THE MAINTENANCE

The Monthly Newsletter of the North Carolina Public School Maintenance Association

Volume 60, Number 9 September 2023

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MEETING DATES

The districts of NCPSMA meet twice yearly.

District 1 January, July District 2

January, July Pres. Ronald Moore Phone: 910.296.1875 **District 3**

February, August Pres. Greg Woodard Phone: 252.399.7822

District 4

February, October Pres. Donna Fields Phone: 910.678.2565

District 5

March, September Pres. Justin Dyson Phone: 336.909.2280

District 6

April, October Pres. Chris Adkins Phone: 980.343.4526

District 7 May, November

Pres. Jeff Adams Phone: 336.551.1109

District 8 March, November

V. Pres. Jason Kelly Phone: 828.456.2402

Meeting Dates & LocationsShould be sent to

The Maintenance Beacon two months in advance for publication.

Deadlines

Publication deadline for articles and advertisements is first day of the month prior to month of publication.



Johnson County Schools Hosts District Three Meeting

Johnston County Public Schools hosted the North Carolina Public School Maintenance Association (NCPSMA) District Three Meeting held on August 3, 2023 at Facility Services in Smithfield, North Carolina. District Three President Greg Woodard called the meeting to order. Susan Jones, Facilities Director Johnston County Public Schools, welcomed everyone. She spoke about the importance of proper communication between the maintenance departments and other school staff members. She went on to elaborate how we must collaborate with each other and develop strong networks amongst all departments to keep the school facilities functioning at peak performance.



Immediate Past President Bergie Speaks expressed his gratitude for being able to attend this meeting and interact with such a great group. Recently retired State Vice President Mark Letchworth also gave a brief warm and welcoming message to the attendees.



Attendees



Attendees





Attendees









Attendees



Attendees

continued on page 3

Meetings and Events

51ST ANNUAL NCPSMA EASTERN CONVENTION/WORKSHOP

September 26-29, 2023 DoubleTree by Hilton Atlantic Beach For more info please contact Krisite Payne at 828.565.0115 or office@ncpsma.org

JAY PALMER MEMORIAL SCHOLARSHIP GOLF TOURNAMENT

September 27, 2023 at 1 pm

Brandywine Bay Golf Club, 177 Brandywine Blvd., Morehead City, NC For more info please contact Tournament Director James Palmer III at 336.746.5000 or 336.239.1315 mobile

DISTRICT SEVEN GOLF TOURNAMENT

October 13, 2023 • Lunch at 12 pm • Tee Off 1 pm

Brushy Mtn Golf Course - 300 Golf Course Ln, Taylorsville, NC For more info please contact Robert Hoyle or Kristie Gilbert with Catawba County Schools at 828.464.3562

DISTRICT THREE GOLF TOURNAMENT

October 27, 2023 • Lunch at 12 pm • Shotgun start at 1 pm Wedgewood Golf Course, 3201 Old Stantonsburg Rd., Wilson, NC For more info contact Sue Farmer at 252.399.7823 or sue.farmer@wilsonschools.net

DISTRICT SEVEN FALL MEETING **November 9, 2023**

More information coming soon

DISTRICT EIGHT FALL MEETING

November 14, 2023 at 6:00 pm

Nesbitt Discovery Academy, 175 Bingham Rd. Unit 10, Asheville, NC For more info please contact Krisite Payne at 828.565.0115 or office@ncpsma.org

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Asbestos and Lead-Based Paint Reimbursement Program

Funded by the American Rescue Plan Act (ARPA) NCDHHS - Health Hazards Control Unit (HHCU)

Background

NC Governor Roy Cooper and the General Assembly budgeted and approved \$150 million of nonrecurring funds to address lead in water, asbestos and lead-based paint inspections and abatement of hazards in NC public schools and licensed childcare facilities in Session Law 2021-180 Senate Bill 105. This page addresses questions related to the asbestos and lead-based paint reimbursement program. For information about the lead in water testing and remediation program, see the Clean Classrooms for Carolina Kids program page.

Where Does The Funding Come From?

The American Rescue Plan Act (ARPA) of 2021, is providing one-time federal funding to states and local governments.

Who Qualifies?

NC public schools and charter schools.

NC licensed childcare facilities and family childcare homes.

Are There Requirements For Reimbursements?

NC public schools and licensed childcare facilities must meet the requirements of SB-105, Section 9G.8 and 10A NCAC 41C.1001 through .1007 to be eligible for reimbursement.

Are There Conditions To Getting Reimbursed?

Yes, NC public schools and licensed childcare facilities must have an inspection for asbestos and lead-based paint.

What Can I Be Reimbursed For?

NC public schools and licensed childcare facilities can be reimbursed for asbestos and leadbased paint abatement and remediation activities that meet 10A NCAC 41C .1003 and .1004. NC public schools and licensed childcare facilities can also be reimbursed for replacement materials (commonly referred to as "put-back materials") that meet the requirements in 10A NCAC 41C .1002.

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Johnson County Schools Hosts District Three Meeting

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State President David Martin readdressed the importance of proper communication and comprehension amongst others. He then gave a brief update on the 2023 51st Annual Eastern Convention that will be held September 26-29 at the DoubleTree by Hilton in Atlantic Beach, North Carolina. Over 70 vendors have already signed up to participate and we are anticipating a great convention and encouraged everyone to get their registration in now if they have not already done SO.

Mr. Letchworth stressed the Executive Director Kristie Payne

was not able to attend due to

sickness but offered her support

from afar. Roll was then called,

and the minutes and financial were presented. There was no other old

business. For new business the

district members voted to donate

\$1,000 toward a break for the

51st Annual Eastern Convention

and \$2,000 to the Jay Palmer

Mr. Speaks gave the invocation and

Woodard

everyone to try and volunteer or

participate in the District Three Golf Tournament that will be held

on October 27, 2023 at Wedgewood Golf Course in Wilson, North

Carolina. The rain date will be

reminded

a delicious meal was served.

Scholarship Fund.

President

November 3.





David and Greg Jessup



Donna Ritterpusch



Greg Woodard



Greg, 50/50 Winner Marshall Burrell, Mark Letchworth and David



Greg and Director Winner Charles Richardson



Attendees

continued on page 4



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Labor Day

The first Monday in September is an annual celebration set aside each year to honor workers and recognize their achievements. It originated in a time when the American industry was rapidly expanding but the American workers had few legal protections set in place for them.

