

Geothermal Project Feasibility Study

Peter Lucas conducted a regulatory assessment for the initial phase of a geothermal industrial heating feasibility study.

Deliverables encompassed within a summary report included:

- a preliminary evaluation of the proposed drilling sites,
- a preliminary risk assessment associated with each of the regulatory challenges,
- a regulatory review roadmap (high-level compilation of federal, provincial, and local regulations and relevant sections of each); and
- an application roadmap providing known timelines, costs, and other details for the various permitting processes that would be required to continue project development.

Please read for more details →

Included in the scope of work, Peter Lucas reviewed and investigated:

- Local, provincial, and federal regulatory requirements, guidelines, and legislation on:
 - how conventional drilling regulations apply to geothermal operations,
 - noise and illumination restrictions during construction,
 - disposal procedures and transportation of drilling waste,
 - environmental considerations; and
 - setback requirements for equipment, fluid holding tanks, hazardous materials, etc.
- Permitting and licensing procedures for:
 - geophysical exploration and surveying,
 - geothermal and mineral rights,
 - drilling authorization for geothermal development; and
 - stakeholder and community engagement requirements.
- Recommendations on site viability based on the regulatory and permitting review.

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