

Vol. 13, No. 6

Serving the Corps since 1943
Marine Corps Logistics Base Barstow

April 13, 2023





## On The Cover:

## Photo by: Laurie Pearson

Vanessa Tzorin-Stacy, lead library technician, dressed in period costume, paints faces for military families during the Spring Festival held aboard Marine Corps Logistics Base Barstow, California, April 5.



Marine Corps Logistics Base Barstow, California Colonel Gregory B. Pace, commanding officer Sgt. Maj. Edward C. Kretschmer, base sergeant major

## Communication Strategy and Operations Office

CommStrat Officer: Reina Vasquez CommStrat Planner: Laurie Pearson CommStrat Chief: Vacant Editorial Assistant: Adam Aikens Visual Information Chief: Sgt. Anika Lewis Graphic Specialist: Anthony Plummer

The editorial content of this magazine is prepared, edited and provided by the Communication Strategy and Operations Office of Marine Corps Logistics Base Barstow, California. Mailing address: Commanding Officer, Attn: CommStrat Office, Box 110130, Barstow, CA 92311-5050. The CommStrat Office is located in Building 204. Phones: (760) 577-6430, 577-6450,

577-6451, FAX 577-6350, DSN prefix 282.

This magazine is an authorized publication for members of the Department of Defense. Contents of **THE PROSPECTOR** are not necessarily the official views of, or endorsed by, the U.S. Government, the Department of Defense, or the U.S. Marine Corps.

## On the web

Links in this publication are interactive in the online version

Website: <a href="http://www.mclbbarstow.marines.mil">http://www.mclbbarstow.marines.mil</a>

http://www.facebook.com/pages/ Marine-Corps-Logistics-Base-MCLB-Barstow/116845431679314

http://www.twitter.com/#!/MCLB Barstow











## Photo by: Sgt. Anika Lewis

Brigadier General Jason Woodworth, Marine Corps Installations West commanding general, shakes hands with Torise Faamaligi, Defense Logistics Agency security specialist, at the Emergency Operations Center aboard Marine Corps Logistics Base Barstow, California, April 13. The EOC was utilized as a part of the Semper Durus 2023 training exercise, a regional event intended to tax bases' readiness in an all-hazard environment.

## **Contents**



NPST Week

Earth day!

**Earth Day** 

10



Month of the Military Child

6 - 7

9

5



MCLBB firefighter 11 - 12 awards



Q1 awards ceremony



Spring Fest '23

13



Semper Durus '23

SAFETY

Energy newsletter 14-16 & checklist

3

## **News Brief**

## **MARADMIN 178/23**

## NATIONAL CHILD ABUSE PREVENTION MONTH

The Department of Defense (DoD) promotes Child Abuse Prevention Month (CAPM) every April. The DoD theme for 2023 is "MilParents Rock." This campaign will launch in April and extend throughout the year. The aim is to assist parents in building a foundation for well-being that helps them feel secure and be a rock for their children.

Commanders and all leaders can show support for CAPM by attending events and activities aboard Marine Corps installations throughout the month of April. These events promote available resources and help raise awareness of warning signs. Classes, parenting groups, and other supportive services that promote positive parenting practices and education are available at your local installation.

The Family Advocacy Programs at the installation level provide opportunities for Marines and their families to build and strengthen skills that support healthy family relationships. Leadership support of skill-building offerings emphasizes the message that child abuse is not tolerated in the Marine Corps.

All Marines can benefit from learning more about the many resources available on Military OneSource and at your local installation. Commanders should encourage Marines and their families to access resources and services early and often to decrease the likelihood of ineffective or harmful parenting practices. Military OneSource can be found at WWW. MILITARYONESOURCE.COM or 800-342-9647.

Anyone who suspects or knows of child abuse should report it. Anonymous reports ensure the family will receive supportive services. Reporting is mandated and the right thing to do. To make a report, contact the local Family Advocacy Program (FAP)office, Child Protective Services, or the National Child Abuse Hotline at 800-422-4453. If you have immediate concerns about a child's safety, contact law enforcement.