In the late 1800s, many Americans were working 12 hours a day for six or seven days a week. Even some children as young as five or six were working in mines, mills and factories. Founder of the United Brotherhood of Carpenters, union leader Peter J. McGuire is given credit for the idea of Labor Day. He suggested and encouraged the Central Labor Union of New York that there be a celebration honoring American Workers. On September 5, 1882, under the sponsorship of the "Knights of Labor," 10,000 workers took unpaid time off to march from City Hall to Union Square in New York City, holding the first "Labor Day Parade" in United States history. There was no significance to the date. It was chosen because if roughly fell between the Fourth of July holiday and Thanksgiving.

The idea spread quickly and in 1887, Oregon became the first state to grant legal status to the holiday. That same year Colorado, New York, Massachusetts and New Jersey established the holiday on the first Monday in September and it didn't take long for other states to follow. The famous Pullman strike in Illinois in 1894, which was a widespread railroad strike and boycott that severely disrupted rail traffic in the Midwest, as well as a series of unemployed workers' riots in Cleveland prompted the United States President Grover Cleveland to propose a bill that would make Labor Day a nation public holiday and was signed into law on June 28, 1894.

What is Labor Day for Most People? For many people it became an end-of-summer celebration or one last long weekend for family get-togethers. For some, it has continued to be celebrated with parades and speeches as well as political rallies, and the day is sometimes the official kickoff date for national political campaigns.

So whatever way you choose to celebrate the Labor Day Weekend, stay safe and enjoy the day!

Kristie Payne





Johnson County Schools Hosts District Three Meeting

continued from page 3

Cash prizes were awarded for a member, director/supervisor and vendor in attendance. William Davis of Wilson County Schools won the member drawing; Charles Richardson of Halifax County Schools won the director/supervisor drawing; Greg Jessup of EduCon won the vendor drawing. The 50/50 drawing (\$203.00) was won by Marshall Burrell of Vance County Schools.

President Woodard asked the

vendors to introduce themselves

and a generous amount of door

prizes were awarded. THANK

YOU, vendors, for your continued

would like to extend a big THANK

YOU to Johnston County School

hosting the event and to the District

Three Officers who always do such

a great job. The next district meeting

will be held in Halifax County.

Department

And we

support of NCPSMA!

Maintenance

Kristie Payne



Greg and Member Winner, William Davis



Vendor Winner, Greg Jessup and Greg Woodard



Judy Aycock



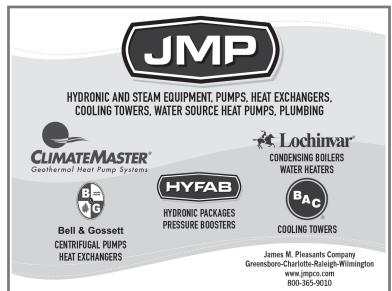
Mark Letchworth

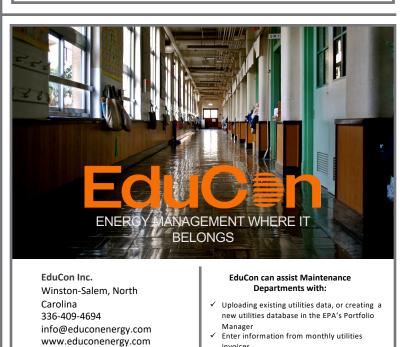


Mark, NCDPI Retired Member John Kuchnia and David



Sue Farmer and Greg Woodard





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Variable Speed Pump

Control in the Age of ASHRAE 90.1-2010/13 • Part Seven

Having It All: ASHRAE Compliance, Area Control (with Few Misses) and Reset It seems painfully ironic that compliance with ASHRAE 90.1 requirement for differential pressure reset might actually prevent engineers from employing PIC valve technology. After all, PIC valves have become extremely popular and for good reason. They save owners the cost of a separate balancing valve and all of the associated hassle of balancing and re- balancing the system. They also do a superb job at keeping zones operating within their control range despite changes in pressure.

Fortunately, there is a way to keep PIC valves in the picture and still meet the ASHRAE 90.1 – 2013 requirement as quoted below.

"Individual chilled water pumps serving variable flow systems having motors exceeding 5 hp shall have controls and/or devices (such as variable speed control) that will result in pump motor demand of no more than 30% of design wattage at 50% of design water flow. The controls or devices shall be controlled as a function of desired flow or to maintain a minimum required differential pressure.

Differential pressure shall be measured at or near the most remote heat exchanger or the heat exchanger requiring the greatest differential pressure. The differential pressure setpoint shall be no more than 110% of that required to achieve design flow through the heat exchanger. Where differential pressure control is used to comply with this section and DDC controls are used the setpoint shall be reset downward based on valve positions until one valve is nearly wide open."

6.5.4.1 Hydronic Variable Flow Systems ASHRAE 90.1 – 2013

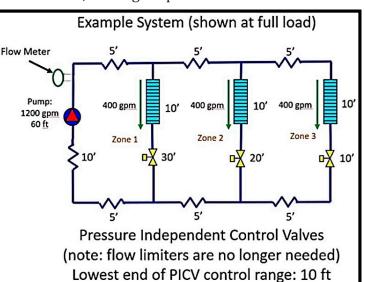
The answer is in patent pending technology known as DemandSet Pressure Independent Control and it has the potential to outperform both traditional curve and area pump control in terms of energy savings.

DemandSet is a pump control solution that requires all control valves in the system to be full-stroke pressure independent control (PIC) valves. It does not use control head (actual nor virtual) or require remotely installed sensors. Rather, it controls the variable speed pump so that one PIC valve is always at the lowest end of its control range. This eliminates incremental increases in control head and any programming in the field.

DemandSet control periodically reduces the pump speed, each time monitoring the pump flow for any resulting flow reduction. If no flow reduction is detected, the control maintains the new lower speed until the next "test." This strategy requires that all valves be PIC valves and that a single flow meter be located near the pump. The PIC valve must be full stroke (i.e. the actuator is driven through its full range regardless of valve design flow versus maximum flow) so that the valves are accurate at reduced flows.

