

SECRETARY OF THE ARMY ENERGY AND WATER MANAGEMENT AWARDS



U.S. ARMY®

In Recognition of
Accomplishments during
Fiscal Year 2020

October 29, 2021



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J.E. "JACK" SURASH, P.E.
Deputy Assistant Secretary of the Army Energy and Sustainability, Washington, DC

Mr. Jack Surash was selected to the Senior Executive Service in 2005. Since October 4, 2021, he is serving as the Acting Principal Deputy Assistant Secretary of the Army (Installations, Energy and Environment). In this role he renders decisions for and in the name of the Assistant Secretary of the Army (ASA (IE&E)) in matters related to Army installations, energy security, and the Army's impact on the environment, safety, and occupational health. This includes providing strategic guidance and supervision for policies, plans, and programs under IE&E's purview. Advises the ASA (IE&E), the Under Secretary, and the Secretary of the Army on the aspects and impact of legislation, policies, procedures and programs which may have a broad political and public impact on the Army's mission. Previously he served as the Senior Official Performing the Duties of the ASA (IE&E), from January 20, 2021 to October 3, 2021.

Mr. Surash was appointed as the Deputy Assistant Secretary of the Army for Energy and Sustainability in February 2021. He previously served as

the Acting Deputy Assistant Secretary of the Army for Energy and Sustainability since September 2016. In this position he is responsible for overall program direction, establishment of policies, development and refinement of strategies, and oversight for implementation of all programs and initiatives related to energy security and sustainability within the Army. As the Army's Senior Energy Executive, Mr. Surash coordinates and integrates installation (traditional as well as expeditionary) and operational energy programs and strategies.

Mr. Surash came to the Pentagon from the Department of Energy's Office of Environmental Management (EM), where he served as the Deputy Assistant Secretary for Acquisition and Project Management. He led efforts for EM's annual \$6 billion portfolio, served as EM's Head of Contracting Activity, oversaw procurement planning, contract management, and provided project management support. Prior to that role, he was Director of the National Nuclear Security Administration's Office of Infrastructure and Facilities Management.

Career Chronology:

- 2004 – 2005, Business Development Manager, Johnson Controls Inc., Washington, DC
- 2003 – 2004, Chief Business Officer, Miami-Dade County Public Schools, Miami, FL
- 1976 – 2003, Captain, Civil Engineer Corps, United States Navy (Retired) COLLEGE:
- Master of Engineering, Mechanical Engineering (Energy Management), Texas A&M University, College Station, TX
- Bachelor of Science, Mechanical Engineering, University of Rochester, Rochester, NY

Significant Training:

- Management and Leadership Executive Certificate, Sloan School of Management at Massachusetts Institute of Technology, Cambridge, MA
- Advanced Management Program, Fuqua School of Business at Duke University, Durham, NC

Certifications:

- Professional Engineer (Texas)
- Level III Certified Contracting

Awards and Honors:

- Superior Civilian Service Medal
- Presidential Award for Leadership in Federal Energy Management
- President's Quality Award for Quality Improvement (Malcolm Baldrige criteria)
- Vice President's Hammer Award
- California Eureka Award for Performance Excellence
- Department of Energy's Louis R. Harris Award
- San Diego Regional Energy Office Leadership Award
- San Diego Business Journal Excellence in Energy Award
- Department of Energy Secretarial Small Business Award
- Greater Los Angeles African American Chamber of Commerce Federal Small Business Award

Professional Memberships And Associations:

- National Society of Professional Engineers
- American Society of Mechanical Engineers
- Society of American Military Engineers
- Association of the United States Army
- Trout Unlimate

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**LIEUTENANT GENERAL
JASON T. EVANS**

Deputy Chief of Staff, G-9

Lieutenant General Jason T. Evans is the U.S. Army's first Deputy Chief of Staff, G-9. Lieutenant General Evans assumed duties Sept. 27, 2019, as the Deputy Chief of Staff, G-9 and serves as the expert and champion for the world's most capable and efficient installations.

The Deputy Chief of Staff, G-9 develops regulatory guidance, administers installation resource programming, and provides expertise and advocacy for all Army infrastructure and installation services to enable Total Army readiness.

He previously served July 2017 to July 2019 as Commanding General of the Army Human Resources Command, Fort Knox, Kentucky, before assignment to the Pentagon.

Lieutenant General Evans was raised as an Air Force family member. He attended Wentworth Military Academy, Lexington, Missouri, where he earned an Associate Degree in Business Administration. He completed his Bachelor of Science Degree in Business Administration from Bellevue University, Bel-

levue, Nebraska. He holds Master's Degrees in Business Administration from Webster University and National Resource Strategy from the National Defense University.

