves on the Aviation Subcommittee, Highways and Transit Subcommittee and Water Resources and Environmental Subcommittee. Congresswoman Johnson received a bachelor's degree in nursing from Texas Christian University in 1967. She received a master's degree in public administration from Southern Methodist University in 1976. Congresswoman Johnson is the first nurse to be elected to the U.S. Congress.

Timothy Jones, Presidential Innovation Fellow, DOE

Timothy Jones has worked with Oracle and companies such as Sybase and OpenVision from startup through IPO. He has experience commercializing technology from universities and national labs. Tim co-founded startups from Georgia Tech and MIT, generating several patents in the process. He has been a frequent contributor on Bloomberg West. Tim holds a B.S. in Management Science from MIT, a M.S. in Computer Information Systems from Georgia State University, and an M.B.A. from MIT, where he was a Sloan Fellow.

Kevin Knobloch, Chief of Staff, U.S. Department of Energy

Before being selected as chief of staff, Knobloch was president of the nonprofit Union of Concerned Scientists for a decade. He's led UCS delegations to the U.N. international climate negotiations, worked as the group's legislative director for arms control and national security, and spent a stint on Capitol Hill working for Democrats in the House and Senate.

Knobloch spent years building up policy experience on climate change, renewable energy technologies and nuclear weapons. He recently completed eight years on the board of directors of the Coalition for Environmentally Responsible Economies (CERES) and serves on the Environmental League of Massachusetts board of directors. He is also cofounder and former president of the Arlington (MA) Land Trust..

Kevin holds a master's degree in public administration from the John F. Kennedy School of Government at Harvard University, with a focus on natural resource economics and environmental management, and a bachelor's degree from the University of Massachusetts at Amherst, where he concentrated in English and journalism.

Brad Markell, Executive Director of the AFL-CIO Industrial Union Council

Brad Markell is the Executive Director of the AFL-CIO Industrial Union Council (IUC) and chairs the AFL-CIO energy task force. The IUC is comprised of 11 unions and works to build and advance policies that support manufacturing in the U.S. While with the UAW, Brad worked on the negotiations for the historic tailpipe emissions standards for light-duty vehicles, and led efforts to establish public support for manufacturing clean and efficient vehicles including the Advanced Technology Vehicle Manufacturers and the Battery and Electric Drive grant programs administered by DOE. Brad has degrees from the University of Michigan and Wayne State University.

Irving Pressley McPhail, Ph.D., President and Chief Executive Officer of the National Action Council for Minorities in Engineering, Inc. (NACME)

Dr. Irving Pressley McPhail is the sixth president and Chief Executive Officer of the National Action Council for Minorities in Engineering, Inc. (NACME). He joined NACME in 2007 as executive vice president and Chief Operating Officer. Dr. McPhail founded and served as principal of The McPhail Group LLC. He also served 15 years as a college president or chancellor of colleges and universities in Baltimore, MD, Saint Louis, MO and Memphis, TN. Under his leadership, The Community College of Baltimore County was named one of 12 Vanguard Learning Colleges in the U.S. and Canada in 2000 by the League for Innovation in the Community College and was awarded the PBS O'Banion Prize for Leading the Way to Change in Teaching and Learning in 2003. He earned a bachelor's degree in development sociology at Cornell University and a master's degree in reading at the Harvard Graduate School of Education. He earned the doctorate in reading/language arts at the University of Pennsylvania as a National Fellowships Fund Fellow.

Ernest Moniz, Secretary, U.S. Department of Energy

Ernest Moniz is the Secretary of the U.S. Department of Energy tasked with implementing critical Department of Energy missions in support of President Obama's goals of growing the economy, enhancing security and protecting the environment. This encompasses advancing the President's all-of-the-above energy strategy, maintaining the nuclear deterrent and reducing the nuclear danger, promoting American leadership in science and clean energy technology innovation, cleaning up the legacy of the cold war, and strengthening management and performance.

Prior to his appointment, Dr. Moniz was the Cecil and Ida Green Professor of Physics and Engineering Systems at the Massachusetts Institute of Technology (MIT), where he was a faculty member since 1973. At MIT, he headed the Department of Physics and the Bates Linear Accelerator Center. Most recently, Dr. Moniz served as the founding Director of the MIT Energy Initiative and as Director of the MIT Laboratory for Energy and the Environment where he was a leader of multidisciplinary technology and policy studies on the future of nuclear power, coal, nuclear fuel cycles, natural gas and solar energy in a low-carbon world.

