



# Geothermal Grant and Loan Program

Pre-Application Workshop (GFO-23-402)

Reliability, Renewable Energy, & Decarbonization Incentives (RREDI) Division

October 23, 2024



# Agenda

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- Housekeeping
- Section I - Introduction
- Section II - Eligibility Requirements
- Section III - Application Format and Submission
- Section IV - Evaluation (Scoring Criteria) and Award Process
- Key Dates and Documents
- Question and Answer Period



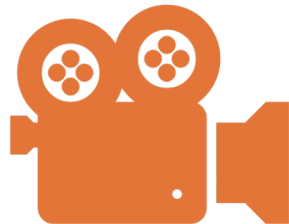
# Diversity Survey

- The Energy Commission is committed to ensure participation in its funding programs.
- We are collecting voluntary information about the attendance of this workshop.
- The information supplied will be used to display anonymous overall attendance of diverse groups





# Instructions



Meeting is being recorded

Presentation materials  
available at: [Pre-Application  
Workshop - GFO-23-402](#)



Updates to the solicitation will  
be posted here: [GFO-23-402](#)



# Section I - GFO-23-402

Introduction & Background





# I.I. Geothermal Grant and Loan Program Background

**When?** The Geothermal Program was established in 1980

Using as funding source the Geothermal Resources Development Account (GRDA)

**How?**

Uses revenues paid to state from geothermal royalties and leases on federal lands in CA

- **30% to California Energy Commission's (CEC) Geothermal Grant and Loan Program**
- 30% to Renewable Resources Investment Fund
- 40% to counties of origin

## Statute

- Public Resources Code (PRC). Division 3. Chapter 6. Sections 3800 – 3827
- Defines who can apply and the topics that can be funded

