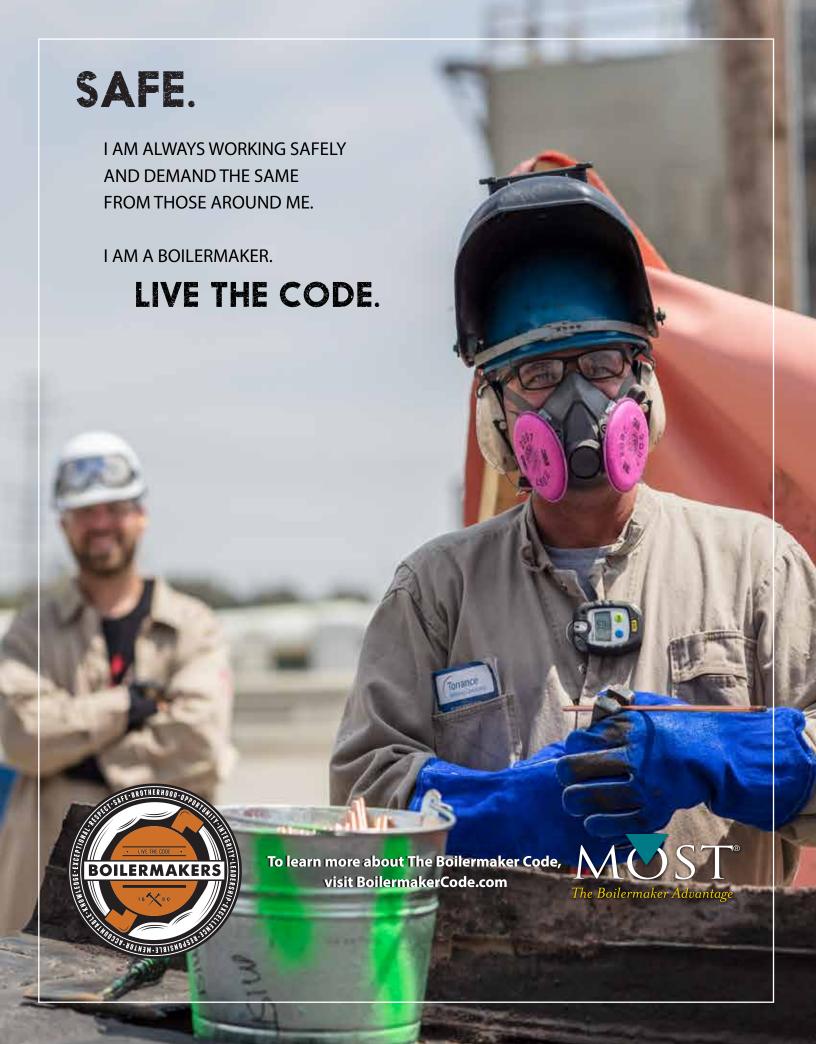
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SPRING 2020

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content feature

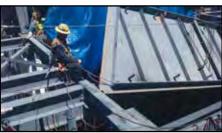


Boilermakers advocate for CCUS at the 2019 United Nations' Climate Change Conference.

Helmets to Hardhats paves a path for BM-ST Tim Jefferies.



Local 101 rallies behind local para-cycling team.





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Two Local 34 Boilermakers dusted off their "last-century" boilermaking skills to restore Union Pacific's 1.5 million-ton giant to celebrate U.P.'s 150th anniversary.

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FREPORTER

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NEWTON B. JONES International President

IRS must end delays of **CCUS** tax credit rules

"Each day of delay in fully implementing 45Q tax credits is a day lost in the critical work of advancing CCUS technologies, reducing carbon dioxide emissions and retaining or creating well-paying jobs."

Surge in carbon capture projects awaits full guidance on 45Q

WITH THE UNITED States poised to lead a global push for carbon capture, use and storage, investors and developers in the U.S. are anxiously awaiting the full release of guidelines from the IRS on expanded tax credits for CCUS projects.

It has been more than two years since Congress, in passing the FUTURE Act, extended and expanded credits under Section 45Q of the federal tax code. These credits have the potential to attract investments, promote research and development, and stimulate CCUS projects aimed at slashing carbon emissions across energy and industrial sectors.

Unfortunately, the IRS (under the Department of the Treasury) has moved far too slowly to provide the necessary guidance. The agency finally issued two rules this past February—concerning construction deadlines and investment partnerships—but other guidance has yet to be released.

Until the IRS completes its work on 45Q guidance, investors and developers are reluctant to move forward. Billions of investment dollars are being held up by the delay, and progress on carbon dioxide emission reductions is being slowed.

Last summer, the Boilermakers, as part of the Carbon Capture Coalition, joined with more than 60 companies, unions, environmental, energy and agricultural organizations in submitting letters to the U.S. Senate and House urging Congress to press the Treasury for swifter action.

The Boilermakers and other stakeholders have continued to voice our concerns about the detrimental impact

of delayed implementation, while also submitting positive policy suggestions to improve and accelerate the process. We were pleased to see some of the coalition's suggestions adopted by the IRS in the rules released to date.

However, the IRS must complete its full guidelines and soon—so that investors and developers can begin construction of CCUS projects by the end of 2023, the deadline established under the FUTURE Act.

Further delay will only undermine the opportunity for the United States to lead global deployment of essential CCUS technologies.

FUTURE Act offers path to broader CCUS adoption

GENEROUS TAX CREDITS helped lead to widespread adoption of wind and solar technologies in the United States. Those incentives helped decrease wind and solar costs and improve their efficiencies. In the same way, incentives under the FUTURE Act can spur the advancement of CCUS technologies to capture emissions from energy and industrial sectors and permanently store carbon dioxide safely underground or use it in commercial products.

Key provisions of the FUTURE Act include:

- Raising existing tax credits, from \$20 per metric ton to \$50 per metric ton, for capturing and permanently storing carbon dioxide in geologic formations.
- Raising existing tax credits from \$10 per metric ton to \$35 per metric ton for capturing and storing CO2 used for enhanced oil recovery (also known as EOR).

- Expanding qualified projects to include technologies that create products from CO2, such as cement blocks, chemicals, plastics and fuels (same tax credit as EOR).
- Expanding qualifying projects to include direct air capture of CO2.
- Extending the construction window for carbon capture projects from five years to seven.
- Extending the term that tax credits can be claimed (from 10 years to 12 years) and removing the program cap for eligible projects.

These changes offer developers and investors more certainty that federal support will be available to them as they test, prove and scale technologies for commercial use. And they offer hope that America's abundant natural resources —and the jobs and industries dependent upon them—can remain in our energy mix for some time to come as the world shifts to low-carbon economies with the goal of net zero emissions by mid-century.

CCUS is receiving wider acceptance

AS GLOBAL CLIMATE organizations, nations and subnational governments seek solutions to climate change with an eye toward reaching net zero emissions by midcentury, CCUS is increasingly regarded as an essential part of those solutions.

The Intergovernmental Panel for Climate Change, for example, included CCUS in three out of four of its pathways to achieve the Paris global warming target of 1.5 degrees Centigrade in its 2018 Global Warming of 1.5C Report.

The International Energy Agency, in its 2019 technology report, recommended that government policies should "support the development and deployment of carbon capture, utilization and storage (CCUS) in industry as part of a least-cost portfolio of technologies needed to achieve climate and energy goals." Indeed, the IEA has stated that achieving net zero emissions would be more than twice as costly without CCUS.

A 2019 report by the UK's Committee on Climate Change stated that for the United Kingdom to meet its climate goals, "[Carbon capture] is a necessity, not an option."

And in early 2019, California, the largest consumer of gasoline and jet fuel in the United States, recognized the importance of carbon capture and storage by including a carbon capture protocol in its low carbon fuel standard credit-based trading system. Earlier this year, the credits

rose to nearly \$220 per ton, a substantial incentive for lowering emissions.

The growing acceptance of CCUS as part of a portfolio of low carbon solutions can only be strengthened by the full implementation of 45Q tax credits and the resulting boost to CCUS technology development and deployment.

World needs 2,000 CCUS facilities

REALIZING THE PROMISE of CCUS as a tool to lower carbon emissions globally will require much higher levels of investment and R&D. According to the IEA, 2,000 largescale CCUS facilities will need to be operational by 2040 to meet Paris climate agreement goals.

Today, there are but 19 such facilities in operation, four under construction and 28 in development, according to the Global Carbon Capture Institute. Getting to 2,000 will mean a 100-fold increase.

In its 2019 Global Status Report, the GCCI noted that most of the world's large-scale carbon capture facilities are located in North America.

Canada has been an early leader in advancing CCUS technologies with Boilermaker-involved projects including Shell Quest, SaskPower Boundary Dam and Red Water Sturgeon Refinery. Those projects have proven that carbon capture technologies can be scaled up to commercial applications involving oil refining and coal-fired power generation. Meanwhile, a joint study by the International CCS Knowledge Centre and Lehigh Cement will examine the feasibility of full-scale CCS for a cement facility in Alberta (where Local D359 Boilermakers are employed), the first such study in North America.

According to the GCCI report, the United States is now at the forefront of advancing CCUS and "looks set to continue in first place," with strong federal policy support. However, much depends on the IRS ending its delay of tax credit guidance. The report observed: "Although seen as the world's most progressive [carbon capture]-specific incentive, Section 45Q is yet to be formally implemented, creating ambiguity about which projects are eligible."

Each day of delay in fully implementing 45Q tax credits is a day lost in the critical work of advancing CCUS technologies, reducing carbon dioxide emissions and retaining or creating well-paying jobs.

The IRS must move more quickly to provide a complete set of rules for investors and developers.



CDC posts important information about COVID-19

THE UNITED STATES Centers for Disease Control and Prevention has issued the following important facts about COVID-19 (also known as the coronavirus) and how you can avoid contracting it and help prevent its spread.

WHAT IS CORONAVIRUS DISEASE 2019?

COVID-19 is a respiratory illness that can spread from person to person. The virus that causes COVID-19 is a novel coronavirus that was first identified during an investigation into an outbreak in Wuhan, China.

CAN I GET COVID-19?

Yes. COVID-19 is spreading from person to person in all parts of the world. Risk of infection from the virus that causes COVID-19 is higher for people who are close contacts of someone known to have COVID-19, for example healthcare workers, or household members. Other people at higher risk for infection are those who live in or have recently been in an area with ongoing spread of COVID-19.