Lieutenant General Evans has served in command and staff positions in the continental United States, Italy, Somalia, Kosovo, Germany and Iraq with the 13th Corps Support Command, III U.S. Corps, 510th Personnel Services Battalion, 1st Personnel Command, U.S. Army Europe, Installation Management Command, Multi-National Force – Iraq, and Office of the Assistant Secretary of the Army.

His key assignments include:

- Commanding General, U.S. Army Human Resources Command
- Director of Military Personnel Management, Army G-1, Headquarters Department of the Army
- Deputy Commanding General (Support), U.S. Army Installation Management Command
- The Adjutant General; Executive Director, Military Postal Service Agency
- Executive Officer, Assistant Secretary of the Army, Manpower and Reserve Affairs
- CJ1, Multinational Force – Iraq, (Director Personnel)
- Commander, U.S. Army Garrison, Fort Monroe
- Chief, Secretariat for Officer Centralized Selection Boards, Personnel Command
- Commander, Task Force 510th Personnel Services Battalion (Kosovo)
- Commander, 510th Personnel Services Battalion, 1st Personnel Command
- Military Assistant to the G-1, Deputy Chief of Staff Personnel, HQDA
- Deputy Chief, General Officer Management Office, Office of the Chief of Staff, Army
- Majors/Lieutenant Colonels Assignments Officer, HQDA Personnel Command
- Executive Officer, 502nd Personnel Services Battalion, 3rd Personnel Group, Fort Hood
- HHD Commander, 502nd Personnel Services Battalion, 3rd Personnel Group
- G-1, Joint Task Forces Logistics Command (Mogadishu, Somalia)
- Chief, Strength Management, G-1, 13th Corps Support Command, Fort Hood
- Executive Officer, U.S. Army Element, Allied Forces South, Naples, Italy

Lieutenant General Evans is a graduate of the Adjutant General's Officer Basic and Advanced Courses, Combined Arms Staff Services School, Command and General Staff College, the Army Resource Management Course, and the Industrial College of the Armed Forces.

Lieutenant General Evans' awards and decorations include the Distinguished Service Medal (with two Oak Leaf Cluster), Legion of Merit (with two Oak Leaf Clusters), Bronze Star Medal, Defense Meritorious Service Medal, Meritorious Service Medal (with four Oak Leaf Clusters), Army Commendation Medal (with Oak Leaf Cluster), Army Achievement Medal (with Oak Leaf Cluster), Parachutist Badge, and the Army Staff Identification Badge.

AWARD RECIPIENTS

Energy and Water Resilience Program Effectiveness

- **USAG Fort Campbell, KY** – Mr. Mark Linkous, Mr. Robert Ott, Mr. Mir Khan, and Mr. Joshua Smith
- **USAG Fort Wainwright, AK** – Mr. Fred Sandgren, Mr. James Arnold, Mr. Peter Marvin, Mr. Justin Lovejoy, Ms. Jennifer Meyer
- **USACE ERDC-CERL, IL** – Mr. Jay Tulley, Mr. Christopher Battisti, Mr. Brian Clark

Water Efficiency

- **USAG Fort Buchanan, PR** – Ms. Maria “Angie” Lopez, Mr. Anibal Negron, Mr. Francisco Mendez Rodriguez

Innovation and New Technology

- **USAG Fort Bragg, NC** – Ms. Audrey Oxendine, Ms. Tammy Temple, Mr. John Parsell, Mr. Ray Throop, Mr. Anthony Bryant
- **USAG Fort Knox, KY** – Mr. Robert “RJ” Dyrdek, Mr. Riickey D. Webb, Mr. Jim Bradford, Mr. Jason Root, Mr. Brian N. Ballard
- **USAR 63rd Readiness Division (DIV (R)), CA** – COL Martin J. Naranjo, Mr. James Ferrell, Mr. Gerry McClelland
- **Tooele Army Depot, UT** – Mr. Brandon Watson, Mr. Casey Anderson, Mr. Justin Castagno, Mr. Don Hunt, Mr. Dan Morgan
- **USAG Fort Irwin, CA** – Mr. Derrick Pace, Mr. Christopher Woodruff, Mr. Paul Schonenberger
- **USACE Mobile District, AL** – Mr. Allen Earhart, Ms. Miriam Fleming, Mr. Ranell Franklin, Mr. Jay Jamison, Mr. Eric Haskell

