



▶ FEATURE: ENERGY CONSERVATION ..... 1

▶ SAME SPOTLIGHT: MEMBER OF THE MONTH ..... 1



▶ PRESENTER'S BIO ..... 2



▶ SCHOLARSHIP WINNERS EXPRESS THANKS ..... 3

▶ SPOTLIGHT ON SUSTAINING MEMBER FIRM ..... 3

○ JULY 2009 | ○ www.same.org

# THE FLYER

Newsletter of the Robins AFB Post: Society of American Military Engineers



**Preview of July 2009 SAME presentation, entitled "Hierarchy of Energy Conserving Opportunities."** This presentation will be given by Mr. Greg Caffarel, PE, CEM, LEED-AP Energy Services Manager, Lockwood, Andrews & Newman, Inc.

## Hierarchy of Energy Conserving Opportunities

This month's presentation will discuss the importance developing an energy strategy as the cornerstone of an effort to reduce energy consumption and how best to sustain the reduction. The service of energy audits have been marketed and sold by a variety of companies from engineering firms to manufacturers of energy consuming devices to energy services companies and even electric and gas utilities. Often, the energy conserving opportunities (ECOs) selected were not in the best interest of the consumer but in the best interest of the firm providing the auditing service. Energy Audits came into practice in the 1970s during the energy crisis in 1973 and again in 1979. Over the last few decades as energy prices have wildly fluctuated the audit process has had to adapt. The days of selecting the low hanging fruit are gone and what is required for a successful audit is knowledge of the integration of all building systems especially the environmental controls. One of the many challenges we face is the energy reduction mandates established in the Energy Security Independence Act of 2007. A successful energy strategy takes into account the current energy consumption as a comparison to like facilities. It also examines historical use and then establishes goals for the future. When using a barometer, a series of readings is required to inform us of the trending forecast and so it is the same with energy consumption. We need to know if consumption is rising, falling or remaining steady and how it compares to similar use facilities taking into account the impact of weather.

This presentation will discuss current day energy audit practices and strategies that develop a hierarchy of the developed energy conserving opportunities. Emphasis will be given on how to identify and implement such opportunities and more importantly how best to sustain the impact of these opportunities.

*Read about the presenter on page 2.*



## SAME Spotlight: Member of the Month

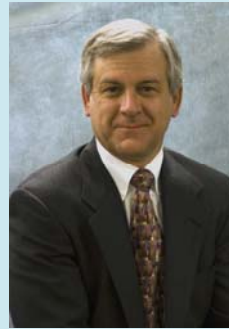
Bill Nagel, Project Engineer with Geosyntec Consultants, is this month's SAME Spotlight Member of the Month. Bill has been with Geosyntec for 13 years and has also served as a civil/environmental engineer at a state agency in the public sector for three years. He has been an active member of the SAME Robins Post since 2004 and has served as the Post Secretary for the past three years.

*"Member of the Month" continued on page 2.*



## Presenter's Bio: Mr. Greg Caffarel Lockwood, Andrews & Newman

Greg Caffarel, PE, CEM, LEED AP, is LAN's Energy Service Manager and has over 30 years of experience in developing and assessing energy management programs for large commercial, industrial and municipal clients. His focus is on utility rate analysis, energy auditing, retro and re-commissioning of existing facilities and full building commissioning for new facilities for projects throughout the United States. Mr. Caffarel advocates the best approach for his clients in dealing with energy issues is to develop both a short term and a long term Energy Strategy.



He began his career in 1977 at Dallas Power and Light, later TU Electric, performing engineering services involving electric utility distribution design and construction. Later Mr. Caffarel helped to design TU Electric's Demand Side Management Programs including the use Cool Thermal Storage. He was also responsible for marketing the Demand Side Management Programs to the utility's customer base where they were successful in implementing over 150 cool thermal storage projects resulting in over 65,000 kW of shifted load in less than 5 years. In 1992, Mr. Caffarel earned an Innovators Award from the Electric Power Research Institute for being the first to employ EPRI's Stratified Chilled Water Design Guide for the design of the diffusers in the 2.7 million gallon stratified chilled water storage system for Texas Instruments in Dallas which shifted over 3,500 kW. In 2000 he began working with 3D/ International helping to develop their Condition Facility Assessment Program and during that time he was responsible for assessing over 500 million square feet of facilities ranging from office buildings to K-12 and higher educational facilities to various support facilities on Army and Air Force installations worldwide. Mr. Caffarel earned his Bachelor of Science in Electrical Engineering from Louisiana State University and his MBA from Amber University in Texas.

