



DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT JACKSON
4325 JACKSON BOULEVARD
FORT JACKSON SC 29207-5016

IMFJ-PWE (200-1)

MEMORANDUM FOR ENVIRONMENT & ENERGY MEETING ATTENDEES

SUBJECT: Minutes of Environment & Energy Meeting

1. Under the provisions of AR 200-1, "Environmental Protection and Enhancement," and AR 420-1, "Army Facilities Management", the Fort Jackson Environmental Quality Control Committee (EQCC), Qualified Recycling Program (QRP) Board Members, and Garrison Energy Steering Committee met at 1430, 16 July 2015, in the Post Conference Room.

2. Attendees: 14 Members present.

3. A quorum was present for the duration of the meeting.

4. Agenda: QRP Update, QRP Proposed Projects/Voting, Sustainability Management System (SMS) & Enterprise Environmental Safety and Occupational Health-Management Information System (EESOH-MIS) Update, Reuse & Recycling Opportunities, and Energy Update.

5. Significant discussion points:

a. Ms. Barbara Williams, Acting Environmental Division Chief, welcomed the Committee members and thanked everyone for attending. She briefed on Reuse & Recycling Opportunities and two QRP Proposed Projects: Upgrade Chemistry Controls and Install Filtration in all Central Energy Plants, Cost: \$171.5K, and Cleaver-Brooks Boiler Control System, Cost: \$33K. The proposals were approved unanimously by the board; subject to the availability of funds. Two other projects did not contain enough details to determine if they met the criteria. These may be e-mailed to board members later for electronic voting.

b. Ms. Yvonne McCarty, DRM-Mission, reviewed the Financial Report, as of 30 June 2015. It was recommended that the balance of funds available in the Installation Recycle Funds Status Report be split 50/50 between QRP projects and MWR. A motion was made to vote later via email if cap need to be reduced - it was approved unanimously.

c. Ms. Ann Garner, Operations and Maintenance Division Chief, provided details on the two proposed projects for QRP funding and briefed the Energy Update.

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6. COL Ellerson closed the meeting by reminding attendees to visit the Reuse Center before buying hazardous material and submit an authorized usage list to them. He also encouraged everyone to take advantage of the new recycling opportunity for concertina wire and submit proposed projects for QRP funding.
7. The meeting was adjourned at 1530.



JAMES W. ELLERSON, JR.
COL, AD
Commanding



Environment & Energy (E&E) Meeting

**(Combined Environmental Quality Control
Committee, Recycling Board, and Garrison
Energy Steering Committee Meetings)**

16 July 2015



Agenda



1. Qualified Recycling Program (QRP) Financial Report-
Yvonne McCarty
2. QRP Proposed Projects/Voting – Barbara Williams
3. SMS & EESOH-MIS Update – Tameria Warren
4. Reuse & Recycling Opportunities - Barbara Williams
5. Energy Update – Ann Garner
6. Open Discussion
7. Closing Remarks - COL Ellerson



Qualified Recycling Program (QRP) Financial Report

Yvonne McCarty
DRM, Financial Analyst
751-7106

deborah.f.mccarty.civ@mail.mil



Recycle Fund Status

1 Oct 14 – 30 Jun 15



- Beginning Balance: \$1,125,468
- Collections: \$1,146,221
- Disbursements: \$415,916
- Current Balance: \$1,855,774
- Available for Projects: \$356,515
- Expecting an additional ~\$500K for projects in Oct 15



QRP Proposed Projects/Voting

Barbara Williams

Chief, Environmental Management Branch

751-6858

barbara.s.williams38.civ@mail.mil



Upgrade Chemistry Controls and Install Filtration in all Central Energy Plants



- Project cost: \$171K
- Total Annual Savings: > \$70K
- Deters scaling and biological growth, which maximizes heat transfer (more energy efficient)
- Reduces maintenance frequency & repair costs
- Improves reliability of heating and cooling to hundreds of buildings on Ft Jackson