Individual Exceptional Performance

- **USAG Hawaii, HI** – Mr. Keith Yamanaka
- **USAG Wiesbaden, GM** – Mr. Tomasz Filatow
- **USAG Fort Riley, KS** – Mr. Daniel McCallister
- **USACE Huntsville, AL** – Mr. Shah Alam

AWARD SUMMARIES

Energy and Water Resilience Program Effectiveness

- **USAG Fort Campbell, KY** – Mr. Mark Linkous, Mr. Robert Ott, Mr. Mir Khan, and Mr. Joshua Smith
Annual Cost Avoidance: \$1,209,569
Annual on-site energy generation: 5,921,901 kWh
USAG Fort Campbell updated its Installation Energy and Water Plan (IEWP) in 2020 in the midst of a pandemic and with concurrent and companion lines of effort to sustain the installation's resiliency, improve efficiencies and keep utilities affordable. Fort Campbell renegotiated a firm gas transportation agreement with the local utility in 2019 through 2020 after operating for nearly a decade with an interruptible transport agreement. Through measurement and metering, Ft Campbell continues to be successful in reducing excess water usage and losses by installing advance meters, aerators and other water reducing applications. Overall WUI is 39.5% below the baseline year FY07. Additional efforts included performing audits, inspections and work management requests.
- **USAG Fort Wainwright, AK** – Mr. Fred Sandgren, Mr. James Arnold, Mr. Peter Marvin, Mr. Justin Lovejoy, Ms. Jennifer Meyer
Annual Cost Avoidance: \$2,300,000
On-site energy generation: 26,280,000 kWh
USAG AK Fort Wainwright completed water and energy projects which increased resilience including notable projects such as adding two 500K gallon water tanks, repairing the clear well, rejuvenating five greensand filters, adding real-time monitoring of water quality, establishing an engineered systematic unidirectional flushing of the water distribution system, and rebuilding a turbine in the Combined Heat and Power Plant. Replaced green-sand and anthracite filtration media in each of the five pressure filter vessels at the water treatment plant to improve operational efficiency and replace aging infrastructure.

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- **USACE ERDC-CERL, IL** – Mr. Jay Tulley, Mr. Christopher Battisti, Mr. Brian Clark

Payback (years): 1.1

USACE ERDC-CERL at the request and funding by the Army Installation Management Command (IMCOM) in FY20 developed a comprehensive, 10-month training program targeted toward energy managers, mechanical engineers, and HVAC technicians and the outcome was the IMCOM “RCx Academy”. This unique 10-month program supports the development of energy managers, engineers, and technicians through a blend of online education and hands-on practice of RCx field skills. The course included 33 2-hour webinars and 60+ “office hours” sessions for over 150 hours of instructional support. The training combined the fundamentals of mechanical engineering and HVAC systems with real-world energy management including energy auditing, facility benchmarking, system diagramming, project scoping, data logging, trend analysis, functional testing, energy and life-cycle cost calculations, implementation of RCx opportunities that support Army modernization, energy/cost reduction, and resilience efforts. The course also addresses how to run buildings properly that improve health, comfort, and mission assurance by decreased down-time of equipment. RCx training helps facilitate the average payback of 1.1 years.

Water Efficiency

- **USAG Fort Buchanan, PR** – Ms. Maria “Angie” Lopez, Mr. Anibal Negron, Mr. Francisco Mendez Rodriguez

Annual water savings: 120 MGal

Annual Cost Avoidance: \$3,000,000

Payback (years): 4.2

Fort Buchanan in response to FY16 and FY17 potable water distribution system failures as well as extensive damage to energy and water infrastructure and equipment from Hurricanes Irma and Maria in FY17, constructed an innovative system that provided resilient and sustainable water system for use now and in the future. Three phase implementation completed in FY20 with \$12.5M investment. Fort Buchanan also constructed rainwater harvesting systems contributing to the conservation of potable water starting in 2018 with 11 total systems installed with four being completed in FY20. The systems produced 418 thousand gallons of potable water in FY20. Only one year after the repairs, Fort Buchanan experienced a 53% decrease in water costs (from FY18 to FY19), saving more than \$1 million in water utility costs. From FY19 to FY20, the installation realized an additional \$600,000 in savings. These systems provide on-site potable water to offset off-site utility provided water to ensure availability during natural disasters and utility disruption which are common.

