

Energy Huntsville Opportunity Report May 2013



Steve Reed
steve@steve-reed.com
256.520.8100

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\$7B

2018

About Us – Energy Huntsville

- Built on collaboration
- Feed us opportunities
- Basis of dialog
- Opportunities for everyone
- Living document



Let the Opportunities Drive the Discussion

Presentations and Opportunities

Presentations

www.energyhuntsville.com/presentations

New Website Army Corps of Eng

<http://www.hnc.usace.army.mil/BusinessWithUs/Contracting.aspx>

NetZero by 2018

Fort Bliss unveils microgrid power system

By David Burge / El Paso Times

Posted: 05/17/2013 12:32:16 AM MDT

FORT BLISS -- Fort Bliss is on the leading edge of a Department of Defense effort to cut energy costs and make its military installations more energy secure.

On Thursday the Army's first "integrated microgrid" power system was unveiled in front of a group of officials from Fort Bliss, the Department of Defense and Lockheed Martin.

The system was installed by defense contractor Lockheed Martin at the 1st Brigade Combat Team, 1st Armored Division's dining facility and will be used to power the dining hall.

The \$2.4 million demonstration project combines renewable energy, energy storage and computer systems and controls to better manage energy flow, officials said.



Sgt. Ben Kelly joined Jim Gribshaw, holding scissors together, to cut the ribbon on the new Department of Defense grid tied microgrid Thursday on post. Gribshaw is director of energy programs at Lockheed Martin. (Victor Calzada / El Paso Times)

Energy Department Announces Over \$16 Million for Innovative Small Businesses Focused on Energy Technologies

- Energy Department will award 88 grants to small businesses
- Develop clean energy technologies with a strong potential for commercialization and job creation
- These awards, totaling over \$16 million in investments
- Develop advanced power plant instrumentation to provide 3D imaging
- A project to develop printable organic LED lighting panels (OLEDs)

http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=879

Redstone Arsenal Renewable Energy Project

- Solicitation W912DY-13-R-0051
- Sources Sought for a large scale, renewable energy project
- Army intends to procure renewable energy (combined heat and power) from a Renewable Energy Generation System (REGS)
- REGS will supply both power and steam (a minimum of 20 megawatts of power and a maximum of 520,000 klbs/year of steam) utilizing an Energy Service Contract.
- All interested companies are encouraged to prepare a response, which closes on June 7, 2013

MATOC PPA Awards

HEADQUARTERS



US Army Corps of Engineers

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HOME ABOUT BUSINESS WITH US MISSIONS LOCATIONS CAREERS MEDIA LIBRARY CONTACT

- The total amount for all awards not to exceed \$7 billion.
- The contracts will be used to procure reliable, locally generated, renewable and alternative energy through power purchasing agreements.
- http://www.al.com/business/index.ssf/2013/05/army_corps_of_engineers_huntsv.html
- <http://www.armyeitf.com/index.php/opportunities/procurementactions>

American Energy Spectrum

ENERGY GENERATION



ENERGY CONSUMPTION



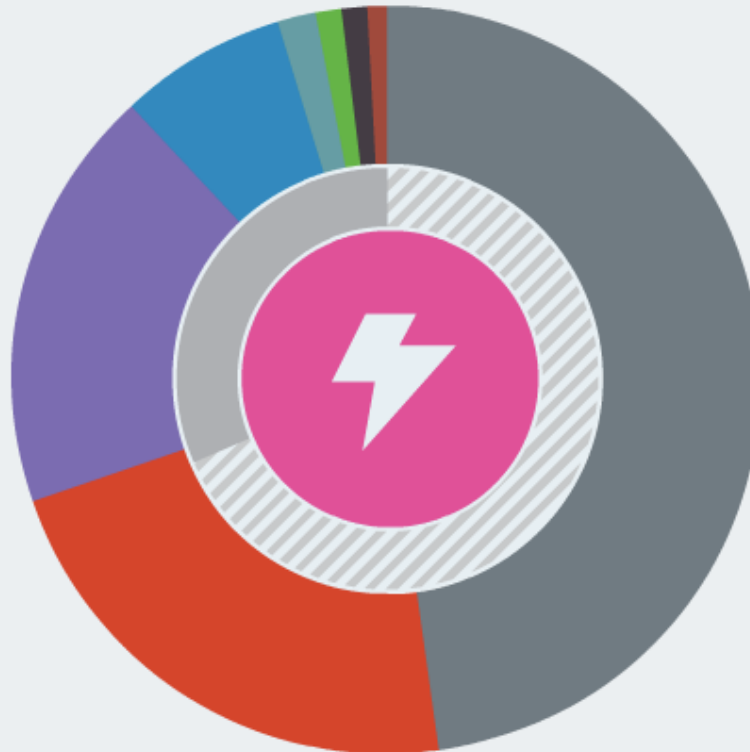
ELECTRICITY

38.2

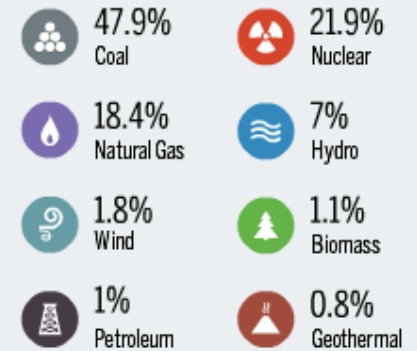
QUADRILLION BTU



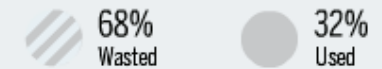
THE AMERICAN ENERGY SPECTRUM



SOURCES OF ELECTRICITY



ENERGY USE VS. WASTE



Q Btu: One British Thermal Unit would heat one

<http://www.go-to-market-solutions.com/blog/>

Opportunity Document

April 2012 EH Opportunity Presentation.xlsx

100%

Home Layout Tables Charts SmartArt Formulas Data Review

Font: Verdana 11, Alignment: Wrap Text, Number: General, Format: Normal, Cells: Insert, Delete, Format, Themes: Aa

	C	E	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Energy Huntsville Opportunites														
2	Title	Agency	Possible NAICS	Reference	Additional References	Operational Energy	Building Energy	Solar	Wind	Biomass	Geo Thermal	Water	Hydrogen	Adv Manf	Vehicles / Engines
10	Maintenance And Minor Repair Services At Government Petroleum Facilities	Army Corps Of Engineers	424710	https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc											
11	Resource Efficiency Management Program	Army Corps Of Engineers	541330	https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc											
12	Plug and Play Photovoltaics	Dept of Energy		https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc	https://eere-exchange.energy.gov/			Y							
13	Physics of Reliability Photovoltaics Technology	Dept of Energy		https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc	https://eere-exchange.energy.gov/			Y							
14	Hydropower Advancement Project (HAP) Standard Assessments to Increase Generation and Value	Dept of Energy		https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc	https://eere-exchange.energy.gov/							Y			
15	HVACR to Home Performance: Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) Contractor Expansion into Whole House Residential Energy Efficiency Services, Request for Information	Dept of Energy		https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc	https://eere-exchange.energy.gov/			Y							
16	Bio-Oil Stabilization and Commoditization	Dept of Energy		https://www.fbo.gov/index?_p=sort=current_posted_date-d-desc	https://eere-exchange.energy.gov/										

Sheet2

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