This MARADMIN is applicable to the Active Duty, members of the Selected Marine Corps Reserve, Marines on Active Duty Operational Support Orders, their family members, and, when authorized by law, other populations such as civilian personnel and will expire one year from the date published.

## **Leave Share Program**

Individuals currently affected by medical emergencies and in need of leave donations.

## Jimmy Rheinschild

### Annette Madero

Anyone desiring to donate annual leave under the Leave Share Program should contact the Human Resources Office at 577-6915.

## MARADMIN 181/23

## **EARTH DAY MESSAGE 2023**

Marine Corps installations provide the platform to support readiness, forward presence and the ability to project power. This foundation is increasingly challenged by dynamic natural and human-based resource threats. Now and for the foreseeable future, encroachment, environmental concerns, energy requirements, and the effects of climate change will all be factors that impact our installations' ability and capacity to meet training and operational needs. As the nation's naval expeditionary force-in-readiness, we must defend our installations by continuing our sound stewardship ofthe precious national resources entrusted to us by the Americanpeople. As we approach Earth Day 2023, celebrated on 22 April, takethe opportunity to reflect on how the Marine Corps and each of us individually can invest in our planet to ensure we are ready whenever our nation calls.

Marine Corps Installations Command supports Fleet Marine Force readiness and warfighting with an investment portfolio that includes energy and climate resilience, environmental protection, encroachmentprevention, and natural and cultural resources conservation. Our current investments in these efforts include: Marine Corps Logistics Base Albany becoming the first "Net Zero" installation in the Marine Corps; executing over \$159 million in Department of Defense Readiness and Environmental Protection Integration funding and leveraging over \$142 million in partner match to conserve and protect nearly 109,000 acres of land around our installations; and partnering in the One Trillion Trees Initiative to plant over a million trees at Townsend Bombing Range in order to ensure continued training area sustainability. These current efforts and many others benefit the environment and enable us to promote both readiness and resiliency.

Earth Day is also an opportunity to recognize the importance of individual Marine actions. I encourage Marines to continue and increase seemingly small individual actions that when taken together, have significant positive environmental and mission impacts. Every item recycled, every reduction in energy consumption and every environmental best practice implemented pays dividends over time. Additionally, I encourage Marines to partner with our installations and surrounding communities by supporting environmental activities that demonstrate our good stewardship so we can continue to maximize training and readiness opportunities.

Information and outreach materials related to Earth Day can be found at: https://www.dvidshub.net/feature/installationresilience





# UNITED STATES MARINE CORPS MARINE CORPS INSTALLATIONS COMMAND 3000 MARINE CORPS PENTAGON WASHINGTON, DC 20350-3000

1650 G-3 3-Apr-23

From: Commander, Marine Corps Installations Command

: Commanding General, Marine Corps Installations East Commanding General, Marine Corps Installations West Commanding General, Marine Corps Installations Pacific Commander, Marine Corps Installations National Capital

Region

Subj: EMPLOYEE RECOGNITION FOR NATIONAL PUBLIC SAFETY

TELECOMMUNICATORS WEEK, 09-15 APRIL 2023

- 1. Marine Corps Installations Command (MCICOM) recognizes April 09-15, 2023, as National Public Safety Telecommunicators Week (NPSTW). As such, MCICOM would like to acknowledge all Marine Corps Public Safety Telecommunicators for their devotion, compassion and professionalism to our military and civilian communities through the performance of their duties this past year. Our Public Safety Telecommunicators have contributed significantly to maintaining the health, safety and wellbeing of our community members and safeguarding the lives of our law enforcement, fire and emergency medical services personnel.
- 2. Historically, Public Safety Telecommunicators have been referred to as "dispatchers" and were equated to administrative staff. They were the heard but not seen unheralded heroes of public safety. In 1994, President William J. Clinton signed Presidential Proclamation 6667, which set aside the second week of April as NPSTW to celebrate their impact in emergency services. Today, Public Safety Telecommunicators are not only mission-essential personnel, but they are also the "first of the first responders." The work that telecommunicators do to protect and save the lives of those aboard the installations is illustrated every day through their commitment, hard-work and steadfast determination.
- 3. It instills tremendous confidence in knowing that our Public Safety Telecommunicators are persistent in providing each 9-1-1 call with prompt, compassionate and professional service. On behalf of the Marine Corps community, I thank you for your commitment, service and sacrifice to public safety. I ask each Commander to take a moment to identify and highlight their gratitude for each Public Safety Telecommunicator under their charge during this National period of recognition.

