

Rochelle Longval
Vice President, Innovation
Hephae Energy Technology

I am involved in the Geothermal Rising Workforce Success Group and am committed to being an ally to foster a collaborative community, elevate diverse perspectives, and empower individuals. I look forward to leading the geothermal cake drilling activity as a part of the upcoming Geothermal Discovery Day.

A written statement

My name Rochelle means little rock and since a young age I have had a passion for understanding the power our earth holds. I started my career as an exploration geologist in the oil and gas industry, building strong technical foundations.

My journey into geothermal began when I moved to the rural town of Kaslo in British Columbia, Canada, where I discovered local hot springs. Through heating our home with wood, I saw firsthand the need for sustainable, accessible energy, sparking a lifelong commitment to advancing geothermal both locally and on a global scale.

Since pivoting to geothermal, I've energized communities and scaled four startups with a focus on innovative geothermal technologies that include: advanced geothermal systems, CO2 plume, and electro-hydraulic pulse for wellbore maintenance. Today, as Vice President of Innovation at Hephae Energy technology, I help drive high temperature drilling solutions to enable access to deeper, hotter rock, increasing energy output and reducing drilling costs.

Thought Leadership:

Speaker and published author at leading global conferences (Iceland Geothermal Conference, GeoConvention, EGEN Heating & Cooling Days, GeoTHERM, Geothermal Rising, New Zealand Workshop, Geothermal Accelerator Conference).

White paper in European Energies Journal.

Leading the Kootenay Lake Hot Springs Field Trip for World Geothermal Congress.

Early Accomplishment Award, Association of Professional Engineers & Geoscientists of Alberta.

Best Presentation Award at GeoConvention 2024.

Nominated for Canada's Clean50 leadership award.

Young Women in Energy Award Recipient as a catalyst for changing the face of energy.

Business Accomplishments:

Participant, Canada's first CarbonTech Accelerator.

Built partnerships with 60+ geothermal operators across North America, Asia-Pacific, and Europe to address challenges in wellbore integrity and longevity.

Raised >\$10 million in non-dilutive funds to advance geothermal development in Canada.

Board Involvement & Leadership Highlights:

Ambassador, Energy Futures Lab: Collaborating with diverse leaders to shape the future energy system. Championing intergenerational collaboration and young entrepreneurship.

Clean Energy Task Force Committee (Columbia Basin Trust): Supporting the advancement of regional geothermal development.

Women in Geothermal (WING) Canada Ambassador:

Leading the Battle of the Bands event at the World Geothermal Congress.

Developed the WING Co-Mentorship Program, fostering meaningful peer-to-peer connections and cross-border collaboration with WING UK, Germany & New Zealand.

Canadian Energy Geoscience Association: Geothermal Division Co-Chair, facilitated technical talks and sector engagement.

Avatar Innovations: Coach for emerging energy leaders developing innovative business solutions.

“Rochelle’s proven success in scaling a global business with an emerging technology is a testament to her strategic acumen, operational excellence & unwavering dedication to advancing geothermal. She empowers teams to push boundaries, challenge conventional thinking & develop solutions that drive lasting impact” -Marci Hamilton, Former CEO, Blue Spark Energy

“One thing I notice each time we connect is how inspired I feel. Rochelle truly loves what she loves - from the tiniest trace fossil to disruptive geothermal business models - and her energy is infectious” -Liz Lappin, CEO CGM

“Her commitment to ensuring accessible energy makes her a foundational rock that communities can place their trust and know change for better is in the works” -Association of Professional Engineers & Geoscientists of Alberta

Board Plan

I am running for the Geothermal Rising board because I believe in the power of connection and collaboration to accelerate geothermal on a global scale.

My strength is integration, bridging technology with strategic growth. Having navigated diverse roles, I know the importance of building bridges: across industries, between vendors and operators, and within the broader ecosystem of policy, finance, and community. In running for the vendor/supplier seat, I aim to elevate our voices and strengthen the bridge that supports geothermal growth, so that we all move forward together.

Education is at the heart of building a thriving geothermal community, and I am committed to building pathways for the next generation of leaders. I prioritize intergenerational collaboration, creating spaces where emerging professionals can connect with industry leaders to exchange knowledge, share perspectives and co-create solutions. Through interactive “one need, one offer” workshops and global co-mentorship programs, I create powerful opportunities for our community to connect. By fostering these connections, it strengthens the entire geothermal ecosystem and builds capable, inspired leaders ready to drive the industry forward. I look to bring this same energy to Geothermal Rising and am committed to being an ally to foster a collaborative community, elevate diverse perspectives, and empower individuals.

I actively support Indigenous communities, working to amplify voices, build capacity, and advance projects rooted in respect for their values, traditions, and long-term aspirations for generations to come. Having seen the impactful work of Indigenous-led geothermal development, I look to help support Geothermal Rising’s Indigenous Symposiums, facilitating cross-cultural dialogues and partnerships to enhance the role of Indigenous communities in the geothermal energy sector.

Policy is a critical pillar to advance geothermal energy development. In Canada, I have supported the regulatory bodies in Alberta and New Brunswick in developing geothermal resource regulation. From leading the permitting process from an operator’s lens, it became clear the need to have a robust regulatory framework. One that has sufficient staff capacity, predictable timelines for permitting, technical assistance for evaluating applications, and flexibility to remain technology agnostic to accommodate all types of geothermal systems. I aim to continue advancing this work by advising on best practices and facilitating collaboration between regulators, federal agencies, Indigenous energy leaders, municipal representatives, and utilities to ensure safe and efficient geothermal development.

Having navigated diverse roles in the geothermal start-up space, I bring adaptability, resilience, and a holistic perspective. From building partnerships and securing funding to advancing technology and leading teams, I've learned to bridge technical, business, and policy needs. This ability to integrate across disciplines allows me to contribute meaningfully to Geothermal Rising's mission to accelerate the growth of geothermal worldwide. Finally, my guiding principle is that if one of us succeeds, we all succeed. A principle shared at a Geothermal Rising communications workshop that has stayed with me ever since. I am committed to fostering a collaborative, inclusive, and empowered community where diverse voices are elevated, ideas are exchanged freely, and individuals are supported to reach their potential. Together we can create a stronger, more resilient, and sustainable energy future for all.