From 1997 until January 2001, Dr. Moniz served as Under Secretary of the Department of Energy. He was responsible for overseeing the Department's science and energy programs, leading a comprehensive review of nuclear weapons stockpile stewardship, and serving as the Secretary's special negotiator for the disposition of Russian nuclear materials. From 1995 to 1997, he served as Associate Director for Science in the Office of Science and Technology Policy in the Executive Office of the President.

In addition to his work at MIT, the White House and the Department of Energy, Dr. Moniz has served on a number of boards of directors and commissions involving science, energy and security. These include President Obama's Council of Advisors on Science and Technology, the Department of Defense Threat Reduction Advisory Committee, and the Blue Ribbon Commission on America's Nuclear Future.

A member of the Council on Foreign Relations, Dr. Moniz is a Fellow of the American Association for the Advancement of Science, the American Academy of Arts and Sciences, the Humboldt Foundation, and the American Physical Society. Dr. Moniz received a Bachelor of Science degree summa cum laude in Physics from Boston College, a Doctorate in Theoretical Physics from Stanford University, and honorary degrees from the University of Athens, the University of Erlangen-Nuremberg, Michigan State University and Universidad Pontificia de Comillas.

Marc H. Morial, President, National Urban League

Marc H. Morial has been the President of the National Urban League since 2003, and the primary catalyst for an era of change. His skilled leadership has expanded the League's work around an Empowerment agenda, which is redefining civil rights in the 21st century with a renewed emphasis on closing the economic gaps between Whites and Blacks as well as rich and poor Americans. The former Mayor of New Orleans, Morial was elected in 1994 and served two terms leading the city into a 1990's renaissance of international prominence. During his tenure, New Orleans won the All-American City Award in 1996 for the first time in 50 years, as well as the prestigious City Livability Award. He serves as an Executive Committee member of the Leadership Conference on Civil Rights.

Frank Niepold, Climate Education Coordinator, NOAA's Climate Program Office

Frank Niepold is the Climate Education Coordinator NOAA's Climate Program Office and is co-chair of the U.S. Global Change Research Program's (USGCRP) Education Interagency Working Group, Climate.gov Education lead, and the U.S. Climate Action Report's Education, Training, and Outreach chapter lead. At NOAA, he develops and implements NOAA's Climate goal education efforts that specifically relate to Climate Literacy. Additionally, he is the managing lead of the USGCRP's Climate Literacy: The Essential Principles of Climate Science framework.

The Honorable Hazel R. O'Leary, Former Secretary of Energy and former President of Fisk University

Hazel O'Leary was President of Fisk University from 2004 through February 2013 and currently serves on the boards of directors of the Nashville Alliance for Public Education, Nashville Business Community for the Arts, World Wildlife Fund, Arms Control Association and CAMAC Energy Inc. Ms. O'Leary served as an Assistant Attorney General and Assistant Prosecutor in the state of New Jersey and was appointed to the Federal Energy Administration under President Gerald Ford and to the United States Department of Energy under President Jimmy Carter. In 1989, she became Executive Vice President for Environmental and Public Affairs for the Minnesota Northern States Power Company and in 1992 she was promoted to President of the holding company's gas distribution subsidiary. Ms. O'Leary served as the United States Secretary of Energy from 1993 to 1997 and as President and Chief Operating Officer for the investment banking firm Blaylock and Partners in New York from 2000 to 2002.

Ann Randazzo, Executive Director, Center for Energy Workforce Development (CEWD)

Ann Randazzo is the Executive Director of the Center for Energy Workforce Development (CEWD). CEWD is a consortium of national energy associations, electric and natural gas energy companies and focuses on addressing industry workforce needs. Ann has been instrumental in creating the "Get Into Energy Career Pathways" model adopted by the industry. She has spent her entire career in the Electric and Natural Gas Utility industry. Ann has a B.S. in Mathematics from Northwestern State University and was named as one of the 100 Women in STEM by STEMConnector. She also serves on the Arlington/Alexandria Workforce Board.