To illustrate how this works, consider the example shown in Figure 27. In this DemandSet controlled system, the PIC valves must see a minimum of 10 ft. of pressure across the valve to maintain control. Without this minimum pressure, the spring inside the PIC valve's integral differential pressure regulator will become fully sprung (uncompressed) and will no longer have any authority over the flow.

Like differential setpoint control, we want to maintain the lowest possible pump speed and still maintain 10 feet of pressure at the critical valve. (Remember, PIC valves combine the work of a balance valve, control valve, and differential pressure regulator all in one, so no additional balancing devices are required.) It is critically important to understand that as long as we are in the control range of the PIC valve, a change in pressure will not result in a change in flow. Only a change



in demand will result in a change in flow. That is the beauty of using PIC valves!

Figure 27 shows what our example system might look like at full flow conditions.

Now let's say demand drops and flow is half what it was before. How does the system react?

Figure 27 continued on page 7

Asbestos and Lead-Based Paint Reimbursement Program

continued from page 3

Note: Lead in water testing and remediation at NC public schools and licensed child care facilities is a different ARPA-funded program.

What Must I Submit To Get Reimbursed?

The following is required when submitting a packet for reimbursement:

- 1. ARPA Lead-Based Paint Remediation Reimbursement Request Form ARPA Asbestos Remediation Reimbursement Request Form
- 2. Current NC Substitute W-9 Form
- 3. Unique Entity Identifier (UEI) Fact Sheet
- 4. ARPA Reimbursement Documents Checklist

Note: Email all reimbursement packets to ARPA-Reimbursement@dhhs.nc.gov

Are There Other Required Forms?

Yes, when performing asbestos or lead-based paint activities, NC public schools and licensed childcare facilities must submit the appropriate notification form to the HHCU 10 calendar days before commencing any asbestos or lead-based paint activities as referenced in 10A NCAC 41C .1003 and .1004. Be sure to download, save file, complete, sign and email as an attachment.

The following forms are required when performing asbestos or lead-based paint activities:

- 1. NC ARPA Asbestos Notification
- 2. NC ARPA Lead Abatement Notification
- 3. NC ARPA Lead Renovation, Repair and Painting Notification

Also, within 45 calendar days following completion of an asbestos or lead-based paint inspection the responsible individual shall submit the asbestos hazard form or lead-based paint hazard form to the HHCU as referenced in 10A NCAC 41C .1003 and .1004.

Contact Information

NC Health Hazards Control Unit 5505 Six Forks Road Raleigh, NC 27609 Phone: 919-707-5950

Email: ARPA-Reimbur sement @dhhs.nc.gov







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Opportunities to Sponsor: The tournament will be played during the NCPSMA fall conference at Atlantic Beach, NC on Wednesday, September 23, 2023 at the Brandywine Bay Golf Club.

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D.	HOLE SPONSORS - \$100 gets a sign on the tee box of a hole

Golf BALLS - \$600 - Includes with logo (one sleeve in each golfer's good bags), 2 Golfers, Name listed on a Sponsor's Poster at Registration Table, sign on a Tee Box of one hole, Opportunity to place items in Golfer Goodie Bags. GOLFER DIVOT TOOL WITH MARKER - \$450 - Includes 1 Golfer, Name listed

on a Sponsor's Poster at Registration Table, sign on a Tee Box of one hole, 1 tool in each Goodie Bag with the option to place other items in Golfer Goodie Bags. _HOLE IN ONE CONTEST - (\$1000 TRAVEL PRIVLEDGE CARD) - \$400 - In-

cludes 1 Golfer, Name listed on a Sponsor's Poster at Registration Table, sign on Tee Box of the Par 3, Opportunity to place other items in Golfer Goodie Bags. GOLFER GOODIE BAGS - \$350 - Includes 1 Golfer, Bag will have company Logo (each

player will receive one upon check-in), Name listed on a Sponsor's Poster at Registration Table, sign on a Tee Box of one hole, and the Opportunity to place items in the Golfer Goodie Bags. CLOSEST TO PIN - \$200 - Includes 1 Golfer, Gift for a par 3 Hole, Sign on the Tee Boc

of the hole, Name listed on a Sponsor's Poster at Registration Table, and the Opportunity to place items in the Golfer Goodie Bags.

LONGEST DRIVE - \$200 - Includes 1 Golfer, Gift for the Hole, Sign on the Tee Box of the hole, Name listed on a Sponsor's Poster at Registration Table, and the Opportunity to place items in the Golfer Goodie Bags.

DOOR PRIZES - If you have items with your company logo that you might be willing to donate for a drawing with our players that would be greatly appreciated as well!!!

Simply complete the following and return prior to August 7, 2023

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Company or Organization	n	
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If a golfer is included in the Sponsorship, please complete a Tournament Registration form as

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PLEASE FOLLOW UP WITH AN EMAIL TO VERIFY YOUR SPONSORSHIP!!!

THANK YOU FOR YOUR SUPPORT!

22NDANNUAL JAY PALMER MEMORIAL SCHOLARSHIP **GOLF TOURNAMENT REGISTRATION FORM**

Sponsored by: Premier Supply, Inc.

DATE: Wednesday, September 27, 2023

LOCATION: Brandywine Bay Golf Club

177 Brandywine Boulevard, Morehead City, NC 28557 - 252.247.2541

ENTRANCE FEE: \$65 (prior to 9/18/23) \$70 (after 9/18/23)

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Return to: Tournament Director - Jay Palmer Scholarship Trust Fund C/O James Palmer, III - 6735 East Old US Hwy 64, Lexington, NC 27292 Phone: (336) 746-5000 - Mobile: (336) 239-1315











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Variable Speed Pump

Control in the Age of ASHRAE 90.1-2010/13 • Part Seven

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throttling to reduce the

flow. If the pump speed

stays the same and the flow

In Figure 28 we have 600 GPM total with 200 GPM to each circuit; PIC valves are

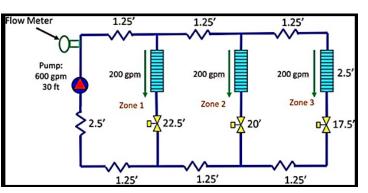


Figure 28

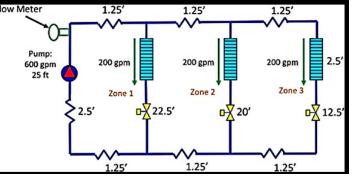


Figure 29

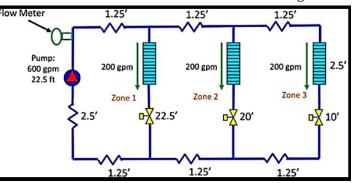


Figure 30

is reduced, the pressure drop across the valves increases as we ride to the left of the pump curve. Notice that the pressure drop across the PIC valve in

Zone 3 is now 17.5 feet, the lowest of all valves, and we are still well above the required 10 feet for this valve to still be in control.

