



GEOLOGY AND MINERAL INDUSTRIES DEPARTMENT

CUMULATIVE OVERALL FINANCIAL STATUS TO DATE

AWARD NUMBER	PROGRAM	TYPE	POTENTIAL FUNDS	FUNDS APPLIED FOR	FUNDS AWARDED	FUNDS COMMITTED	FUNDS RECEIVED	FUNDS EXPENDED
G10AC00017	Cascade Range Lidar Acquisition	C			931,000	738,824	190,558	195,527
G10AC00029	Mt Hood Drainages Assessments	C			180,000	97,530	81,378	97,530

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES - G10AC00017, CASCADE RANGE LIDAR ACQUISITION

- USGS Volcano Hazards Program ARRA Grant Program Announcement issued August 13, 2009. Improvement of the Volcano and Other Monitoring Systems and Other Monitoring-related Activities under the American Recovery and Reinvestment Act No. 09HQPA0022. We will be submitting a grant proposal for this activity. Proposal due September 14, 2009.
- **September 11, 2009:** Two grant proposals submitted to USGS Volcano and Other Monitoring Systems and Other Monitoring-related Activities under the American Recovery and Reinvestment Act No. 09HQPA0022. One to conduct lidar surveys of active High Cascade Volcanoes and one to develop process of volcano hazard risk assessment from High Cascade Volcanoes.
- **October 13, 2009:** Received two award letters for grants submitted to Improvement of the USGS Volcano and Other Monitoring Systems and Other Monitoring-related Activities under the American Recovery and Reinvestment Act No. 09HQPA0022.
- **October 23, 2009:** Submitted revised work plans and budgets for USGS Volcano and Other Monitoring Systems and Other Monitoring-related Activities under the American Recovery and Reinvestment Act No. 09HQPA0022 grant awards.
- **November 20, 2009:** Cooperative Agreements finalized and signed by DOGAMI and USGS to implement two tasks under the Improvement of the Volcano and Other Monitoring Systems and Other Monitoring-related Activities under the American Recovery and Reinvestment Act No. 09HQPA0022. Task 1: Cascade Range Lidar Acquisition and Task 2: Multi-Hazard Risks and Vulnerability Assessments at Selected Drainages Around Mt. Hood.
- **December 2, 2009:** Award Number G10AC00017, Cascade Range Lidar Acquisition, and Award Number G10AC00029, Mt Hood Drainages Risk Assessments, contracts activated.
- **December 18, 2009:** Ordered lidar data collection from vendor (Watershed Sciences, Inc) for Award Number G10AC00017, Cascade Range Lidar Acquisition project areas. Committed \$738,824 for data collection.
- **June 14, 2010:** Vendor reports that approximately one-third of the Newberry Volcano lidar data collection has occurred.
- **July 12, 2010:** Vendor reports that approximately two-thirds of the Newberry Volcano lidar data collection has occurred and data collection has commenced at Mt. Shasta.
- **July 30, 2010:** Vendor reports that 78% of Newberry Volcano lidar data collection has occurred and 54% of Mt. Shasta lidar data collection has occurred. We anticipate receiving initial processed data from Newberry Volcano in late July to begin QA process.
- **August 19, 2010:** Vendor reports that 100% of Newberry Volcano lidar data collects, 70% of Mt. Shasta, and 21% of Glacier Peak.



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- **August 27, 2010:** Data collection continues at Crater Lake, Mt. Shasta, and Glacier Peak. Vendor has delivered 10% of Newberry Volcano AOI processed data to date.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES - AND G10AC00029, MT HOOD DRAINAGES RISK ASSESSMENTS

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- **December 2, 2009:** Award Number G10AC00017, Cascade Range Lidar Acquisition, and Award Number G10AC00029, Mt Hood Drainages Risk Assessments, contracts activated.
- **March 16, 2010:** The Multi-Hazard Risk Project for Mt Hood Communities online poll opened for survey responses from Multnomah, Clackamas, and Hood River counties. Poll will close in early April.
- **April 9, 2010:** Online survey closed April 2nd with 42% return from those polled. Workshops are being arranged in Troutdale, Sandy, and Hood River in May.
- **May 3, 2010:** Workshop held in Hood River, Oregon.
- **May 10, 2010:** Workshop held in Troutdale, Oregon.
- **May 12, 2010:** Workshop held in Sandy, Oregon.
- **August 27, 2010:** Data generation continuing; draft debris flow/avalanche map and recent volcanic event geologic map complete & under review. Building & inventory asset data collection are nearing completion.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES - ARRA US DoE NUMBER: DE-FOA-0000109 TOPIC AREA 3: GEOTHERMAL DATA DEVELOPMENT, COLLECTION, AND MAINTENANCE.



