

- 56475 Peppermint Road, South Bend, IN 46619
- Telephone: 574-287-8655 Fax: 574-233-5234
- Website: www.ibew153.com
- Active Membership: 1033
- Serving the IBEW Local 153 Six County Area

August 2018

THE 153 METER

THANKS....

Thanks to all who donated their time and talents for the set-up and tear down of the Krasl Art Fair and the Elkhart County 4-H Fair.

Installer Contract Increase

In June's newsletter the rates were incorrect. The following are the correct rates. Effective June 4, 2018 the following increases will be implemented.

Gross wage	\$26.15
H & W	\$9.40
H&W Paln 4	\$1.00
SBA	\$0.65
Annuity	\$3.00
Pension	\$2.15
NEBF	\$0.78
TOTAL	\$43.13

New Contractor

JP SYSTEMS, INC
 PO BOX 353
 GRANGER, IN 46530
 PHONE: 574-250-8301

Get Involved

Your Union is run by those that show up!

Inside this issue:

Announcements & Events	1 & 2
Business Manager Report-Bill Haase	3
Asst. Business Manager Report-Stan Miles	3 & 4
President's Report—Mike Leda	4
Membership Development-Bob Banaszak	4 & 5
Training Coordinator's Page-Steve Egyed	5
Tech Corner-Jim Overmyer	6

IBEW Local 153 Picnic

Date: Saturday, August 18, 2018

Time: 12pm-5:00pm

Food served at 1:00pm

Place: Potawatomi Park Pavilions 3 & 4

Address: 500 S Greenlawn Ave., South Bend, IN

The Local will provide the main dish, beverages, and table service. Everyone is asked to bring a side dish to share (in a disposable container for easy clean-up!) There will be admission tickets available at the picnic for entry to the zoo. Mark your calendar for a day of fellowship!

New Cell Phone Language

The following language is in effect for the Inside, Residential and Statewide Telecommunication agreements.

CELL PHONES

Any and all communication devices will be provided for by the Employer for all job site usage, this includes service vans. Personal calls and texting shall be limited to personal time unless pre-arranged with the Foreman. No personal cell phones and pagers allowed on the work site.

Save the date.....

H.E.L.P. and ReNew collectively will be hosting a Corn and Sausage Roast Tailgate party.

THE SIZZLE SHOWDOWN

Date: September 22, 2018

Time: 12:00pm

Place: Union Hall

56475 Peppermint

South Bend, IN 46619

Who's the best Grilling Guru? Is it you? The Sizzle Showdown competition will be heating up. See who this year's grilling guru will be when the smoke clears. You are responsible for your own supplies. This includes grill, meat and utensils. Please call the Union Hall at 574-287-8655 or 800-986-1054 to register. There will be a giant grill spatula to the winner. There will also be a Corn hole tournament \$10 per team.

Births

Brian & Christine DeJaegher

Son, born June 21, 2018
His name is Matthew Louis
Weight: 7lb 8oz
Length: 19.75"

Brett & Reandra Shearer

Son, born July 25, 2018
His name is Zane Edward Coy
Weight: 8lb 14oz
Length: 21.5"

We will gladly list the birth of your children and grandchildren. Please contact the Union Hall with your information.

Deaths

Louis Williams

Retired JIW, initiated February 22, 1968
March 12, 1929– May 30, 2018

Retiree Breakfast

DATE: September 5, 2018
PLACE: Union Hall
56475 Peppermint Road
South Bend, IN 46619
TIME: 9:00A.M.

Call the Hall to make your reservation
At 574-287-8655 or 800-986-1054.

We hope to see you there!

“A” Monthly Membership Dues

“A” members Monthly Membership Dues for **2019** will be \$39.00

Breakdown:

\$19.00 International Per Capita

\$19.00 International Pension Fund

\$1.00 IBEW Local Union 153

If you use the Bill Pay program with your bank, please be sure to make the appropriate changes.