What will the controller do next?

The DemandSet controller goes thru its cycle and slows down the pump incrementally. Now we are down to 12.5' at the critical zone which still happens to be Zone 3. The flow did not change and we still have at least 10 feet of pressure drop across all of the valves (Figure 29).

There is still a little room to play with, so the controller decreases pump speed a

little more (Figure 30).

At this point we are still maintaining the required 200 GPM at each circuit, but we have reached the minimum pressure threshold of 10 feet for the PIC valve in Zone 3. If the controller reduces pump speed any further it will instantly sense a reduction in flow. At that point, it will increase the pump speed back to the last speed at which it was able to maintain enough pressure drop across the critical PIC valve and still keep it in control of the flow.

This control cycle continues at a specific time interval with the control taking its cues from the flow sensor at the pump to determine whether it should increase or decrease the speed of the pump.

DemandSet control offers the highest possible pumping efficiency of any current strategy while eliminating the need for programmed setpoints and commissioning. It keeps the critical valve in the system almost wide open similarly to the ASHRAE 90.1-2013 requirement for differential pressure reset but without looking at the valve position. It is also compatible with any brand of variable speed drive and pump. Still, there are caveats. DemandSet could be overkill on many smaller systems, especially when pump motors are 5HP or less. (ASHRAE 90.1-2013 doesn't even require

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'HE MAINTENANCE

Executive Director: Kristie Payne Phone: 828.565.0115 E-Mail: office@ncpsma.org Website: www.ncpsma.org

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Variable Speed Pump

Control in the Age of ASHRAE 90.1-2010/13 • Part Seven

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variable speed control on these smaller sized pumps.) It also requires that a system include all pressure independent control (PIC) valves, which may not be practical or economical for many existing systems.

Summary

Variable speed control strategies must be applied based on the system design as well as what is practical for the given situation. There are no one-type-fits-all control solution.

In this white paper we've discussed the various options that are available for variable speed pump control and described in detail how each one works. Here are the bullet points:

 $\bullet DemandSet$ control as described above saves the most energy and hits all the marks in terms of meeting ASHRAE 90.1-2013. However, it may be

overkill for smaller systems or simply not practical for existing systems.

•Area control with reset is the next best option to DemandSet in terms of efficiency and avoidance of flow misses. Area control relies on a true measured setpoint and a differential pressure (DP) sensor as feedback for speed adjustment. This method can be used on a new or retrofit system without incurring too much

expense. Just remember that reset only works if you can read the position of the zone valves. PIC valves won't work.

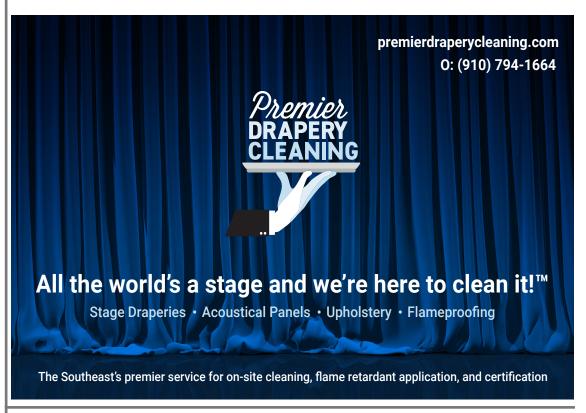
•Area control is a good option for systems that are ≤5HP and don't have a BMS. Area control uses a true measured remote setpoint so it is more accurate than sensorless curve control.

•Sensorless curve control can be a suitable variable speed control option but if air temperatures are critical, it may not be a good choice. Systems with a large amount of diversity are probably not candidates for sensorless control because there may be frequent and significant misses, resulting in occupant discomfort. Also, not every pump is suitable for sensorless curve control. If the horsepower line follows the same slope as the pump curve, then the pump flow would be indeterminable where the pump curve and horsepower lines overlap.

•Full system flow curve control uses a flow meter to read flow versus the estimate of sensorless curve control, which is based solely on the theoretical control curve. This is a good option in that it can be used on all pumps and with any drive manufacturer. It can also be applied to existing pumps already installed or in a retrofit application. But again, systems with high diversity and large control area may experience misses.







MEMBERSHIP APPLICATION

Membership runs from July 1, 2023 through June 30, 2024.

Membership Dues are \$20.00 if paying by check. Complete this form and submit along with your check for \$20.00 to: NCPSMA, 224 Mulberry Street, Clyde, NC 28721

NAME					
LEA (Local Educational Agency) OR COMPANY					
ADDRESS					
CITY		STATE		ZIP	
TELEPHONE					•
E-MAIL					
Would you like a reminder sent to you edition of the Maintenance Beacon i			when the latest	YES	NO

MEMPEROUR TYPE						
	MEMBERSHIP TYPE					
REGULAR MEMBERSHIP	Available to all maintenance employees of various city, county,					
	and state public schools as well as institutions of the community					
	colleges.					
REGULAR RETIRED MEMBER	Available to all RETIRED maintenance employees of various					
	city, county, and state public schools as well as institutions of					
	the community colleges.					
ASSOCIATE MEMBER	Available to all people interested in the betterment of public-					
	school maintenance including school board members,					
	superintendents, principals, teachers, and vendors.					
	** Associate Members DO NOT have voting privileges.					

MEMBERSHIP	Continuation of Current Membership	
	First Time Member	

Are you the Maintenance Director / Supervisor of your LEA?

