



GEOTHERMAL RISING

Candidates for Board of Directors Applicant Form 2027-2029 3 Year Term

Personal Information

Name Soble Joshua

Phone Number [REDACTED]

Organization and Title (optional) Green Therma, Business Development

Please provide a brief candidate biography and statement describing your background and qualifications for serving on the Board (maximum 750 words).

I am a geologist by training who has spent my career moving projects from concept through feasibility, design, and construction, and building the commercial case that gets them financed and built.

In my current role I lead business development for Green Therma in the northeast US, working to develop the company's US commercial pipeline for its Advanced Closed Loop (ACL) / Deep Direct-Use (DDU) well system, Heat4Ever™. ACL/DDU is where I spend a growing share of my time, because it fills the gap between shallow geo-exchange and geothermal power generation – delivering high-temperature thermal energy at scale, from a single well pad, in district/networked and campus settings where surface area is the binding constraint. Alongside that work I advise institutional owners, developers, and lenders on geo-exchange and ground source heat pump (GSHP) projects, including independent technical review on behalf of lenders underwriting them. That last category matters to me: capital does not flow to a technology it cannot diligence, and much of that work is translating subsurface risk into terms a credit committee can act on.

I was previously the US Country Manager for Celsius Energy, SLB's (formerly Schlumberger) shallow geothermal heating and cooling business, where I led the US business and its deployment across existing-building retrofits and new construction. In that role I contributed to the Eversource networked geothermal project in Framingham, Massachusetts – the first utility-owned thermal energy network in the United States, and still the reference case for regulated utilities evaluating thermal infrastructure as a rate-based asset. Working that project from the inside highlighted how much of this industry's future depends on questions that are not technical at all: regulatory classification, cost allocation, workforce, and who is permitted to own what.

Understanding both ends of that spectrum across our industry – a 400-foot geo-exchange borefield and a multi-thousand-foot production well – is the perspective I try to bring to the Board.

Earlier in my career I developed distributed energy and energy efficiency projects including solar PV, cogeneration, HVAC overhauls, real-time energy management systems, and high-performance building certifications. I began in Washington, DC, working for national energy trade associations, which gave me an early and durable appreciation for what organized industry advocacy can accomplish and how long it takes. I hold a B.S. in Geological Sciences from the University of Michigan and live in New York City.

My qualification for continued Board service rests on three things. First, I work in this industry every day,

on live projects with real budgets, which keeps my view of our obstacles current rather than retrospective. Second, I sit at an unusual intersection — subsurface and buildings, shallow and deep, technology developer and owner's advocate — that lets me speak credibly to constituencies that do not always speak to each other. Third, I have already done the work: existing and sustained Board service, multi-year committee contribution to our TENs programming, and direct advocacy on the Hill.

Geothermal is the only resource that addresses thermal demand — the largest single share of energy consumed in buildings — with domestic, always-available, infrastructure-grade supply. It reduces load on a constrained grid rather than adding to it, and it does so with resources that cannot be embargoed, curtailed, or shipped overseas. That is a serious argument about energy infrastructure and energy security, and Geothermal Rising should be making it relentlessly. I would like to keep helping.

Your Personal Geothermal Rising Involvement statement (Maximum 500 words).

I am a current member of the Geothermal Rising Board of Directors, standing for re-election to a three-year term.

My most visible contribution has been to Geothermal Rising's annual Thermal Energy Network (TEN) Symposium. I have served on the Conference Planning Committee since its early years, working on programming, session structure, and speaker recruitment, and helping shape the event from an emerging-topic gathering into a flagship convening that brings together utilities, regulators, campus and municipal owners, drillers, manufacturers, and developers. The Symposium has become the venue where the thermal side of our industry does business, and I have treated its growth as a personal responsibility. I am currently active in planning for the 2027 Symposium, including venue evaluation, program creation, and sponsorship development — work that directly supports the event's financial sustainability rather than leaving it dependent on registration revenue alone.

