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Executive Members

As of March 2019

Past President	James Reid, PE
President	David Horne, PE
1st Vice President	Clayton White, PE
2nd Vice President	(Temporarily Vacant)
Secretary	Josh Surette, PE
Treasurer	Taylor Bezanson, PE
Financial Reviewers	Michael Gillis, PE Brian Lavers, PE
Area Director	Blair Saulnier, PE
Provisional Area Director	Richard Deveau, PE
Area Rep.	Earl McMullin, PE
Alt. Area Rep.	Danny Wagner, PE
Warden	Ryan Hobb, PE
Asst. Warden	David Pickering, PE
Student Representatives	Jacob Wright, PE Sarah Lumsden



Event Sponsors





Swearing-In Ceremony

January 26th, 2019 – Submitted by Josh Surette

On January 26th the Maritimes branch of the Institute of Power Engineers held their annual swearing in dinner for all newly voted in Executives. The event was well received at Trendz restaurant with 23 *in attendance including 12 members and 11 guests*. The executive committee saw some positive changes this year with many positions changing hands and newer members accepting more senior roles within the committee. Following the dinner and swearing in, an award ceremony also took place to recognize the dedication put in by members over the previous years. Members sworn into the 2019 Executive Committee are as follows:

President - Dave Horne. Dave brings years of experience and leadership to the committee being a long-time member and having previously held multiple positions within the executive.

1st Vice President – Clayton White. After putting in the time as committee secretary for multiple years Clayton accepted a nomination to move up to Vice President.

Secretary – Josh Surette. As a recent member of the IPE Josh is eager to get involved and help shape the group.

Assistant Warden – David Pickering. Another new IPE member bringing years of power engineering experience to the group.

Student Representatives – Sarah Lumsden and Jacob Wright. Both new student members bring energy and a strong work ethic to the group and have already proven enthusiastic to represent their chosen profession.

NSIPE Award Recipients:



William G Child Award – Blair Saulnier. As the 2019 National President Blair has been an active IPE member for many years holding various positions within the executive including past president.



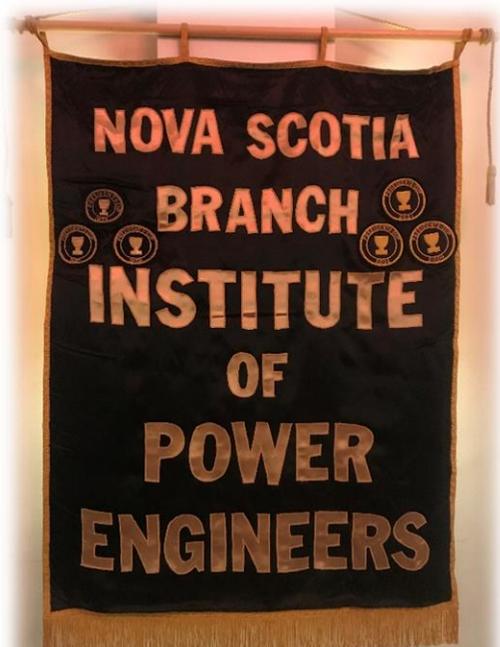
G.W. Smith Award – Earl McMullin. Also, a long time IPE Executive member, Earl has contributed much of his personal time to the group over the years and also held many positions including president.



Certificate of Past Presidency –Blair Saulnier



Certificate of Past Presidency – Jim Reid 2018



Certificate of Past Presidency – Jude Rankin
(Sorry, no photo available; was not present)



Certificate of Past Presidency – Earl McMullin



Service Crest – Mark Boudreau, past treasurer
(Sorry, no photo available; was not present)



Certificate of Past Presidency – Rick Deveau



Honorable Mention and Citation – Clayton white
for all his hard work in previous years as branch secretary

Honorable Mention and Citation – Taylor Bezanson
for accepting the responsibility and the role of branch treasurer, taking over from long time member Mark Boudreau in 2018