Innovation and New Technology

- **USAG Fort Bragg, NC** – Ms. Audrey Oxendine, Ms. Tammy Temple, Mr. John Parsell, Mr. Ray Throop, Mr. Anthony Bryant
Annual energy savings: 92,973 MBTU
Annual water savings: 255 MGal
Annual Cost Avoidance: \$2,100,000
Annual on-site energy generation: 1,527,000 kWh
Fort Bragg in FY20 awarded a Utility Energy Service Contract (UESC) to Duke Energy for \$36 million to implement five energy conservation measures (ECMs): boiler conversion from fuel oil to natural gas, high efficiency dehumidification system, LED lighting conversions, water conservation fixtures, and floating solar. Fort Bragg's UESC contract term is 19 years and will save \$2.1 million the first year.
- **USAG Fort Knox, KY** – Mr. Robert "RJ" Dyrdek, Mr. Riickey D. Webb, Mr. Jim Bradford, Mr. Jason Root, Mr. Brian N. Ballard
Annual energy savings: 83,300 MBTU
Annual Cost Avoidance: \$58,252
Payback: 10.7
USAG Fort Knox Godman Army Airfield experienced a catastrophic failure spring 2019 of the airfield lighting system. This failure directly impacted mission readiness and resulted in an overarching safety and operational issue. Fort Knox modernized the airfield lighting systems and associated electrical infrastructure as part of the existing Energy Savings Performance Contract (ESPC). This project is innovative and noteworthy because it made Godman Army Airfield the first and only all LED Army airfield.
- **USAG 63rd Readiness Division (RD), CA** – COL Martin J. Naranjo, Mr. James Ferrell, Mr. Gerry McClelland
Annual energy savings: 8,053 MBTU
Annual Cost Avoidance: \$427,942.00
Annual on-site energy generation: 1,090,000 kWh
The Army Reserve 63rd Readiness Division (RD) was the first to develop a virtual Installation Energy and Water Plan (v-IEWP) covering multiple geographically dispersed critical facilities. In FY20, the 63rd RD reduced energy use intensity by 8.2%. Additionally, the 63rd RD currently generates 2,530 MWh annually from on-site renewable energy sources. The IEWP includes goals, strategies, tasks, timelines, funding mechanisms, and responsible parties for the next five years of E&W management. The primary goals of the 63rd RD v-IEWP are to: (1) ensure the 63rd RD is able to sustain critical missions in the event of an energy and/or water service disruption; (2) reduce the risk to all critical missions from E&W (including wastewater) disruptions; (3) reduce the use of E&W resources across the RD; and (4) increase operational efficiency.



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- **Tooele Army Depot, UT** – Mr. Brandon Watson, Mr. Casey Anderson, Mr. Justin Castagno, Mr. Don Hunt, Mr. Dan Morgan

Annual energy savings: 4,094 MBTU

Annual Cost Avoidance: \$84,000

Annual on-site energy generation: 1,200,000 kWh

Tooele Army Depot IN 2010 had a new 1.5 MW Wind Turbine installed through an Energy Conservation and Investment Program (ECIP). The Wind Turbine failed to operate in 2017 and the turbine was not operational for 3 years thereafter. There were several repairs completed in 2020 to include generator bearings, calibration of the pitch battery and position, replacement of several temperature sensors, rebuild of the power supply, repair of broken wire to the generator RPM encoder, cleaning up of major carbon deposits from the generator slip rings, recalibration of anemometers, and several other repairs. The 1.5MW Wind Turbine repair provides additional mission assurance for Warfighter Readiness through Ammunition Logistics and Ammunition Peculiar Equipment production and maintenance.

- **USAG Fort Irwin, CA** – Mr. Derrick Pace, Mr. Christopher Woodruff, Mr. Paul Schonenberger
USAG Fort Irwin was selected as one of the Army's pilot installations for electric vehicle supply equipment (EVSE) study sponsored by the Army and the U.S. Department of Energy (DOE) to examine how the Army could cost-effectively install electric vehicle supply equipment (EVSE) to prepare for fleet electric vehicle acquisitions and for privately owned/operated vehicles (POVs). Fort Irwin has demonstrated that there are multiple ways to approach the differences between non-tactical fleet support of plug-in electric vehicles (PEVs) based upon the individual needs of each installation. Fort Irwin Plug-in Electric vehicle (PEVs) charging support for fleet vehicles privately owned/operated vehicles (POVs). The lessons learned were proper placement of charging stations, charging rates and financing options.
- **USACE Mobile District, AL** – Mr. Allen Earhart, Ms. Miriam Fleming, Ms. Ranell Franklin, Mr. Jay Jamison, Mr. Eric Haskell

Payback (years): 4.2

US Army Corps of Engineers Mobile District in FY20 led the way in sustainable uses for Automated Fee Machines—A New Way of Doing Business! They replaced staffed fee collection booths at the entrance to the parks with Automated Fee Machines (solar powered and hardwired). Each machine installed has an estimated payback of 1.7-year.