Online payments of \$21.00 per membership are accepted at www.ncpsma.org

Online payments of \$21.00 per membership are accepted at www.ncpsma.org

	FOR OFFICE USE ONLY
PAID FOR WITH CASH or CHECK #	RECEIPT #

YES

NO

District Three Golf Tournament Save The Date



WEDGEWOOD PUBLIC GOLF COURSE WILSON, NC FRIDAY, OCTOBER 27, 2023 RAIN DATE – FRIDAY, NOVEMBER 3, 2023 1 PM SHOTGUN START

NCPSMA Annual Golf Tournament District III Superball Tournament

DATE: October 27, 2023

RAIN DATE: November 3, 2023

PLACE: Wedgewood Golf Course 3201 Old Stantonsburg Road, Wilson, NC

Entry Fee: \$50.00 per person

\$200.00 per team

(THIS INCLUDES: GREEN FEE, RANGE BALLS, CART & LUNCH)

ALL CHECKS: PAYABLE TO: NCPSMA DISTRICT III

REGISTRATION FORM and PAYMENT FOR HOLE SPONSORSHIP AND TEAMS ARE DUE BY OCTOBER 21, 2022

!!!!!!!!!!ATTENTION!!!!!!!!!!

!!!!!IF PAYMENT IS NOT RECEIVED BY THIS DATE YOU CANNOT PARTICIPATE!!!!!

LUNCH AT NOON

Shotgun start at 1:00 PM

Hole Sponsorship: \$100 per hole

Prizes Include:Low Score, Closest To Pin, Longest Drive

Mulligan's: \$5.00 Each (MAX) 2

COMPLETE:

Team Name:	
Team Players Names:	
Address:	
School Unit or Company:	

RETURN TO:

Wilson County Schools – Maintenance Department

PO Box 3878, Wilson, NC 27895

Attention: Sue Farmer-Golf Tournament

Phone – 252-399-7823 Fax – 252-243-7197

Email: sue.farmer@wilsonschoolsnc.net



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HOFFMAN
BELL & GOSSETT
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GOODWAY BRUSHES
GLOBE, GATE, SOLENOID,
BUTTERFLY, ETC. VALVES
OIL NOZZLES
BURNERS & ACCESSORIES

OIL FILTERS
TOPOG-E GASKETS
FIREYE CONTROLS
McDONNELL-MILLER
REGULATORS, TRAPS
ITT GENERAL CONTROLS
IGNITORS/ELECTRODES
REFRACTORY MATERIAL
PIPE FITTINGS

Eastern Convention DoubleTree Lodging Information

NCPSMA has a contract with DoubleTree by Hilton Atlantic Beach, North Carolina located at 2717 West Fort Macon Road, Atlantic Beach, North Carolina 28512.

When making reservations for your stay between September 24-30, 2023 remember the following:

- ☐ To receive group rates (Oceanview \$149 per night and Oceanfront \$199 per night), you must use the Group Code: **NCP**
- ☐ Reservations must be made before Thursday, September 6, 2023 to receive group
- Reservations can be made either by phone or online:
 - o By Phone (252) 240-1155
 - Online https://www.hilton.com/en/ hotels/oajdtdt-doubletree-atlanticbeach-oceanfront/?SEO_id=GMB-AM-ER-DH-OAJDTDT&y_source=1_MTM3M jUyMi03MTUtbG9jYXRpb24ud2Vic2l0Z Q%3D%3D
- The room block will fill quickly so do not delay in making your reservations. Note: Once our room block has been met regular rates may apply.

If rooms at the DoubleTree fill up, you can find a list of other hotels in the area online at http://www.ncpsma.org/uploads/1/9/9/1/19910109/ec23_other_hotel_options_in_the_area.pdf



THANK YOU FOR YOUR HARD WORK



51st Annual NCPSMA Eastern Convention

Multiple Registration Form for Regular or Retired Regular Members

September 26-29, 2023 | Double Tree by Hilton | Atlantic Beach, North Carolina

IMPORTANT INFORMATION

- Regular or Retired Regular Members are those currently employed and/or retired from a North Carolina Public School System
 - $o\ Regular or Retired Regular Members wishing to IN attend the conference must be current members of NCPSMA.$
 - o You can register online at www.ncpsma.org if paying with debit/credit or by mailing this form in with your payment. o In order to expedite the Registration Check-in process, please be sure to pay all fees INCLUDING MEMBERSHIP prior to arrival to the Convention.
- Awards Banquet NCPSMA welcomes members to bring family and friends, however **EACH PERSON is REQUIRED** to purchase a Banquet Ticket (\$10 each) **IN ADVANCE**.
 - o NCPSMA must provide DoubleTree a count for the Awards Banquet two (2) weeks prior to the
 - o You cannot purchase Banquet Tickets when you arrive for the conference.
- Boxed Lunches On Wednesday and Thursday there will be a boxed lunch option for those who want to stay onsite for \$17 per lunch.
 - o NCPSMA must provide DoubleTree a count for the Boxed Lunches two (2) weeks prior to the event.
 - o You cannot purchase Boxed Lunches when you arrive for the conference.

PLEASE PRINT

LEASE I MINI				
NAME				
SCHOOL SYSTEM / LEA				
ADDRESS				
CITY	STATE	NC	ZIP	
TELEPHONE				
EMAIL ADDRESS				

THIS FORM IS FOR CHECK PAYMENT ONLY

Conference Fees: Please circle/check all fees and items that apply and fill in blanks where appropriate.

NAME	PRE- REGISTRATION Before 9/5/23	REGISTRATION After 9/5/23	MEMBERSHIP	WEDNESDAY (9/27/23) BOXED LUNCH	THURSDAY (9/28/23) BOXED LUNCH	BANQUET TICKET	TOTAL
	\$75	\$85	\$20	\$17Roast BeefHam & SwissChicken Salad Caprese Wrap	\$17Roast BeefHam & SwissChicken Salad Caprese Wrap	\$10	
	\$75	\$85	\$20	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$10	
	\$75	\$85	\$20	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$10	
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	\$75	\$85	\$20	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$17 Roast Beef Ham & Swiss Chicken Salad Caprese Wrap	\$10	
here will be no refunds after August 31, 2023.					GRAND TOTAL		

Boxed Lunches are served with an apple, potato chips, plastic ware & cookies/brownies.

- Roast Beef Sandwich with caramelized onion, horseradish aioli and sharp white cheddar
- Ham and Swiss Sandwich with honey mustard, lettuce and tomato
- Chicken Salad Croissant with lettuce and tomato
- Caprese Wrap with spinach basil, buffalo mozzarella, tomato and balsamic glaze

Payment Information

Checks: Payable to NCPSMA and mail to NCPSMA, 224 Mulberry Street, Clyde, NC 28721 **Credit/Debit Cards:** Pay online at www.ncpsma.org. Click on the Convention Information Tab, then the Eastern Convention Tab and then the Regular Member Information Tab. *Credit Card fees will apply*.