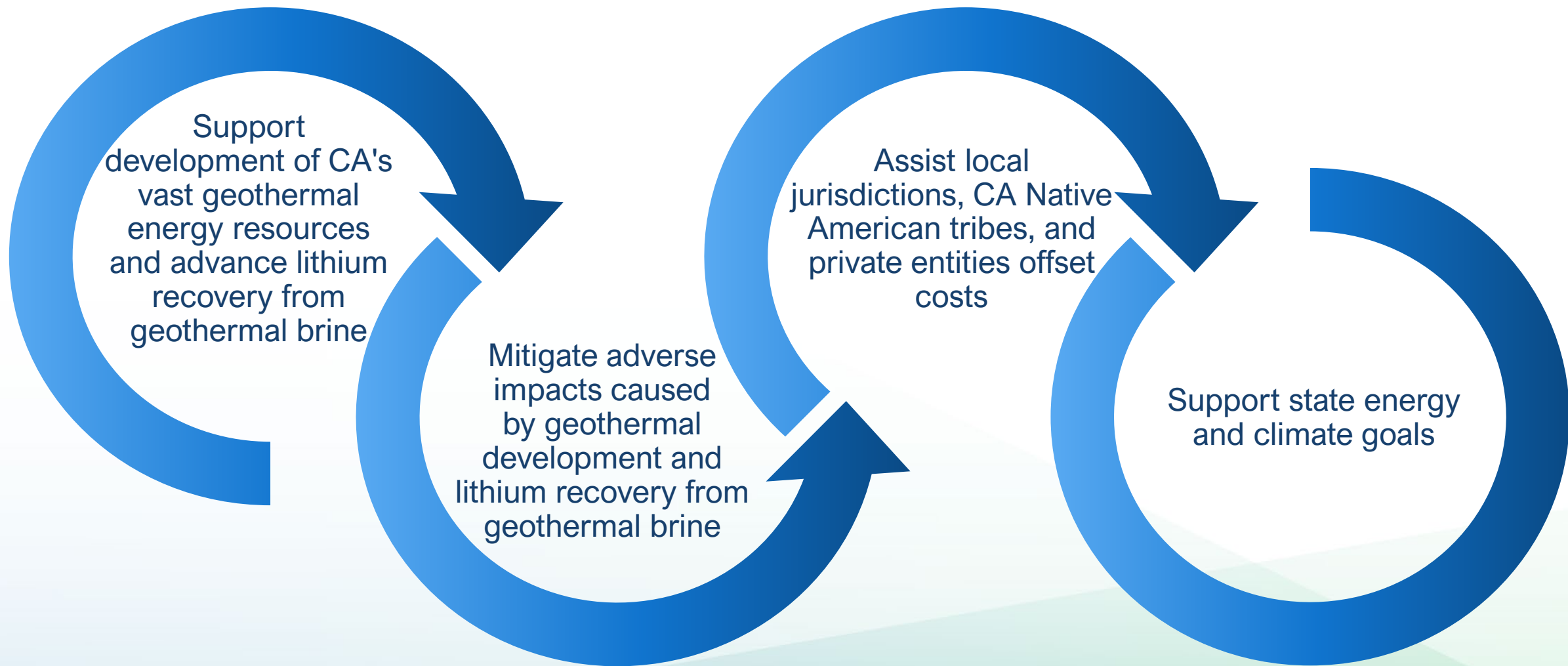
**What?**

## Regulations

- Title 20. Division 2. Chapter 4. Article 7. Sections 1660 – 1665 and Appendix A
- Defines application process, award procedures, and scoring criteria



# I.I. Geothermal Program Mission



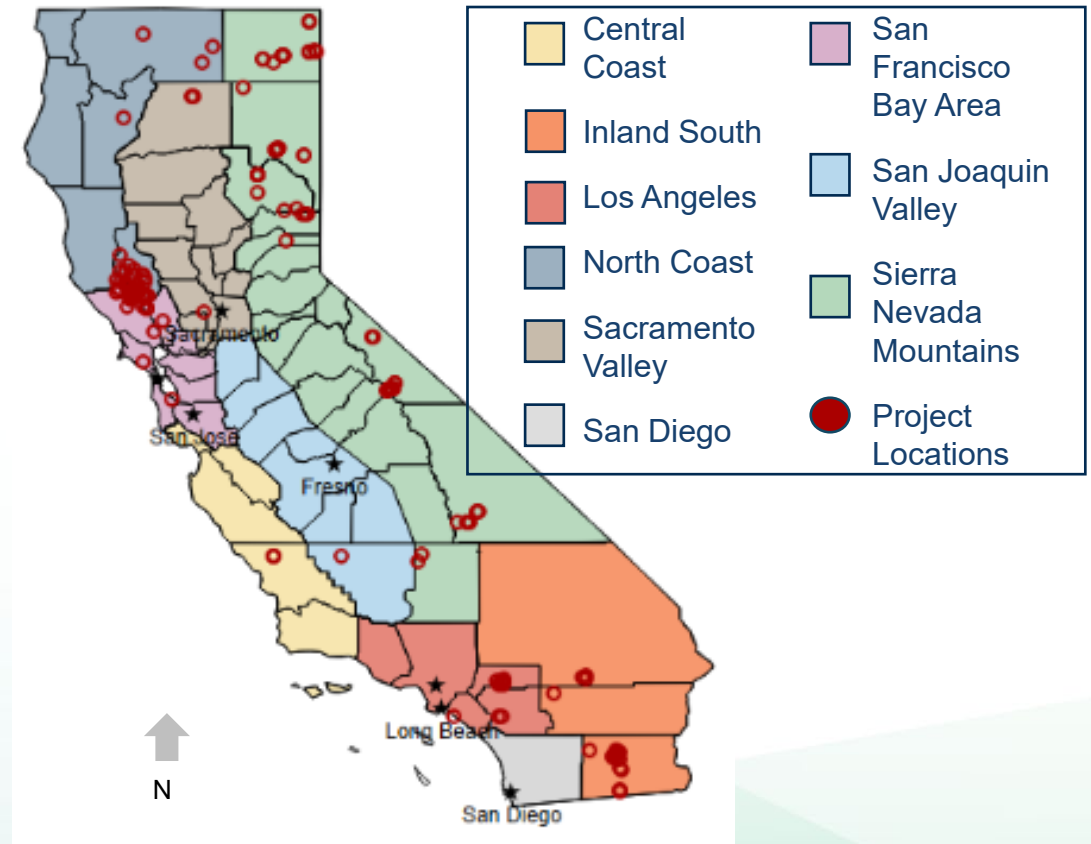


# Geothermal Program in Numbers

## Since Inception of Program:

- \$61 million awarded across 169 projects
- \$43 million in disadvantaged, low-income, and the overlapping areas of disadvantaged + low-income communities
- \$1 million in projects benefiting tribes

