

Task 1.3.9. Stakeholder Engagement Status Update

The Utah FORGE team conducted a vigorous outreach and communication program to ensure that stakeholders are aware of the FORGE project and that any concerns they may have are addressed. We have reviewed the project with the local community, state and federal regulators and landowners. All have been supportive of the project and none has raised any concerns. Below is a full list of stakeholders; between August 1 and May 23, meetings (or email exchanges) were held with many of them, sometimes more than once (shown with asterisk):

Private Power Developers

Cyrq Energy*
PacifiCorp (Blundell geothermal plant)*
SunEdison (solar and wind)*
Blue Mountain Biogas
Rocky Mountain Power*

Property Owners

Murphy Brown LLC*
Utah School and Institutional Trust Land Administration (SITLA)*
Bureau of Land Management*
Unitarian Universalist Service Committee*
Toni and Pat Rule*
Ft. Churchill Corp.*

Federal and State Laboratories

Idaho National Laboratory*
USGS*
UGS*

Universities

University of Utah*
Temple University*

Regulatory Agencies

U.S. Bureau of Land Management*
Utah Department of Environmental Quality*
Utah Underground Injection Control Program (DEQ)*
Utah Division of Water Rights*
State Historic Preservation Office (SHPO)* (contacted during proposal prep.)

Interested Public

City of Milford
Milford High School*
Beaver County Commissioners*
Utah Governor's Office of Energy Development*

Oil and Gas Industry

ENI*

Casa Exploration*

Haliburton*

Schlumberger*

Outreach Activities:

April 27, 2015

A press release was issued by the University of Utah announcing the Phase 1 grant awarded to EGI.

September 2015

Article in September issue of UGS' "Survey Notes" on the FORGE project and the Milford, Utah site selected as one of five possibilities for the field laboratory. Written by Rick Allis.

November 18 – 25, 2015

Project contacts David Cluff, Principal of Milford High School, about setting up a seismometer on the school grounds. A strong-motion instrument will be installed in small out-building on the school property.

December 3, 2015:

Rick Allis and Stuart Simmons conducted a site visit for landowners, regulators and interested stakeholders, including the BLM, Beaver County representative, DEQ, PacifiCorp, Murphy Brown, SITLA and SunEdison. The locations of the deep drill holes, the potential access routes, and the main groundwater collection facility were visited.

December 15, 2015:

Joseph Moore gave an invited presentation at the 6th Annual Program on Energy and Sustainable Development (PESD) convened by the Stanford Precourt Institute for Energy. The theme of the conference was Building Risky Energy. Joseph Moore discussed the role geothermal energy can play in today's energy mix. He discussed challenges facing conventional geothermal development and the potential of EGS. He stressed the importance of the FORGE laboratory where new techniques for EGS development could be developed and tested.

January 15, 2016

Joseph Moore met with D. Hollett, S. Hamm and L. Boyd at DOE headquarters to review our vision of the FORGE project. Meetings were also held with the BLM, who are familiar with the area because of other infrastructure development, and representatives of Senator Hatch and Representative Stewart. The BLM considered potential environmental or archeological risks posed by the project to be low.

January 27, 2016:

Joseph Moore presented an invited talk to a class in NUCLEAR ENGINEERING at the University of Utah. The presentation covered the basics of geothermal energy and the need for EGS development and a national FORGE laboratory, where new technologies can be tested.

February 8, 2016

FORGE Utah website goes live. The website address is <http://www.forgeutah.com/outreach/>

February 2-4, 2016:

STEM Fest (Science-Technology-Engineering-Mathematics) is a unique gathering of Utah educational and business leaders engaged in science and technology. The event offers students in 7th through 10th grades the opportunity to learn exciting and innovative career opportunities in Utah. EGI hosted a booth in conjunction with the Utah Governor's Office of Energy Development that highlighted the Utah FORGE project.

February 9, 2016

Rick Allis presents FORGE summary to Natural Resources Appropriations sub-committee of the Utah Legislature.

February 18, 2016

The University of Utah has signed an MOU with Southwest Petroleum University (SPU) of China to exchange information on EGS development. SPU has been working on an EGS project in granite in Korea. The graduate student working on the project will spend a year at EGI beginning in early summer

February 22 - 25, 2016

Three papers on the Utah FORGE site presented at Stanford Geothermal Workshop.

March 3, 2016

Facebook page published. The Facebook address is <https://www.facebook.com/forgeutah/>

March 4, 2016

Email to David Cluff, Principal, offering a talk to Milford High School about Utah earthquakes and the FORGE project. Offer not followed up.

March, 2016

Utah FORGE Team collaborated with Utah Office of Energy Development on a video about geothermal energy in Utah, including the FORGE project: https://www.youtube.com/watch?v=4-6UgHq_Xe4

March 23, 2016

Joseph Moore presented an invited talk to a class in Sustainable Energy (Dept. of Geography at the University of Utah). The presentation covered the basics of geothermal energy and the need for EGS development and a national FORGE laboratory, where new technologies can be tested

March 30, 2016

Rick Allis met with Utah Division of Wildlife to discuss biological clearances at FORGE site.

April 4, 2016

Joseph Moore and Rick Allis give presentation concerning the status of the FORGE project to Utah School and Institutional Trust Lands Administration.

April 19, 2016

Representatives of the BLM and Paiute Indian Tribe of Utah met to discuss the FORGE project. The tribe had no objections to the project moving forward. They only requested to be kept informed of changes or updates.

May 6, 2016

Manuscript on the revised thermal regime of the Milford FORGE site submitted to Geothermal Resources Council for their October 2016 meeting in Sacramento, California.

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