HOW DOES COVID-19 SPREAD?

The virus that causes COVID-19 probably emerged from an animal source, but is now spreading from person to person. The virus is thought to spread mainly between people who are in close contact with one another (within about 6 feet) through respiratory droplets produced when an infected person coughs or sneezes. It also may be possible that a person can get COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose, or possibly their eyes; but this is not thought to be the main way the virus spreads.

WHAT ARE THE SYMPTOMS OF COVID-19?

Patients with COVID-19 have had mild to severe respiratory illness with symptoms of:

- Fever
- Cough
- Shortness of breath

WHAT ARE SEVERE COMPLICATIONS FROM THIS VIRUS?

Some patients have pneumonia in both lungs, multi-organ failure and in some cases death. People can help protect themselves from respiratory illness with everyday preventive actions.

HOW CAN I PROTECT MYSELF AND PREVENT SPREADING THE VIRUS?

People can help protect themselves from respiratory illness with everyday preventive actions.

- Avoid close contact with people who are sick.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Wash your hands often with soap and water for at least 20 seconds. Use an alcohol-based hand sanitizer that contains at least 60% alcohol if soap and water are not available.
- Practice social distancing for any advised duration.



Social distancing measures include:

- ► Stay home.
- ► Avoid gatherings of more than 10 people.
- ▶ Work from home when possible.
- ► Avoid discretionary travel.
- ► Use drive-thru, pick-up or delivery options rather than eating or drinking at bars, restaurants and/or food courts.

If you are sick, to keep from spreading respiratory illness to others, you should:

- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean and disinfect frequently touched objects and surfaces.

IS THERE A VACCINE?

There is currently no vaccine to protect against COVID-19. The best way to prevent infection is to take everyday preventive actions, like avoiding close contact with people who are sick and washing your hands often.

IS THERE A TREATMENT?

There is no specific antiviral treatment for CO-VID-19. People with COVID-19 can seek medical care to help relieve symptoms.

·Reporter seeks stories of stepping up

BOILERMAKERS HAVE A solid reputation for stepping up when others step back. That's true on the job and in communities in times of crisis. If you or a Boilermaker you know have gone above and beyond to help during the COVID-19 pandemic—whether that's ensuring quarantined neighbors have supplies, keeping business going by setting up "virtual" measures, lifting community spirits, or some other work—the Boilermaker Reporter wants to hear about it. Share your story and send your photos by:

Email: reporter@boilermakers.org

Online: www.boilermakers.org/submit

Mail:

Boilermaker Reporter attn: Managing Editor 753 State Ave. Suite 570 Kansas City, KS 66101





Business managers, other leaders and guests gather for the 2020 Construction Sector Operations conference in Marco Island, Florida.

Construction Conference details union response to industry challenges

THE M.O.R.E. WORK Investment Fund, more manhours and more advocacy for carbon capture technology headlined topics at the 2020 Construction Sector Operations Conference, where CSO business manager/secretary-treasurers, other leaders and guests convened March 3-6, to discuss the challenges, opportunities and the future of CSO Boilermaker work.

"The M.O.R.E. Work Investment Fund gives us a chance to stay in the market and build back the work opportunities our members need to make a living and our pension needs to be a healthy plan again," said International President Newton B. Jones. "It's going to take a lot of effort, but we've got to claim our work. We may not win everything, but we've got to fight. The man-hours are out there, and I believe we can go and get them."

IP Jones and others gave updates on deployment of the M.O.R.E. Work Investment Fund's marketing, organizing, recruitment and employment strategies over the past year, as well as plans for the future.

Director of Communications Amy Wiser gave an overview of M.O.R.E. Work Investment Fund marketing activities, including advertising campaigns in the Western States designed to attract prospective owners and contractors and a recruiting campaign launched by Local 374 (Hobart, Indiana) aimed at the parents of graduating high school students—and the students themselves. She stressed that in order for an advertising campaign to be successful, it's important to use a concise repeated message through different tactics, such as print advertising, video, social media, billboard, radio and digital advertising.

"Both of these campaigns are taking the right, smart, comprehensive approach," she said, showing a microsite, www.BestInTrade.com, that was created to complement the Western States' ads and a 30-second TV ad IBB created (available at www.BestInTrade.com or www.Boilermakers.org), along with other materials. She also showed a 30-second recruiting TV ad created for L-374 to complement a host of other advertising tactics in that campaign. The 30-second recruiting spot is being made available, customized to any construction local lodge that would like to use it.

Wiser also reported on trade show promotional activities, digital marketing strategies to boost organizing efforts and new recruiting materials in development.

"As new marketing materials are developed, we will be adding them to a marketing toolkit local lodge leaders can access on the new boilermakers.org website," she said.

Tim Simmons, D-CDS, AD-CSO, D-NRS-CSO, AIP, gave updates on M.O.R.E. Work Investment Fund recruitment and job targeting programs, citing different job targeting strategies taking place throughout each International Vice Presidential section.



The M.O.R.E. Work Investment Fund gives us a chance to stay in the market and build back the work opportunities our members need to make a living and our pension needs to be a healthy plan again.

-Newton B. Jones, International President



We're making sure the Boilermakers have a seat at the table in global discussions about climate change—to advocate and to make sure our trade and our jobs aren't thrown out due to misinformation.

> —Cory Channon, International Director of Climate Change Policy Solutions - M.O.R.E. Work Investment Fund, AD-CSO-CAN, SAIP



Bottom line: We all want less greenhouse gasses to be emitted and a clean environment for future generations. What's the solution? We know it's carbon capture.

—Shawn Steffee, Assistant Business Manager, L-154

"There's no one-size-fits-all approach. Our goal through the M.O.R.E. Work Investment Fund job targeting program is to keep our members employed and gain a presence in facilities that we have not performed in for many years, if ever," Simmons said. "Since this program began, we've been approached by contractors nationwide to use this fund, and the results have been substantial."

Inspiration for CCUS promotion ignited

IN AN OVERVIEW of M.O.R.E. Work Investment Fund activities supporting carbon capture, use and storage advocacy, Cory Channon, International Director of Climate Change Policy Solutions, outlined why CCUS is vital to the future of Boilermaker work—and why it is imperative for Boilermakers to be involved in global discussions about the environment and CCUS' place in climate change solutions.

"CCUS is the only solution that mitigates climate change while preserving our Boilermaker jobs and the economy," Channon reminded participants. "Boilermakers must take the lead in advocating for and promoting CCUS. We're making sure the Boilermakers have a seat at the table in global discussions about climate change—to advocate and to make sure our trade and our jobs aren't thrown out due to misinformation."

In addition, he stressed that Boilermakers historically have been in lock-step with innovation, at the forefront of pollution mitigation technology application, and that CCUS is a natural progression of Boilermaker work.

"Contrary to what many misguided environmentalists think, natural resources like fossil fuels are not the villain the villain is CO2," he said.

Assistant International Director of Climate Change Policy Solutions Richard MacIntosh added that one of the so-called solutions being promoted in the green-only movement—and even by other unions—"just transition," must be addressed and better understood as detrimental to many workers. "Just transition," he explained is the euphemistic term coined to describe how workers in the fossil fuel industry would be trained and moved to other jobs or compensated to move out of their fossil fuel job.





"Our goal through the M.O.R.E. Work Investment Fund job targeting program is to keep our members employed and gain a presence in facilities that we have not performed work in for many years, if ever. The results have been substantial."

-Tim Simmons, D-CDS, AD-CSO, D-NRS-CSO, AIP

"Your union fights above its weight because of all the innovative things you are doing. You are the most strategic, smart union. Hats off to all of you."

-Ed Smith, President and CEO, ULLICO

"When you factor in the years of training and skills and the compensation in our industries, there is nothing 'just' about this kind of transition. Even some labor organizations believe that someone in government will take care of them and ensure they are not left behind," MacIntosh said. "We need to ask ourselves: Where is the money coming from to help these workers and what type of occupation will they transition to? What will be the pay, and what will happen to your pension plan? What would happen to us, as Boilermakers?"

Complementing Channon and MacIntosh's presentation on CCUS and just transition, Shawn Steffee, assistant business manager for Local 154 (Pittsburgh), showed a clip of his testimony supporting CCUS and against the "Regional Greenhouse Gas Initiative" (carbon taxing that feeds renewable energy interests) during a recent Pennsylvania House congressional hearing.

He explained that the far-left agenda has used RGGI to hamper and shutter fossil fuel in the Northeast United States, taking root in New York, Maryland, Delaware, Connecticut, New Jersey, Massachusetts, New Hampshire, Vermont and Maine—with devastating results to Boilermaker work.

"Make no mistake: Every state in our country is on their radar," he cautioned, noting that RGGI is at the "doorstep of Pennsylvania and Virginia."

"Bottom line: We all want less greenhouse gasses to be emitted and a clean environment for future generations. What's the solution? We know it's carbon capture. Boilermakers can make it happen right now. Invest the money, and Boilermakers will build carbon capture. Right now."

Several business managers and International Vice Presidents took the mic after the presentations to champion IBB's pro-CCUS efforts or ask what more Boilermakers can do to amplify the message about CCUS.

Said Steffee: "We must take the offensive and continue to lobby Washington, D.C.—but the battle must be at the state and local level. We need to get the information out, keep the facts simple—they don't know what we know about carbon capture. Use the video brochure IBB has, and let them know about our success with CCUS in North America, like the Boundary Dam project in Saskatchewan."

Rounding out four productive days of discussions and meetings to address industry challenges and changes, other speakers and topics included: Ed Smith with ULLICO, Bank of Labor, federal and state legislative initiatives and updates, a CSO referral rules update, Union Sportsmen's Alliance, and updates on the Boilermakers National Funds pension and health and welfare programs.

"The M.O.R.E. Work Investment Fund is giving us the tools and the dollars to go out and build work opportunities and manpower. Whether it's through the legislative efforts we've undertaken, or our job targeting efforts, or the recovery agreements we've been trying to put in place, or our CCUS advocacy, this is our opportunity," said IP Jones. "And this is just the beginning."



Great Lakes MOST representative Tony Smarra assists entertainer Bill Malone with a card trick.