## Geothermal Program Project Locations in California



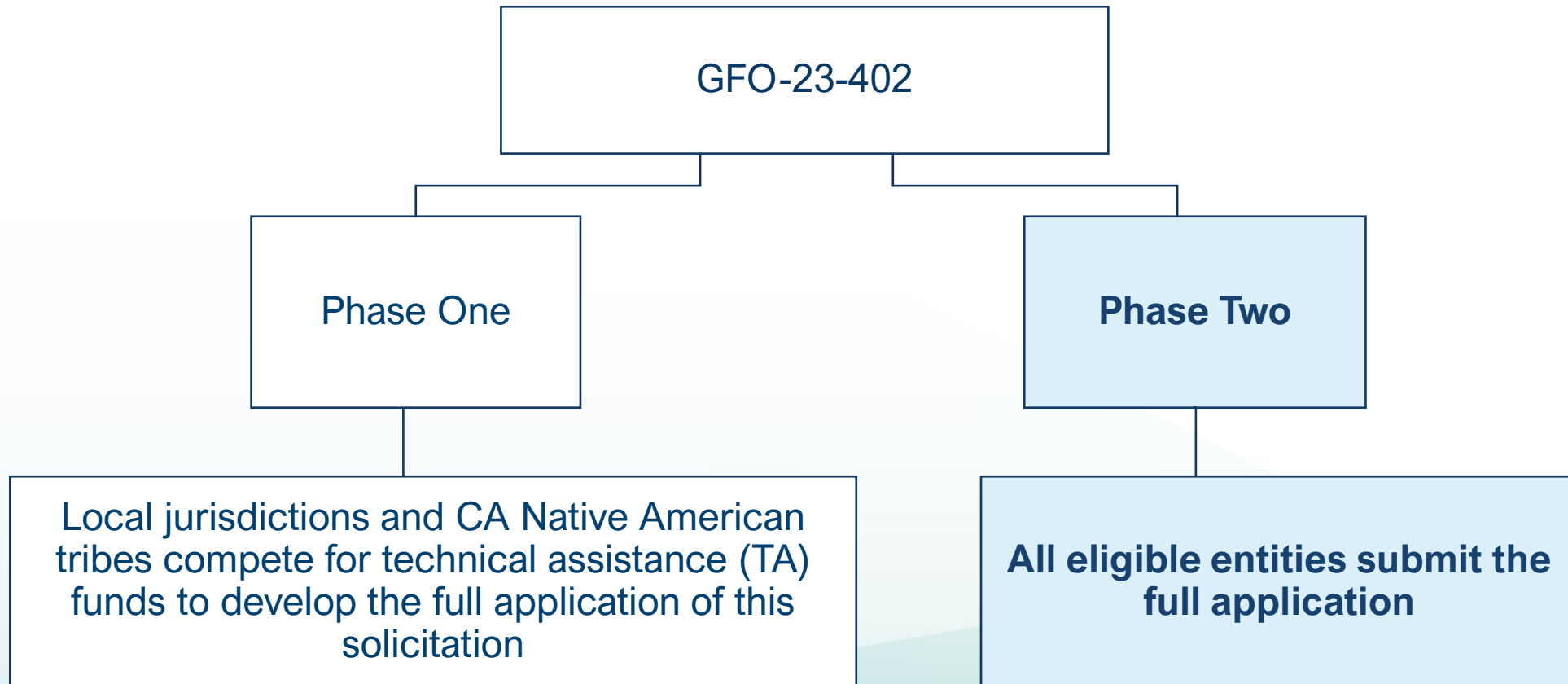
Source: CEC staff and 2022 CEC IEPR Report





# I.A Purpose of Solicitation

- Fund projects focused on geothermal energy and lithium recovery from geothermal brine
- Support local jurisdictions, CA Native American tribes, and private entities in California





# I.C. Project Focus



(a) Research and development projects

(b) Planning and policy development

(c) Preparation of ordinance, regulation and guidelines for identified mitigation measures of adverse impacts

(g) Monitoring and inspection for compliance

(h) Identification, research, and implementation of mitigation measures of adverse social and economic impacts

(i) Planning, construction, operation and maintenance of public services and facilities

(k) Enhancement, restoration, or preservation of natural resources

(l) Recovery of lithium, minerals, metals from geothermal brine

Subject to Feasibility Study (III.D. Phase Two – Full Application Content, Attachment (Att.) 12)  
Examples of previously funded [geothermal reports](#)