Of the Year Awards

NCPSMA "Of the Year" Award Nominations

We need your help to honor some of the outstanding individuals in our profession. Is there someone in your District who goes above and beyond to promote our association and help others?

Here are a few qualities that made good "Of the Year" Award nominees

- good leader
- set a good example for others
- value other people
- realize other people can help them and allow those people
- risk-takers who are willing to try new things
- have great strengths in decision making
- good at overcoming challenges and don't let little things get them down
- have a positive attitude
- flexible and adaptable
- learn from their mistakes

This list could go on and on but there is just one question you need to think about. When you think who has made a significant contribution to the advancement of North Carolina Public Schools Maintenance Who do you think of? We all know that one person that is so deserving.

So now is the time to nominate that person for the 2023 NCPS-MA Maintenance Superintendent of the Year, Maintenance Director of the Year or Maintenance Employee of the Year.

These awards are sponsored annually by Saffelle, Inc. In 1987, Milt Saffelle with Saffelle, Inc. established the Maintenance Director of the Year Award and the Maintenance Employee of the Year Award. In 1996, the Superintendent of the Year Award was added.

"OF THE YEAR" AWARD GUIDELINES

Should you wish to nominate a candidate, please supply the information outlined below and return to the Milt Saffelle, Chairman of the NCPSMA Awards Committee by Thursday, August 10, 2023.

Superintendent of the Year Qualifications

- Candidates may be superintendents, associate/assistant superintendents, who have the responsibilities for maintenance. They must be current members of NCPSMA.
- Nominations must be made by an active member of NCPSMA. There should be a letter of nomination signed by the active member. Only one nominee, per category, may be submitted from each LEA. If more than one nominee, per category, from an individual LEA is submitted, same category nominations from said LEA will be *disqualified*. This decision was passed by the NCPSMA Advisory Council, May 2016.
- Nominees must be from the NCPSMA *District* making the nomination.
- The following data must be supplied for each candidate:
 - A photograph of the nominee must be included and placed on a separate sheet of paper.
 - A biographical sketch, preferably in narrative form and no more than two pages in length, including the nominee's achievements that have contributed to success in NCPSMA and other professional involvement.
 - c) No other information on nominee will be accepted.

Maintenance Director of the Year Qualifications

- Maintenance Directors are defined as those who serve as di**rect head** of the maintenance department.
- Nominees for Supervisor of the Year awards must be currently employed as a maintenance person in an educational system in the state of North Carolina.
- The nominee must have been an active member of the NCPSMA for the last five (5) *consecutive* years.
- The nominee cannot be the current state president.
- Nominations must be made by an active member of NCPSMA. There should be a letter of nomination signed by the active member. Only one nominee, per category, may be submitted from each LEA. If more than one nominee, per category, from an individual LEA is submitted, same category nominations from said LEA will be *disqualified*. This decision was passed by the NCPSMA Advisory Council, May 2016.
- Nominees must be from the NCPSMA *District* making the nomination.
- The following data must be supplied for each candidate:
 - a) A photograph of the nominee must be included and placed on a separate sheet of paper.
 - A biographical sketch, preferably in narrative form and no more than two pages in length, including the nominee's achievements that have contributed to success in NCPSMA and other professional involvement.
 - No other information on nominee will be accepted.

Maintenance Employee of the Year Qualifications

- Maintenance Employees are defined as other members of maintenance staff.
- Nominees for Employee of the Year awards must be currently employed as a maintenance person in an educational system in the state of North Carolina. The nominee must have been an active member of the NCPSMA for the last five (5) *consecutive* years.
- The nominee cannot be the current state president.
- Nominations must be made by an active member of NCPSMA. There should be a letter of nomination signed by the active member. Only one nominee, per category, may be submitted from each LEA. If more than one nominee, per category, from an individual LEA is submitted, same category nominations from said LEA will be disqualified. This decision was passed by the NCPSMA Advisory Council, May 2016.
- Nominees must be from the NCPSMA *District* making the nomination.
- The following data must be supplied for each candidate:
 - a) A photograph of the nominee must be included and placed on a separate sheet of paper.
 - A biographical sketch, preferably in narrative form and no more than two pages in length, including the nominee's achievements that have contributed to success in NCPSMA and other professional involvement.
 - No other information on nominee will be accepted.

The "Of the Year" Awards Committee is comprised of the NCPSMA One-Year Advisory Council Members and Milt Saffelle, Chairman. The Chairman serves in an exofficio capacity and does not have voting privileges. In case of a tie the current State Vice President will have voting privileges. All nominations must be submitted no later than Thursday, August 10, 2023 to: Milton Saffelle, Chairman, NCPSMA Awards Committee, PO Box 1499, Hillsborough, NC 27278.

51st Annual NCPSMA Eastern Convent

Individual Registration Form for Regular or Retired Regular Members

September 26-29, 2023 | Double Tree by Hilton | Atlantic Beach, North Carolina

IMPORTANT INFORMATION

- · Regular or Retired Regular Members are those currently employed and/or retired from a North Carolina Public School System
 - o RegularorRetiredRegularMemberswishingtoINattendtheconferencemust becurrentmembersofNCPSMA.
 - o You can register online at www.ncpsma.org if paying with debit/credit or by mailing this form in with your payment. o In order to expedite the Registration Check-in process, please be sure to pay all fees INCLUDING MEMBERSHIP prior to arrival to the Convention.
- Awards Banquet NCPSMA welcomes members to bring family and friends, however EACH PERSON is **REQUIRED** to purchase a Banquet Ticket (\$10 each) IN ADVANCE
 - o NCPSMA must provide DoubleTree a count for the Awards Banquet two (2) weeks prior to the
 - o You cannot purchase Banquet Tickets when you arrive for the conference.
- Boxed Lunches On Wednesday and Thursday there will be a boxed lunch option for those who want to stay onsite for \$17 per lunch.
 - o NCPSMA must provide DoubleTree a count for the Boxed Lunches two (2) weeks prior to the event.
 - o You cannot purchase Boxed Lunches when you arrive for the conference.