Comedy, magic set stage for practical message on practice

PROFESSIONAL ENTERTAINER BILL Malone has been a successful comedian, magician and actor for decades—ever since he was 17 years old. Based on his breezy set-ups, sure-fire punchline delivery and cool sleight-of-hand card tricks, you'd never guess he still gets nervous before every show. But he does.

"Every single show I do—whether it's a small party for eight people or a thousand people—I get nervous. And the reason I get nervous is because I really do care about delivering a great show," Malone told business managers and guests at the 2020 Construction Sector Operations conference.

As NACBE's guest speaker, Malone warmed up an earlymorning CSO audience with a serious message packaged in humor and magic: Practice is important if you want to be the best in your craft.

"I still practice every single day for three to four hours," he said. "I love to practice, because I know practice is really what's going to separate me from other magicians.

"The reason I practice is because I care. I want things to be perfect, because I'm being paid to entertain people, and I never want to let them down."

He related that concept to Boilermakers' work and reputation.

"Practice is constant improvement. When you have a passion about something like you guys in the Boilermakers do—you're in this industry for a reason—you're usually very good at it," he said. "But everything can be done better."

Malone noted that even industry veterans—himself included—can make continuous improvements through constant practice, performance analysis and even slight adjustments.

You have a great industry, and you guys are hard workers. I hear about the work you do and how many hours Boilermakers put in in a day, and it's amazing," he said. "Practice is constant improvement, and when you take time to re-examine what you're doing, you can do everything you do even better." ■



NACBE guest speaker Bill Malone warms up CSO participants with comedy, magic and a message about the importance of practice.

Local 11 takes top NACBE safety honor—again

FOR THE SECOND CONSECUTIVE year—and the third time in four years—Western States' Local 11 (Helena, Montana) earned NACBE's highest safety award. L-11 was presented with the John F. Erickson NACBE Safety Award on March 2 during the Boilermakers' 2020 Construction Sector Operations Conference in Marco Island, Florida.

"This all has to do with the guys out there working in the field. All the members work really hard on safety, and it's nice to see that the training our apprentices receive—and the mentorship under our journeymen—keeps everyone working in a safe manner," said L-11 business manager/secretary treasurer Clinton Penny.

Each year, the National Association of Construction Boilermaker Employers recognizes local lodges that exemplify safety, naming one overall nationwide winner and one winner from each of the remaining U.S. sections. The awards are determined by the lowest injury rates followed by the highest percentage of Boilermaker man-hours from NACBE contractors participating in the NACBE safety index.

NACBE Executive Director Ron Traxler presented the overall 2019 safety index data gathered from 39 reporting contractors, which included good news in downward trends for all data categories.

Lost time injury rate

2018 2019
.12 .11

Compensable injury rate

2018 2019
5.29 2.64

OSHA recordable rate

2018 2019
1.23 .64

Compensable eye injuries

2018 2019
102 38

Lodges with ZERO compensable injuries

2018 2019
14 2019
20

"Thank you everyone for pushing safety on your job sites," said Traxler. "It's important to us and to our families. Our main goal is to make sure everyone returns home safely from work."

Other local lodges honored in addition to L-11's nationwide win were: Great Lakes' Local 105 (Piketon, Ohio), Southeast's Local 110 (Hattiesburg, Mississippi) and Northeast's Local 667 (Charleston, West Virginia). ■



Clinton Penny, BM-ST of Local 11, accepts the John F. Erickson NACBE Safety Award on behalf of his lodge during the 2020 Construction Sector Operations conference. L. to r. are IVP-WS J. Tom Baca, Penny, NACBE Executive Director Ron Traxler and IP Newton Jones.

"All the members work really hard on safety, and it's nice to see that the training our apprentices receive—and the mentorship under our journeymen—keeps everyone working in a safe manner."

—Clinton Penny, BM-ST, Local 11

IR Gareau trumpets union jobs to Canada's indigenous population

IR EMILE GAREAU is on a mission to introduce the Boilermakers to indigenous people across Canada by sharing his life story and his passion for the union.

"I would have never been as successful as I have been without the Boilermakers," says Gareau, who is one of Canada's indigenous peoples. "The Boilermakers gave me a chance in life." It's a message he touts from every speaking platform he can find.

Gareau has been in the Boilermakers for 40 years,

with seven of those as business manager for Local 555 (Winnipeg, Manitoba) before joining staff as an International rep and also as the union's first indigenous recruitment officer. He's been earning his keep a lot longer than that, though. Three days after he finished grade school, his uncle woke him up and said, "The party is over. It's time to go to work."

And while Gareau admits he was young when he began working, he's grateful for a career that gave him opportunities—something he wants indigenous men and women to know they can also find.

There is a lot of industrial and construction work across Canada. And with a skilled worker shortage of around 600,000, those jobs are hard to fill. Boilermakers are aiming to bolster their numbers and take on these jobs with as many new and dedicated recruits as they can reach. Gareau is hoping many indigenous people see this as an opportunity for a stable work life. He knows indigenous Canadians have faced resistance in their own country when it comes to employment in the skilled trades in the past.

"I faced it too, in my youth," he tells them. "But I'm not about yesterday; I'm about tomorrow. I'm one of you and can't do a damn thing about yesterday; but, I have a key that can open tomorrow."

To find skilled recruits or even untrained young people looking to begin working in the trades, Gareau targets his



visits to venues where the Nations are gathering and already collaborating on other issues. He's been to some native communities that have training facilities he says are "just as good as ours." Gareau says the country needs to channel more indigenous youth through these facilities, and the Boilermakers can take them even further through apprenticeship and training programs.

"The response when I speak is overwhelming. The people are welcoming me with open arms," he says. "Most of their leaders and coordinators are excited about giving

the union a chance. To give an opportunity to people who had no opportunity is fantastic."

He also talks about the benefits he's earned through his years in the union. He wants other indigenous people to experience those as well.

"And I know the union needs to grow, we need to change," Gareau says. "The industry's changing. Everything is changing, and we have to change as well. I'm here because I hope I can make a difference." ■



IR Emile Gareau



A DELEGATION OF Boilermaker representatives was among tens of thousands of global participants and observers at the 2019 United Nations' Climate Change Conference, COP25, in Madrid, Spain, this past December. In addition to Paris Agreement rules and actions negotiations—the event's core mission—a wealth of substantive side events, sub-groups and exhibits created opportunities for some of the world's premiere experts to exchange the latest climate-change information and technologies.

Two key subjects headlined the multi-week event: carbon emissions trading systems (a major feature of negotiations, for which Boilermakers were not credentialed delegates) and so-called "just transition"—the term coined to describe re-training and reassigning fossil fuel industry workers to other industries and professions.

As part of an official Trade Union Non-Government Organization (TUNGO) sub-group, the Boilermakers delegation attended daily meetings with other trade union representatives to raise issues and ensure trade union voices were heard. In TUNGO discussions, it became clear that many union participants were prepared to embrace and deploy "just transition," unaware of its potential negative impact to other unions, like the Boilermakers, mine workers and others who've honed their skills and grown their careers through well-paying jobs in the fossil fuel industries.

"The Boilermakers union has serious concerns about the devastation 'just transition' could have on our members' lives," Boilermakers Assistant International Director



International Director of Climate Change Policy Solutions Cory Channon answers questions and talks CCUS after a side-event screening of "CCS: Bridge to a Cleaner Energy Future."

of Climate Change Policy Solutions Richard MacIntosh reminded TUNGO representatives. "We want to make sure that carbon capture, use and storage is brought to the forefront as the solution that can save our planet and our jobs."

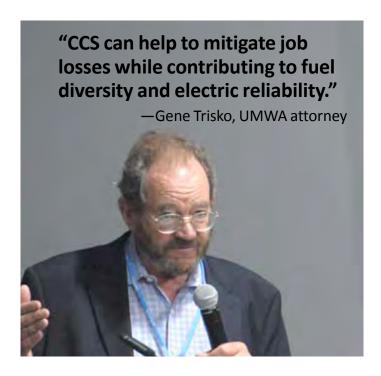
Additionally, the majority of conference speakers, side events and exhibits focused on renewables and "just transition" as the only solutions to climate change. Boilermakers seized opportunities to educate participants about carbon capture and connect with new allies in advocating for carbon capture technology scale-up.

Boilermakers, in partnership with the International CCS Knowledge Centre, hosted a packed-house side-event screening of "CCS: Bridge to a Cleaner Energy Future" followed by questions-and-answers in space provided in the conference's main exhibit hall by the International Emissions Trading Association.

"Both the Mine Workers and the Boilermakers support the Paris Agreement as the central mechanism for addressing global climate issues on a multilateral basis," said Eugene "Gene" Trisko, attorney with the United Mine Workers of America, in remarks after the film.

"The International Panel on Climate Change has recognized the critical need for CCS in the development of climate strategies to meet Paris targets. We also recognize that major CO2-reduction policies, such as 'net zero GHG,' can have significant adverse job impacts ... In the U.S. alone, we estimate a total of 9 million jobs at risk.

"CCS can help to mitigate these job losses while contributing to fuel diversity and electric reliability."



High-tech company develops building material from captured carbon

GERMAN INVENTOR AND entrepreneur Kolja Kuse and his partner at TechnoCarbonTechnologies, Miguel Waschl, are among businesses with a unique interest in carbon capture, use and storage. Their focus is on the U in CCUS: Use.

Kuse has created a carbon fiber reinforced granite beam that's as light as aluminum, flexible and can be used in place of steel. The technology is currently being used in high-end snow skis and high-end measurement equipment and also tested for construction (though he says it can currently only be used for building up to 12 meters as they await certification for further use).

He notes among the advantages of using carbon fiber-reinforced granite: Carbon/granite beams can withstand more heat than can steel; carbon/granite beams don't expand or rust; carbon/granite attenuates vibrations, which means the beams absorb and recover well from movement shock.

"Granite is a game changer and ideal for building in earthquake-prone areas, in being reinforced with carbon fibers," Kuse says.

In order to scale their operation, Kuse explains, they had to achieve carbon fibers made from CO2 identical to those made from petroleum. They established a perfect system to capture carbon through either algae



MacIntosh and Channon learn from German inventor and entrepreneur Kolja Kuse (center) about a carbon fiber-reinforced granite beam he created. Kuse's company TechnoCarbonTechnologies is among those seeking to use captured carbon.

or CO2 + H2, and which is technically 100% identical to petroleum-generated carbon fiber.