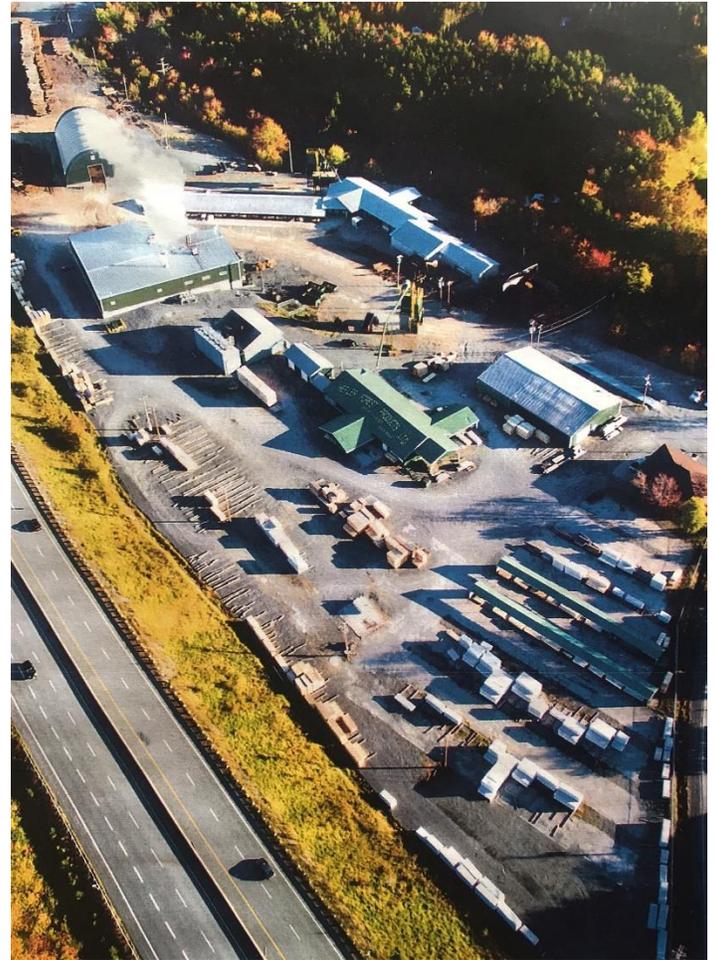
Hefler Biomass Tour

March 2nd, 2019 – Submitted by Clayton White

Heflers has been operating since 2015. Being a new plant, work around Heflers has been fast-paced, with lots of learning opportunities. Over the past few years, they have been tweaking the equipment and operating procedures, to bring it to be a safe, efficient and smooth-running plant.

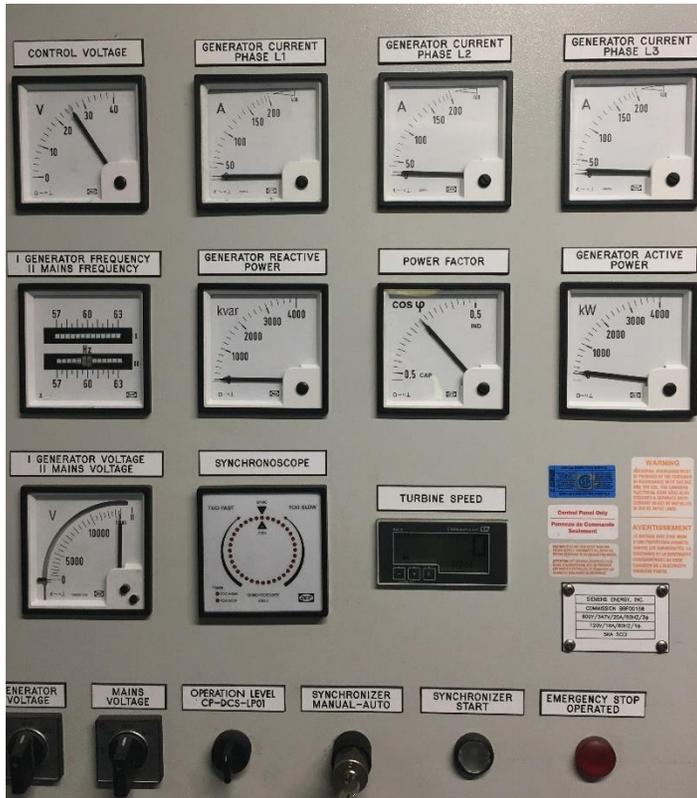


On our tour, Heflers Senior Engineer, Clayton White, explained in great detail the entire operations of the power plant. We initially started off at the *fuel feed* section to see how the stokers pull the mixed fuel (woodchips, bark, etc.) onto the traveling grate system. He then showed us how it enters the furnace and how it travels through the *furnace* by a grate system, on a decline. We were shown where the *primary and secondary air* entered into the furnace, to obtain the proper combustion, to make the flue gas.