O & M Division – Ann P. Garner, PE



Cleaver-Brooks Boiler Control System



- Project cost: \$300K
- Total Annual Savings: \$52K
- Extends equipment life & lowers maintenance cost
- Controls facilitate efficient boiler combustion/ops, which decreases pollutants
- Provides remote monitoring: detect/repair trending problems vice responding to catastrophic failures

O & M Division – Ann P. Garner, PE



SMS & EESOH-MIS Update

Tameria M. Warren
SMS/GP/P2/EPAAS

751-5905

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Sustainability Management System (SMS)



- Purpose: Address environmental issues while supporting mission requirements and community concerns
- Requirement to conduct planned management reviews
 - E&E Meetings
 - Environmental performance of Fort Jackson
 - Output/recommendations from leadership
- Cross Functional Team (CFT)
 - Meets quarterly to assess activities, identify problems, and establish goals/action items
 - ENV, DPW, PAIO, AAFES, Safety, MWR, G4, MEDDAC



SMS Update



- Reviewed all activities and determined impacts to environment
- Identified Significant Concerns
 - Facility activities (energy/water efficiency)
 - Construction activities (environmental/other requirements)
 - Food service activities (food waste management)
 - Open dumping (recycling/waste management)
- Sep 15: develop objectives (goals) & targets (action items)



Enterprise Environmental Safety and Occupational Health- Management Information System (EESOH-MIS)



- Systems approach to tracking hazardous materials (HM)
- Online request, approval, and tracking of materials
 - Exemptions: Ammunition, pesticides, medical materials
- Army-wide implementation
- Logistics Readiness Center (LRC) is proponent. Environmental, Safety, Preventive Medicine, and Fire Department provide supporting roles
- Goal: reduce life-cycle costs by purchasing most effective and sustainable products



Implementation Steps



- Pre-Implementation Site Visit: 23-25 Jun 15
 - Identified locations and procurement processes
- Ongoing:
 - LRC finalizes logistics of tracking materials
 - S-4s, supply personnel, GPC holders must:
 - Register CAC in Air Force Portal
 - Complete and turn in DD 2875 to ENV
 - Create and submit Authorized Usage List (AUL) to Reuse Center. Early submittal will expedite future procurement.
 - Attend 2- 4 hour training session
- Full Implementation Training: 15-24 Sep 15
 - Army Education Center



Implementation Steps



- All organizations (including tenants) must submit AULs to the Reuse Center by 31 July 15
- The following have made submissions:
 - 369th AG BN (SSI)
 - 2-13th INF BN (193rd BDE)
 - Range Operations (DPTMS)
 - Police Department (DES)
 - Johnson Food Service



Reuse & Recycling Opportunities

Barbara Williams
Chief, Environmental Management Branch
751-6858

barbara.s.williams38.civ@mail.mil



Reuse Center



Available items: paint, spray paint, cleaning supplies, POLs, printer toner, etc.



Reuse Center



- Location: 2558 Essayons Way
- Hours of Operation: Mon-Fri, 1000-1400
- Drop off or pick up usable hazardous materials (HM) at no cost
- No paperwork required
- Available to organizations & housing residents
- ALWAYS check here before you buy any HM



Concertina Wire





Concertina Wire



- Found a local recycler that takes it as is.
- Roll-off bin located at Recycling Center.
- Three ways to recycle:
 - Bring wire to the Recycling Center & receive funds through the Unit Incentive Program.
 - For large quantities, call 751-4208 to have a container brought to the site.
 - Call 751-4732/7171 with specific location or coordinates of abandoned sites.



Upcoming Events



- Environmental Compliance Officer Training
 - 21- 22 Jul, Post Safety Center
 - 22- 23 Sep, Post Safety Center
- Shred Day
 - 26 Aug, Recycling Center
- EESOH-MIS Implementation Training
 - 15-24 Sep, Army Education Center



Take-Aways



- Visit the Reuse Center before buying HM
- S-4s, supply personnel, GPC holders must:
 - Register CAC in Air Force Portal
 - Complete and turn in DD 2875 to ENV
 - Create and submit AUL to Reuse Center
- Recycle concertina wire or call 751-4732/7171 with locations of abandoned sites.
- QRP has funds for projects every year- take advantage of this by submitting projects.