PLEASE PRINT				
NAME				
SCHOOL SYSTEM / LEA	,			
ADDRESS				
CITY	STATE	NC	ZIP	
TELEPHONE				
EMAIL ADDRESS			-	_

THIS FORM IS FOR CHECK PAYMENT ONLY

Conference Fees: Please circle/check all fees and items that apply and fill in blanks where appropriate.

DESCRIPTION	AMOUNT	TOTAL
PRE-REGISTRATION Before September 5, 2023	\$75.00	
REGISTRATION After September 5, 2023	\$85.00	
Membership Dues	\$20.00	
Wednesday (9/27/23) Boxed Lunch	\$17.00 Roast Beef Ham & Swiss Chicken Salad. Caprese Wrap	
Thursday (9/28/23) Boxed Lunch	\$17.00 Roast Beef Ham & SwissChicken Salad Caprese Wrap	
BANQUET TICKET	Quantity x \$10.00	
There will be no refunds after August 31, 2023.	GRAND TOTAL	

Boxed Lunches are served with an apple, potato chips, plastic ware & cookies/brownies.

- · Roast Beef Sandwich with caramelized onion, horseradish aioli and sharp white cheddar
- Ham and Swiss Sandwich with honey mustard, lettuce and tomato
- Chicken Salad Croissant with lettuce and tomato
- Caprese Wrap with spinach basil, buffalo mozzarella, tomato and balsamic glaze

Payment Information

Checks: Payable to NCPSMA and mail to NCPSMA, 224 Mulberry Street, Clyde, NC 28721 Credit/Debit Cards: Pay online at www.ncpsma.org. Click on the Convention Information Tab, then the Eastern Convention Tab and then the Regular Member Information Tab. Credit Card fees will apply.

DISTRICT SEVEN GOLF TOURNAMENT

Annual Scholarship Golf Tournament Friday, October 13, 2023

Brushy Mountain Golf Course, Taylorsville, NC

**Please register by September 23,2023 if possible

REGISTRATION OPEN TO THE PUBLIC (All are welcome) Maintenance personnel and directors, vendors, and the public are invited!

North Carolina Public School Maintenance Association District VII (consisting of 13 northeastern counties) is hosting their 22nd Annual Scholarship Golf Tournament! We encourage participation from each county to support this excellent educational opportunity for our well-deserving students!

Tournament Format:

- Limited to 25 Teams
- Captian's Choice: Four players per team
 - Players may make their own pairings.
- \$60 entry fee per player
 - Covers: green fees, carts, prizes, catered lunch, and two mulligans (one on the front and one on the back).
 - An additional two mulligans can be purchased for \$10.
- Lunch and Registration starts at 12 PM. Tee-off is at 1 PM!

Prizes & Information:

- Cash prizes for 1st and 2nd place and for closet to the pin and the longest drive.
- Snacks and soft drinks will be available throughout the tournament.

Hole Sponsorship & Donations:

- Hole sponsorship cost is \$100
 - Furnishes a sign on your hole with your company name and number if requested
- Tent Sponsorship cost is \$200
- Team Sponsorhip cost is \$240
- Vendor donations needed for prizes and are greatly appreciated!

Please contact Robert Hoyle at 828.464.3562 with questions.!

We look forward to seeing everyone and having a great time of fun, fellowship, and golf!

Respectfully yours,

Jeff Adams, President, NCPSMA District VII



Representatives

(704) 588-5214

ABH Manufacturing

Dormakaba, USA

- Best Locks, Closers, Hinges & Exit Devices (PHI)
- dormakaba Closers, Locks, Exit Devices & Commercial Hardware

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352 Crompton St. Charlotte, NC 28273 Trimco Hardware

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DISTRICT SEVEN GOLF TOURNAMENT SPONSORSHIP FORM

VENDOR NAME:
CONTACT NAME:
PHONE NUMBER:
Yes, we would like to help sponsor the District seven golf tournament by:
Hole Sponsorship \$100:
Tent Sponsorship \$200:
Team Sponsorship \$240:
Monetary Donations (Amount):
Door Prizes:
Raffle Item:

All sponsors will be recognized during the tournament and in the Maintenance Beacon by District Seven.

**Your help, dedications, and support are greatly appreciated!

THANK YOU!!!

Accepted forms of payment are cash or check made payable to NCPSMA. Please mail, fax or email sponsorship form to:

Robert Hoyle PO Box 1010 Newton, NC 28681 Robert_hoyle@catawbaschools.net

Phone: 828.464.3562 (office)

DISTRICT SEVEN GOLF TOURNAMENT TEAM SIGN UP FORM

PLAYER ONE NAME:			
PLAYER TWO NAME:			
PLAYER THREE NAME:			
PLAYER FOUR NAME:			
TEAM NAME:			
TEAM CAPTIAN:			
PHONE:	EMAIL:		
PAYMENT: CASH CHECK	AMOUNT	CHECK No	

Requesting pre-registration by September 23, 2023

Accepted forms of payment are cash or check made payable to **NCPSMA**. Please mail, fax or email sponsorship form to:

Robert Hoyle PO Box 1010 Newton, NC 28681 Robert_hoyle@catawbaschools.net

Easterm Convention Tentative Agenda

DoubleTree by Hilton / Atlantic Beach, NC

Tentative Agenda

September 26-29, 2023

TO OBTAIN CREDIT FOR CREDIT HOUR CLASSES YOU MUST ATTEND ALL CLASSES

** REMINDER** CLASSES ARE OPEN TO EVERYONE - NOT JUST INDIVIDUALS NEEDING THEIR CEU'S

Tuesday, September 26, 2023

2:00-7:00 **Early Registration**

Foyer

3:30-5:30 2024 Western Convention Planning Meeting

Pamlico (Planning Committee Members)

5:30-6:00 **Planning Committee and Advisory Council Members Dinner**

Prime

6:00-7:30 **Advisory Council Meeting**

Pamlico

Wednesday, September 27, 2023

6:00-5:00 Registration Foyer

6:30-9:00 **Coffee Break and Biscuits**

Foyer

Pamlico/ Hatteras Presented by Josh West, Cabarrus County Building Inspector

Locksmith License Renewal (2 CEU's) Cape Fear/

Presented by Tammy Griffin and Scott Shipton, End User Cape Lookout

Specialist, ASSA ABLOY

Electrical (2 CEU's)