The Honorable Bobby Rush, Congressman from Illinois

Bobby Rush spent most of his life fighting for everyday people. He believes that the constitutional promise of equality, liberty, and justice for all Americans must be upheld to make our nation strong. He has represented the First Congressional District of Illinois for almost two decades. U.S. Rep. Bobby L. Rush is a transcendent American leader who keeps his legislative and policy interests sharply focused on the needs of his constituents — especially the most vulnerable. He believes in the redemptive power of the human spirit. He believes in human ingenuity and tenacity. He knows the power of a made up mind. As a member of Congress, Rush stands on the shoulders of a long line of patriots and public servants who have gone before him and who are ardent believers in our Constitution. His life is an example of our nation's

fundamental promise and his work reflects a deep determination to bend the arc of government resources and innovation towards the needs of every American.

Les Shepard, Director, Texas Sustainable Energy Research Institute, University of Texas at San Antonio

Les Shepard serves as Director, Texas Sustainable Energy Research Institute at the University of Texas at San Antonio. The Institute is actively involved in fundamental and applied energy and water research, renewable energy technology deployment and demonstrations, and the energy-water nexus. Previously, Shepard served as the Vice President of the Energy, Water and Nonproliferation Division at Sandia National Laboratories that emphasized providing technology solutions to enhance economic prosperity and global stability in regions of high strategic importance to the United States.

Ian Steinberg, Intrapreneur and Transformation Leader, International Business Machines (IBM)

Ian Steinberg, Intrapreneur and Transformation Leader with IBM, has personally identified, incubated, launched and managed several multi-billion dollar, services-led, solutions-based emerging growth opportunities. Ian also led, sold & closed over \$288M of shared services, transformation through outsourcing engagements, with accountability for \$400-600M annual BPO, industry-focused direct sales and active pursuits. He has also led, managed and delivered over \$16M of specific business transformation consulting engagements to C-level, senior and business unit executives fusing business and technology. He holds a M.B.A. from Georgetown University - McDonough School of Business, and a Bachelor's in Civil Engineering from The Johns Hopkins University.

Susan L. Taylor, founder and CEO of the National CARES Mentoring Movement

Susan Taylor is founder and CEO of the National CARES Mentoring Movement. After 27 years at the helm of Essence magazine, Taylor left publishing to devote her life to building the National CARES Mentoring, founded as Essence CARES. The National CARES mission is to help end inter-generational poverty by securing and transforming the lives of under-resourced Black children. National CARES affiliates recruit caring adults to serve as mentors and role models at local youth-serving organization. The national group-mentoring programs focus on the emotional, social and academic development of children and the wellness of the adults who parent and mentor them.

National CARES is piloting The Rising: An HBCU—Public Schools Literacy and STEM- Mentoring Initiative®. Now in development at Clark Atlanta University and funded by the National Science Foundation, Verizon, AT&T, Coca-Cola and the Department of Energy, the initiative is designed to increase middle-school students' self-esteem, reading comprehension, STEM competencies and critical-thinking skills. Once refined, The Rising will be offered for replication throughout the HBCU system.

Trent Tucker, District Athletic Director of Minneapolis Public Schools and former NBA Champion

Trent Tucker is known as one of the great 3-point shooters in the NBA, played for several teams including the World Champ Chicago Bulls in 1993. Trent attended the University of Minnesota on a basketball scholarship and went on to lead "the Gophers" to a big 10 Conference Championship in 1982. He played in 61 playoff games during his career. Trent holds the Chicago Bulls record for most 3-pointers in one game and ranks fifth in 3-point field goal percentage in the history of the entire NBA. After retiring from the NBA in 1993, Trent got involved with the communications industry working as a broadcast analyst for the Minnesota Timberwolves and is currently heard on KFAN radio. Trent has been very active in the Minnesota communities for over 20 years. His basketball camp (named after him) had its 24th Annual camp session this past year in Minneapolis, Minnesota. In 1998 he started his own non-profit dedicated to empowering youth to make positive choices, increase self-respect, and develop a vision for the future.

Emmett Vaughn, Director of the Office of Diverse Business Empowerment for Exelon Corporation

Emmett Vaughn is Director of the Office of Diverse Business Empowerment for Exelon Corporation and provides strategic direction for approximately \$750 million of business with certified diverse businesses. Over \$2.8 billion in “new business” for MWBEs has been realized under his leadership at Exelon. He has been recognized by MBDA with the “Lifetime Achievement Award” and Minority Business News Magazine as one of the “Best Supplier Diversity Professionals of the past decade.” He earned his M.B.A. from The Kellogg Graduate School of Management at Northwestern University and is a professor at Chicago State University. Vaughn serves on numerous boards.