As the flue gas exits the furnace, by an induced draft, it enters the *super-heated* section in the *boiler* at approx. **1900 F**. The flue gas travels through the *water tube boiler*, giving up its heat. When it enters the *economizer*, it has dropped to **650 F** and exits at **350 F**, before exiting out the stack. The steam that is created from this, is sent back to the S.H. section and is then sent to the *turbine* at **750psi & 750 F**. As the steam expands through the *turbine* (which spins @ **1800rpm**), it causes the *generator windings* to create power at approximately **3.2 MWh**.

As the steam loses its power and exits the *turbine*, it is sent to a *condenser* to remove the latent heat and change it back into water. The purified water, being in a closed system, is then sent to a *hotwell tank*, then to the *condensate polishers* and finally to the *deaerator* before being sent back to the *economizer* to do it all over again.



We were then shown the *control station* and how the *Engineers* run the plant. We finished off the tour with discussions and questions about the plant.



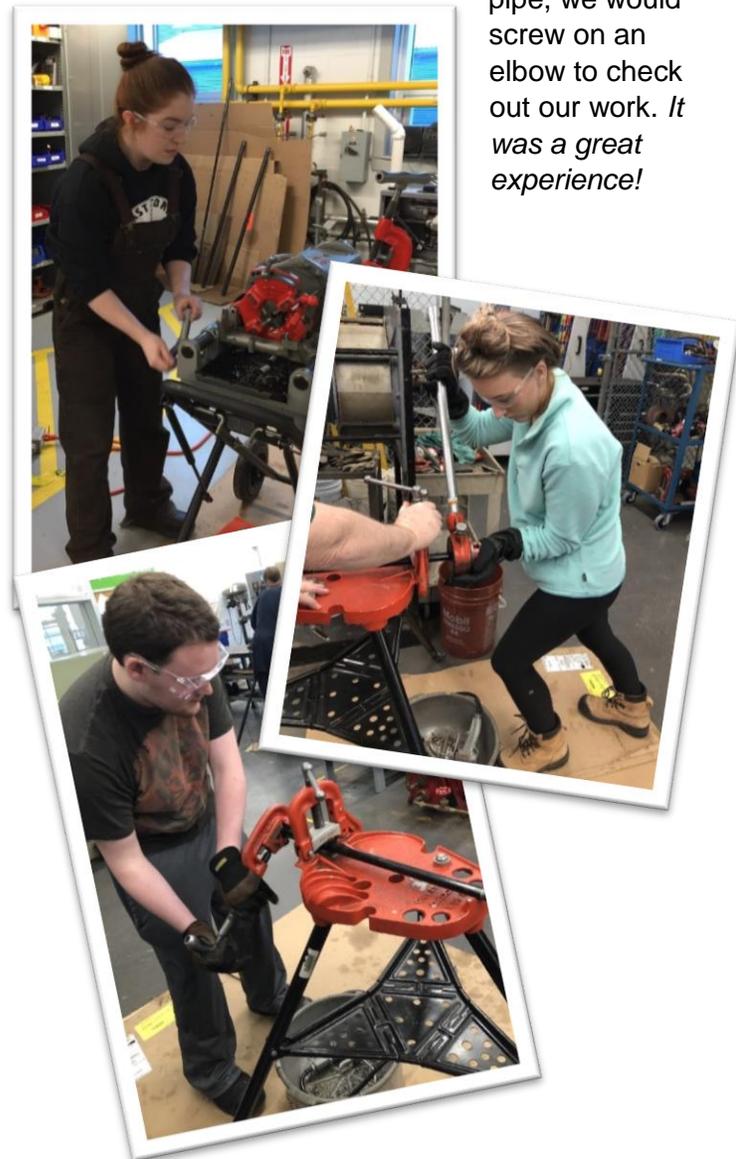
We would like to thank *Chief Engineer, Bruce Stanford*, for allowing us to tour the *Plant* and to *Clayton White*, for giving the tour.