4/6/2023



D. W. MAXWELL
CDR, MCICOM / ADC, I&L (LF)
Signed by: MAXWELL.DAVID.WAYNE.1163568108

# Month of the Military Child

## Story by: Reina Vasquez COMMSTRAT Officer

or 37 years, the Department of Defense **\Gamma** has recognized and celebrated military children during the month of April. Officially known as the Month of the Military Child, Defense officials seek to honor the more than 1.6 million military children who face frequent challenges and often make numerous sacrifices as a result of their parents' service.

According to the Defense Department website, military children move, on average, every two to three years, causing unique challenges due to new schools, friends and support networks.

Sheriaka Bazzelle-Kaigler, the assistant director for the Child Development Center aboard Marine Corps Logistics Base Barstow, says all children share similar challenges, but military children sometimes find themselves in unique situations.



"They know when they haven't seen their parent in a couple of days; that's hard, and it's often difficult for kids to communicate and regulate those feelings."



Photos by: Sgt. Anika Lewis

Children at the Child Development Center aboard MCLB Barstow, create banners, signs and posters, April 6, for the Month of the Military Child. The banners will be displayed on the fence around the CDC and flags and signs will be carried April 19, during a parade celebrating the strength and resilience of military children worldwide.

One of the tools Bazzelle-Kaigler and her staff use at the CDC, are called "feeling buddies." These are teddy bears that the children can use to help them communicate and

> share their feelings and emotions with their friends and the staff.

"They might show us that they're feeling sad, angry, happy, anxious or excited," Bazzelle-

Kaigler says, "They have emotions that are attached to mommy and daddy being gone or coming home; the bears help to provide comfort and help regulate the child's emotions. We are there to provide support and make sure the children feel safe and know they can talk to us about anything."

Bazzelle-Kaigler, who grew up as a military child and has raised her own children in a military environment,

says April holds a special place in her heart because it's important that the military children have a month of their own to show them that they are indeed, special and recognized.



This year, April 19, is designated as "Purple Up!" day. Purple Up Day is an opportunity to honor military children from all branches of the military as they play a significant role in their schools, youth organizations, and communities.

Purple references the joint environment of the military, encompassing all service branches, Active Duty, Reserve, National Guard, and Veterans. Purple combines each branch's colors into one: the Air Force, Navy, and Coast Guard all use shades of blue, the Army uses green, and the Marines use red.

To encapsulate the resiliency in our military children, this year's theme for the CDC is "Resilient Super Heroes." Throughout the week of April 17, the base's CDC will have a number of activities, including creating banners, playing games, indulging in treats such as popcorn, snow cones and cotton candy, watching K-9 demonstrations from the MCLB Barstow Police department and more.

"We'll have a parade on April 19th, where we'll walk around the parade deck led by the Mounted Color Guard, and the children will be wearing their purple shirts, carrying their flags, and they really look forward to it," Bazzelle-Kaigler says. The parade kicks off at 2:15 p.m.

Come on out and join us in celebrating, supporting and encouraging our young children as we recognize the unique struggles shared by our military families.

# **MONTH OF THE MILITARY CHILD**

Military children make up a very special part of our nation's population. To honor their unique contributions and sacrifices on behalf of our country, each April is designated as the Month of the Military Child.

## **MILLION CHILDREN**

There are 1.7 million totalforce dependent children worldwide.



## **FACILITIES**

## 700



around the world, running

## **MILLION CHILDREN**

Approximately 2 million military children have experienced a parental deployment since 9/11.





children typically move 6 - 9 times between kindergarten

For more information about the Month of the Military Child, visit https://www.defense.gov/News/Special-Reports/0418\_militarychild/

# 1st Quarter Awards Ceremony

**Photos by: Adam Aikens** Editorial Assistant



Corporal Jakob J. Belloni (right), military police officer, and Sergeant Major Edward C. Kretschmer (left), base sergeant major, shake hands after Belloni receives his Marine Corps Good Conduct Medal during the April 6 quarterly awards ceremony aboard MCLB Barstow, California.