I have also participated in Geothermal Rising's Capitol Hill Day, meeting directly with congressional offices to build support across the full range of geothermal technologies — geo-exchange and ground source heat pumps, deep direct use, and high-temperature power generation. Those meetings on the Hill have directly contributed to the case that siting and permitting reform is one of the highest-leverage federal actions available to us. I have found that congressional staff respond well when the situation is framed around energy infrastructure, domestic resource development, and grid reliability — and that they are often surprised to learn geothermal encompasses anything beyond power plants in the West. Correcting that impression, office by office, is not headline-grabbing but genuinely useful.

Within the Board itself, I have tried to be a reliable and prepared director: attending meetings, engaging with organizational and financial matters seriously, and advocating for the built-environment and thermal-networks constituency that has become an increasingly large share of our membership. I have worked to bring new members and new companies into the organization from the buildings, district energy, and utility sectors — people who did not previously think of themselves as part of the geothermal industry and now do.

More broadly, I attend and support Geothermal Rising's other annual conferences, engage with members throughout the year, and contribute to industry conversations where I can add technical substance — including on resource characterization, techno-economic comparability across technologies, and the market data many corners of our industry still lack. Geothermal Rising is the best positioned organization to convene the entire industry under one roof. Protecting and expanding that role is why I have given the organization my time, and why I would like to continue.

Statement of your personal plan if elected (Maximum 500 words).

If re-elected, my plan centers on collaboration across geothermal's technology families. Our industry is strongest when geo-exchange, deep direct use, and high-temperature power generation are understood as one resource base serving different loads, and the gains from working that way — shared policy arguments, shared credibility with owners and regulators, shared attention — are available to every part of our membership at once. Geothermal Rising is the organization best positioned to make that happen.

Continue to make the annual TEN Symposium the industry's convergence point. I will continue my leadership role in Symposium planning, and I will use that platform deliberately to bring geothermal's technology families into the same room and the same conversation. Deep direct-use providers, geo-

exchange and GSHP practitioners, advanced and enhanced geothermal system operators, and the district energy and utility community too often operate as separate industries competing for the same limited attention and the same policy oxygen. They shouldn't. A campus that installs a geo-exchange borefield today is a candidate for a deep direct-use supply well tomorrow; a network built for one resource can utilize another. I want the 2027 Symposium and those following it to be structured around that integration – shared sessions, mixed panels, and programming that makes the systems case rather than the technology case. Concretely, that means continuing my work securing anchor sponsorship and venue commitments that let the event grow without pricing out the owners and public-sector participants we most need in the room.

Focus on industry-driven regulatory engagement. I will keep participating in Capitol Hill Day and Geothermal Rising's advocacy, with a specific focus on permitting timelines, jurisdictional clarity for thermal wells, and subsurface thermal rights – a legal question almost no state has resolved and which may constrain deep direct-use deployment before the technology ever does. This is where federal and state engagement produces disproportionate return, and it benefits every technology in our membership simultaneously.

Grow membership from the parts of our industry that don't yet know they're part of our industry. The largest membership potential for Geothermal Rising is among building owners, campuses, municipalities, utilities, and the engineering and drilling firms serving them. I will continue recruiting from that constituency and advocating for programming, resources, and member benefits that make Geothermal Rising obviously worth joining for someone whose entry point is a heating and cooling problem rather than a subsurface one.

Underlying all of it is the framing I will keep pushing: geothermal is energy infrastructure. It addresses the largest share of building energy consumption, relieves rather than burdens an increasingly constrained grid, and draws on a domestic resource that cannot be interrupted by weather, geopolitics, or supply chains. That is the argument that wins, and Geothermal Rising should own it.

Upload your Personal Bio Photo



Signature

Date

Friday, August 28, 2026

If you have any questions regarding the election process, Board service, or candidate materials, please feel free to reach out directly to Caity Smith, Chair of the Governance & Nominations Committee, at csmith@xgsenergy.com.