"This kind of usage can help overcome the public perception problem of CCUS," Kuse says, "because we create great value."

"We won't change with the flip of a switch," adds Waschl. "We need a bridge—CCUS—so we can develop proper solutions and new technologies. And we're making money, while we can address the needs of the Fridays For Future movement, because our approach is mentioned in one of the latest IPCC reports."



Boilermakers, UK-based TSSA sign strategic partnership agreement

THE INTERNATIONAL BROTHERHOOD of Boilermakers and the Transport Salaried Staffs' Association signed a mutually beneficial strategic partnership agreement at TSSA's headquarters in London, Sunday, Feb. 8.

TSSA is a specialized transport and travel union founded in 1897 and has over 18,000 members working throughout Britain and Ireland (www.tssa.org.uk).

"The International Brotherhood of Boilermakers has deep roots in the railroad and transportation industries that go back to our earliest days," said Boilermakers International President Newton B. Jones. "This strategic partnership will amplify our common strengths and resources, creating new intensity for both IBB and TSSA in our efforts to ensure working people have a voice on the job, safe working conditions, fair wages and fair treatment."

According to a joint press release issued by the organizations, the agreement aims to enhance the two unions' common strengths by sharing respective organizing and education programs, as well as exchanging resources and creating a greater political voice at an international level.

The IBB and the TSSA share a common desire to see their respective unions grow as a result of their organizing initiatives and will cooperate with each other in shared resources, knowledge, campaigning and communication techniques to help deliver membership growth in both organizations.

"I was delighted to welcome a delegation from the IBB to London and agree to enter into this strategic partner-

ship. Our two unions have much in common, and I have no doubt our accord will be of great mutual benefit in numerous ways," said TSSA General Secretary Manuel Cortes.

"I know how seriously our sisters and brothers in the IBB take the work they are doing in education, politics as well as organizing to win in the industrial sphere. Through our collective strength we can continue to learn from each other, working together for all our members."

Said IP Jones: "Under this new strategic partnership, we look forward to building a bright future for our unions together."



IP Newton B. Jones, with TSSA General Secretary Manuel Cortes, signs the strategic partnership agreement between IBB and TSSA.

Partnership offers college credits for apprentices in Great Lakes

THE GREAT LAKES Area Boilermaker Apprenticeship Program just sweetened the pot for its members through a unique partnership with Lorain County Community College, located near Cleveland. Boilermakers can now earn college credits while they're going through the apprenticeship, and better yet, it's retroactive. The college and the Boilermakers announced their partnership at LCCC on Feb. 5.

"They were amazed at our program," says GLABAP Coordinator Larry McManamon Jr. who was one of the people who first approached LCCC with the idea. "The college said it was top-notch and very structured. They were willing to give college credits to our apprentices who wanted to pursue a college degree while going through the apprenticeship."

According to McManamon, having multiple pathways for residents to pursue careers that lead to in-demand jobs are important. It's the reason behind the development of this partnership, which can benefit students in two ways: further education and recruitment.

While indentured, an apprentice can also be enrolled in the LCCC associate of applied science degree in welding technology. In addition, journeyman who've graduated from the apprenticeship can then enroll at LCCC to complete the balance of the associate degree.

Successful completion of the Boilermaker apprenticeship equates to 10 LCCC college courses and 29 LCCC college credits, putting a graduate apprentice or journeyman halfway to earning the associate of applied science degree in welding technology.

"In an apprenticeship program you get to apply what you learn in the classroom and lab into a real work environment," says LCCC President Marcia Ballinger, Ph.D. "Students become excited about what they are learning, are more engaged and also learn the material better."

BNAP National Coordinator Mark Wertz says another benefit of this partnership is the potential for more members. "This allows us to better recruit, especially because kids these days want to do better for themselves. This gives them an opportunity to receive college credit."

Wertz says he hopes this model can be duplicated across all BNAP areas to benefit even more apprentices.

McManamon agrees. "Learning a skilled trade and getting your associates within your skill will help both the union and its apprentices. Skilled trades are a vital part of our economy, and it's paramount to spread the word to young men and women who are looking find a career with a livable wage." ■



Celebrating the partnership between GLABAP and LCCC are, from I. to r., BNAP Coordinator Mark Wertz, LCCC President Marcia Ballinger, Ph.D, GLABAP Coordinator Larry McManamon Jr. and L-744 BM-ST Martin Mahon.



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New York local union joins Boilermakers

On Feb. 1, approximately 400 service workers from independent Local 947 became affiliated with the Boilermakers. Local 947 president Gloria Larrondo, who has logged over 30 years in the fight for organized labor, has a strong commitment to protecting the rights of working people. She said this move was the right one to continue to protect and defend the local's members.

She first heard about the Boilermakers from a colleague who sang the praises about "how great Boilermakers are for the members," Larrondo said. And after researching and speaking with IBB staff, members of Local 947 made the leap.

The Kings Park, New York, local advocates for service workers in the industrial trades. The local's

members work in various industries including hotels, manufacturing, transportation warehousing, call centers, office services and more.

Larrondo and members of the local are excited about the recent change. "I'm honored and delighted," she said. "I feel this will be beneficial to the rank and file."

ED-ISO Tyler Brown worked with Larrondo to cement the change. "International President Jones has made it clear that organizing remains a continuing priority in our union. We look forward to Local 947 becoming part of our Boilermaker family. It is always exciting to see our union grow." ■





New Boilermakers website launches

THE INTERNATIONAL LAUNCHED a new website in March 2020, replacing the previous site first released in 2006. The new site, designed and developed completely by the Communications Department, retains the same web URL: www.boilermakers.org. It features a fresh, bold design and is mobile optimized, meaning it can be easily viewed on any screen device—from smart phone to desktop computer.

Much of the resource content from the original site was updated, moved to the new site and re-organized to make it easier for users to find material.

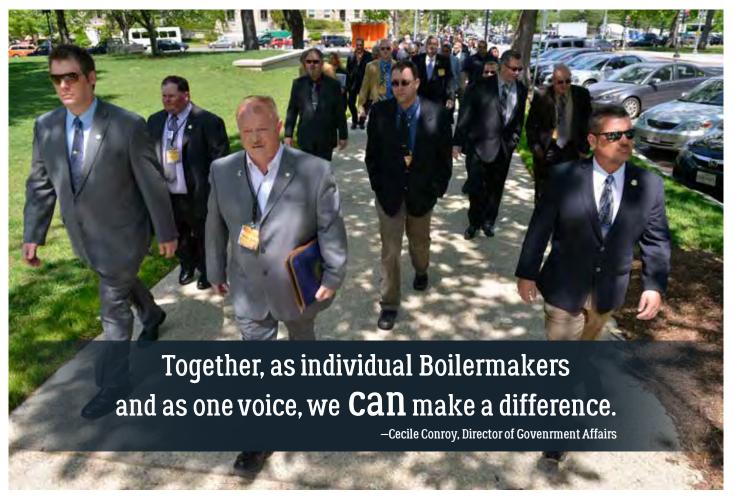
"In designing the new site, intuitive navigation was our priority," said Director of Communications Amy Wiser. "We took a look at who visits our site and what they need, and then we segmented visitors into four audiences: members and retirees, prospective members, organizing prospects, and current and prospective owners and contractors. We organized content and navigation paths to get those audiences to the areas and resources on the site they most want."

In the main navigation panel, "Join Us" is set up for prospective new members, "Form A Union" takes the

visitor to organizing information, "Work with Us" is for current and prospective owners and contractors, and an entire area is set up just for members and retirees.

A "Members" tab takes members and retirees to the Boilermaker Membership Hub, where they can find tools and resources. Local lodge leaders can register there to receive a login and password to access a suite of materials, including a new marketing toolbox, social media kit and website help, among other resources. The marketing toolbox includes, for example, downloadable ready-to-run print ads, a 30-second TV spot and brochures and fliers. New material will be added there as it becomes available.

"We're excited to have the new site up and running, and we'll continue to make adjustments and additions," Wiser said. "Our website is often the first place prospective members, owners and contractors go to find out more about the Boilermakers union, and it's an important tool for our members. We're putting our best face forward with the new boilermakers.org."



'Cadillac' tax repeal grants relief for union health care plans

AFTER YEARS OF lobbying House and Senate members on Capitol Hill, lawmakers finally repealed the "Cadillac" tax. Originally set to take effect in 2018 (but delayed until 2022) to pay for the expansion of the Affordable Care Act the 2010 law that provides health care tax credits for low income households and individuals—the "Cadillac" tax would have imposed an annual 40% excise tax on health plans that have annual premiums exceeding a certain dollar threshold. Unions argued they shouldn't have to shoulder the burden of market reform since they couldn't participate in health care exchanges.

Enter Representative Joe Courtney (D-2nd CT). The two-time recipient of the Boilermakers' Abe Breehey Legislator of the Year Award took up the fight for full repeal of the "Cadillac" tax. Introduced in several House sessions, Courtney and his staff provided the consistent, focused leadership in this battle. The legislation known as the Middle Class Health Benefits Tax Repeal Act, gained bi-partisan support in both the House and Senate and yet, despite constant pressure from unions and employers alike, it took years to bring this popular bill to the House floor for a vote.

On July 17—after years of hard work, including lobbying efforts by Boilermakers at LEAP conferences—the House passed the legislation by an overwhelming vote of 419-6. The repeal legislation, included in the 2019 end-of-year spending package, then passed both the House and Senate. The president's signature cemented the repeal into law.

"Many thanks to every Boilermaker who took time over the years to let their representatives and senators know just how important this issue was to their union and their families," Director of Government Affairs Cecile Conroy said. "Together, as individual Boilermakers and as one voice, we can make a difference."

Mortgage perks are plenty with Union Plus



Derek and Joni Gusoskey

DEREK GUSOSKEY, A member of Local 290 (Bremerton, Washington), has worked in the Puget Sound Naval Shipyard since 2013, specifically in Shop 26, where he's a lead steward.

"We work on nuclear submarines and nuclear aircraft carriers, very specialized work," Gusoskey says. "I am a member of the U.S. Department of Defense, where we maintain and modernize equipment that men and women in uniform rely on every day to protect our freedom."

