



Young Pipeliners Association of Canada

Organizational Update - May 2020



Building the next generations of pipeline industry leaders

<https://ypacanada.com/>

YPAC Overview

YPAC's Vision & Missions

Creativity. Bold Vision. Focus.

YPAC is **building the next generations of pipeline industry leaders** by:

- **Network:** Providing a network of peers to reach out to when you need support, connection, and inspiration
- **Knowledge:** Ensuring members have knowledge of what is going on in the industry and the markets through social media and events
- **Opportunities:** Enabling our members to have access to opportunities for development; both personal and professional
- **Impact:** Shaping the future of the industry so that it attracts and retains high potential young professionals and advocating for government and industry to engage in two way dialogue with young professionals

The guidance, mentorship and sponsorship of our advisors has been an integral part of developing influence and delivering valuable programming to YPAC members.

Key 2019 Achievements

- New chapters in 7 cities across Canada (bringing us to 10 Chapters across Canada)
- Reached 1900 members, engaged with over 700 individual young pipeliners
- Established strong social media presence
- Hosted 30 events across Canada to develop and motivate prospective and current young pipeliners, including the 2019 YPAC Conference: Shaping the Future of the Pipeline Industry
- Represented young pipeliners at the Senate Committees (Bill C-69 & C-48)

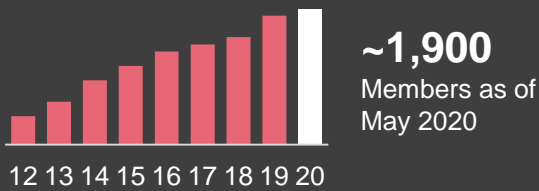
Looking Forward

- Clearly articulate YPAC's vision of the future and shares our vision broadly through social media; communicate with key stakeholders and the public at large
- Engage with government on policy and decision making
- Continue to organize meaningful events across Canada to promote industry knowledge transfer and professional development
- Strengthen Canada's presence in the global young pipeliners community

YPAC OVERVIEW

Snapshot of the organization

Continuous Growth since 2012



10 Chapters in 8 Cities across Canada

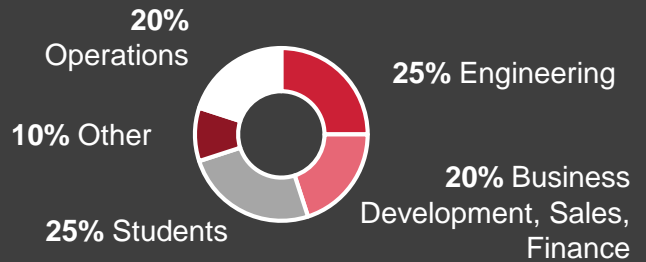


Member Distribution by Company Type



* Universities, Research Institutions, Unspecified, etc.

Member Distribution by Profession



International Affiliation

- YPI (Young Pipeliners International)
- YPPUSA (Young Pipeline Professionals USA)
- YPP Europe
- YPP Brazil
- YPP Mexico
- YPP Australia

Industry Partnerships

- CEPA & CEPA Foundation
- ASME
- PRCI
- CSA Group
- CGA
- IPC

Long-Term Goals

Creativity. Bold Vision. Focus.

Mission & Goal	Success Measures
<p>Network Membership becomes a career development Launchpad and a place to find inspiration and connection. Every young person working in the industry is a YPAC member.</p>	<ul style="list-style-type: none"> ▪ Thousands of young professionals directly reached through YPAC event/program sustains membership growth ▪ Inspire young pipeliners to find meaning and value in their work
<p>Knowledge Engaging in two-way dialogue about critical forces impacting the industry builds leadership capacity for members and catalyzes change: Indigenous Reconciliation, Climate Change, Technological Innovation, and Diversity & Inclusion.</p>	<ul style="list-style-type: none"> ▪ Social media, communication materials, events and programs equip members with tools to understand key industry forces ▪ Young pipeliners catalyze the pipeline industry to engage in Reconciliation, combatting Climate Change, Innovation, and Inclusion.
<p>Opportunities Connecting high potential young pipeliners with excellent development opportunities shapes the future of industry, government, regulators, and innovation.</p>	<ul style="list-style-type: none"> ▪ Policy-impacting federal, provincial, and municipal government engagements occur ▪ Execute Indigenous Inclusion Strategy ▪ Contribute to technical and industry committees (CEPA, IPC F, CSA, CGA) ▪ Academia, students, and industry collaborate on problems and share best-practices
<p>Impact Our clear vision of the future of the pipeline industry resonates with members, key stakeholders and the public. YPAC enables the industry to attract and retain high potential talent.</p>	<ul style="list-style-type: none"> ▪ Public perception shifts about the pipeline industry because it is actively addressing key concerns of the next generation ▪ The next generation is energy literate and trusts the pipeline industry to deliver oil and gas safely ▪ High potential young professionals join the pipeline industry and become advocates