# I.D. Funding

Phase	Available funding	Minimum award amount	Maximum award amount	Minimum match funding (% of Funds Requested)
<b>Phase Two: Full Applications</b>  <b>Open to Local Jurisdictions, CA Native American tribes, and Private Entities</b>	\$5,790,000	\$250,000	\$1,500,000	0% for local jurisdictions and CA Native American tribes  100% for private entities



# I.E. Key Activities

**\* Anticipated Dates, Subject To Change**

ACTIVITIES	DATE	TIME
Distribution of Q&A Document	*Week of November 11, 2024	
<b>Deadline to Submit Phase Two - Full Applications</b>	<b>January 27, 2025</b>	<b>11:59 p.m.</b>
Notice of Proposed Award (NOPA) Posting Date	*Week of March 17, 2025	
Energy Commission Business Meeting Date	*June 11, 2025	
Agreement Start Date	*August 11, 2025	
Agreement End Date	*August 14, 2028	



# I.G. Questions

## Submission of Full Applications

Due January 27, 2025, by 5:00 p.m.

### Submit Questions to:

Solicitation Administrative Officer

Crystal Willis

California Energy Commission

715 P, MS-18

Sacramento, California, 95814

Telephone: (916) 529-1108

E-mail: [crystal.willis@energy.ca.gov](mailto:crystal.willis@energy.ca.gov)

All communication should be directed in writing to the assigned solicitation administrative officer  
Expected Distribution of Q&A Document with Staff responses – Week of November 11, 2024





# I.H. Applicant's Admonishment (Important Disclaimers)

Applicants are responsible for the cost of developing a full application.

Documents will become public upon request after the posting of NOPA.

If an agreement is not being successfully executed, the CEC may cancel a proposed award and award funds to the next highest scoring applicant.



# I.J. Match Funding

Match funds must be spent only during the agreement term

## Full Applications

Local Jurisdictions and CA Native American tribes

- **Not Required**

Private Entities

- **Required 100% match**

## Types of Match Funds:

“Cash”

“In-Kind”

If providing match funds, then applicant must submit commitment letters (Att. 9) that:

Confirms the source(s) of the match funds and justifies the amount claimed

Guarantees the availability of the funds for the project

Describes a strategy for replacing the funds if they are reduced or lost



# Section II - GFO-23-402

## Applicant Eligibility Requirements



# II.A. Eligible Applicants

## Local Jurisdiction (PRC 3807)

- Any unit of California Native American Tribes (Tribe)
- Any city, county, or district, including, but not limited to, regional planning agencies and public utility districts
- **Must submit a resolution form (Att. 11)**

“Public utility district” does not include any public utility district which generates for sale more than 50 megawatts of gross electricity.

## Private Entities (PRC 3809):

- Any individual or organization engaged in exploration and development of geothermal energy for profit
- **Must provide tangible benefits to a local jurisdiction (Att. 3)**
- **Must be approved by the City, County or CA Native American tribe where project is to be located (Att. 9)**

Federal agencies and labs, state universities, and state agencies:

- not eligible to apply for funding as applicant;
- may be eligible as a project partner or subcontractor.



## II.B. Terms and Conditions (T&C)

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### Agreement with the CEC:

- Applicants are responsible to read standard T&C before signing the application form (Att. 1)

For more information, visit [Funding Resources \(ca.gov\)](https://www.energy.ca.gov/funding)





# II.C. California Secretary of State Registration

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All corporations that conduct intrastate business in California are required to be registered and in good standing with the California Secretary of State prior to its project being recommended for approval at a CEC Business Meeting.

Sole proprietors using a fictitious business name must be registered with the appropriate county and provide evidence of registration to the CEC prior to their project being recommended for approval at a CEC Business Meeting.

For more information, contact the [Secretary of State's Office](#)