Denita Willoughby, Regional Vice President of External Affairs for Southern California Gas Company

Denita Willoughby is Regional Vice President of External Affairs for Southern California Gas Company and is responsible for the development and implementation of communications activities including public affairs, community and media relations. She serves on SoCal’s Political Action Committee and Executive Diversity Council. Willoughby also serves on boards for the Los Angeles Chamber of Commerce, Vision to Learn, Unite LA, Affordable Living for the Aging, and the Los Angeles County Commission on Women. She holds a M.B.A. from Harvard University and a Bachelor’s in engineering from the University of Wisconsin-Madison.

IN SUPPORT OF



"It is an honor to be a part of the important work of the Minorities in Energy Initiative, and I join in celebrating this one-year anniversary. I believe that it's vital that we increase the number of voices from minority communities in the national dialogue about energy, which is a mission shared with my work on the Clean and Safe Energy Coalition. We must highlight and increase the role of minorities in our energy future -- as providers, consumers, community leaders, decision makers, thought leaders, educators, students and professionals. And, in my role as an Ambassador to the Minorities in Energy Initiative, I'm particularly honored to champion the hugely valuable role that minorities play within the energy field. I am proud to share my voice for this cause, and I consider this first year just the beginning of a successful and impactful history for the Minorities in Energy Initiative."

Christine Todd Whitman, former
Governor of New Jersey and former
EPA Administrator
Minorities in Energy Ambassador

"As an educator and mathematician, I know how critical STEM education is to preparing students for a variety of career opportunities. The Minorities in Energy Initiative serves as an effective vehicle for inspiring and preparing minorities for STEM careers in the energy sector."

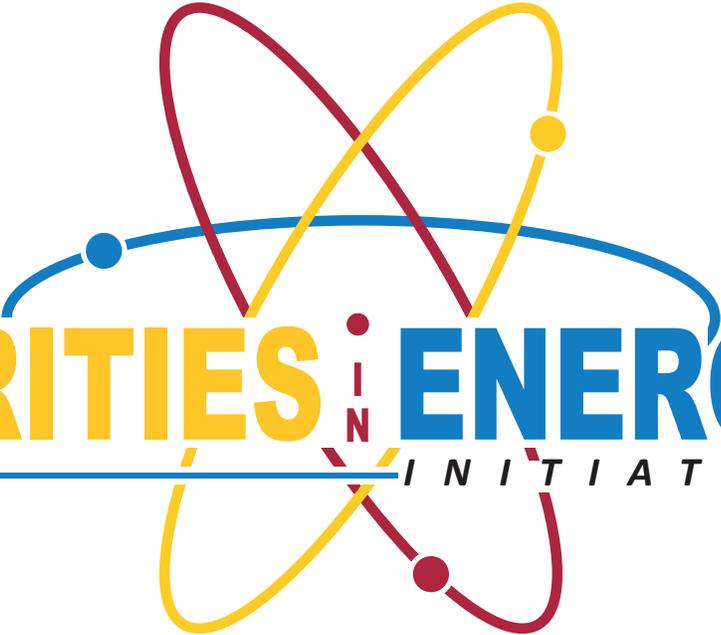
Freeman Hrabowski, III Ph.D.
President, University of Maryland
Baltimore County
Minorities in Energy Ambassador

"The Minorities in Energy Initiative is building a foundation of inclusion, innovation and entrepreneurship to develop our future STEM workforce, energy business leaders and climate change champions. I look forward to working with the Department of Energy, my fellow Ambassadors and other stakeholders committed to fully engaging minorities in our energy future."

Bill Richardson
Former Governor of New Mexico and
Former Secretary of Energy
Minorities in Energy Ambassador

"The future of our country will be heavily impacted by our ability to innovate in new technologies and businesses. Towards this point, there remains a large need to access resources and provide capital to minority owned or operated business especially in the engineering space where they are so precious and important. This is one area of focus where Minorities in Energy plays a critical role and I am privileged to be involved."

Carmichael Roberts
Partner at North Bridge Venture Partners
Minorities in Energy Ambassador



MINORITIES i **IN ENERGY**
INITIATIVE



U.S. DEPARTMENT OF
ENERGY