Maribel Gonzalez, supply clerk, receives one of two Employee of the Quarter awards during the morning awards ceremony aboard MCLB Barstow, California on April 6.

## Other award recipients:

SSgt Micaiah R. Justice - Navy Achievement Medal

Cpl Conner J. Donovan - Marine Corps Good Conduct Medal

Kenneth Weeks - Supervisor of the Quarter

Richard F. Ebel - 20 years of federal service

Delilah Vergara - 20 years of federal service



Above: Colonel Gregory B. Pace, base commander, presents Corporal Emerson E. Oland, military police officer, with his Marine Corps Good Conduct Medal during the April 6 quarterly awards ceremony aboard MCLB Barstow. California.

Below: Tolson Grant, maintenance lead, is presented with an Employee of the Quarter award by Colonel Gregory B. Pace (close), base commander, and Sergeant Major Edward C. Kretschmer (far), base sergeant major, during the April 6 event aboard MCLB Barstow, California.



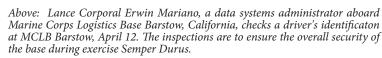
# Semper Durus 2023

**Photos by: Sgt. Anika Lewis** Visual Information Chief





Top: Corporal Fernando Cantu, a warehouse clerk at Marine Corps Logistics Base Barstow, checks a vehicle as part of the activation of Security Augmentation Force for Semper Durus aboard MCLB Barstow, California, April 12. Semper Durus is an exercise designed to test base defenses and emergency response.





Above and below: Marines with Combat Logistics Regiment 17 Security Augmentation Focrce land at the Barstow-Daggett Airport in Daggett, California, April 11. The Marines arrived to assist Marine Corps Logistics Base Barstow, California during the Semper Durus exercise.



# Earth Day 2023

Story by: Sgt. Anika Lewis
Visual Information Chief

First celebrated on April 22, 1970, Earth Day is now recognized annually in the United States, reminding Americans to celebrate our earth and raise awareness for what is needed to preserve our environment. Cathey Donaldson, Comprehensive Environmental Training and Education Program Coordinator at Marine Corps Logistics Base Barstow Environmental Division shared what this day means to her.

"Earth Day is one of the most important celebrations," she said. "Earth Day emphasizes the importance of protecting our natural resources. What we do today will impact our future generations. We should cherish our Mother Earth, as she is the one, we have."

Arley Rossmiller, MCLB Barstow Environmental Prevention Specialist, added that people should take the time to properly sort their waste and not throw everything away in the trash. There are separate receptacles for recyclable items such as plastic and cardboard and trash such as Styrofoam and other non-biodegradable materials. Knowing the difference and placing items where they belong helps mitigate the waste on our planet.

In addition to practicing proper recycling habits, Donaldson spoke on the importance of how we manage our water resources. She said the Mojave Desert has been in a significant drought, making this resource scarce. Mishandling water consumption could have drastic long-term effects on the environment.



Natural Resources Specialist for MCLB Barstow, David Housman, explained that natural resources are those which occur naturally in nature. Air, water, flora, fauna, and soils are examples of such resources. He went on to explain how all these elements positively impact human life.

"Some natural resources are essential to life, some are used to build, others to power machinery, and some serve as places for recreation and well-being," Housman said.

Understanding that natural resources are vital to our way of life is a step in recognizing the responsibility we therefore have in preserving them. Housman explained that we can help preserve these resources and lessen the demand on them by recycling, reusing items, and reducing overall consumption.

"We have to have plant life because we have to have oxygen," said Donaldson. 'If you use up all the water and the plants can't get water then they're going to die. If that happens, it's going to be very hard for mankind to survive. We could only survive so long."

Acknowledging the actions, we make now will affect the future, it is important to make environmentally conscious decisions. Although Earth Day is only formally recognized once a year, the team at Environmental Division encourages us to remain environmentally conscience year-round. Consistent actions such as recycling and preserving our resources can assist in preserving our planet for the next generations.