Individual Exceptional Performance

- **USAG Hawaii, HI – Mr. Keith Yamanaka**

Mr. Keith Yamanaka championed energy resilience for 22 sites, the Navy, and Marine installations supporting the Army Mission throughout the State of Hawaii. He facilitated and oversaw the construction and preliminary testing of the 50 MW Schofield Generating Station. He also initiated, managed and executed a short circuit study and implementation of digital protective relays to achieve a single short circuit setting that would provide the necessary protection for 46 feeder circuits in 3 substations servicing Schofield Barracks and Wheeler Army Airfield that can coordinate with the local utility protection system and provide short circuit protection during standard and islanding grid operations without any cyber requirement. Serves as the DoD representative on the Hawaiian Electric Company (HECO) Integrated Grid Planning Council keeping resilience a priority and weighting in the State of Hawaii grid planning process to achieve 100% renewable energy by 2045.

- **USAG Wiesbaden, GM – Mr. Tomasz Filatow**

Mr. Tomasz Filatow has served as USAG Wiesbaden energy manager for 6 years, stewarding the efficiency, renewable and resilience efforts for energy and water across the installation. Mr. Filatow established an extensive Energy Savings Performance Contract (ESPC) and the development of the energy and utility program projects for the budget, cooperation with host nation authorities, implementation of the Army Metering Program and an active preventive and corrective maintenance contract for critical facilities. Mr. Filatow's energy program is comprehensive to include metering, Installation Energy and Water Program (IEWP), Energy Savings Performance Contracts, Utility purchase agreements and Lifecycle Repair and Renewal Plans.

- **USAG Fort Riley, KS – Mr. Daniel McCallister**

Daniel L. McCallister have provided extraordinary contributions to the entire garrison throughout his 14-year career serving as the Contracting Officer Representative (COR) for Fort Riley's Energy Savings Performance Contract (ESPC). With the installation minimally manned due to the COVID-19 pandemic, Mr. McCallister continued to provide all the required support to the contractor to avoid delays and ensure the timely completion of all construction work. Mr. McCallister has served as COR over major projects and contracts within the DPW Energy Branch to include the ESPC, Army Metering Program Meter installation project, and the Chiller Plant maintenance contract. Mr. McCallister's also seeks out and get involved with worthy efforts within the DPW Energy Branch that are critical to Fort Riley's achievement of energy and water efficiency and resiliency goals.



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- **USACE Huntsville Center, AL – Mr. Shah Alam**

Dr. Shah Alam is the manager of the USACE Huntsville Center (CEHNC) Energy Savings Performance Contracting (ESPC) Program. Dr. Alam manages a portfolio of 115 projects in performance with a capital investment value of \$2.3 billion that has successfully exceeded total verified guaranteed savings by 115 percent. Concurrently, he manages 18 Army projects in construction with a total capital investment of approximately \$415 million. The ESPC program has awarded 5 projects from FY20 to date valued at \$114 million. Dr. Alam spearheaded the initiative to acquire the second-generation, third-party Measurement and Verification (M&V) support contractor to manage the M&V oversight of USACE ESPC projects.

The Army Song

“The Army Goes Rolling Along”

Intro: March along, sing our song, with the Army of the free
Count the brave, count the true, who have fought to victory
We’re the Army and proud of our name
We’re the Army and proudly proclaim

Verse: First to fight for the right,
And to build the Nation’s might,
And the Army Goes Rolling Along
Proud of all we have done,
Fighting till the battle’s won,
And the Army Goes Rolling Along.

Refrain: Then it’s Hi! Hi! Hey!
the Army’s on its way.
Count off the cadence loud and strong (TWO! THREE!)
For where e’er we go,
You will always know
That the Army Goes Rolling Along.

SECRETARY OF THE ARMY ENERGY AND WATER MANAGEMENT AWARDS

The Secretary of the Army Energy and Water Management Awards Program was established in 1979 to recognize installations, small groups, and individuals who make significant achievements in energy conservation and water management in support of Army readiness. This program encourages stewardship of energy and water resources, promotes innovative and effective program management, and reinforces the importance of sound investments in energy and water facilities and infrastructure to improve mission readiness. It recognizes significant achievements in advancing the Army's energy and water program strategic goals, improving energy security and sustainability on Army installations. The award categories are Energy and Water Resilience Program Effectiveness, Energy Efficiency, Water Efficiency, Innovation and New Technology, and Individual Exceptional Performance. The Army has improved energy resilience and increased the capacity of renewable energy produced on Army installations largely because of the initiative, innovation, and commitment of the award winners.