How can advisors help us achieve our goals?

- On-going advisory on organizational strategy and high-level direction
- Access to development opportunities within our Advisors' organizations (volunteering on committees, supporting events and speaking opportunities, etc.)
- Promotion of YPAC & advocacy within the Advisor's organization

Our Vision of the Future

Creativity. Bold Vision. Focus.

Tenants	Action
<p>Climate Change Pipelines play an integral role in Canada's ability to reach net-zero emissions by 2050. Building, operating, and maintaining pipelines, combats climate change.</p>	<ul style="list-style-type: none"> ▪ National Hydrogen strategy ▪ Enabling Carbon Capture ▪ Reduced GHG (Methane) Emissions ▪ Fuel switching (coal to gas) ▪ Policy timelines and non-partisan evaluation of projects: natural gas and oil are an integral part of the energy ecosystem and enable renewable energy, net zero buildings, and reliability ▪ Energy efficiency programs
<p>Indigenous Reconciliation Pipelines advance Canada's Reconciliation with Indigenous peoples. The pipeline industry fully engages with Call to Action 92 from the Truth & Reconciliation Commission.</p>	<ul style="list-style-type: none"> ▪ Meaningful consultation, respectful relationships, free prior and informed consent of Indigenous peoples ▪ Inclusion of Indigenous peoples and perspectives in YPAC ▪ Education for YPAC members about the history and legacy of residential schools, UNDRIP, Treaties and Rights, Indigenous law, and Crown duty to consult
<p>Innovation Pipelines are a source of innovation, and adopt advanced technology to ensure the safe, reliable, and environmentally outstanding transportation of fluids (oil, natural gas, water, hydrogen, carbon, etc). Young pipeliners receive the support they need to excel.</p>	<ul style="list-style-type: none"> ▪ Enabling innovation in pipeline safety, operations, maintenance, and construction ▪ Training and developing the next generation of high tech professionals and skilled trades people ▪ Adopting and optimizing new technology ▪ Research in reducing oil sands energy intensity
<p>Diversity & Inclusion Pipelines are a diverse and inclusive place to work. Senior leaders listen to the perspective of young pipeliners and our input shapes strategy.</p>	<ul style="list-style-type: none"> ▪ Addressing gender gaps in senior leadership ▪ Ensuring fair and equitable maternity and paternity leave (enforcing paternity leave of at least 1 month). Enabling flexible work circumstances where required ▪ Industry and government engaging in two way dialogue with young pipeliners ▪ Adapting corporate values to address Climate Change, Reconciliation, and Innovation

YPAC Advisory Board Meeting

Key Takeaways – May 14, 2020

Industry Challenges	Industry Opportunities
<ul style="list-style-type: none">▪ Paused major projects, layoffs, and budget cuts▪ Ongoing operations, maintenance, and project execution▪ Continuing research despite global pandemic and budget cuts▪ Adjusting to the new normal post-COVID▪ Employee Safety and Mental Health▪ Energy literacy of the general public and stakeholders▪ Attracting young people to the industry	<ul style="list-style-type: none">▪ Reconciliation – collaboration with indigenous peoples beyond consultation▪ Diverse representation of the industry (e.g. young people’s voice)▪ Increased engagement with young professionals & students (pipeline industry as a career choice)▪ Increased utilization of technology (increased productivity and environmental performance)▪ Increased collaboration across oil and gas value chain



Input for YPAC’s Future Direction

Establish a platform for young pipeliners



Provide education for the young generation (increase energy literacy)



Share young professionals’ vision for the industry’s future



Connect academia, students, and industry professionals to innovate, solve problems and share of best-practices



Clearly align goals and success measures to unique & ambitious missions