*"Member of the Month" continued from page 1.*

Bill received his degrees through a cooperative engineering program, where he earned BS degrees in Math Physics and Civil Engineering from the University of New York College at Fredonia (SUNY Fredonia) and University of Buffalo, respectively.

He and his wife Kaye reside in Warner Robins with their dog, Missy.

## WHAT'S COMING UP...

The next Robins Post General Meeting will be held on 15 July 2009 at 11:30 am. The meeting will be held in the Horizon's Atrium. All are welcome.



### Upcoming Dates in 2009

**15 July:** 1130 a.m.: SAME General Meeting immediately followed by SAME Robins Post Board/Officers' Meeting. Mr. Greg Caffarel will be presenting on Energy Conservation.

**19 August:** 1130 a.m.: SAME General Meeting immediately followed by SAME Robins Post Board/Officer's Meeting.

## SAME Mission

"To promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public and private sector engineers, and related professionals."

## SAME Vision

"To be a premier global engineering organization leading the professional and personal growth of all members in support of military readiness and development of solutions to national security challenges."

# "Thank You" from SAME Robins Post Scholarship Winners

The SAME Robins Post Scholarship winners Ms. Colby Wilkason and Ms. Meredith Freeman express their appreciation for receiving their \$2,500 awards.

Ms. Wilkason, who graduated as Salutatorian of Warner Robins High School, plans to study engineering this fall at Harvard University. She was the WRHS STAR student for having the highest SAT scores at her school, an AP Scholar, and garnered a total of 30 international, national, state, and regional science awards. She was also active in band, Beta Club, varsity tennis, and the student council.

Ms. Freeman, who graduated as Valedictorian of Perry High School, will study engineering at Georgia Tech this fall. She was a member of her school's varsity soccer, cross-country, and swim teams. In addition, Ms. Freeman was active with the National Honor Society, student council, Future Farmers of America, Future Business Leaders of America, and her church youth group.

Dear Ms. McCoy, Mr. Coats, and members of SAME,  
I am honored and grateful to be the recipient of the 2009 SAME scholarship. As I told Mr. Coats the other night at the awards ceremony, I will be attending Harvard University in the fall. Your generous scholarship will most likely be used to buy a laptop so that I am better able to pursue my engineering degree. Thank you again for the scholarship.  
Sincerely,  
Colby Wilkason



Dear Ms. Rebecca McCoy and the men and women of the Robins Air Force Base Post of the Society of American Military Engineers,  
Thank you so much for selecting me as one of your scholarship recipients. This scholarship is going to make a huge difference in helping me pay for my college education. I truly appreciate it.

Sincerely,  
Meredeth Freeman



In top photo, Mr. Mike Coats presents Ms. Colby Wilkason with a SAME Robins Post Scholarship Award. In left photo, Ms. Meredith Freeman receives her award from Mr. Coats.

## Spotlight on Sustaining Member Firms: RMT

RMT, originally Residuals Management Technology, was founded in 1977 to provide industry with new environmental solutions, fresh dialogue with regulatory agencies, and groundbreaking technology for improving productivity and risk management. For more than 30 years, RMT has grown and changed to meet the dynamic needs of our clients. Our recent investment in expanding our energy services platform is just the latest example of how we refresh our service portfolio to meet market needs.

RMT is:

- **Experienced.** More than 30 years of experience on 13,000+ projects for over 4,500 clients, including 3,400+ MW of renewable energy and 300 miles of transmission lines.
- **Talented.** Visionary management with over 975 professionals spanning technical, construction, and management disciplines.
- **Disciplined.** Well-developed business practices for decision making, risk management, project management, and health and safety.
- **Preferred.** Consultant for more than one-third of the Fortune 500 and design-build contractor for some of the largest renewable energy facilities across the U.S.

Our professional engineers and geologists support many departments within the Federal Government, including the Navy, Air Force, Army, and Department of Energy. RMT looks forward to a successful partnership with Robins AFB!

### Point of Contact:

Elizabeth T. Boyette

Senior Client Executive, Federal Services

Email: [Elizabeth.Boyette@RMTInc.com](mailto:Elizabeth.Boyette@RMTInc.com)

Phone: 864-234-9102

Cell: 864-386-1671

[www.rmtinc.com](http://www.rmtinc.com)



Top right, Phase I of the Maple Ridge Wind Farm development project will more than quadruple the amount of wind power in New York, a state with a 25 percent Renewable Portfolio Standard designed to be in full effect by 2013. RMT is currently stabilizing over 23,000 cubic yards of lead contaminated soil and sediment at Langley AFB, Virginia.