GEOLOGY AND MINERAL INDUSTRIES DEPARTMENT (CONTINUED)

- Association of American State Geologists will be applying for ARRA US DoE NUMBER: DE-FOA-0000109 TOPIC AREA 3: GEOTHERMAL DATA DEVELOPMENT, COLLECTION, AND MAINTENANCE. DOGAMI will be submitting a sub-proposal for geothermal data compilation for the state of Oregon. The proposal is due to DoE by July 22, 2009.
- **July 17, 2009:** We have submitted the draft Statement of Work for the DOGAMI sub-proposal to the GEOTHERMAL DATA DEVELOPMENT, COLLECTION, AND MAINTENANCE Program.
- **July 17, 2009:** We have submitted a letter of commitment to participate in the above grant proposal.
- **July 17, 2009:** We have submitted support letters for 2 grant proposals to ARRA US DoE NUMBER: DE-FOA-0000109 TOPIC AREA 1: VALIDATION OF INNOVATIVE EXPLORATION TECHNOLOGIES for geothermal exploration at Glass Buttes Oregon and Neal Hot Spring Oregon.
- **November 30, 2009:** US DoE Geothermal Technologies Program announces awards for ARRA US DoE NUMBER: DE-FOA-0000109. TOPIC AREA 3: GEOTHERMAL DATA DEVELOPMENT, COLLECTION, AND MAINTENANCE of which DOGAMI submitted a sub-proposal for geothermal data compilation for the state of Oregon is one of the awardees.
- **November 30, 2009:** US DoE Geothermal Technologies Program announces awards for ARRA US DoE NUMBER: DE-FOA-0000109. TOPIC AREA 1: VALIDATION OF INNOVATIVE EXPLORATION TECHNOLOGIES of which DOGAMI is a co-principal investigator on Merging High Resolution Geophysical and Geochemical Surveys to Reduce Exploration Risk at Glass Buttes, Oregon.
- **December 18, 2009:** Submitted revised budget (\$432,042) to Arizona Geological Survey as sub-recipient for Geothermal Data Development grant:TOPIC AREA 3.
- **February 11, 2010:** Attended a kick-off meeting with ORMAT Corp. to discuss their ARRA funded geothermal projects in central Oregon, Midnight Point and Mahogany at Glass Buttes – TOPIC AREA 1.
- **February 19, 2010:** ORMAT Corp. sent outline of area at Midnight Point and Mahogany geothermal exploration locations for lidar data collection in advance of receipt of US DoE ARRA funds. TOPIC AREA 1.
- **March 23, 2010:** Gave a presentation to Oregon Geothermal Working Group on Oregon's participation in the US DoE ARRA funded Geothermal Data Development, Collection, and Maintenance in Portland, OR. US DoE in attendance.
- **April 2, 2010:** Draft Statement of Project Objectives distributed to USDoE Geothermal Technologies Program and all state sub-recipients. AZ Geological Survey and USDoE finalizing the members of Management, Technology, and Science Advisory Boards.
- **May 3, 2010:** DOGAMI withdrawals from participation in ORMAT Corp. US DoE Geothermal Technologies Program project: "Merging High Resolution Geophysical and Geochemical Surveys to Reduce Exploration Risk at Glass Buttes, Oregon"
- **May 4, 2010:** US DoE Geothermal Technologies Program Grant - "State Geological Survey Contributions to the National Geothermal Data System" formally awarded to Arizona Geological Survey.
- **May 17-18, 2010:** DOGAMI staff attended the US DoE Geothermal Technologies Program ARRA Grants kick-off for project overview and milestones, Arlington, VA.
- **Jun 17, 2010:** DOGAMI staff continue working on developing the Statement of Work for the contract.
- **July 2, 2010:** Contract and Statement of Work submitted to Arizona Geological Survey for review.