# **Section III - GFO-23-402**

Application Organization and Submission



# III.A. & III.D Application Format and Content

Attachments	Description	Max Page Limit	File Format
Application Form (1)	Basic information of applicant and project	No page limit	.docx., .pdf
Executive Summary (2)	Proposal description including goals and objectives	2 pages	.docx., .pdf
Project Narrative (3)	Detailed description of project	20 pages excluding CEQA	.docx., .pdf
Team Form (4)	Resumes	2 pages each	.docx., .pdf
Scope of Work (5)	Identifies tasks to complete project	30 pages	.docx., .pdf
Project Schedule (6)	Key dates for tasks of the project	4 pages	.xlsx
Budget Form (7)	Labor costs, indirect costs, etc. of project	No page limit	.xlsx
CEQA/Environmental Compliance Form (8)	Evaluation of proposed activities under CEQA	No page limit	.docx., .pdf
Commitment and Support Letter Form (9)	Support letter: support from project location Commitment letter: match funds commitment	2 pages excluding the cover page	.docx., .pdf
Application Declaration (10)	Proof of not a delinquent or being sued	1 page	.docx., .pdf
Local Jurisdiction Resolution (11)	Require a resolution from the local jurisdiction's governing body	1 page	.docx., .pdf
Feasibility Study (12)	Project focused on resource development, directly resulting in revenue or energy savings	20 pages	.docx., .pdf
Contacts (13)	Authorized representatives for the State and the applicant	No page limit	.docx., .pdf



## III.B. Method for Delivery of Applications

Submit applications using the CEC [Grant Solicitation System](#) (GSS)

[How to Apply](#) using GSS

NO EXCEPTIONS will be entertained.

Deadline: January 27, 2025



# **Section IV - GFO-23-402**

Evaluation and Award Process





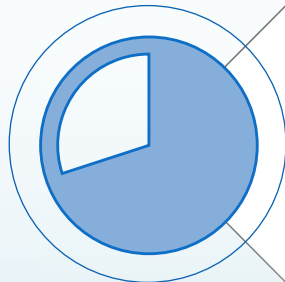
# IV.A. Application Evaluation



Screening and Scoring by Evaluation Committee



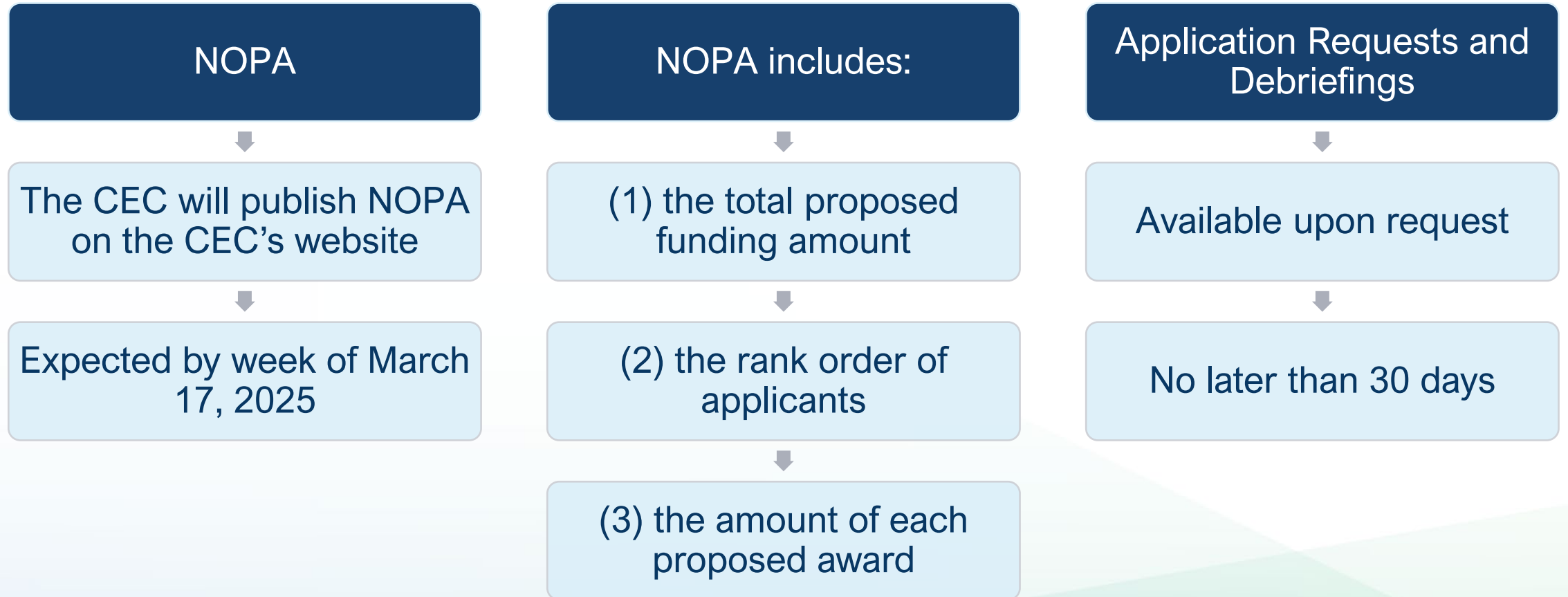
Applications that fail any of the screening criteria will be rejected.