# Post Officers

## President

Ms. Becky McCoy  
[becky.mccoy@robins.af.mil](mailto:becky.mccoy@robins.af.mil)  
(478) 327-9287

## Vice President

Mr. Scott Hastings  
[scott.hastings@afrc.af.mil](mailto:scott.hastings@afrc.af.mil)  
(478) 327-1102

## Secretary

Mr. Bill Nagel  
[bnagel@geosyntec.com](mailto:bnagel@geosyntec.com)  
(478) 328-6181

## Assistant Secretary

Ms. Jennifer Tribble  
[jennifer.tribble@robins.af.mil](mailto:jennifer.tribble@robins.af.mil)  
(478) 327-8372

## Treasurer

Mr. Griff Cox  
[gary.cox4@robins.af.mil](mailto:gary.cox4@robins.af.mil)  
(478) 327-9269

## Senior Enlisted Advisor

SMSgt. Donald Andreasen  
[donald.andreasen@afrc.af.mil](mailto:donald.andreasen@afrc.af.mil)  
(478) 327-1095

## Executive Directors

Mr. Ric Powers (Emeritus); **National Liaison**  
[richard.l.powers@usace.army.mil](mailto:richard.l.powers@usace.army.mil)  
(478) 926-0290

## Ms. Nancy Manley; **Membership**

[nancy.manley@robins.af.mil](mailto:nancy.manley@robins.af.mil)  
(478) 926-3533 x 28100

## Directors

Mr. Judah Bradley; **Programs**  
[judah.bradley@robins.af.mil](mailto:judah.bradley@robins.af.mil)  
(478) 926-6163

## Mr. Ken Branton; **Programs**

[kenneth\\_branton@urscorp.com](mailto:kenneth_branton@urscorp.com)  
(678) 808-8907

## Ms. Laurel Cordell; **Programs**

[laurel.cordell@robins.af.mil](mailto:laurel.cordell@robins.af.mil)  
(478) 327-9275

## Mr. Mike Coats; **Education & Mentoring**

[michael.coats@aecom.com](mailto:michael.coats@aecom.com)  
(478) 329-8870

## Mr. Joe Ballard; **National Security**

[joe.ballard@robins.af.mil](mailto:joe.ballard@robins.af.mil)  
(478) 926-3093

## Mr. Shawn Politino; **National Security**

[shawn.politino@afrc.af.mil](mailto:shawn.politino@afrc.af.mil)  
(478) 327-1023

## Mr. Kevin Long; **Financials**

[kevin.long@robins.af.mil](mailto:kevin.long@robins.af.mil)  
(478) 327-3610

## Mr. Steve Hvizdzak; **Events/Small Business**

[steve.hvizdzak@tepa.com](mailto:steve.hvizdzak@tepa.com)  
(478) 922-7751

## Mr. Paul Koch; **Sustaining Memberships**

[pdkoch@mactec.com](mailto:pdkoch@mactec.com)  
(478) 923-5999

## Mr. Mark MacEwan; **(Past President)**

[mark.macewan@aecom.com](mailto:mark.macewan@aecom.com)  
(703) 706-0133

# Sustaining Member Firms

## ALACAD

Carolyn Burgess; [Carolyn.burgess@alacad.com](mailto:Carolyn.burgess@alacad.com)  
(888) 442-3100 / (205) 444-3111

## ALLGOOD

Paul Griggs; [PGriggs@allgoodpests.com](mailto:PGriggs@allgoodpests.com)  
(478) 272-6271 / Fax 272-6286

## AECOM

Mike Coats; [michael.coats@aecom.com](mailto:michael.coats@aecom.com)  
(478) 329-8870 / Fax 329-1062

## AMEC, PLC

Jerry Gacetta; [jerry.gacetta@amec.com](mailto:jerry.gacetta@amec.com)  
(770) 420-2100 / Fax 420-2080

## Applied Software

Ray Howard; [rhoward@asti.com](mailto:rhoward@asti.com)  
(404) 564-1861 / Fax 564-4863

## ARCADIS US

Steven Moes; [steven.moes@arcadis-us.com](mailto:steven.moes@arcadis-us.com)  
(386) 447-4993/Fax 246-3787

## Benham Constructors, LLC

Michael Gwyn; [mike.gwyn@benham.com](mailto:mike.gwyn@benham.com)  
(704) 542-2908 / Fax 759-0081

## Cape, Inc.

Scott Harris; [sharris@cape-inc.com](mailto:sharris@cape-inc.com)  
(478) 923-6788 / Fax 923-6799