His work is a point of pride. After suffering financial setbacks from a bad real estate investment and the 2008 market crash, Gusoskey also found financial stability and a unique resource through the Boilermaker union.

"My wife and I hit rough patches along the way. And we had to watch the housing market come back to life," says Gusoskey. "We found our current home in 2016. We were pre-approved, and through a 'for sale by owner,' we made the deal that day."

Gusoskey and his wife decided to refinance their home last year through the Union Plus Mortgage Company.

"I've worked to repair my credit. And it just so happened that everything worked out this year. Union Plus went above and beyond," he says. "At first I couldn't believe it. But there's no catch, it's just a perk of being a union member."

Gusoskey went into the refinancing process with low expectations due to his prior experience with other lenders."

"I was skeptical because I've been burned so many times before," Gusoskey says. "It's a buyer beware situation. I've worked too hard for my money to be parted with it that easily."

But, he says, he left pleased and surprised at how uncomplicated Union Plus made the process.

He also said that the process happened on time, just as Union Plus promised. "Everything happened on or before the timeline they gave us, including our communications, the e-signatures and everything else. One click notifies Union Plus so they can move things onto the next step for underwriting. It all works well."

Gusoskey was also happy to receive special benefits, such as a \$500 gift card for closing.

"Union Plus Mortgage Company is just fantastic across the board," Gusoskey says. "I go around telling everyone about Union Plus whenever I can. Because of the refinance, I was able to put the money back into the house. I paid off debt, and now it's just the truck payment and the house payment. Life is good."

THE UNION PLUS Mortgage program, with financing available through Union Plus Mortgage Company, is available for Boilermakers. For qualifying members, there are special benefits for first-time homebuyers as well as:

- A \$500 gift card after closing for purchasing or refinancing a home.
- Special hardship mortgage assistance from Union Plus in the event of income loss due to disability, unemployment or strike/lockout.

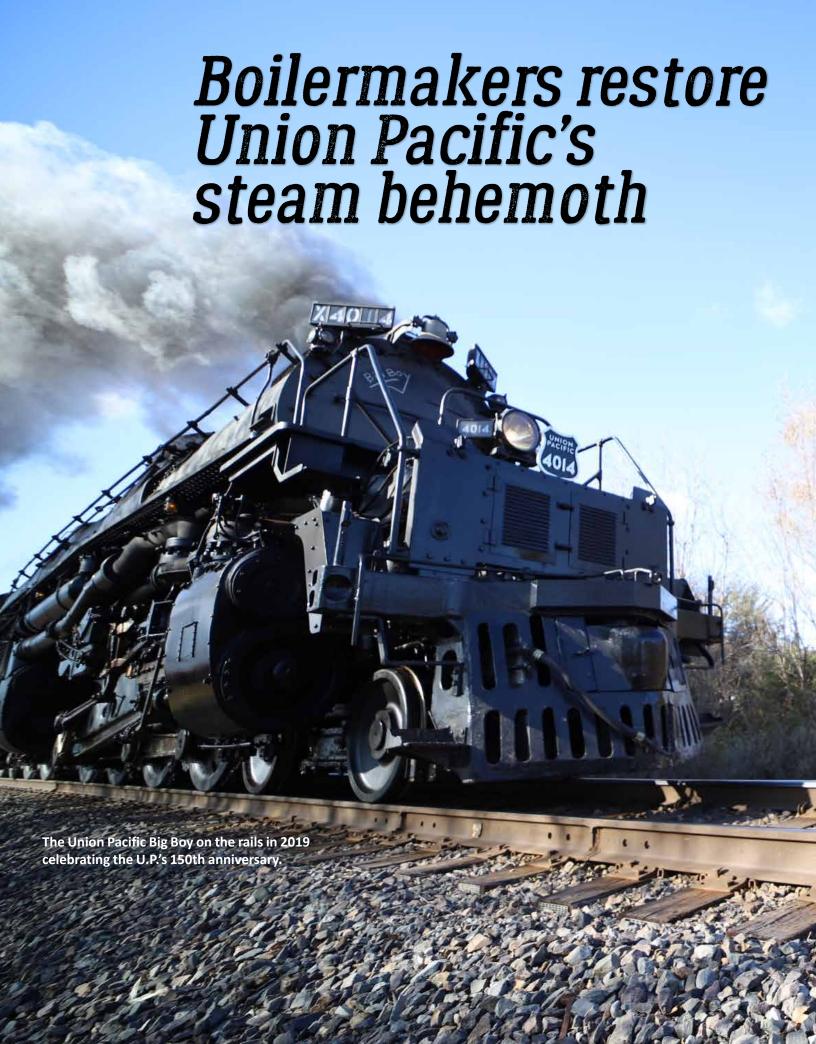
To learn more about the Union Plus Mortgage Program, visit unionplus.org/mortgage.



Learn more at unionplus.org/mortgage







In the 19th Century, Boilermakers found their home harnessing steam to power a growing country and to transport an increasingly mobile North American population. The railroad industry was booming, and for decades Boilermakers, along with many other steam-era crafts, made sure there were plenty of steam engines to get people and goods where they needed to go.

A bout four years ago, two Local 34 (Topeka, Kansas) Boilermakers went back to the union's roots as part of a nine-person "steam team" restoring a 1941 Union Pacific Big Boy to its former glory.

After over 50 years of being on display at the Rail Giants Museum in Pomona, California, the Union Pacific reacquired the Big Boy No. 4014 steam locomotive in preparation to commemorate the transcontinental railroad's 150th anniversary in 2019. Local 34 Boilermakers Don Crerar and James Thompson dusted off their "last-century" boilermaking skills to help rebuild the 1.5 million-ton giant.

Just getting the behemoth out of the museum was a feat. Workers leapfrogged a 40-foot section of track to transverse the engine out of the museum for first repairs at the U.P.'s West Colton, California, station so it could make its journey home. Big Boy then travelled the 1,390 miles to the U.P.'s Heritage Fleet Operations in Cheyenne, Wyoming.

"It had been sitting there since 1961," says Ed Dickens, senior manager of Union Pacific Heritage Operations. Dickens gets excited when he talks about the restoration for the Big Boy.

Originally engineered to mount steep grades, the Big Boy No. 4014 had two massive engines under a 250-ton boiler. Restoring the beast took historic knowledge, patience and old-world skills.

"We did a tremendous amount of wonderful, old-fashioned work," Dickens says. "Old-fashioned boilermaking." And they did it in a compressed timeframe to be ready for the huge heritage celebration.

Big Boy ran the rails from 1941 to its retirement in 1961, logging 1,031,205 miles in its 20 years in service. Before its relaunch in May of 2019, workers converted the Big Boy's fuel source to burn oil. And that's just one of the updates the "steam team" made.





L-34's Don Crerar welds a tube sheet on the Big Boy.

The biggest restoration challenge, according to Dickens was tearing the Big Boy down to its frame and then rebuilding the entire locomotive from scratch. The massive boiler and the short timeframe in which to complete a total rebuild posed a challenge for everyone.

"We managed it very well," he says. "We had the needed materials, and we ordered parts even before we started restoration."

Due to the antique nature of the Big Boy, the team made their own tooling. They bought some big rivet guns but made the rivet snaps and fixtures themselves. In order to form the boilerplate, they made dies with a 3-D image scaled off a drawing and CAD. They had a two-piece male and female die and cut out steel plates to weld them together.

"We also made a giant oven," Dickens says. "We pulled the plate out and put it into the press and made that piece. Now we had the metal to weld onto the boiler."

They also made outside and inside firebox patches.

"It's all custom work," Dickens says. "Some of the tooling I've bought is from the power plant industry—new plate bevellers. We machine the plate so when you're welding them together you've got an extremely accurate joint. You get a beautiful resulting weld."

He adds that the two Boilermakers welding on the "steam team" were some of the most skilled he's ever worked alongside.



L-34's James Thompson works welding up tapered fit bolts on 4014's frame.

"These guys are the best," Dickens says. "If you'd go back to the '40s and '50s, you're going to find the same talent in them here and now. You're forming very thick metal and have to form it together accurately, which takes skill."

For Crerar, one of the challenges he faced in the rebuild happened during welding. "Some of the angles—you get yourself into some pretty awkward positions. I never welded stuff flat. Sometimes, I was nearly hanging upside down."

Crerar and Thompson put in new tubes and flues. "We did lots and lots of welding in there. We put some patches where the stay bolts were; cut out patches that were thin and put them back in," Crerar says.

The team acquired a pipe bender, which helped immensely with all the new piping needed for the restoration.

"It bends the angles in pipes," Crerar says. "We'd figure out the angle and then bend the pipe around."

Even though the team has restored the Big Boy to its former glory, it's still going to need ongoing maintenance, as will other locomotives in the Union Pacific's Heritage fleet. Crerar, Thompson and Dickens agree that whether restoring an antique from the last century or performing maintenance, it's all a team effort, one they're all happy to be a part of.



For more information about the Union Pacific Big Boy 4014 visit www.up.com/heritage/steam/4014



"We did a tremendous amount of wonderful, old-fashioned work."

—Ed Dickens, senior manager of Union Pacific Heritage Operations



Local 104 makes its mark on top-of-theline marine deck equipment

CHANCES ARE, YOU'VE never heard of Markey Machinery—that is, unless you've been looking for the best-quality winches on the market. Markey's has them. Boilermakers from Local 104 (Seattle) make them.

So, if you're a tugboat operator, ship-assist vessel (or a vessel *in need of* assistance) or operating some other kind of vessel that hoists and hauls, Markey is what you want.

Markey Machinery was founded in 1907 in Seattle and has specialized in designing and manufacturing heavyduty marine deck equipment ever since: tow winches for tugboats, hawser winches for ship assist and even winches for the U.S. oceanographic research fleet. The equipment is all built-to-order, customized and designed to meet specific customers' individual needs.

"In our world in the marine industry, you know what Markey equipment represents: It's the highest quality marine deck equipment you can buy," says Robert LeCoque, executive vice president at Markey Machinery. "We've got good craftsmen here who take extreme pride in their work. They're a big part of us producing high-end, top quality equipment. We don't have to worry about quality issues."

—Robert LeCoque, executive vice president, Markey Machinery



"We're the Cadillac of winches," adds Boilermaker Mark Felgar.

LeCoque credits the products' reputation and company's success to Markey's crew of craftspeople—who take their trade and their work seriously.