# Firefighters earn (even more) awards

**Story by: Laurie Pearson** COMMSTRAT Planner

The United States Marine Corps awarded two firefighters from Fire and Emergency Services aboard Marine Corps Logistics Base Barstow with Civilian Chief Executive Fire Officer of the Year and Civilian Fire Officer of the Year.

Deputy Fire Chief Ryan Tworek has a long list of accomplishments leading to him earning this prestigious award to include being the accreditation manager for the first USMC Fire Service to achieve Commission for Fire Accreditation International accredited agency status for a third time.

"Tworek has maintained Chief Training Officer professional credential from Center for Public Safety Excellence; recently completing his Chief Fire Officer credential," said Fire Chief Paul Purdy. "He continues his professional development by completing his Master of Public Administration degree in 2022, and he demonstrates administrative know-how."

Tworek also authored the 5-year Strategic Plan and Standards of Cover signed by the base commander and implemented by the FES.

"He ensured that FES complies with applicable laws, regulations, and policies, and updated 459 policies and procedures, utilizing a web-based management system," Purdy said. "He provides professional development for personnel by providing monthly training opportunities, securing advanced training at the DoD Fire Academy, and hosting multiple



Tworek's official USMC photo

Purdy said.

In addition to his regular duties, he expanded his knowledge of safety and health related issues and became a Special Government Employee under the Office of Safety and Health Administration.

"He continues to serve as the agency accreditation manager:

organizational goals, direct supervisors across multiple

students, and serves as the California Joint Apprentice

MCLB Barstow Fire and Emergency Services Employees,"

disciplines and provides ongoing coaching and mentoring.

"He is a champion trainer of future firefighters, fire academy

Committee Training Coordinator and Instructor of Record for

"He continues to serve as the agency accreditation manager; as well as a CFAI peer assessor," said Purdy. "He also served as the DoD representative on the San Bernardino County Wildland Certification Committee."

"I am very grateful and proud to have spent the last 25 years in the Fire Service," Tworek said. "The fire service and the DoD have provided me with many amazing opportunities and experiences. Working with a fantastic team and helping to have a positive impact on the installation and the community provides fulfillment and job satisfaction. Working in emergency services is exciting! Each day brings new challenges and learning opportunities. I was always drawn to a career that involved helping people and working with a team. Additionally, there are so many specialties and evolving practices in the fire service that I can continually improve as a firefighter."

Along with Tworek, another firefighter proved to be yet

another awardwinning asset to the base.

training

courses

each year."

With a

leadership,

works with

focus on

Tworek

the line

and staff

personnel

to develop

and update

Assistant
Chief
Marvin J.
Torgeson
earned
Civilian
Fire
Officer of
the Year.
Among his
long list of

EMPER FIDELIS

\*\*

Torgeson's official USMC photo

Firefighters continues on page 12 11

## Firefighters cont. from page 11

accomplishments, he also authored an article on leadership and team development for Fire Engineering which was accepted for publication and will be printed in the Fire Engineering Leadership Supplement.

"He has also demonstrated leadership and innovation, leading to the promotion of Assistant Chief of Operations," Purdy said. "He has achieved certifications from the International Fire Service Accreditation Congress fire officer IV and Pro Board health and safety officer.

Torgeson is also one of the select few CPSE credentialed Fire Officer designees in the U.S. Marine Corps.

"He performed as the Incident Commander of a major motel structure fire with 40 apartment units well involved, performed as Rescue Group Supervisor of a semi-truck versus Jeep Wrangler traffic collision, and during a vehicle underride needing technical extrication, saving the lives of two adults and two children," Purdy said.

In another incident, Torgeson performed as Rescue Group Supervisor of a truck and RV collision with a building and a mass casualty incident located on a steep hill which led to technical extrication and saving the lives of two occupants.

"He was also involved in a response to a terrorist threat to the County Superior Court," Purdy said. "He helped provide HAZMAT support to the incident command operations of five agencies, skillfully ensuring the flawless execution of technical mitigation."

Torgeson received his Doctorate in Strategic Leadership. He has led, mentored, and organized a mini fire academy for more than 40 underprivileged youth and led a high-performing team resulting in two firefighter-of-the-quarter award winners.

