



MDMS *UPDATE*

~ METER DATA MANAGEMENT SYSTEM ~

VOLUME 4 ISSUE 6

AUG. – SEP. 2019

FROM THE PROGRAM MANAGER

By Todd Kirk, MDMS Program Manager, USACE—Huntsville Center

Welcome to our August - September 2019 issue of the *MDMS Update*, designed to keep you informed on the growth and latest developments of the Meter Data Management System and the Army Metering Program.

You may have noticed a new face on this issue of the newsletter. I am Todd Kirk, and have assumed the Program Manager role for MDMS. Michael Ott, the previous Program Manager, was re-called to active duty for a year to provide support to Huntsville Engineering Center in his military capacity. While he is no longer with the program he is still a part of the HNC organization and is only a phone call or short walk away should his institutional knowledge be required. See the article below to learn more about me and my background.

As we continue to rollout both new functionality and enhancements to existing modules, we will also continue to provide details about those modifications here. Four of the preconfigured reports on the Home dashboard have been improved to

give you greater visibility into both the EUI and Usage rankings—both highest and lowest—for all entities in the organization selected. In addition, we've added the Cumulative Usage with Cooling Degree Days report. See page 2 for details.

MDMS was on display at the Energy Exchange conference in Denver, Colorado 19-21 August. For more information regarding the conference and the MDMS teams involvement, see the article on page 3.

On page 4, we highlight our "Trail of Champions" program. We are actively seeking additional champions. Also on page 4 is an update on the latest GIS refresh from OACSIM.

As always, our mission is to improve the MDMS experience for end users. Your input is valuable, and we welcome your feedback via the Army Meter Service Desk (AMSD) at: usarmy.coe-huntsville.cehnc.mbx.armymeterhelp@mail.mil



**Todd Kirk, Program Manager,
MDMS, USACE—Huntsville Center**

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NEW MDMS PROGRAM MANAGER

Mr. Todd Kirk is a Project Manager/Data Analyst offering extensive career knowledge acquired through 28 years of military service, governmental experience, and education. Kirk has been successful in the dynamics of completing complex projects and managing fiscal resources by initiating new inventive approaches in collecting and analyzing data. Kirk creates standards and best practices within the organization to achieve current goals based on mission, objectives, and fiscal boundaries, and effectively plans, develops, coordinates and implements processes and procedures related to Project Management.

Kirk served his country as a Combat Engineer in the U.S. Army during his 21-year career on active duty. He was deployed to Iraq during Desert Shield/Storm with Charlie Company of the 3rd Engineer Battalion in the 24th Infantry Division of Fort Stewart, Georgia. Kirk continued his military career and after many more deployments, retired as a Sergeant First Class.

Upon his retirement, the Kirk family moved to Huntsville to

pursue a second career supporting the warfighter as a Project Manager and Data Analyst. Kirk has a Master of Science in Project Management from Florida Institute of Technology's Huntsville Campus and a Bachelor of Science in Information Technology from Arkansas State University in Jonesboro, Arkansas.

Kirk has volunteered in numerous organizations both in Arkansas and Alabama, including working as a board member on the Single Parent Scholarship Fund, United Way of Northeast Arkansas, The Rotary Club of Greater Huntsville, and United Way of Madison County. Kirk had the privilege of serving the Tennessee Valley immediately after the April 2011 devastating tornado outbreak, as the Logistics Manager for the Volunteer Center of the United Way of Madison County. He strategically aided over 6,000 volunteers in their efforts by facilitating the logistics of the debris cleanup effort for many weeks after the storm.



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ENHANCED AND NEW FUNCTIONALITY