Service Pins Issued

50 years

Charles F. Basinger
Lawrence D. Bennett
Dale E. Berkey
Ronald Bogoian
Donald W. Bryant
Larry E. Clark
Ronald L. Fisher
Terry Hall
Jack E. Hughes
Dave A. Kerschbaum
Robert E. Kintner
Larry O. Maggart
Marion J. Mason
Robert D. Okerbloom
Donald E. Reeves
Thomas F. Roberts
Van G. Rodgers
Kenneth R. Stewart
Michael E. Swartz
Louis D. Williams
John P. Wiskotoni

55 years

Henry J. Bahr
Charles S. Barnes
David E. Dressen
James D. Hock
James A. Hoffer
William G. Weaver

60 years

Robert L. Shidler
Eugene W. Snyder
Charles R. Wiard

65 years

Leland F. Clark

Course Title & Dates

CPR/ 1 st Aid	2 nd Tues. + Thurs. 5:30 PM
OSHA 10 Hour	email for online voucher
OSHA 30	Fall 2018
Trouble Shooting	In development
Arial Lift & D.D.	Aug. 6,8,18
Crane Safety	Fall 2018
Silica Safety	Fall 2018

Call 574-233-1721 to reserve your seat. Some classes are limited in size.

For other classes visit: JATC153.com

Stuff-A-Bus

We will announce the date in the next newsletter.

BUSINESS MANAGER REPORT

Bill Haase

As I told you in the last newsletter the Inside CBA has been completed, signed and is currently getting ready to go to the printer. Once printed, we will mail it to all the Inside members. I want to touch on one item that was changed in the recently completed Inside CBA and that is now a Memorandum for the Statewide Telecommunications and Residential Agreements. It pertains to cell phone usage on jobsites. All communication devices are to be furnished by the employer. This means that you are not to use your personal cell phone for contacting your foreman, shop or supply houses with your personal phone during working hours. If your employer requires any communication with you or from you then they need to provide you with an employer owned cell phone. Personal calls and texts shall be limited to non-working hours unless pre-arranged with your foreman. There continues to be a problem with members supplying and using their own personal phone to conduct employers business. This is unacceptable and I would encourage charges on the member and a grievance on the employer for allowing this to continue.

The work situation is flat compared to the last couple of years; in 2017 we attained a record number of man-hours (over 2 million). Don't get me wrong, we are doing okay. Calls come in and for the most part are filled. A D.C. Cook call was canceled before it was filled. There are several reasons it went unfilled, but that would take several pages and there is not enough room in this newsletter. There are three large projects I believe will start and be a go. The Niles Gas-fired Power Plant is delayed again for a number of reasons with one being a last minute change in construction managers. The St. Joseph Energy Unit II in New Carlisle should be in 2019. And finally, the South Bend Casino Hotel has no definite date as of yet, but all indications are that it will go this year. Our bread and butter work is holding up throughout our jurisdiction and continues to provide opportunities for our members to perform electrical work. We need to man this work so as not to lose it to others.

Politics, A word that today seems unpleasant. With 24 hour news and social media posts, we seem to get worn down. It's us against them; red versus blue; it all gets tiring. But, if we don't pay attention we get run over. They have been steadily coming after organized labor and they have finally wounded us. Both Indiana and Michigan are Right to Work for less states and both have seen prevailing wage repealed. We have been run over but we are not dead yet. The record speaks for itself, this has happened only when the republicans have had total control in each state. What's next? Mess with your healthcare? Your pension? Your social security? Your dignity when you retire? This coming November we have a chance to change what is going on and try to reverse

the damage that has been inflicted on organized labor. Read, watch a different TV channel, join COPE, and fight back. For IBEW 153 to continue to grow and keep our benefits healthy, you, your family and your friends must vote to protect what we continue to have. If it is good for IBEW 153 it only makes sense that it would be good for the rest of our respective state and federal government. Turn out wins elections, staying home and not voting erodes what we already have.

See you at the next Union Meeting and we hope to see you at our annual Picnic on August 18th.

In Solidarity,

Bill Haase

ASSISTANT BUSINESS MANAGER REPORT - Stan Miles

Brothers and Sisters,

Hope you're having a great summer. By the time you receive this newsletter, the summer will almost be over and we will be in the midst of preparing our kids return to either regular school or college. For some of you it may be the first time you put your child on the bus or drop them off for kindergarten. Cherish their school years as it seems it goes by fast.