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- **July 2, 2010:** US DoE Geothermal Technologies Program announces that an additional \$4,058,277 is available to the project, primarily for expanding Task 2.4 of the projects objectives, Collection of New Data.
- **July 16, 2010:** Signed the Intergovernmental Agreement with Arizona Geological Survey and submitted YR 1 Statement of Work for review by Science Advisory Committee. DOGAMI becomes a vendor on the project and we process our expenses as Other Funds.
- **August 10, 2010:** Science Advisory Board returns reviewed DOGAMI Statement of Work for YR1 with minor revisions.
- **August 19, 2010:** We resubmit revised Statement of Work for YR1 to Arizona Geological Survey.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES

- **July 17, 2009 :** DOGAMI submitted a letter of support of Pacific Northwest Seismic Network's ARRA grant proposal to USGS Earthquake Hazards.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES - US DOE FUNDING OPPORTUNITY: DE-FOA-0000091, ENHANCING STATE GOVERNMENT ENERGY ASSURANCE CAPABILITIES AND PLANNING FOR SMART GRID RESILIENCY

- **August 21, 2009:** In discussion with ODoE and PUC to submit a grant proposal to US DoE Funding Opportunity: DE-FOA-0000091, Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency.
- **September 4, 2009:** ODoE submitted grant proposal to US DoE Funding Opportunity: DE-FOA-0000091, Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency. DOGAMI staff is co-Principal Investigator with PUC staff.
- **September 15, 2009:** The Enhancing State Government Energy Assurance grant was awarded to ODoE, Award Number DE-OE0000124. We are working with PUC and ODoE to describe deliverables, milestones, and budget.
- **October 16, 2009:** DOGAMI management and staff met with ODoE Energy Assurance Team to discuss project management, deliverables, and set priorities for revising sub-recipients budgets.
- **November 6, 2009:** Finalizing the IGA and appendix A.: work plan, timeline, and project deliverables for DOGAMI sub-recipient project for ODoE Energy Assurance project.
- **November 20, 2009:** ODoE Energy Assurance Project Management Plan and Workforce Development Plan have been submitted to and approved by US DoE – first Milestone.
- **January 22, 2010:** W & M Committee approved PUC application to participate in ODoE Energy Assurance Project – negotiations on PUC/DOGAMI contract continue.
- **February 12, 2010:** Intergovernmental Agreement signed with OR PUC for DOGAMI's work toward the ODoE Energy Assurance Project, Award Number DE-OE0000124.
- **March 18, 2010:** Funds expended for to date for project - \$12,061
- **March 23, 2010:** Submitted quarterly tasks and deliverables report to PUC.



GEOLOGY AND MINERAL INDUSTRIES DEPARTMENT (CONTINUED)

- **July 15, 2010:** Submitted quarterly tasks and deliverables report to PUC.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES -

- **October 27, 2009:** USGS National Geospatial Program ARRA Grant Program Announcement issued. The National Map: Imagery and Elevation Maps under ARRA No. 10HQPA0014. Proposals due December 1, 2009.
- **December 1, 2009:** Submitted proposal for five lidar data collection areas to USGS National Geospatial Program ARRA Grant Program Announcement issued October 27, 2009. The National Map: Imagery and Elevation Maps under ARRA No. 10HQPA0014.
- **February 12, 2010:** USGS Geography Program rejected our grant applications for The National Map: Imagery and Elevation Maps under ARRA No. 10HQPA0014.

ACTIONS TAKEN, MAJOR PROJECT UPDATES, AND OTHER MILESTONES -

- **January 5, 2010:** Submitted quarterly ORSTATS reports. Reviewed and corrected submissions week of January 11, 2010.
- **April 6, 2010:** Submitted quarterly ORSTAT reports. Reviewed submissions week of April 19, 2010 – no corrections.
- **July 6, 2010:** Submitted quarterly ORSTAT reports. One correction requested by USGS.

UPCOMING PLANNED ACTIONS, MAJOR PROJECTS, DEADLINES, AND GRANT OPPORTUNITIES

- **July 13, 2010:** Awaiting announcement of grant criteria for US DoE Geothermal Technologies Program Geothermal Database additional \$4,058,277 available for expanding Task 2.4 of the projects objectives, Collection of New Data.
- **August 19, 2010:** Preparing grant proposals for Collection of New Data grant – submission deadline is October 1, 2010.

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