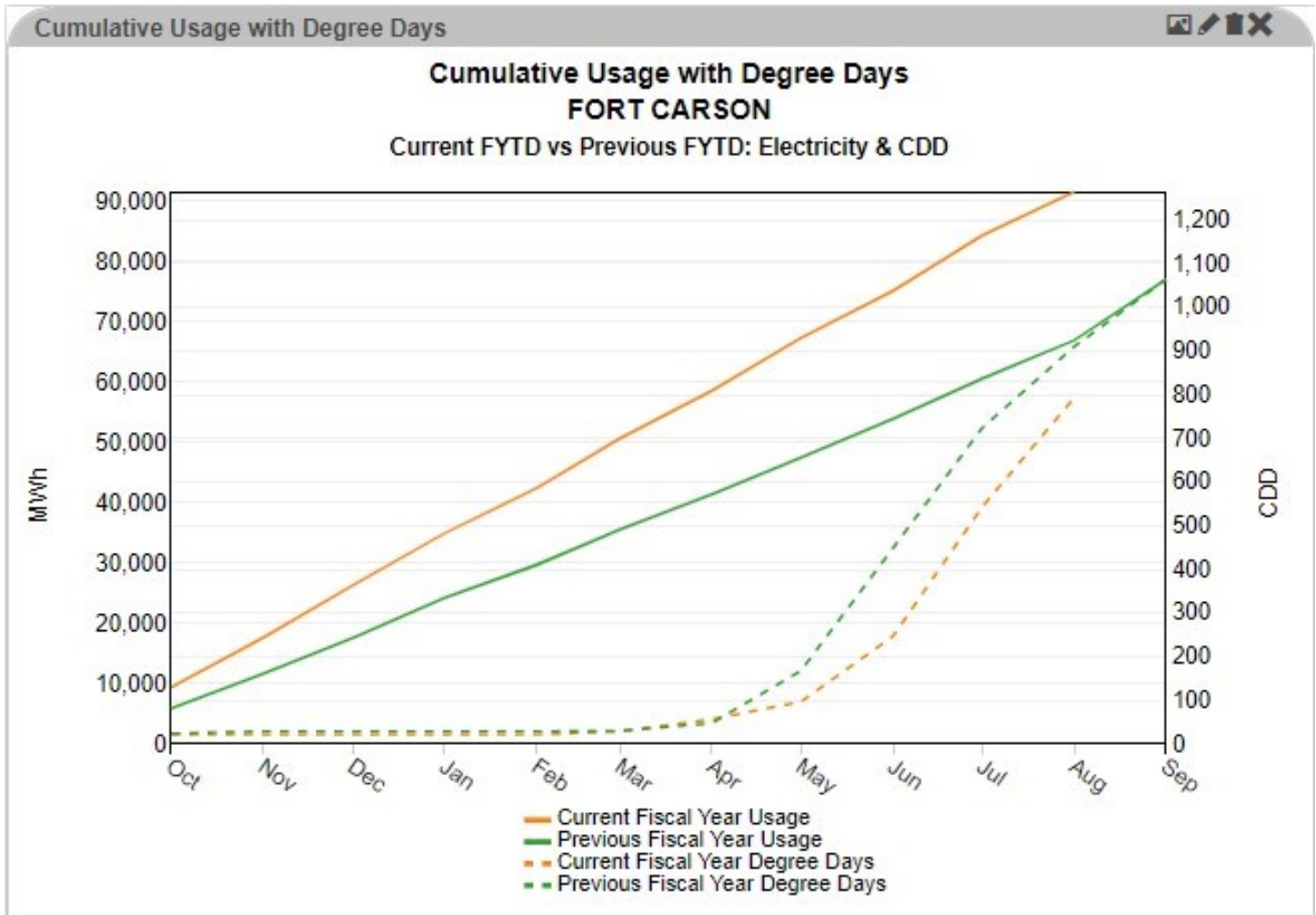
As we strive to provide not only more, but better tools to help you in your day-to-day operations and briefings, we continue to rollout new and enhanced functionality.

Four of the preconfigured reports on the Home dashboard have been improved to give you greater visibility into both the EUI and Usage rankings—both highest and lowest—for all entities in the organization selected, rather than the previous report's top or bottom 10. For example, if you selected the Highest EUI Rank report with the By Site option, selected Region as your organization, then selected Central Region and generated the report, your results would show all of the sites in the Central Region ranked in order of EUI, sorted by highest to lowest. Likewise, if you ran the Lowest Usage Rank report with the By Building option, selected Installation as your organization, then selected Redstone Arsenal and generated the report, your results would show all of the buildings on Redstone Arsenal ranked in order of usage, sorted by lowest to highest.

A popular new addition that was showcased at the Energy Exchange in Denver is the Cumulative Usage with Degree Days Report. This report is located on the Home

dashboard with the other preconfigured report templates. It allows you to pick either a site or a building with your commodity and generate the report as shown in the example below.

The resulting report trends your usage—in MWh—current FYTD versus previous FYTD, as well as cooling degree days (CDD) current FYTD versus previous FYTD. This can help you determine whether or not a higher current FYTD usage corresponds to a higher number of CDDs.



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ENERGY EXCHANGE

MDMS was on display at the 2019 Energy Exchange in Denver, Colorado Aug. 20-22 as MDMS contractor General Dynamics Information Technology showcased demonstrations of the MDMS. The team demonstrated the upgraded MDMS functionality, new modules and reports, as well as some of the potential new Commercial Off The Shelf (COTS) capabilities.