From your Health & Welfare: The trustees will be meeting near the end of August to finalize the coordination between the Health & Welfare Plan and Plan 4. As a reminder, Plan 4 has been established to subsidize insurance premiums for retirees. As a participant, you must be in the Health & Welfare plan for the **Three (3) previous Plan Years** prior to your retirement at age 62 or later. For those already in retirement status, we have looked at all the variables relating to your health insurance premiums. Our biggest groups of retirees we tried to affect the least are those who are in Group 1 (Age 61 or disabled by June 1, 2001) and Group 2 (After Group 1 and age 61 or disabled by December 31, 2012). Group 3 was established for those after Groups 1 & 2 (January 1, 2013) and your rate is established based on your Local pension history through May 2017. After that date you have to earn service credits. Service credits are earned by hours worked in the trade. These hours are a one-for-one earn rate while working in Local 153 but might be different if working in another Local's jurisdiction. If their contribution rate is less than ours then just like your Health & Welfare hours, you will have to work more hours. Be aware of this while working out of town. Stay tuned for more information in my next newsletter article and also pay attention to the information from TIC (our

ASSISTANT BUSINESS MANAGER REPORT cont.

STAN MILES

fund administrator). The Actuary will be there to give us different scenarios based upon our plan and participant histories. At the conclusion of the upcoming trustee meeting, we will know for sure that the January 1, 2019 start date will be feasible. For all the data we have been looking at, this should be a "Go."

There are several Union family events coming up in the near future so mark your calendars.

August 18 Union picnic at Potawatomi Park
September 22 Corn and Sausage Roast

Hope to see you there

In Solidarity

Stan Miles

PRESIDENT'S REPORT

MIKE LEDA

Members,

As you are reading this newsletter, the end of summer is approaching. Where does the time go? Everyone seems to have a lot going on in their lives (including me) that the days seem to blur one right into another. I hope everyone has taken some time to sit back, relax a little, and enjoy some time off with family and friends. Maybe even put the cell phone down for an afternoon or two. There is nothing like a break to recharge your batteries!

The Jimmy Carter Habitat for Humanity work project has been in the area since this spring. We had apprentices, journeymen/women, retirees, and officers working along with Schmidt Electric, Schwartz Electric and Koontz Wagner Construction who donated time and effort on this giant undertaking. The RENEW Committee and a retiree spent a night building up the temporary panels for this project along with helping out with the Build. We will have 30 members on site the week of the build - August 27th thru the 31st. Many thanks to all those who put up with my last-minute phone calls and e-mails to sign up and get registered for this event. You will not be able to just show up or visit this sight because Jimmy Carter will be in attendance and the site will be secured.

John Brown, Ben Buczek, and Kyle Ludlow have asked what they can do to help the Local. John and Kyle were added to the EIA Committee. Ben will working on the

HELP Committee.

We had a request for volunteer work recently and the response was disappointing. Just an evening after work, Saturday morning, or something. Helping out for a worthy cause once in a while is what we do and when you are finished it feels good. It seems like we are just too busy and forget what separates the IBEW from others. The numbers at the union meetings are reflecting the same issue as well. Once in a while we need a reminder that this is our local, this is what we do, and this is who we are! This is your reminder!

The first two Mondays of August, we are having an Organizing Committee meeting. The reason for this Committee is to help find a place in the IBEW for applicants that have electrical experience. Organizing is not just a one size fits all experience and we have had many applicants who see the value of joining the IBEW and we need to find a place for them. This is this committees' task - to help find a way to put them in a position that they will grow and prosper in the IBEW.

The RENEW group and the HELP Committee are once again joining forces this September 22, 2018 for a tailgate corn and sausage roast along with a cook/grill off competition. The away Notre Dame football game will be inside on the big screen. Also look for another Euchre Tournament to be scheduled soon.

We are having trust fund meetings the week of the union meeting. The Plan 4 will be the main topic of discussion, as well as the Humana Renewal for the retirees. At that time, we will also talk about the sub fund the members asked us to go forward with at last July's meeting.

Don't forget the Picnic the 18th of August at Potawatomi Park, same place, same time as last year!

Enjoy the rest of the summer!

