



"Accelerate Canadian exploration and development of geothermal resources in order to provide secure, clean and sustainable energy"

Canadian Geothermal Energy Association's 2009 Program

January, 2009

From time to time, CanGEA will seek the input of consultants to carry out the Association Goals. At this time, thirty two (32) projects have been identified, which, upon completion, will allow CanGEA to accelerate the development of geothermal energy in Canada.

The projects are described in this document. CanGEA invites interested parties to bid on the projects, bids being due before 5:00 p.m. MST Wednesday, March 4th, 2009. Bids should be submitted to Alison@cangea.ca or CanGEA, Attn: Alison Thompson, P.O. Box 1462, Station M, Calgary, Alberta, T2P 2L6

All bids must contain the following:

- Name and Contact Information of Bidder(s)
- Resourcing of Project
- Relevant Qualifications
- Timeline to completion
- Estimated total project cost
- Draft contract and fiscal (payment) terms
- Detailed Description of final deliverable

Preference will be given to bids received from CanGEA corporate members.

At their discretion, CanGEA reserves the right to not award the contract.

Warm Regards,

Alison Thompson, M.Eng, B.Eng, P.Eng, MBA

Chairman & Executive Director, CanGEA

CanGEA

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Projects:

Organization Capacity Building

1. Strengthening CanGEA's Organization Capacity

Technology and Development

2. Participation in the US led Renewable Energy Transmission Initiative (RETI) and Western Governors' Association (WGA) Studies on Transmission
3. Geothermal Technology Roadmap
4. Geothermal Grid Code for Geothermal Development

Outreach Programs

5. Canadian Developers: Project Overviews
6. CanGEA Speaking Engagements and Presentations
7. CanGEA Video Proposal – Technical
8. CanGEA Video Proposal – Non-Technical
9. Geothermal Overview Workshop – Communities with Geothermal Potential
10. Geothermal Overview Workshop – First Nations
11. Geothermal – New Industry Entrant Workshop
12. CanGEA Website Maintenance and Support
13. CanGEA Public Communication Support
14. CanGEA Annual Conference
15. Direct-Use Geothermal Opportunities in Canada

Business and Market Analysis

16. British Columbia Power Market (Demand)
17. Alberta Power Market (Demand)
18. Northwest Territories Power Market (Demand)
19. Yukon Territories Power Market (Demand)
20. Pacific Northwest United States Power Market (Demand)
21. A Detailed Assessment of Canadian Based Geothermal Power Generation (Supply Side of the Forecasted Renewable Power Portfolio) and How it Can Serve the Regional Power Demand

Economic, Environmental and Legal Considerations

22. Calculating the Economic Benefit of the Canadian Geothermal Industry: Geothermal Employment, Investment and Taxes
23. Expected Economics of a Canadian Geothermal Project
24. Renewable Incentives and Geothermal Energy
25. Global Geothermal Legal Framework Best Practices Review
26. Geothermal Reporting and Reserves Code Development
27. Geothermal Externalities

Educational Development

28. Canadian University/College Engineering – Curriculum Review and Module Development
29. Canadian University Geology – Curriculum Review and Module Development
30. Canadian University Geophysics – Curriculum Review and Module Development
31. Canadian University/College Business – Curriculum Review and Module Development
32. Canadian Grade School – Curriculum Review and Module Development

Resource Assessment

33. Assistance to the Geological Survey of Canada's proposed geothermal resource assessment of Western Canada



Proposal #33: Direct-Use Geothermal Opportunities in Canada

CanGEA requires a study to evaluate opportunities for direct-use geothermal projects in Canada. Direct-use geothermal implies a direct application for geothermal-sourced hot water in industrial processes requiring abundant heat (i.e. pasteurization and greenhouses). Project deliverables include a report which identifies areas conducive to direct-use geothermal in Canada and the respective industries it would benefit in those regions.

Bids Close March 4th, 2009