Minimum score of 70% is required to be eligible for funding.



# IV.B. Notice of Proposed Award (NOPA)





## IV.B. Agreement Development





## IV.C. Grounds to Reject an Application or Cancel an Award



Applications that do not pass the screening stage will be rejected

The CEC reserves the right to reject an application and/or to cancel an award



## IV.D. Miscellaneous

In this section you will find information about

Solicitation Cancellation and Amendment

Modification or Withdrawal of Application

Confidentiality

Solicitation Errors

Immaterial Defect

Disposition of Applicant's Documents

Tiebreakers

Clarification Interviews

Opportunity to Cure Administrative Errors

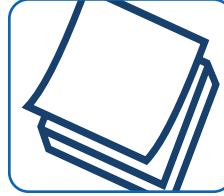




## IV.G. Full Application – Screening



The application is submitted to GSS by the deadline



If the applicant has submitted more than one application, each application is for a distinct project



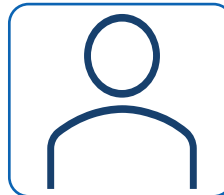
The requested funding falls within the minimum and maximum range



Private entities: includes Commitment Letters that total the minimum of 100% in match share (Att. 9)



The application does not contain any confidential information or identify any portion of the application as confidential.



The applicant is an eligible applicant



The applicant accepted the terms and conditions (Att. 1)



The project is an eligible project



## IV. H. Full Application – Scoring (Att. 3 – Project Narrative)

20 pts.	Demonstrated Need or Value of the Project
15 pts.	Proven Extent of the Resource
15 pts.	Contribution to Development of California’s Geothermal Energy and Lithium Recovery from Geothermal Brine
15 pts.	Likelihood of Success
10 pts.	Public Involvement
10 pts.	Payback and Cost Effectiveness
10 pts.	Economic and Employment Benefit
5 pts.	Match Funds
Total 100 pts.	Must have a minimum score 70% for <b>each</b> scoring criteria, excluding match funds



# Conclusion



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# Geothermal Grant and Loan Program Webpage

[Geothermal Grant and Loan Program](#)



## Geothermal Grant and Loan Program

The California Energy Commission's Geothermal Grant and Loan Program promotes and maintains the development of California's geothermal resources, extraction of minerals from geothermal brines, and related activities to support the State's energy and climate goals by offering grant opportunities and other resources to participating parties.

Collapse All

### Background



### How Do I Get Involved?



### Funding Opportunities



- Geothermal Grant and Loan Program Solicitation
- Solicitations

### TERMS AND CONDITIONS

- Standard Terms and Conditions
- Special Terms and Conditions for Tribes

### Tools and Resources



- Geothermal Grant and Loan Program Frequently Asked Questions
- Geothermal Grant and Loan Program: Frequently Asked Questions about Lithium Recovery from Geothermal Brine in California
- Known Geothermal Resource Areas Map [↗](#)
- List of geothermal projects and reports

### GEOTHERMAL GRANT AND LOAN PROGRAM

Geothermal Grant and Loan Program Workshops

Geothermal Resources Development Account (GRDA) Law and Regulations

### CONTACT

Geothermal  
[geothermal@energy.ca.gov](mailto:geothermal@energy.ca.gov) [✉](#)

### PROCEEDING INFORMATION

Docket Log (17-GRDA-01) [↗](#)

Submit Comments (17-GRDA-01) [↗](#)

### RELATED LINKS

Geothermal Resources, Department of Conservation [↗](#)

Renewable Energy Markets and Resources

Geothermal Technologies Office, Department of Energy [↗](#)



# Questions and Answer Period

For Phone Participation: (888) 475-4499 Enter Webinar ID: 831 8834 9791



3 minutes per person  
1 representative per organization



By computer: use “raise hand” feature



State your name and affiliation



Write Questions and  
Comments in “Q&A” feature



Option to remain anonymous



By telephone: dial \*9 to “raise hand” and \*6 to mute or unmute



Will be on mute until hosts call on you and open your line



In person: proceed to the podium



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# Thank You!

Solicitation Administrative Officer: [crystal.willis@energy.ca.gov](mailto:crystal.willis@energy.ca.gov)

Subscription Topic: Geothermal

[GFO-23-402](#)