

DOCKETED

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GeoRePORT Infographic

GeoRePORT was developed for the Department of Energy's Geothermal Technologies Office, but CEC may find the protocol helpful, as well. More information is available at: <http://en.openei.org/wiki/GeoRePORT>

See also: TN #:217028

[http://docketpublic.energy.ca.gov/PublicDocuments/17-GRDA-](http://docketpublic.energy.ca.gov/PublicDocuments/17-GRDA-01/TN217028_20170413T234221_Katherine_R_Young_Comments_GeoRePORT_Fact_Sheet.pdf)

[01/TN217028_20170413T234221_Katherine_R_Young_Comments_GeoRePORT_Fact_Sheet.pdf](http://docketpublic.energy.ca.gov/PublicDocuments/17-GRDA-01/TN217028_20170413T234221_Katherine_R_Young_Comments_GeoRePORT_Fact_Sheet.pdf)

Additional submitted attachment is included below.

GeoRePORT

Geothermal Resource Portfolio Optimization & Reporting Technique



A Barrier to Development

Experts in their fields produce large amounts of complex data.



Volumes of scientific data can be incomprehensible and overwhelming for decision makers.

The Solution

Data is translated by experts to a common language which both experts and non-experts alike can use to communicate effectively.



The GeoRePORT System

1 Expert assigns grades to his/her data

GeoRePORT provides a method for experts in their field to translate to a common scale the suitability of their data for geothermal applications.



Character grade describes the resource
Weight x Character
Activity index describes the confidence in the character grade
Execution describes the quality of execution

Reservoir Management	Type	Weight	Character	Weight Product	Activity	Execution
1. System Permeability		3	A	15	B	B
2. Storativity		3	A	9	C	C
3. Calcite		1	A	5	A	A
4. Supplemental Injectant Cost		2	B	8	B	A
5. Coldwater Breakthrough		2	C	6	C	C

3 GeoRePORT is compiled

Collected reports can be combined into a complete GeoRePORT, which helps everyone to speak the same language and allows non-experts to understand the suitability of the data.

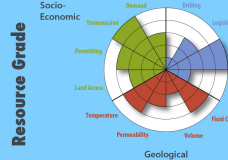


2 Grades from many experts are assembled

Grading from many different experts on a huge variety of data can be collected and assembled, and individual reports can be added, removed or updated as needed.

4 Reporting

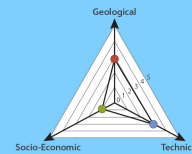
GeoRePORT is used to report the combined grades from many different experts, and is also used to report and track project progress.



How good is our resource?

The resource grade is an assessment of resource quality which allows for an apples-to-apples comparison.

Project Readiness Level



How far along is our project?

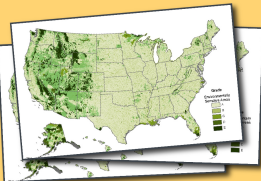
The project readiness level is an assessment of the progress of the major components of a project.

Reporting Data: Two Ways to Do It, Many Ways to Use It

Publicly Available Data

I. The National Level

At the national level, GeoRePORT allows for the creation of baseline maps using publicly available data which can be used by DOE to identify the greatest barriers to geothermal development and to aid in setting quantifiable, measurable program goals.

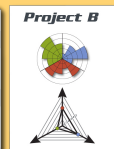
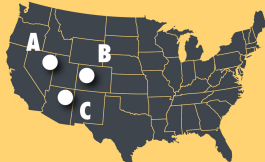


- Identify Major Barriers
- Identify Resource Availability
- Set Baseline Goals
- Measure Impacts

Private Industry Data

II. The Project Level

At the project level, GeoRePORT allows for different projects to be directly compared in terms of resource quality and project readiness. It can also be used to monitor project progress.



- Location Specific
- Highly Detailed
- Track Progress
- Compare Projects