



energy⁺ to care *Greater efficiency supports patient care.*

Daniel E. Bland CHE CEM CHFM

NCHEA Sustainability Liaison to ASHE



I attended the Q4 2018 ASHE Sustainability Liaison Webinar December 15, 2018. One item featured on the webinar was the monthly sustainability tip that is found on the Energy to Care website. Each month a new sustainability tip is added. The latest tip focuses on Energy Star scores. Other tips discuss topics such as: Finding Energy Savings in Places You Didn't Think to Look, Optimum Chiller Performance, How to Get Started With a Self-Funded Energy Sustainability Program, Applying Advanced Analytics, and so on.

I encourage our members to check out the Sustainability Tips at www.energy-tocare.org. And if you have a sustainability tip you would like to share, ASHE is looking for authors!

Tip of the Month

Sustainability Tip of the Month | Tip #13

Yes, Your ENERGY STAR® Score Probably Changed in August

By Clark Reed, National Program Manager, ENERGY STAR, U.S. Environmental Protection Agency

On August 26, EPA released updated models that enable commercial building owners across many U.S. building sectors to calculate revised 1–100 ENERGY STAR® scores based on the latest available market data. These revised models did not include hospitals, medical offices, or senior care communities; hospitals and medical office buildings will likely be updated in late 2019. However, hospital engineers may still have seen minor adjustments to their score. Model updates provide EPA an opportunity to update other factors that go into the calculation of ENERGY STAR scores. Since the electrical grid has become more efficient, Portfolio Manager's Site-to-Source conversion factor for electricity was updated from 3.1 to 2.8. This affects all property types, and EPA calculations show that hospitals will see a small 1- to 3-point increase, on average, in their scores as a result of this change.

EPA also made more significant changes to the score models for offices and warehouses. If your portfolio of buildings includes either of these, then you likely saw the ENERGY STAR scores for these buildings drop sharply. Office scores

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ABTech Community College

2019 NCHEA AB-Tech Community College Scholarship!

For 2019, NCHEA will be continuing our now annual Community College scholarship at Asheville-Buncombe Technical Community College (AB-Tech) in Asheville. Over the next few months we will be meeting with AB-Tech students and leadership, taking scholarship applications, and selecting our 2019 winners to announce at the upcoming Annual Conference in Asheville this August!

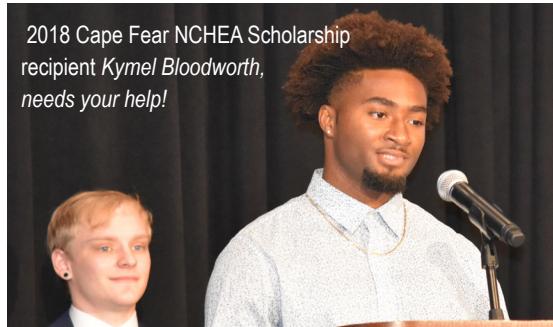


Alex Harwell, Dewberry
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Also, one of our 2018 Cape Fear NCHEA Scholarship recipients, Mr. Kymel Bloodworth, has reached out to our community asking about available positions in the Raleigh and Wilmington areas. Kymel will be completing his Associates Degree in Mechanical Engineering Technology from CFCC at the completion of this coming Spring's semester, and would like to work part time while he is pursuing his Bachelor's degree in engineering.

Kymel can be reached at ktbloodworth371@mail.cfcc.edu

2018 Cape Fear NCHEA Scholarship
recipient Kymel Bloodworth,
needs your help!



DISTRICT NEWS

DISTRICT IV

Date: November 30, 2018

Location: New Hanover Regional Medical Center
Chair- Mike Rich
Vice Chair- Tye Frost
Secretary/Treasurer-Joe Buri

Joe Buri called the meeting to order and welcomed everyone to the District IV fall meeting.

Joe presented the minutes – A motion was made for approval of the summer meeting minutes by Tye Frost; a second was made to approve by Scott Dixon.

Joe thanked New Hanover Medical Center for sponsoring lunch and the venue along with supporting District IV, gave the treasurers report.

Joe introduced Larry Holder (NCHEA President) to provide an update from October's Board meeting.

Larry introduced Nick as the scholarship recipient then highlighted some of the takeaways from the meeting.

- What direction does the NCHEA what to go?
- Develop a strategy, incorporate programs to achieve goals
- Discussed bringing Brian Jenkins back for presentations – Brian presented during the spring seminar
- Recognized Ben Schneider, Children's Hospital, involved for one year and is the serving on the education committee
- Further discussion regarding the scholarship program with Asheville-Buncombe (A-B) Tech in Asheville and meeting with Alex Harvell for a January visit.

□ Discussed apprenticeship program as a recruiting tool for future staff

□ Discussion regarding opening the scholarship program to current employees as possible recipients

• Spring seminar is set for March 13-15. Phillip Johnson is finalizing the spring meeting and sponsorship opportunities will be opening soon.

• Pinehurst has reserved a 9-hole short course for the NCHEA members

• Hurricane Relief Committee – chaired by Rick Holmes

Sponsored by New Hanover Regional Medical Center

"Enduring Hurricane Florence" Presented by:

New Hanover Regional – David Bellegante

CarolinaEast Health System – Scott Dixon

Southeastern Health – Joe Buri

Possibly another District III/IV meeting in June.

Further announcements:
Next meeting in Pinehurst.

Rooms have been blocked for Pinehurst and registration will open in the second week of January

Spring Seminar – Pinehurst, March 13-15

Annual Conference – Grove Park Inn & Resort, July 30 - August 2, 2019

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nationally declined an average of 12 points, while warehouses fell an average of 7 points.