"When selecting individuals for the DoD Awards, it's extremely competitive and accomplishment driven," Purdy explained. "These two individuals are stellar employees taking on several collateral duties outside their PD's and department goals, enhancing programs. They are accreditation experts, expanding baselines and benchmarks, and career development goals. Through both personal and professional examples, they have set the standard for others to emulate in the conduct of their professional activities and career development goals. Each category was highly competitive, indicating exceptional leadership and dedication to mission accomplishment for all nominees. Their resourcefulness, initiative and selfless dedication to duty reflected great credit upon themselves, the FES community, and Marine Corps."



### **Courtesy of Behavioral Health**

Planting pinwheels for prevention during Child Abuse Prevention Month, children at MCLB Barstow's Child Development Center, show off their pinwheel garden, April 12, to Lieutenant Colonel Arturo Manzanedo (left), base executive officer, Colonel Gregory B. Pace (middle), base commander, and Sergeant Major Edward C. Kretschmer (right), base sergeant major. Pinwheels are used to help educate communities about the importance of supporting children and families and the pinwheels, shining in the sun, is reflective of the bright future all children deserve.

# **Spring Fest 2023**

## Photos by: Laurie Pearson COMMSTRAT Planner

Right: Children race each other for prizes during the Easter Egg Roll at Spring Festival 2023, held aboard Marine Corps Logistics Base Barstow, California, April 5.

Bottom Left: Colonel Gregory B. Pace, base commanding officer, plays with his granddaughter during the Spring Festival held aboard Marine Corps Logistics Base Barstow, California, April 5.

Bottom Right: Adam Diaz, Exceptional Family Member Program coordinator, and school liaison, dresses in costume for the Rennaisance themed Spring Festival held aboard Marine Corps Logistics Base Barstow, California, April 5. The event included games, a dunk tank, prizes, bounce houses, and more, for families to enjoy.









## MARINE CORPS LOGISTICS BASE BARSTOW

## **ENERGY NEWSLETTER**

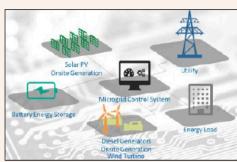
PUBLISHED BY PUBLIC WORKS DIVISION

ISSUE #: 2

DATE: April 2023

### Looking to the Future, Planning for Net-Zero

Colonel Gregory B. Pace, Commanding Officer of Marine Corps Logistics Base (MCLB) Barstow, has made achieving net-zero energy consumption one of his three major goals for the installation. Net-zero means that the base will produce as much energy as it consumes. While currently producing about 20-25% of its energy requirement annually, MCLB Barstow has a long way to go to achieve net-zero and will require major infrastructure investment. To achieve this goal, the installation and its tenant partners are pursuing a variety of energy infrastructure projects to be planned and executed over the next three years. MCLB Barstow and



industry partners are in the initial concept phase of a \$60 million project to construct a "microgrid", which will include large solar panel arrays, battery energy storage systems, and sophisticated controls systems that will meet the installation's daily energy requirement. The microgrid project will also ensure all the installation's critical facilities and operations will remain powered in the event of an outage on Southern California Edison's grid.

Additionally, some major tenant activities are planning to allocate significant funding in the coming years toward renewable energy infrastructure to reduce their utility bills and to improve energy reliability and resilience for their critical activities.

### **Electrifying the Fleet**

As Marine Corps installations take steps to introduce more electric vehicles into the government vehicle fleet, MCLB Barstow is planning proactively for the transition. With 12 electric vehicle charging stations already in place at various locations around the base, the installation is ready to take delivery of additional plug-in electric vehicles scheduled to arrive this year. The base is also planning to expand charging infrastructure to support additional electric vehicles in the future. Transitioning the fleet of nontactical vehicles to efficient, zero-emission electric vehicles will measurably reduce the installation's greenhouse gas emissions and total energy consumption, especially as



the base plans to build-up its renewable energy infrastructure over the next few years. Increasing the installation's use of electric vehicles and alternative energy supports the *Marine Corps Installation and Logistics 2030* roadmap for making installations more capable to face the threats of the future.