The motto for this year's conference was Be Efficient and Resilient, which energy.gov says, "resonates across DOE, the federal government, and the private sector, as all parties strive to support Administration's goals and ensure Federal agency missions through optimized federal operations and replicable cost effective and resilient projects."

Energy Managers (EMs), Resource Efficiency Managers (REMs), Energy Engineers and many others representing various Army installations came by the MDMS booth to see the MDMS Program Team and talk in detail about their specific interests and challenges, as well as look at the new functionality. In-depth discussions with two particular Energy Managers lead to the MDMS User Outreach team—Mr. George "Buster" Barksdale and Ms. Kecia Pierce—gaining their first two volunteers for the Trail of Champions. For those of you that have been on some of the recent training webinars, you will recall that Barksdale and Pierce are always asking for volunteers to step up and be champions of MDMS.

We will be covering the investigations, challenges, actions, and successes along the way with these two installations. We look forward to working with both Picatinny Arsenal and Fort Lee. If you would like to volunteer to be a champion, please reach out to the AMSD. See more about the Trail of Champions on page 3.

Numerous representatives from Army Leadership stopped by the booth to see the latest MDMS, understand what capabilities were being provided to end users, how users were utilizing the new capabilities, how many users were actively logging into the system and joining the training webinars, as well as get an update on meter network connectivity challenges. Mr. J. E. "Jack" Surash, Deputy Assistant Secretary of the Army for Energy and Sustainability stopped by to see what enhancements had been made since he saw the system last. Surash was pleased with the progress and offered suggestions for a couple of tweaks to make the AEWRS FYTD Comparison

report more meaningful to users.

Ms. Valerie Hines, Headquarters, Department of the Army Office of the Assistant Chief of Staff for Installation Management (OACSIM) and Mr. David Williams, Headquarters, USACE stopped by the booth to meet the MDMS team and take a look at the system first-hand. They both were very appreciative of all the training webinars being conducted, as well as the informational, training and troubleshooting content within the newsletters. Hines said she would like to see more success stories from the sites and installations, so she will enjoy upcoming articles about our champions and their on-going progress.

Based on the conversations with several from the Leadership Team, it looks like the MDMS User Outreach Team will be heading to the Pentagon in early October to present MDMS to The Honorable Alex Beehler, Assistant Secretary of the Army for Installations, Energy and Environment.

Both the Army's Metering Program (AMP) and the MDMS teams provided presentations at the Energy Exchange: Mr. Bryan Rogers, Program Manager, AMP spoke on "What to Do with Meter Data and Understanding the Total Investment of your Meter Network" and Mr. George "Buster" Barksdale, CEM and System Energy Engineer, MDMS trained on the Monitoring Commissioning (MCx) Process and how to maximize energy savings. Both sessions were heavily attended and interest in the AMP and MDMS continue to grow.



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TRAIL OF CHAMPIONS

As mentioned in the previous article, two particular Energy Managers in attendance at the Energy Exchange conference became two of the first volunteers for becoming MDMS champions. We will be detailing the discussions, investigations, challenges, actions and remedies, as well as the results and successes along the way with this effort. We look forward to working with all of our champions and invite more of you to join the journey.

The trail/journey essentially consists of the following stages—or levels of involvement—in the Monitoring Commissioning (MCx) process.

- **Platinum**: Identifying and addressing the next level control system overrides of the MCx process.
- **Gold**: Full-scale implementation of remedies and tracking the results. Identified positive results from the measurement and validation activities.
- **Silver**: Established a plan for moving forward and implemented first stage of MCx process.
 - Fort Polk (with IMCOM involvement)
- **Bronze**: Began initial discussions on laying out the specific program tailored to that installation and have already met with the shops.
 - Fort Bragg
 - Fort Carson
 - Picatinny Arsenal
- **Exploratory**: Began discussions on interest in the program and what's required.
 - Fort Lee
 - Fort Irwin
 - Red River Army Depot

Stay tuned for more details regarding the program. If you would like to volunteer to be a champion, please reach out to the AMSD.

GIS UPDATE

Many users have been asking about getting the latest GIS data updates from OACSIM. Good news is that the MDMS team has deployed the updated GIS to production. The refresh added 3,457 buildings, taking us from 44% to 95% of buildings metered in MDMS displaying on the GIS map.

One Energy Engineer brought it to the attention of the AMSD that their installation did not have a local GIS team. The MDMS team reached out to OACSIM for guidance and were informed that the OACSIM Installation Geospatial Information & Services (IGI&S) Program is currently in the process of preparing and delivering a GIS data set for all installations for MDMS. This data should include boundaries, roads and buildings at a minimum.