Why the Large Drop?

ENERGY STAR scores compare a building's performance to others in the nation. Because the national building stock has become more efficient over the past decade, on average, ENERGY STAR scores for most building types decreased after these updates. Moreover, it has been 9 years since the last updates to the score models (something EPA normally plans to do every 4 to 5 years). This gap was the result of 2007 survey data not being published for public use as we had been expecting.

Industry Engagement and Review Period for Updated 1-100 ENERGY STAR Scores

EPA has implemented a review period for the new score models that will help ensure that the models are working as intended to deliver energy performance metrics that empower you to make the business case for operating energy-efficient buildings. EPA will work in conjunction with stakeholders and technical experts to conduct this analysis and adjust the scoring models, if needed. This will include further evaluation of score changes for U.S. buildings of different sizes, locations, and fuel mixes, as well as additional types of analysis that are possible now that stakeholders are able to update their data and calculate their revised scores in the ENERGY STAR Portfolio Manager software tool.

During this period, EPA will temporarily suspend awarding certifications for all U.S. property types with new score models. (This excludes hospital, senior care community, multifamily, and data centers, as well as facilities located in Canada, which will continue to be processed normally.) EPA will work to resume certification as soon as possible, and will begin accepting certification applications by property type as each model is evaluated and finalized.

Why Are My Scores Different from the Average?

The two most common questions we've received since the update are:

My score changed more than the average published by EPA. Why?

The averages published by EPA in advance of the updates were based on typical buildings of each type. Your building's score change will vary

Tip of the Month

from the average we published depending on its energy use, fuel mix, business activity, property type, and other variables. Furthermore, by definition, roughly half of buildings of any type should have larger decreases than average, and half should have smaller decreases than average.

I'm seeing wide ranges of changes across my portfolio. Why?

Each building's score is dependent on its particular energy use, fuel mix, business activity, and other variables, so wide ranges are to be expected. To read more about the data analysis and model development behind the ENERGY STAR score, read our technical reference documents.

Tips on How to Increase Your ENERGY STAR score

Replace default values: We added a number of new required property use details for several property types, and populated these with conservative default values. Replace them with actual values to improve accuracy, and possibly your score. Learn more.

Benchmark data center space: If you have data center space within your building, but it isn't metered as required for benchmarking, you have a new option to use "estimated" data to account for the high energy intensity of data center spaces, and possibly increase your score. Learn more.

Check data for accuracy: Confirm that all your other benchmarking data is accurate. Small errors can sometimes have a big impact.

Identify potential projects in your building: Find low-cost opportunities for improvements within your properties using our new Treasure Hunt resources, which many organizations have used to reduce their energy use by up to 15 percent.

If you have more questions, check out our Frequently Asked Questions, or submit your question to the experts at our Help Desk.

About the Author

Clark Reed serves as a national program manager for ENERGY STAR at the U.S. Environmental Protection Agency where he works with hospitals to identify energy opportunities, promote energy efficiency best practices, and recognize top performing buildings.



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Bonnie Smith, Vendor Chair Assistant
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Cecil Watson, Secretary Elect
Dona Noblett, Event Coordinator

HAPPY HOLIDAYS and Safe Travels



On behalf of the NCHEA Planning Committee, Officers and Board Members, we extend Seasons Greeting and a Happy New Year. Sincerely offering best wishes, good health and safe travels to each of you throughout this holiday season. Your NCHEA planning committee is diligently preparing for our 2019 Pinehurst Spring Conference March 13th -15th. As we seek to Elevate Healthcare Engineering, Program Chair Phillip Johnson is finalizing the lineup of educational presentations for what promises a broad range of topics which is diverse and informative.

As always NCHEA wants to recognize and promote the associate members who are so vital to our success. Arthur Blue, Vendor Chair has released 2018-2019 sponsorship opportunities, we encourage our associates to take advantage of the spring and annual sponsorships that are now available.

In keeping with the spirit of the Season, NCHEA is formulating a fund raising event to benefit those impacted by Hurricane Florence. This event will feature Par 3 Golf @ The Cradle, Pinehurst's nine hole par 3 golf course which opened in 2017. Details will be provided by Rick Holmes golf committee in the Spring Brochure.

I look forward to seeing you in Pinehurst.
Sincerely, Larry Holder
NCHEA President 2018-2019


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SPRING SPONSORSHIPS

- Opening Reception \$2500 limited to two (2) can be combined
- Spring Keynote Sponsor \$2000 limited to three (3)
- Spring Lunch Sponsor \$1500 limited to three (3)
- Spring Break Sponsor \$500 unlimited

ANNUAL CONFERENCE & EXHIBITION

- Speaker Sponsor \$5000 limited to FIVE (5)
- Platinum Sponsor \$4000 limited to TEN (10)
- Event Sponsor \$4000 limited to FOUR (4)
- Gold Sponsor \$2500 unlimited
- Silver Sponsor \$1250 unlimited
- Break Sponsor \$500 unlimited

SPRING SEMINAR SPONSORSHIPS AVAILABLE NOW!

ANNUAL CONFERENCE SPONSORSHIPS on limited release*

All the details and benefits will be on our website www.nchea.com under the VENDOR tab. *Contact Arthur Blue for codes for Spring Seminar and Annual Conference premium sponsorships. We worked with survey responses to revive our Benefit Chart for 2019.

nchea.vendorchair@gmail.com



**Arthur Blue will be unavailable
Dec 19 - Jan 6- contact Dona Noblett
for codes, for prime sponsorships
text: 919-608-2104***
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