"We've got good craftsmen here who take extreme pride in their work," LeCoque says. "They're a big part of us producing high-end, top quality equipment. We don't have to worry about quality issues."

Many are longtime Markey employees, and many are also multi-generational. And Boilermakers have been there since 1958.

"It's like home here," says Boilermaker Brandon Abbott. "I work with people who do the same thing I do. We all enjoy what we do, and we all want to do a good job. I like to work with my hands and be proud of what I do when I finish it."

"I strive to be the most perfect welder I can be," Felgar adds. "I want to be like a machine: perfect, steady, straight hand."

That drive to perfection materializes in products customers trust, evidenced by a solid reputation and repeat business. And it materializes in products that make their makers swell with pride.

"You see that nice shiny barge floating by with the brandnew winch on top, and the big brass shiny Markey logo on it? I worked on that," Abbott says. "That's 130,000 pounds of steel, and I had a big part in that. It's pretty cool."

Adds LeCoque: "It's exciting to drive up the Alaska Way Viaduct and look out on the Elliott Bay. And there's a tug assisting a vessel and you see the line up to the ship, and that's our winch that it's tied to. It's an exciting feeling to see our product out there working." ■



Local leaders advance skills in labor representation



Basic Class attendees were, front row, I. to r., Associate Professor Alexia Kulwiec, School for Workers; Andrea Chabotte, Local 614 (New London, Connecticut); Mya Fillingham, International staff; Nicholas Gwitt, Local 696 (Marinette, Wisconsin); Jason Holmes, Local 344 (Ridgecrest, California); Virginia Staggs, International staff; Mallory Smith, International staff; Cynthia Stapp, International staff; Julie Brame, International staff; Shae Jones, International staff; Associate Professor Armando Ibarra, School for Workers. Back row, I. to r., Teresa Pellinen, Local 696; John Rylko, Local 487 (Kewaunee, Wisconsin); Leo Cuffe, Local 696; Dan McWhirter, International staff; Chance Ellison, Local 108 (Birmingham, Alabama); Jorge Morales, Local 614 (Groton, Connecticut); Curt Smith, International staff; Louis Neilio, Local 696; Derek Zurowski, International staff; Lonnie Kinjerski, Local 487; Luke Lafley, Local 242 (Spokane, Washington); Domingo Melchor, Local 344; and Michael Reynolds, Kel Sharpe and Dermain Waters, all from Local 684 (Chesapeake, Virginia).

BOILERMAKERS FROM THE United States and Canada attended the 62nd annual School for Workers Summer Institute in Madison, Wisconsin, August 12-23. Topics covered in the basic session included collective bargaining, strategies to build worker cohesiveness, membership mobilization, contract enforcement, and health and safety. Issues in the advanced session included building union membership, workers and the global economy, unfair labor practices and grievance handling, among others.



Advanced Class attendees were, front row, I. to r., Professor Don Taylor, School for Workers; Julie Brame, International staff; Liz Nunez, School for Workers; Associate Professor Armando Ibarra, School for Workers. Second row: Virginia Staggs, International staff; Jacob Miller, Local D414 (Pryor, Oklahoma); Ben Heurung, Local 104 (Seattle). Third row: Lawrence "Mike" Dessart, Local 696; Professor Michael Childers, School for Workers; Josh Meigs, Local D93 (Humboldt, Kansas); Mya Fillingham, International staff; Madison Everson, International staff; Shae Jones, International staff; Marvin Elkins, Local 696. Fourth row: Ernie Johnson, Local 108; Herbie Baron, Local 580 (Halifax, Nova Scotia); Derek Zurowski, International staff. Back row: Steve Adair, International staff; Chip Tiegreen, Local D93; Dan McWhirter, International staff.

TRAINING FOR THE FUTURE

PROJECT MANAGEMENT



SIXTEEN U.S. CONSTRUCTION BOILERMAKERS completed the MOST project management course in Kansas City, Missouri, Jan. 13-17. The class teaches Boilermakers to lead the management of multi-craft projects and to make decisions that benefit the owner, the contractor and the union. Pictured above front row, I. to r., Instructor Gerry Klimo; Instructor Mike Suplizio; Anthony Garcia, L-1 (Chicago); Joe Navarro, L-83 (Kansas City, Missouri); Terry Elmore, L-40 (Elizabethtown, Kentucky); Adam Fisher, L-374 (Hobart, Indiana); Tim McDowell, L-28 (Newark, New Jersey); Jared McPeak, L-83; Bridget Connors, MOST; Instructor Dale "Skipper" Branscum. Back row I. to r., Timothy Cooper, L-647 (Minneapolis); Tyler Ward, L-433 (Tampa, Florida); Charlie Ferrara, L-28; Chad Bridget, L-169 (Detroit); Emerson Dame, L-169; Nate Polinsky, L-154 (Pittsburgh); Gary Darrow, L-60 (Peoria, Illinois); Brian Williams, L-83; Keith Nickelson, L-27 (St. Louis); Casey Wolf, L-647.



SIXTEEN CANADIAN BOILERMAKERS completed the 2020 project management course in Vancouver, Jan. 26-31. National Training Director Grant Jacobs led the training. The class covered 18 program modules which included a range of topics necessary for project management. The in-depth program helps Boilermakers develop the skills needed to plan and direct a project. Pictured front row, I. to r., National Training Coordinator j'Amey Bevan; Greg Blender, instructor; Peter Flemming, instructor; Director of National Training Grant Jacobs; Dale "Skipper" Branscum, instructor and Fred Cox, instructor. Middle row, I. to r., Kelly Rayne, cims, auditing; Gerry Klimo, instructor; Jason Speer, L-146 (Edmonton, Alberta); Richard Taylor, L-359 (Vancouver); Corey Steponick, L-146; Stephane Duguay, L-73 (Halifax, Nova Scotia); Brad Vezeau, L-128 (Toronto); Alain Noel, L-73; Michael Mikaluk, L-146; Jeff Shaw, L-555 (Winnipeg, Manitoba) and Mike Duchominsky, L-555. Back row, I. to r., IR Kent Oliver; Director of Health and Safety Jason McInnis; Thomas Cantwell, L-203 (St. John's, Newfoundland); Jon Ralph, L-128; Jamie Graham, L-146; Frederic Gosselin, L-146; Matthew Hudson-Grey, L-359; Mackenzie Walker, L-146 and Mike Sawyer, L-359.



Helmets To Hardhats forges Marine into career Boilermaker

THINGS WERE GOING pretty well for Tim Jefferies after his 12-year career in the U.S. Marines. Though he didn't know exactly what he wanted to do career-wise, he had started his own business remodeling bathrooms and kitchens, and business was steady. Until it wasn't.

"The bottom dropped out around 2007 when the economy began to tank," says Jefferies, who is business manager/secretary-treasurer for Local 549 (Pittsburg, California).

As Jefferies took stock of his job options, he remembered a Boilermaker who had helped him with some of his remodeling projects from time to time.

"He was a horrible carpenter," Jefferies jokes, "but he was a hard worker and funny all day long. He told me about his work with the Boilermakers."

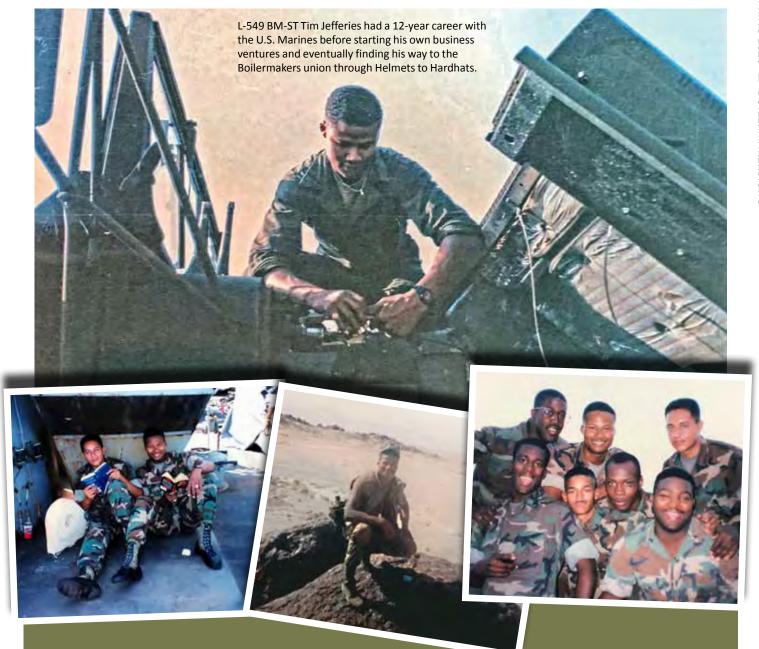
He also told Jefferies about Helmets to Hardhats, a national nonprofit that connects retired and transitioning active-duty military service members with skilled training and career opportunities in the construction industry. The International Brotherhood of Boilermakers is a long-time partner in the program and one of the trade options for participants.

"At the time, I thought, 'cool, eventually I should get involved with Helmets to Hardhats,' but now I was looking at what to do to support my family, so I enrolled," Jefferies recalls. He was quickly processed into Helmets to Hardhats, connected with other military colleagues and connected with Boilermakers Local 549. "At that point, I knew it was a good program. The time from then to now has been very rapid and mind blowing."

Jefferies began his apprenticeship in September 2007, and by Spring 2008 got called to his first job. By 2013, he was a journeyman and apprenticeship coordinator, and in 2017, he was appointed business manager/secretary-treasurer.