Energy Update

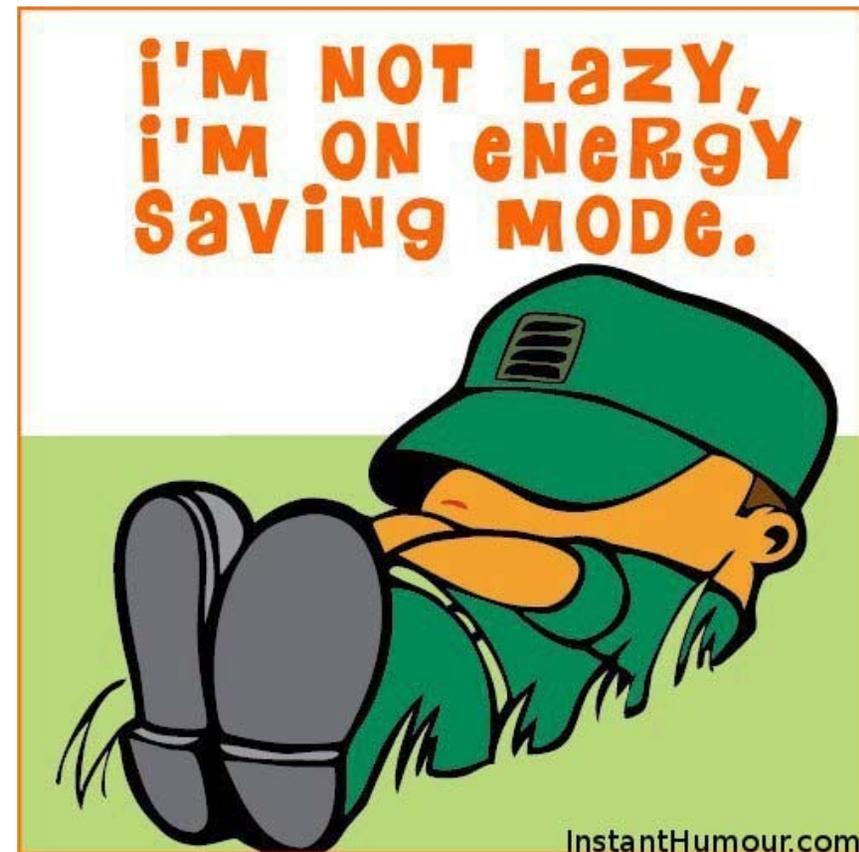
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Energy Agenda



- Public Service Announcement video
- 2015 Executive Order
 - Planning for Federal Sustainability in the next Decade
- NORESO Highlights
- FJ Energy Data
- Energy Family Feud





Energy PSA



- Saving energy is easy with a little support
- <https://www.youtube.com/watch?v=DUqwaelCD7I&list=PL001853882BF77667&index=7>





EO: Planning for Federal Sustainability in the next Decade*



- Reduce GHG 40% (2008 BL)
- Reduce energy intensity 25% (2015 BL)
- Increase use of renewable energy 30% (2015 BL)
- Decrease potable water use 36% (2007 BL)
- Increase non-tactical fleet zero emission vehicles 50%



* "Shall....where lifecycle cost effective...subject to availability of appropriations"



EO: Planning for Federal Sustainability in the next Decade (cont)



- New construction goals (net zero energy, net zero water, etc)
- Contract acquisition and lease requirements have sustainability criteria, metrics & goals
- Creation of Sustainability Professional PD