NSCC Student Column

Submitted by Sarah Lumsden

The first-year students kicked off the new year with some *elbow grease!* We're learning the ins and outs of threading pipe manually and automatically. It was great to get some hands-on experience with the machine. We are quickly learning manual threading of 1" pipe is a great arm workout! After threading the

pipe, we would screw on an elbow to check out our work. *It was a great experience!*





IPE Swearing-In Ceremony:

This year at the IPE Swearing in Dinner we had students join as guests of our Student executive IPE members. The student presence with the IPE events had been great to stimulate conversation and educate the students on how the IPE works for Power Engineers and ways we can stay involved after we finish school at NSCC.



Left to right Jacob (IPE Student exe. Rep, 2nd year student), Kendra (1st year Student), Danny (Power Engineering instructor NSCC), Sarah (IPE Student exe. Rep, 1st year student) and Cody (2nd year student)

Tentative Schedule

All Dates are Subject to Change. Please Refer to our Website and Facebook Page Leading up to Events.

High Liner Foods Tour

100 Battery Point Rd, Lunenburg, NS

May 18th, 2019, 13:00

High Liner Foods is the largest prepared seafood processing operation in North America and welcomes you, plus a guest, to come to where it all started for a tour of its steam and refrigeration operations.

Shaw Brick Group Ltd. Tour

Nova Scotia Trunk 2, Lantz, NS

June, 2019

As one of Eastern Canada's leading natural resource manufacturers, we welcome you to attend a tour of the process and steam operations that are performed here. Updates to dates and times will be available via emails, website, and Facebook shortly.

2019 IPECC Annual Meeting

Delta Hotels by Marriott Fredericton, 255 Woodstock Rd, Fredericton, NB

June 16th to June 19th, 2019

For information and registration regarding IPECC's Conference, please visit <http://www.ipecc-net.com/index.php/80-ipecc-conference>. These conferences hold very in-depth discussions on Power Engineering curriculum, syllabi, and examinations.

2019 Annual Lobster Boil

The Shore Club, 250 Shore Club Rd., Hubbards, NS

July 27th, 2019

Once again we plan on hosting our Annual Lobster Boil at The Shore Club as it was such an excellent time for all with great food. Please submit your attendance plus a guest to the RSVPs that will be sent out prior to the event.

2019 Annual Golf Tournament

Greenwood Golf Club, Thunderbird Way, Greenwood, NS

August 15th, 2019

Clear your schedule for this date! We are once again hosting our yearly golf tournament at the Greenwood Golf Club. Bring you're a game or just come for fun, this is a great time to socialize and have fun with your fellow IPE members, contractors, friends and co-workers.



NSCC Student Meet & Greet

Strait Area Campus, 226 Reeves St, Port
Hawkesbury, NS

Akerley Campus, 21 Woodlawn Rd,
Dartmouth, NS

September, 2019

As a decision of the executive board, we are going to attempt to have two “meet & greets” this year: One at the Akerley Campus and another at the Strait Campus. We would like to encourage all members to make an attempt attending these social events and meet the new upcoming talent of Power Engineers. If interested, please email ipe.maritimes.mailing@gmail.com, as we will try to accommodate everyone’s times and driving arrangements the closer we get to September. Plus, there will be pizza!

2019 Annual Chief Power Engineers and Plant Maintenance Conference

Best Western Plus Dartmouth Hotel & Suites,
15 Spectacle Lake Dr, Dartmouth, NS

November 13th & 14th, 2019

Trying out a new location this year, we once again welcome you to attend the annual ‘Chief’s Conference’. As per the directions last year, all chiefs are welcomed and allowed to bring a guest who is aligned with their work in some way. More information about the event to be presented closer to the date.

Note from Editor:

For all of those who wish to submit an article into the quarterly newsletter or would like to add an event pertaining to Power Engineering or the IPE, please feel free to contact us at:

newsletter@jpemaritimes.com