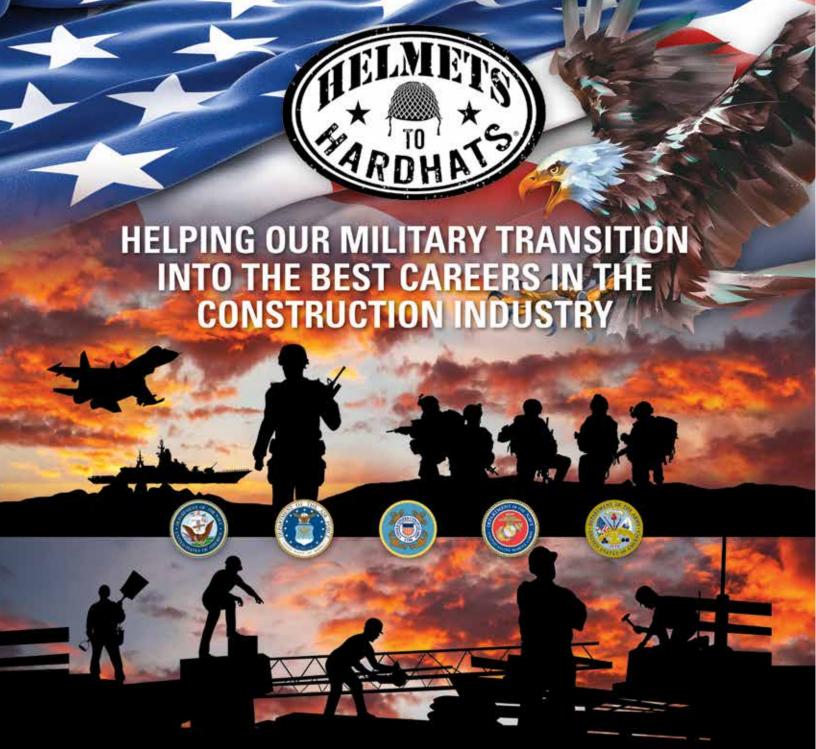
"There's so much that translates from the military to the Boilermakers," he says. "Like in the military, our apprenticeship is about making sure the whole team 'gets it'—it gets everyone caught up to the same level. And it's the soft skills, like being on time, following instructions, taking initiative and comprehending what's expected. It's solidarity and teamwork.

"Every time I talk to someone in the military, I tell them to get enrolled in Helmets to Hardhats." ■



"There's so much that translates from the military to the Boilermakers. Like in the military, our apprenticeship is about making sure the whole team 'gets it'... It's solidarity and teamwork. Every time I talk to someone in the military, I tell them to get enrolled in Helmets to Hardhats."

For more information about Helmets to Hardhats, visit www.helmetstohardhats.org



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D-NRS-CSO Tim Simmons, left, presents a retirement gift from the Boilermakers to Dave Douin, Boilermaker and outgoing executive director of the National Board of Boiler and Pressure Vessel Inspectors.

Douin retires from national inspection board

FROM DAVE DOUIN'S years as a Boilermaker to his final job as executive director for the National Board of Boiler and Pressure Vessel Inspectors, the work life of this Local 363 (East St. Louis, Illinois) member has been all about the boilers.

It all began shortly after high school graduation when Douin took a job at a coal-fired power plant as a timekeeper, checking men and women in and giving them their brass. That's when a Boilermaker steward took a liking to him and helped him indenture into the union.

Nine years after completing his apprenticeship and working as a Boilermaker, the business agent at L-363 suggested to Douin that he could keep working around boilers—but might he consider doing it as an inspector?

"He was on the Illinois boiler board and he got me a job with the state as safety specialist," Douin said. In that job, Douin performed in-service inspections of all regulated pressure equipment as required by state law.

Douin worked for the State of Illinois for 26 years, ending his stint as director of boiler and pressure vessel safety to take on the role of executive director for the National Board of Boiler and Pressure Vessel Inspectors.

The National Board of Boiler and Pressure Vessel Inspectors, created in 1919, promotes greater safety through uniformity in the construction, installation, repair, maintenance and inspection of pressure equipment. National Board members are the chief boiler inspectors representing most states in the U.S. and all provinces of Canada.

After 10 years serving at the National Board, Douin stepped down in December to enjoy his grandchildren, his horses and fishing.



Paige Gray and Stephanie Zundel (tandem cycle on right) work their way up the pack at the UCI Para-cycling Track World Championships in Milton, Ontario. Gray is a control room operator at Black Hills Power in Pueblo, Colorado, and L-101 sponsors the racing duo. Photo credit: Simon Wilkinson

World-championship para-cycling team gets kick-start from L-101

WHAT STARTED OUT as a conversation about expensive hobbies led to Local 101 (Denver) learning about some unsung "hometown heroes"—and quickly becoming fans and supporters.

On a Black Hills Power job with AZCO, Inc., Boiler-maker superintendent Dave Uhl was chatting during a break with control room operator Paige Gray about his hobby—hot rods. An expensive hobby, to be sure, and Gray said she could relate. Her hobby, piloting a tandem bicycle, isn't cheap. A set of race wheels alone costs about \$3,000. Plus, she told him, there's travel, training, other gear and coaches.

Uhl learned that Gray pilots as part of a para-cycling tandem with blind cyclist Stephanie Zundel, the team's "stoker." Both are well-seasoned, competitive athletes. Zundel, blind since age three, was a marathoner and has two karate black belts. Gray was a power lifter and competitive elite individual cyclist. It was Gray's lifting coach who approached her about being a pilot for a tandem paracycling team.

"I was getting kind of bored with the single bike, and training by yourself is hard; so, I jumped at the opportunity," Gray says. She was paired with Zundel, and the duo started training in August 2019. In December, they competed in the U.S. Paralympics Track Cycling Cup in Los Angeles, winning three golds and a silver—and qualifying for the UCI Para-cycling Track World Championships in Milton, Ontario.

But as they trained and set their sights on Canada, costs added up.

"The equipment is stupid expensive," Gray says. "I have a good job at the power plant, but all of my disposable income goes into racing."

In addition, while Gray was able to use her vacation time to cover time off to compete, Zundel, a school counselor, had to take unpaid leave—and still find a way to pay her rent in addition to racing and travel expenses.

Uhl knew he had to help. He and fellow Boilermaker at AZCO, steward Russ Salazar, together pitched in \$200 from their pockets. But they knew they could do more, so they took Gray and Zundel's story—and a letter from the athletes—to their brothers and sisters at L-101. The local voted and gave another \$500.

"All the funds went to Stephanie," Gray notes, since she had to forgo income to compete and had some additional transportation expenses.

In February 2020, Gray and Zundel finished third in the 200-meter match sprinting—earning the first-ever medal for the United States at a world championship event—and eighth in the one-kilometer time trial. They are currently ranked seventh in the world for tandem para-cycling and are waiting to find out if they have qualified for the U.S. Paralympics team.

"We're going to train like we're going!" Gray says. "And if not, we have national championships in July."

"They're doing an exceptional job representing for the United States," Salazar says. "With Stephanie having a disability and Paige helping out—it just shows a different side of people outside of work."

He adds that Local 101 is a big fan club for Gray and Zundel.

"What they're doing takes a whole different mindset. They're pretty goal oriented, and it's just an awesome thing." ■



Boilermakers build community goodwill via donation to local hospital

CANADIAN BOILERMAKERS PROVED they are as generous as they are skilled. When members of Local 128 (Toronto) were performing scheduled maintenance on the Ontario Power Generation generating station biomass boiler they, along with their employer, Venshore Mechanical Ltd., raised over \$1,000 for the local hospital.

During the maintenance outage, OPG's staff hosted a charity luncheon at the generation station in support of the Atikokan General Hospital and invited the Venshore Mechanical crew to participate. Boilermaker superintendent, L-128's Lindsay Gannon, asked Venshore if the Boilermaker crew "could offer up any additional support for the cause."

Each person attending donated money. And in addition to the crew's donation of \$320, Venshore donated \$750, which brought the total to \$1,070 for the Atikokan Hospital.

Darrel Bray, L-555 (Winnipeg, Manitoba), business agent for the Thunder Bay Union Hall and Training Centre, often sees his brothers and sisters help out other people—whether that's through mentoring or donating to those in need.

"Boilermakers see that their role in serving the public goes beyond building, maintaining and repairing local infrastructure." ■

From cooking to crosses, Local 40 retiree helps the homeless

WHEN CALVIN MINTON from Local 40 (Elizabeth-town, Kentucky) retired in 2013, he'd planned to volunteer to build houses with Habitat for Humanity. A heart attack and hip replacement shifted that plan to something a bit less demanding. Instead, Minton uses his culinary skills to feed the homeless and his blacksmithing skills to raise money for a local shelter for the homeless.

For years, area churches around Elizabethtown banded together in the winters to give the homeless a warm place to sleep and a hot meal. One church would feed them on cold winter nights, and another would house them.

"Being an old, fat country boy I'm a pretty good cook, so I started to cook for them," Minton says, followed by a hearty laugh. Once a week he'd purchase enough food for about 60 people and turn out tasty dishes.

"I read a Bible verse about never turning your back on a stranger," he says, noting that was what led him to volunteer.

Eventually, two men from the church community opened a shelter for the homeless—Homeless Intervention Services. With the new shelter in place, Minton wanted to do even more to help. His grandson gave him the idea to use his blacksmithing skills to do it.

When he still worked in the field, Minton forged a tool that would pick off welding slag. So, when his grandson begged for a play knife, Minton figured he'd learn how to make one. He found a used anvil for around \$200, and a vice—an old-style one from 1903. After watching a few YouTube videos, he forged the knife.

"It was more like a butter knife, but it was a knife," he says.

While scrolling through YouTube, he ran across a video detailing how to make keychain-sized crosses and decided, since he had the equipment, he'd try to make one—but in a larger size. He quickly learned how to make crosses, customize them with a Bible verse and offer them to people in the community who would be willing to donate to the homeless center.

The crosses, made from a railroad spike, take approxi-

mately a week to forge. He usually makes five or six at a time. The first step is to clean the spike, which can take upwards of three hours. After layout, he cuts it with an angle grinder.

"Day three—that's when the 'heat and meet' starts," Minton says. He hammers out the crosses in a few hours. "And I have to coat them with something or they will rust just about overnight." He uses a beeswax mixture, which takes a couple days to cure. When the cross is complete, he makes a stole out of metal to drape across the top. He has a friend who makes the bases and a local shop that does the engraving.

The average donation for a cross runs from \$75 to \$200. Between his crosses and the fundraisers he's headed up, he's been able to donate close to \$5,000 to date to the shelter.

"It's been an adventure that I hope doesn't run out anytime soon," Minton says. ■



New Boilermaker races his stress away

THE DANIEL MILLER team, part of the Southern Sprint Car Shootout asphalt racing competition, has something other teams competing don't—one newly minted Boilermaker, Dave Tompkins. He's an employee at the recently organized Cemex plant, Local D2020, in Brooksville, Florida.