Michael Leda

MEMBERSHIP DEVELOPMENT

Bob Banaszak

Hello brothers and sisters, I hope your summer has been enjoyable thus far. As I am writing this, I am just getting back into the swing of things after returning from my summer training event with the Indiana National Guard. Organizing is going well. We are finding and filtering some qualified help, but we still have calls going unfilled. I could use your help in finding more. If you know somebody or find someone in your travels, you can have them call Mike or myself at the office or on our cell phones; both numbers are on the website. They can also apply on our website to get

things started as well. Same thing goes for job sites you find, email what you saw and which contractor is on the job site. Mike or I will make it a point to visit the job site if we haven't already.

What I am choosing to talk about is what happens if you find yourself unemployed or underemployed. The first thing you should do is go down to the hall and sign the book, often other locals in our area/states let it be known to us of future manpower needs. There are websites out there like <http://where2bro.com> that help you find where the work is. You can use the "tramp guide" otherwise known as the local union directory. To get in contact with these locals to check your prospects before you travel. Some locals need what is referred to as a good guy letter from the hall before you go so its best to call ahead to see what the requirements are from the local/s you plan to visit, every local does it a little different. So by now, you know the work outlook and what you need when you arrive. So before you leave, you should make sure your dues are paid up, and you might want to pay ahead, paying ahead a few months makes it easier to track if you are up to date by the local you are visiting. Also, you need to make sure the information in your "ERTS" (electronic reciprocal transfer system) account is accurate. You are only allowed to be on book one at your home local. But you can be on several book 2's. Each local has a different resign policy so make sure you get that information when you sign. Also, you need to let us know what books you signed. This is for resigns, and when you get a call back at home, so your name can be removed from the other book 2's you have signed.

If you take a call out of a different local you are going to want to get a copy of the agreement you will be working under and that locals tool list as well as wage and benefits sheet to make sure your monies are correct including benefits.

RULES OF THE ROAD

Carry a current dues receipt with you at all times.

Always have a travel letter (good guy) from your home local.

Respect and work under the terms of the local agreement where you are employed.

Remember, you are a guest, and you represent your local accordingly.

Be courteous and knowledgeable of procedures in other locals

Give contractor 8 for 8 (Not 6 or 12 for 8)

Never accept a foreman job unless all local hands were ASKED FIRST.

Don't accept positions of supervision or stewardship unless Book 1 is unavailable.

Never get involved in the politics of another local.

Once you take a call, remove your name from all other locals you are signed at except your home local.

Don't accept transfers on specific job calls

Don't take furloughs

Help out older Brothers and Sisters on the job site

NO DOUBLE-BOOKING

Don't perform another trade's task

Remember you are a Professional, conduct yourself like a Journeyman Wireman.

As always BUY AMERICAN!

UNION ELECTRICIANS ARE NOT EXPENSIVE

THEY ARE PRICELESS

TRAINING COORDINATOR

Steve Eged

Coordinators Report

We are now offering online basic computer courses: Access, Adobe Acrobat, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, Excel, FileMaker, Google Suite, Graphic Design, Keynote, Outlook, PowerPoint, Prezi, Windows, and Word. They are high quality learn at you own pace type classes. The cost for each is \$7.11. Stop in or email me at segved@jatc153.com, if you are interested.

Soon we will have our 8100 sq. ft. building completed. I must give a BIG Thank you to:

Matt King and ALLPHASE donating panels, transformer and all lighting package.

Mandy Hamm and GRAYBAR donating all conduit, wire, and devices.

Randy Ciesiolka and H&G Services donating 600 amp MDP

Brian Coffman, John Bishop, Justin Littlefield and H&G Services for helping with planning, prints, permits and supervision.