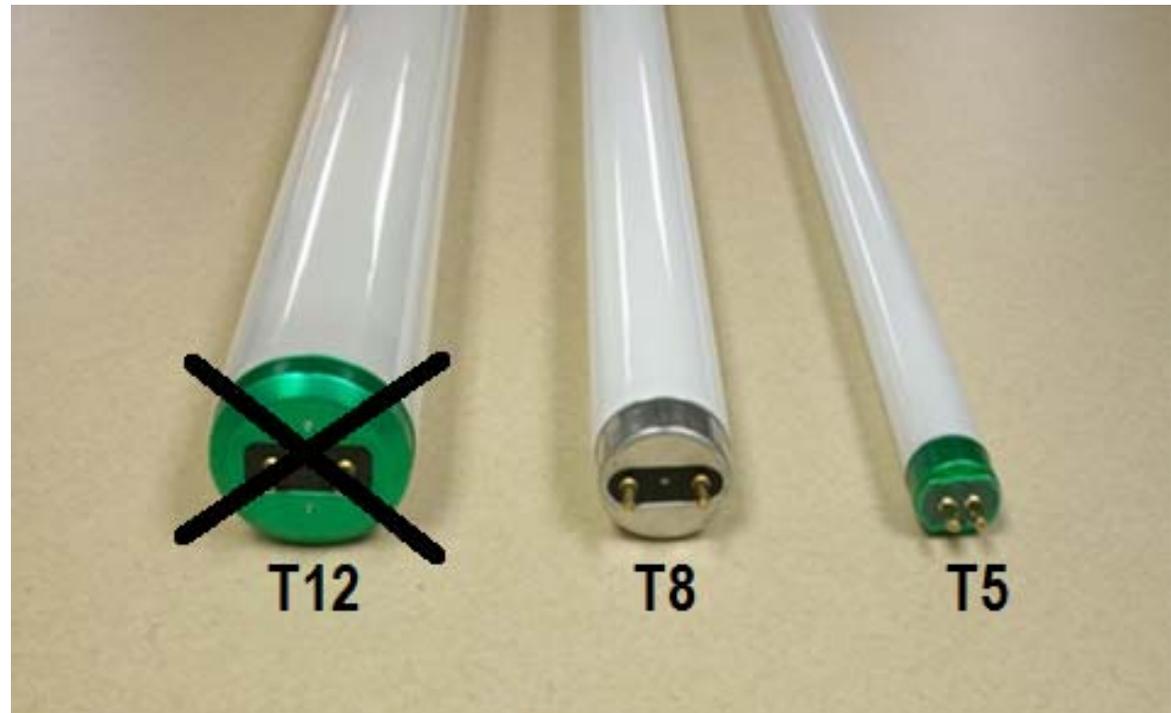




Noresco Highlights



- Energy Savings Performance Contract (ESPC) for Ft Jackson
- \$40M 22 yrs
 - Lighting Improvements
 - Water Conservation
 - Controls Systems
 - Central Plant Upgrades
 - Measurement & verification