He's been on the pit crew of Miller's team for about a year, but he's been in the racing world since he was a kid. When he was five, his parents took him to a racetrack located in north Florida. His family was always working on cars.

Tompkins jumped back into the racing world in 2002.

"A friend got me into it," he says. "I just love working on the sprint cars. It's in my blood. I love the racing. Being able to build something, set it up and send it out. That's the rush of it, I guess."

Tompkins works on the underbelly of the car as car chief. "We carry out changes on the car before it's sent out to race. With the sprint cars, there are two practices, a heat race and feature race."

And being one of the pit crew, he's on call for all four events. In addition to making adjustments on the car, he checks fuel levels, the drive shaft and connecting rods and adjusts tire pressure. He also helps construct the car during the off-season.

"We're coming in the top three this year," Tompkins says with conviction. "Daniel Miller is a good driver with a lot of experience. I love being on this team."

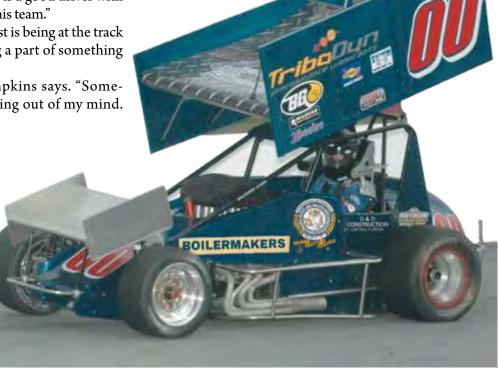
But what Tompkins loves the most is being at the track with the rest of the team and being a part of something bigger than himself.

"Racing feels like home," Tompkins says. "Someplace where I can go to put everything out of my mind. Even negotiations." ■



A few members of the Daniel Miller race team in front of the 2019 racecar. From I. to r. Dave Tompkins, Robbie Miller and Daniel Miller.

Boilermakers sponsor the Daniel Miller team, which includes new Cemex, Florida, Boilermaker Dave Tompkins. The group competes in Southern Sprint Car Shootout asphalt racing in Florida.



LOCALS AWARD SERVICE PINS



Local 1 • Chicago

ERIC S. DAVIS, BM-ST of Local 1, Chicago, reports presentation of membership pins to the following:

45 YEARS Edward Downs;

40 YEARS Kevin Brogan, John Burns, Michael Christy, Michael Cooley, James Gismondi, Patricia Hess, Charles Miggins;

30 YEARS Richard Talty;

25 YEARS James Schremp;

20 VFARS Joseph Bogusz, Erik Grobe, Brian Henson, Anthony Jeleniewski, Kristopher Lundquist, Robert Nelson, Isaac Rayes.

Local 83 • Kansas City, Missouri

SCOT ALBERTSON, BM-ST of Local 83, Kansas City, Missouri, reports presentation of membership pins to the following:

35 YEARS Norma Burkitt;

30 YEARS Lester Frederking, Harry Lowry, Sam Pritchard;

25 YEARS Jeffrey Kuzelka;

20 YEARS Chris Burks, Corey Fredrick, Thaddeus Hassebroek, Joshua Myers, Justin Phillips, Mark Shoemaker, Christopher Williams:

15 YEARS Joshua Black, Adam Dale, Adam Ewigman, Roberto Gonzales, Tatum Keister, Ryan Miller, Hoang Nguyen, Johnny Nguyen, Kerry Nguyen, Tai Nguyen, Yinh Nguyen.

Local 647 • Minneapolis

LUKE VOIGT, BM-ST of Local 647, Minneapolis, reports presentation of membership pins to the following:

60 YEARS Robert D. Moe, George W. Shilts;

55 YEARS Arthur M. Jackson, Duane D. Omdahl;

50 YEARS Richard L. Allord, Jerry W. Duden, Roger H. Kolbrek, Robert M. Staskivige;

Don D. Adkins, Brian J. Backer, Douglas N. Cummins, Michael T. Erickson, Wayne M. Everett, Melbourne W. Hertel, Mark K. Hickman, Robert M. Larson, John A. Legore III, William P. Leingang, Rudolph J. Morgando, Maynard J. Rathjen, Melvin K. Wappula, Glenn D. Wood;

40 YEARS Michael C. Bailey, Jerry L. Bistodeau, Kenneth M. Bunnell, Rex A. Gustafson, Michael J. Horsch, Jeffrey Jarnot, Michael A. Kiley, John C. Ladoucer, Thomas R. Luke;

35 YEARS Todd J. Shape, Michael B. Strand;

30 YEARS Merlin R Gerdes, Martin A. Jensen, Mark A. Kieffer, Robert M. Krings, Steven J. Loso, Shon B. Thole;

Randy D. Bartell, Randy P. 25 YEARS Hatzenbihler, Timothy F. Tucker;

Randall K. Fincher, 20 YEARS Joseph A. Newcomb;

15 YEARS Michael R. Paggen, Brandon D. Reichel, Troy W. Rincon, Ebrima Sanneh.

Local 650 • Lake City, Minnesota

DALE D. ADLER, PRESIDENT of Local 650, Lake City, Minnesota, reports presentation of membership pins to the following:

Norm Hager, Monte Hurlburt, Ralph Miller, Mike Muszynski, Steve Seipel, Jeff Wettern:

30 YEARS Bill Burns, Jeff Diepenbrock, Paul Hallenberger, John Kirkwood, Steve Larson, Richard Mickelson, Jeff Moyer, Brent Peters, Frank Schneider, Rich Schuth, Joe Schultz, Mike Sheeley, Rick Skifton, George Weaver;

Andy Alms, Jason Bauer, Shawn Bauer, Mark Beck, Jeff Palm, Al Rahrmann, Shawn Sexton;

20 YEARS Bob Stutesman;

15 VFARS Bruce Arens, Aaron Cliff, Michelle Dankers, Tracy Dorn, Brad Gilles, Dan Heitman, Sue Henry, Corey Mickelson, Sean Molitor, Ryan Nibbe, Jason Ohde, Tim Plote, Joe Roemer, Blake Settle, Gordon Slater.

> **DON'T SEE YOUR LODGE?** We publish only those lists sent to The Reporter from local lodge officers for pins received in the current year. If you don't see your lodge here, please ask one of your lodge officers to send us the list.

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EMAIL: reporter@boilermakers.org



75-year pin presented to Local 40's Reedy

BROTHER HERBERT "H.H." Reedy, also known as "A'Bear," received his milestone 75-year pin from Local 40 (Elizabethtown, Kentucky) BM-ST Mike Autry January 24, 2020, commemorating the day 75 years earlier—to the date—that Reedy joined the International Brotherhood of Boilermakers at the Ingalls Shipyard in Biloxi, Mississippi. After a hiatus for a stint in the U.S. Army, Reedy also worked at a Boilermaker fabrication shop in Oklahoma before being called to field construction and taking a job on a blast furnace in Chattanooga, Tennessee. Reedy retired in 1987, ut his reputation remains. "He was known for his desire to get it perfect," says Autry.



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ith deep sorrow, the International Brotherhood records the death of these members as reported to the International Secretary-Treasurer's office and extends its heartfelt sympathy to the bereaved families.

1	Chaousi, Gus
13	Birmingham, Raymond T
13	Doerr, Frank T.
13	Husvar, Michael G.
13	Wiernusz, Michael J.
13	Yoder, Walter J.
27	Hayes, Gary A.
27	Hummel, Frank
27	Parker, Teddy E.
29	Freel, Stephen J.
40	Eldridge, Gernie
40	Glisson, Thomas W.
40	Keown, Odell
40	Miller, William B.
40	Spaulding, James H.
45	Cockrell, Thomas W.
45	Stepp, Kenneth E.
60	Cannon, David F.
60	Haas, James R.
69	Brown, Frank R.
73	Duguay, Jean B.
83	Frazier, Leonard R.
83	Lombardi, Louie
83	Preston, Shawn M.
85	McHaffie, Robert L.
101	Flores, F. L.
101	Fultz, Raymond
104	Sashkov Sr., Vladimir
105	Canaday, Casey C.
108	Moses, Johnnie W.
108	Spaulding, Frank H.
128	Boggs, William E.
128	Hoffmann, K.
128	Marzan, Renzo
128	McAviney, John

128	Pettit, Kevin S.
128	Robazza, G.
128	Santavy, Kevin
128	Stoliker, Thomas
146	Bell, Harry
146	Bileski, Walter
146	Chinook, Thomas
146	Chung, Winston G.
146	Costello, Shawn
146	Fielding, John
146	Moratto, Mario
154	Cottrell, Larry A.
154	Gonzalez, Benadad
154	McFetridge, James R.
154	Salciccioli, Francis P.
154	Smith, Richard J.
169	Erickson, Doyle D.
169	Westphal, Charles N.
175	Looker, Roger E.
193	Slonaker, Ralph I.
242	Selivanov, Sergiy
271	Bergeron, Jean L.
271	Leblanc, Maurice
359	Edgar, Orville B.
359	Klassen, Curtiss A.
359	Lhirondelle, William E.
359	Morgan, Edward J.
359	Nickiforek, Tom
359	Roszak, Thomas R.
359	Shook, Ivan E.
363	Conley, Jerry L.
363	Davidson, James M.
363	Gardner, Monty L.
363	Kehrer, Steven W.
262	Discounted Decree D

Pimentel, Boomer R.

374	Austin, Philip N.
374	Hyatt, Thomas A.
374	Jones, Albert J.
374	Rose II, James R.
502	Born, Michael K.
549	Clayton, Allen A.
608	Kozakiewicz, Adam J.
647	Anderson, Tracy L.
647	Erickson, Norman E.
647	Johnson, Max
647	Johnson Jr., Walter J.
647	Kleingartner, Norbert
647	McPheeters, Richard I
647	Olson, Daniel A.
650	Brommer, David P.
667	Harlow, Arthur D.
667	Meenach, Owen H.
667	Newcome, Ralph D.
717	Peddle, James J.
744	Dombrowski, Mark S.
744	Tymoschenko, William
744	Winwood, Paul A.
900	Kovacs, Lawrenc S.
900	Lukezic, David
D18	Talpas, Martin
D23	Darsey, Daniel K.
D209	Sellers, Kenneth J.
D488	Hicks, Robert
D494	Willems, Peter
M300	Jackson, Joseph S.
S50	Poole, Hugh A.

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