Apprentice Dates

Financial class	Summer 2018
Book Pick-up	August 13 th + 14 th 3-6 P.M. \$610.00
Tech. Writing	August 22 nd -3 rd years
Labor History	August 28 th -2 nd years
Core Classes	August 27 th or 28 th - All

TECH CORNER

JIM OVERMYER

We hear it all the time, Power Factor. What is this mysterious part of our electrical lives? We know it's the ratio of true power to apparent power, but do we really understand just what they both are? True power is rated in watts, and is the power provided by the grid and the amount of work, but this along with the apparent power is what the generator has to provide to get said work done. Inductive devices are generators in their own right, hence the term reactive generators. As the source generator potential swings from zero toward peak, instantly the reactive generator (some type of inductor, motor-transformer-ect.) starts to build a countervoltage in the opposing direction. This CEMF drives the apparent power to the level where it can provide the wattage do to the work. Most motors are rated at a power factor of 80% right out of the box. Here we go, a ten horse motor is rated at 7460 watts but consumes 9325 va. This is due to the CEMF the source generator has to overcome. How can we overcome this problem you wonder, capacitive reactance! We can overcome this lagging power with a leading power and the generator will love it. This is where the Vector heads have the advantage, as the amount of correction can be calculated and installed on the line so that the gen sees only the wattage needed to do the work.

A point to remember is that when calculating the size of any inductor, you must figure it at it's full load. A partially loaded motor is able to produce a higher CEMF due to the higher speed of it's rotor. This destroys the PF and if repeated many times can mean higher penalties for the customer. The same holds true for a transformer. If oversized and running at a reduced current, the XL in the primary is much higher than one of the same size at full load. An easy way to figure the va of a motor is multiply the wattage (hp x 746) times 1.25. This is so close and so simple to find. If the va is known and the hp is desired, multiply the va times .8 or 80%. The following is a reprint of an old Tech Corner and tells a story on power factor.

Induction heating is nothing more than putting a ferrous metal in a magnetic field and using hysteresis to your advantage. Hysteresis is a loss in the magnetic circuit that occurs when the magnetic domains have to reverse every time the field reverses in an AC circuit. A strong field at a high frequency will heat a part to close to melt in a few seconds due to the friction of the domains as they move in the material. We had installed a 10 kHz, 150 kVA, 480 volt, 1Ø TOCCO generator in a plant in Havana Ill, and this monster was ready for startup. I rented a plane, and my son (age 11) and I flew into Peoria to pickup the factory rep to assist in getting this unit on line. This gen/set was used to power up a series of induction coils that were used to heat the forgings to a suitable temp for forming in drop forge hammers. They had many DF hammers, and a heating station was located at each one. The heat station consisted of a cabinet with the heat coil mounted on top, and housed the capacitors inside necessary to correct the PF due to the inductance of the heating coil. This rating of the coil in henries was low due to the low number of turns, but when connected to a 10 kHz source the XL was very large. Remember the formula for XL, $2\pi fL$, or two times pie times frequency times inductance. A .5 henrie inductor on 60Hz would offer 188.4 ohms of reactance. The same coil on 10,000 Hz would then offer 31,400 ohms of reactance. Now you can see why the cabinet is filled with buss bar and straps to add or subtract large capacitors to bring the PF up to the point where the kW and the kVA were equal. Remember, power factor is the ratio of true power to apparent power. The true power is doing the work, and is rated in kW, whereas the apparent power is rated in kVA and is the power the source must provide to overcome the CEMF and still power the load. The difference between the kW and the kVA is wattless power and effects the PF. Power factor is a reference of the efficiency in an electrical circuit. It can be rated from 0 to 1, or most of the time from 0% to 100%. Easy enough, as if we are 70% efficient, we are spending more than we should to do the job. In the case of the induction heater, if 70% is the best you can do, the gen is providing much more kVA than needed to provide the magnetizing force in the coil (inductor). At this low efficiency, the part will take far to long (if ever) to heat. This increases the cost of the part and so on. We can tune up these stations by adding capacitance to bring the PF up to unity, shortening the heat time, lowering the kVA, and reducing the cost of each part. If we tried to run this thing with no caps, the phase angle would swing toward purely inductive, making the PF close to 0%. With such a low power factor, what do you think of the efficiency? With the PF this low, there would be no heat in the part, even if you wait all day. Believe me, I've seen it. On the other hand, if we cancel the kVAR of the inductor with an equal amount of capacitive kVAR, the PF will increase to unity and our efficiency will find us spitting out parts as fast as the operator can handle them. This is not a situation with a power company where PF in the low to mid nineties is acceptable, no we want to be as close to unity as possible. And now, back to Havana. As we taxied in to pick the rep up, I noticed he was an older gentleman, which told me right away he was well experienced on high freq/gen power heating. We loaded up and then flew a short hop into a small grass strip where one of the plant personal was waiting to pick us up. This should not take to long I thought, as I was already planning lunch back at Peoria. The heat station had the coil installed for the scheduled part to run, so the rep figured the number of caps required to run at unity and we fired this monster up. As the contactor in the heating station connected us to the line from the gen, the orange glow that should have colored the part in a few seconds failed to materialize. The volt meter said 480, the freq meter was right on, but the PF meter indicated we were in the 70% range, so we shut down and added more caps to the circuit. The PF was not rising toward unity when we restarted, which caused the rep to doubt the meter. I should have known that he was basically a sales tech when this happened. "Don't look at the meter", I told him, "The part will tell us". Sure enough, the part was only luke warm to the touch. "More cap" he says, and again he connected more capacitors to the circuit. This went on for most of the day, as we sat on his figures and wasted time. It was obvious to me he had misfigured the inductance of the coil, as I felt he had too much cap on the buss for this thing to heat anything. Finally I told him, "Let's remove half the caps and try it". He argued that this was impossible and we continued this lunacy until dark. I told them I had had enough, and they would have to find us (my son and I) a motel. The next morning I was in no mood for this, and told him we were going to do things my way, as I had listened to him all day and with no results. He could not argue with his pilot, as he would have to find another way to Peoria if he pushed me, and he was smart enough to see it. We pulled half of the caps out of the circuit and wala, the PF jumped into the 80s, and the oil started to smoke on the part. "I can't believe it" he exclaimed, and we pulled a few more caps off the line. Bingo, the PF went into the high 90s, and we were heating like we should have 24 hours ago. I have always approached problems with my education, and have listened to others to a point. With this guy, I figured he was the expert, so I sat back and didn't do my usual. I was mad at myself for not doing what I felt was right the day before, but now the job was finished and we had a beautiful day to fly home. In retrospect, he was waiting for the PF meter to head to leading with all that cap and then pull enough to run. Why the thing stayed in the lag on the meter with all that cap is still a mystery, but my gut told me we had too much cap on line and I should have listened to it. Working on this type of equipment takes the mystery out of power factor and I was lucky enough to work on these types many times in my career.