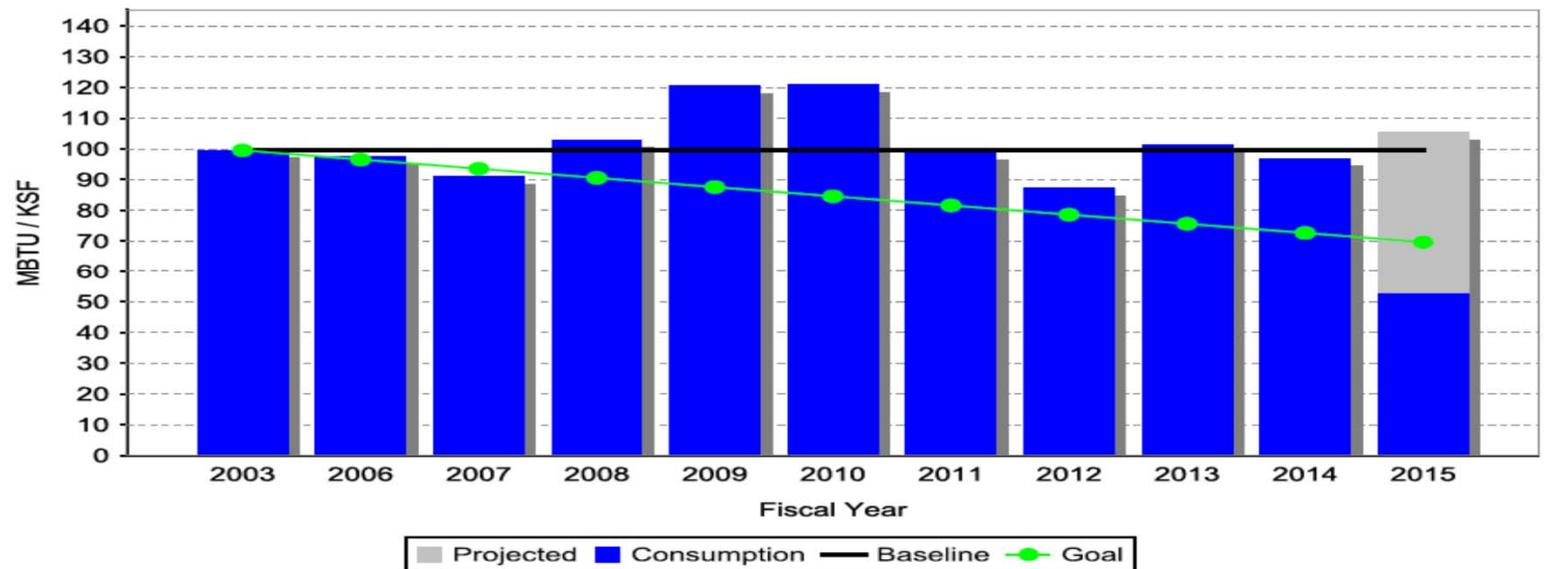


FJ Energy Data



- Since 2007 saved enough water to fill Knights Pool 119 times.
- Energy Intensity has remained around the baseline.

ENERGY INTENSITY



If a projected bar is shown for the current fiscal year, the blue area is based on actual consumption and KSF data entered, while the gray area projects the year end consumption per unit area if consumption continues at the same rate.



Energy Family Feud



- List 4 major sources of residential energy consumption





Energy Family Feud



- List top 4 household plug loads





Questions



CONSERVATION

There's more than one way to save energy





Open Discussion



Closing Remarks

COL Ellerson



Next E&E Meeting

15 October 2015
1430 hrs

**INSTALLATION RECYCLE FUND STATUS
AS OF 30 JUNE 2015**

	CURRENT STATUS	TOTALS
BEGINNING BAL AS OF 1 OCT 14		\$ 1,125,468.35
COLLECTIONS:		
APF-OCT 14	\$ 20,703.91	
NOV 14	\$ 17,882.70	
DEC 14	\$ 13,997.62	
JAN 15	\$ 15,233.87	
FEB 15	\$ 9,243.88	
MAR 15	\$ -	
APR 15	\$ 21,561.62	
MAY 15	\$ 4,851.24	
JUN 15	\$ 1,042,746.11	
TOTAL COLLECTIONS:		\$ 1,146,220.95
DISBURSEMENTS:		
APF Expenses		
NAF Expenses (Jun14-Jan15)	\$ 203,676.16	
NAF % OF Collections	\$ 184,043.34	
Recycle Containers	\$ 28,196.00	
TOTAL DISBURSEMENTS:		\$ 415,915.50
BALANCE IN ACCOUNT		\$ 1,855,773.80
OUTSTANDING COMMITMENTS:		
NAF Operating Expense		
Feb-15	\$ 20,100.18	
Mar-15	\$ 22,563.14	
Apr-15	\$ 20,368.25	
May-15	\$ 25,563.04	
TOTAL COMMITMENTS:		\$ 88,594.61
BOARD APPROVED PROJECTS:		
Front Load Dumpster	\$ 5,000.00	
Wall Enclosure at QRP	\$ 5,000.00	
TOTAL QRP PROJECTS:		\$ 10,000.00
TOTAL OTHER PROJECTS:		\$ -
TOTAL APPROVED PROJECTS		\$ 10,000.00
AVAILABLE FOR PROJECTS:		\$ 356,514.65
ESCROW ACCOUNT		\$ 400,000.00
TOTAL FUNDS AVAILABLE		\$ 1,000,664.54