### **Energy User Checklist**

The Energy User Checklist provides a list of operational energy reduction opportunities applicable to employees and residents in their day-to-day activities while working and living onboard MCLB Barstow. The checklist is part of the Commanding Officer's Base Energy Plan for reducing energy consumption. Reducing energy use also reduces the environmental impact of our mission, making our work more sustainable long-term. Click the image to the right to open the checklist.



## MARINE CORPS LOGISTICS BASE BARSTOW

## **ENERGY NEWSLETTER**

PUBLISHED BY PUBLIC WORKS DIVISION

SSUE #: 2

DATE: April 2023

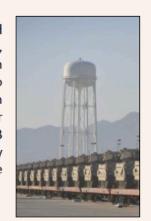
### Water Supply and Conservation

MCLB Barstow's water supply, as with most places in the high desert, is sourced from pockets of groundwater deep in the earth that formed thousands of years ago, known as aquifers. These aquifers do not replenish after just a season of heavy rain and snowfall, unlike California's above-ground reservoirs, and they continue to remain at high risk from long-term drought. Despite the record setting precipitation the state has received this winter, it is critical to continue to make water conservation a focus. As a major water user in the region, there is a lot MCLB Barstow can do to show leadership in conserving water. The base considers many best practices when planning facilities projects and operations, including the following:

- ☐ Water efficient toilets/fixtures
- ☐ Sprinkler timers and other automation features
- ☐ Leak detection survey on water distribution piping
- ☐ Maintenance program for water isolation valves
- ☐ Desert landscaping and plants

Scan the QR code on the right to see information on ways you can save water at work and at home.







## Renewable Energy Production Update

The base's total electricity consumption annually is about 27,000 megawatt-hours, and it currently produces about 22%, or 6,000 megawatt-hours, from on-base renewable energy sources. These renewable sources saved MCLB Barstow \$500,000 on electric bills over the last year. Most of this renewable energy is drawn from our 12-acres of solar arrays at both Yermo and Nebo. The base also has various other renewable energy assets that have not produced energy this past year. These offline assets include several smaller solar systems located on building rooftops, and the Nebo wind turbine.



The base recently completed repairs on some of the offline rooftop solar systems and restored them to a working status. In total, these repaired rooftop solar systems are now producing about 270 megawatthours per year, which will save the base over \$55,000 annually on electric bills. Repairs are still in progress on a few other rooftop systems that will increase that annual savings by another \$45,000.

Additionally, the base is working to repair its 1.5-megawatt wind turbine, which has been operating intermittently while experiencing frequent breakdowns over the last several years. When operating properly, the wind turbine alone should save the base an additional \$400,000 per year on electric bills.

-

14 15

### **Building Energy Efficiency Checklist** Building Number: Date: Checklist User: Tele. Item **Checkpoint Description** Yes No N/A Corrective Action Are interior lights turned off when sufficient outdoor lighting is available? Are outdoor lights on during the 2 daytime? Have incandescent and fluorescent 3 bulbs been replaced? Are there opportunities for occupancy sensors in offices, restrooms, 4 storerooms or conference rooms? Are there place cards reminders on light switches? 5 6 Is the heating setpoints at 72 degrees? Is cooling setpoints at 78 degrees? Are heating and cooling equipment off 8 while space is unoccupied? Are doors and windows closed when heating and cooling systems are on? Are thermostats tamper resistant and 10 programmable? Are placards reminding to turn off heating and cooling equipment when not needed? 11 Are bathroom exhaust fans off during 12 unoccupied periods? Are there any leaking faucets or toilets 13 or urinals? Is there water loss due to sprinklers on 14 sidewalk or street? Are washers and dryers energy 15 efficient? Are kitchen appliances energy 16 efficient? Are perishable items stored in the minimum number of refrigerators? Are unused computers and office equipment turned off or in sleep mode 18 during the day? Is office equipment turned off at night? 19 Are energy awareness materials 20 available in open areas? Are building occupants familiar with MCLB Barstow's energy conservation 21 policies and base order? Have any comments pertaining to energy savings opportunities been 22 made? Have you observed any opportunities to 23 increase efficiency? MARINE CORPS LOGISTICS BASE BARSTOW Rev. 2022