August & September 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 8:00am-4:00pm ION	3	4
5	6 10:00am Building Trades	7	8 4:30pm HELP 7:00pm South Central CLC	9 4:30pm Exec Bd Mtg	10	11
12	13	14 9:00am SWMI Building Trades 4:30pm EIA 5:30pm First Aid @ JATC	15	16 9:30am MBOSS 4:30pm COPE 5:30pm CPR @ JATC	17	18 12pm-5pm Union Picnic @ Potawatomi Park Pavilions 3 &4
19	20 10:00am Building Trades	21 Burkhart 1:30pm LMCC	22 5:30pm Exam Bd Mtg	23 7:00pm UNION MEETING MPP /PENSION H&W / PLAN 4 TRUSTEE MEETINGS	24	25
26	27 6:00pm JATC Meeting	28	29	30	31 Last Day to Pay Next's Month's Union Dues Without Being Late	
	← JIMMY CARTER WORK PROJECT →					
	← IBEW MEMBERSHIP DEVELOPMENT CONFERENCE →					

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 OFFICE CLOSED	4	5 9:00am Retiree Breakfast @ Union Hall 	6 8:00am-4:00pm ION	7	8
9	10	11 10:00am SWMI Building Trades 4:30pm EIA 5:30pm First Aid @ JATC	12 4:30pm HELP 7:00pm South Central CLC	13 4:30pm Exec Bd Mtg	14	15
16	17 10:00am Building Trades	18	19	20 9:30am MBOSS 4:30pm COPE 5:30pm CPR @ JATC	21	22 12:00pm Corn & Sausage Roast @ the Union Hall
23/30	24 6:00pm JATC meeting	25	26 5:30pm Exam Bd Mtg	27 7:00pm UNION MEETING	28 Last Day To Pay Next Month's Union Dues Without Being Late	29
	← 6TH DISTRICT PROGRESS MEETING →					



IBEW Local 153
56475 Peppermint Road
South Bend, IN 46619

ADDRESS SERVICE REQUESTED