Onslow Dual Water (2 CEU's)

Presented by Randall Jarrell, Wastewater Biologist/

Consultant/Contract

Operator, Wastewater Management, LLC, Instructor for the

NCDENR

Operator's Certification Commissions

Ornamental & Turf Pest Control (2 CEU's) Bogue Sound

Presented by Tom Glasgow, County Extension Director/ Horticulture Agent, NC State University / NC Cooperative

Extension - Craven County Center

OSHA and OSHA Record Keeping Atlantic

Presented by Randy Cranfill, Surry Insurance

9:00-10:00 **Opening Session and Business Session**

Atlantic

10:00-12:00

Electrical (2 CEU's) Pamlico/ Hatteras

Presented by Josh West, Cabarrus County Building Inspector

Locksmith License Renewal (2 CEU's) Cape Fear/

Presented by Tammy Griffin and Scott Shipton, End User Cape Lookout Specialist, ASSA ABLOY

Onslow **Dual Water** (2 CEU's)

Presented by Randall Jarrell, Wastewater Biologist/

Consultant/Contract

Operator, Wastewater Management, LLC, Instructor for the

Operator's Certification Commissions

Bogue Sound Ornamental & Turf Pest Control (2 CEU's) Presented by Shawn Banks, County Extension Director and

Extension Agent - Agriculture / Horticulture, NC State University /

NC Cooperative Extension - Carteret County Center

Atlantic **Google Workspace**

Presented by Cumberland County Schools

12:00-1:30 Lunch on Your Own or Boxed Lunch

Annual Jay Palmer Memorial Scholarship Golf Tournament 1:00

Brandywine Bay Golf Club

Sponsored by Premier Supply, Inc.

Pamlico/ Hatteras

1:30-3:30

Electrical (2 CEU's)

Presented by William "Al" Parris, Continuing Education,

Examination and Enforcement Manager, NC Board of Examiners

of Electrical Contractors

Locksmith License Renewal (2 CEU's) Cape Fear/

Cape Lookout Presented by Tammy Griffin and Scott Shipton, End User

Specialist, ASSA ABLOY

Dual Water (2 CEU's) Onslow

Presented by Randall Jarrell, Wastewater Biologist/

Consultant/Contract Operator, Wastewater Management, LLC, Instructor for the

NCDENR Operator's Certification Commissions

Beyond Certified PD: How Should We Train Our Bogue Sound

Facilities Departments?

Presented by Anthony J. Cox, PE, Hickory Public Schools

1:30-2:30 **Floor Care Basics**

Presented by Edward Zgrabik, Vice President of North Atlantic

American Sales, Essential Industries

2:30-3:30 **Shelter in Place Lockdown Solutions**

Presented by Barry Phillips, Regional Sales Director, Wesco Atlantic

3:30-5:30 Electrical (2 CEU's)

Presented by William "Al" Parris, Continuing Education, Pamlico/ Hatteras

Examination and Enforcement Manager, NC Board of Examiners of Electrical Contractors

Cape Fear/ Locksmith License Renewal (2 CEU's) Cape Lookout

Presented by Tammy Griffin and Scott Shipton, End User

Specialist, ASSA ABLOY

Press Fittings in the School System Onslow

Presented by Andreas Adrian, Regional Technical

Manager, Viega

Bogue Sound **Developing Hand/Surface Hygiene Programs in the**

K-12 Market

Presented by Joe Hoff, Southeastern Public Section & K-12 Manager, GOJO and Mike Conley, State of NC Manager, GOJO

Cost Management Strategies for Irrigation Systems

Presented by Andrew LaRowe, President, EduCon

Thursday, September 28, 2023

7:00-5:00 Registration

Fover 7:00-10:00 **Coffee Break**

8:00-9:00 **Spectator Seating: Code Compliance and** Onslow

Preventative Maintenance

Presented by Stephen Bishop, President and Owner, Seating Safety Solutions, Inc. and Jacob Lovings, Safety

Specialist, Seating Safety Solutions, Inc.

8:00-10:00 Structural Pest (2 CEU's)

Bogue Sound Presented by Regan Daniels, NC State University

Exhibitor Display Selection

Director's Round Table Meeting

9:00-10:00 Care, Maintenance and Fire Code Compliance for

Your Stage Curtains Onslow Presented by Steve McKee, President, Premier Drapery Cleaning

9:00-9:30 Atlantic

Atlantic

Exhibitor Display Setup 9:30-11:00

Atlantic

10:00-12:00 Structural Pest (2 CEU's)

Presented by Regan Daniels, NC State University Bogue Sound

10:00-11:00 Onslow

11:00-12:00 **Superintendents & Directors Visit with Exhibitors**

Atlantic Lunch on Your Own or Boxed Lunch 12:00-1:00

(MUST BE PURCHASED IN ADVANCE)

12:00-1:00 Prime

1:00-5:00 Visit with Exhibitors

Atlantic

Friday, September 29, 2023

8:00-4:00 Registration Foyer

8:00-10:00

Breakfast and Visit with Exhibitors Atlantic

10:00-10:30 Vendor Break-Out Session (for all Vendors participating in the conference)

State Officers, Superintendents & Directors Luncheon

10:30-12:00

Exhibitor Display Breakdown Atlantic

10:00-12:00

Onslow

Condensing vs. Non-Condensing Boilers - Making the Right Choice Presented by James P. "Jim" Farrell, Richard K.Hunter

Bogue Sound **Irrigation and Landscaping** (2 CEU's)

12:00-2:30 **Lunch on Your Own**

12:00-2:30 Courtyard

Cornhole Tournament Contestants will need to "Sign Up" at the Registration Desk with

a \$5 Entry

Fee - Includes a Boxed Lunch

Presented by Site One

2:30-3:30 Bogue Sound Irrigation and Landscaping (2 CEU's)

Presented by Site One

Onslow **Building Enclosure Survey and Maintenance: What**

Owners Can Do to Maximize Their Facility Performance Presented by Mike Phifer, Department Manager and

Are Your Custodians One of the Most Important People

Paul Bielicki, Senior Architect, Terracon

Cape Fear/ Cape Lookout

In Your District? Presented by Bob Bittner, Wakes County Schools (Retired),

OperationsHERO

6:00-Until

Atlantic

Awards Banquet