## Carothers Construction, Inc.

Benjamin Logan; [blogan@carothersconstruction.com](mailto:blogan@carothersconstruction.com)  
(662) 473-2525 / Fax 473-4519

## CH2M Hill

Frank Miyagawa; [frank.miyagawa@ch2m.com](mailto:frank.miyagawa@ch2m.com)  
(850) 939-8300 x42 / 939-0035

## Donaldson, Garrett & Associates, Inc.

Elaine Hollis-Prichard; [esh@dg-a.com](mailto:esh@dg-a.com)  
(478) 474-5350 / Fax 477-2534

## DYNAMAC CORP.

Georgeann Morekas; [gmorekas@dynamac.com](mailto:gmorekas@dynamac.com)  
(301) 417-6038 / Fax 417-6132

## EMR, Inc.

Lemuel Campbell; [lcampbell@emr-inc.com](mailto:lcampbell@emr-inc.com)  
(478) 953-8857 / Fax 953-1736

## Flint EMC

Ronnie Sanders; [rsanders@flintemc.com](mailto:rsanders@flintemc.com)  
(478) 218-5548 / Fax 218-5539

## Geosyntec Consultants

Bill Nagel; [bnagel@geosyntec.com](mailto:bnagel@geosyntec.com)  
(478) 328-6181 / Fax 929-5120

## Geotechnical & Environmental Consultants

Thomas Driver; [tdriver@geconsultants.com](mailto:tdriver@geconsultants.com)  
(478) 757-1606 / Fax 757-1608

## Leo A Daly

Edward Piekarczyk; [EPiekarczyk@leoadaly.com](mailto:EPiekarczyk@leoadaly.com)  
(404) 874-8333 / Fax 874-8830

## MACTEC Engineering and Consulting

Mike Roach; [fmroach@mactec.com](mailto:fmroach@mactec.com)  
(478) 923-5999 x15 / Fax 923-5776

## Merrick & Company

Douglas Elledge; [douglas.elledge@merrick.com](mailto:douglas.elledge@merrick.com)  
(404) 739-5100 / Fax 739-5101

## MWH Global

Lloyd Hinkle; [Lloyd.a.hinkle@mwhglobal.com](mailto:Lloyd.a.hinkle@mwhglobal.com)  
(865) 773-4597 / Fax (303) 410-4100

## PBS&J

Nate Berger; [nberger@pbsj.com](mailto:nberger@pbsj.com)  
(770) 933-0280 / Fax 933-0691

## RMT

Elizabeth Boyette; [Elizabeth.Boyette@RMTInc.com](mailto:Elizabeth.Boyette@RMTInc.com)  
(864) 234-9102

## ROCHE, Inc.

Neal Reagan; [nealreagan@gmail.com](mailto:nealreagan@gmail.com)  
(478) 272-2792 / Fax 272-1221

## SKE International, Inc.

Phillip Meadows; [pmeadows@skeii.com](mailto:pmeadows@skeii.com)  
(478) 922-9174 / Fax 922-8508

## Technicon Engineering, Inc.

Randy Peacock; [peacockr@technicon-pe.com](mailto:peacockr@technicon-pe.com)  
(478) 743-8415 / Fax 743-8239

## TEPA EC, LLC

Steve Hvizdzak; [steve.hvizdzak@tepa.com](mailto:steve.hvizdzak@tepa.com)  
(478) 922-7751 / Fax 922-7925

## TetraTech, Inc.

Parrish Swearingen; [parrish.swearingen@tetrattech.com](mailto:parrish.swearingen@tetrattech.com)  
(478) 329-1616 x225 / Fax 329-0558

## URS Corporation

Ken Branton; [kenneth\\_branton@urscorp.com](mailto:kenneth_branton@urscorp.com)  
(678) 808-8907 / Fax 808-8400

## Weston Solutions, Inc.

Hilton Culpepper; [hilton.culpepper@westinsolutions.com](mailto:hilton.culpepper@westinsolutions.com)  
(478) 875-3693 / Fax 875-3693 (same)

## WINDAMIR Development & Construction

Kimberly Glover; [kglover@windamir.com](mailto:kglover@windamir.com)  
(770) 436-3500 / Fax 436-9020

## SAME Robins Post Sustaining Member News

**Are you with a Sustaining Member Firm?** If you would like to become one, or if you are not sure of your company's registration status, please contact Mr. Paul Koch, our Sustaining Member Director, at 478.923.5999 or [pdkoch@mactec.com](mailto:pdkoch@mactec.com).