

GOVERNING BOARD SPECIAL MEETING
OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

August 1, 2016

9:00 a.m.

Portland State Office Building
Suite 965

Public Meeting Agenda

The Board makes every attempt to hold strictly to the sequence of the distributed agenda. Times and topics may change up to the last minute, but the times for public comment will be available as indicated below. This agenda is available on the DOGAMI website: www.oregongeology.org.

9:00 a.m. Item 1: Call to Order – Chair Lisa Phipps

9:05 a.m. Item 2: Introductions – Chair Lisa Phipps and staff

9:10 a.m. Item 3: Overview of Agency’s Request Budget

Board Action: The Board will be asked to take an action on this item

9:50 a.m. Item 4: Public Comment

Three minutes limit per person unless otherwise specified at the meeting by the Chair

10:00 a.m. Item 5: Board Adjourn

PLEASE NOTE

AGENDA

The Board meeting will begin at 9:00 a.m., and proceed chronologically through the agenda.

PUBLIC TESTIMONY

If you wish to give testimony on any item scheduled on this agenda, please sign up on the sheets provided on the day of the meeting and you will be called to testify by the Board Chair. The Board places great value on information received from the public. Persons desiring to testify or otherwise present information to the Board are encouraged to:

1. Provide written summaries of information to the Board (6 sets);
2. Limit testimony to 3 minutes, recognizing that substance, not length, determines the value of testimony or written information;
3. Endorse rather than repeat testimony of other witnesses; and
4. Designate one spokesperson whenever possible when groups or organizations wish to testify.

THANK YOU FOR TAKING TIME TO PRESENT YOUR VIEWS

If you bring written materials to the meeting, please provide six (6) copies. If you have questions regarding this agenda, please contact Ali Ryan Hansen at (971) 673-0628 or you may email her at ali.hansen@state.or.us

REASONABLE ACCOMMODATION OF DISABILITIES

Reasonable accommodation, such as assisted hearing devices, sign language interpreters, and materials in large print or audiotape, will be provided as requested. In order to ensure availability, please contact the Director's Office at (971) 673-1555 at least 72 hours prior to the meeting to make your request.

Staff Report and Memorandum

To: Chair, Vice Chair, and members of the DOGAMI Governing Board

From: Holly Mercer, Assistant Director

Date: July 27, 2016

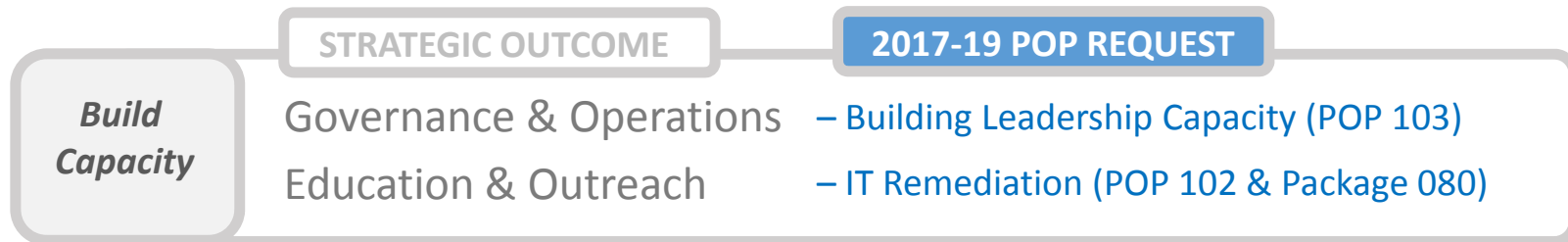
Regarding: Agenda Item 3 – Overview of Agency’s Request Budget

Provide overview of Agency’s Request Budget.

Proposed Board Action: The DOGAMI Governing Board authorizes Chair Phipps to sign and certify the DOGAMI 2017-2019 Agency Request Budget on behalf of the Governing Board.

DOGAMI 2017-19 POP Requests Support Strategic Framework Outcomes

Strengthen the foundation to...



so that we can...



Measured by new KPMs

so that we can achieve:

MISSION OUTCOME: *DOGAMI provides earth science information & regulation to make Oregon safe and prosperous.*

BUDGET NARRATIVE

Package 080 – May 2016 E-board

This package is the 2017-19 continuation of the May 2016 E-board approved IT funding for the Information Systems Specialist-5, Services and Supplies Capital Outlay costs. Revenue Source is 100% GF: \$1,209,618.

Agency Request

Governor's Balanced

Legislatively Adopted

Budget Page 81

BUDGET NARRATIVE

Package 101 – LD Positions for Hazards/LIDAR

Purpose

The purpose of this package is to continue Oregon natural hazard and risk studies and collection of lidar data by retaining capacity to complete existing and future contracted work.

How Achieved

Maintain capacity and continuity for ongoing and new contracts by reauthorizing limited duration staff. The GS&S program receives significant Federal and Other Funds to complete natural hazard and risk projects and to collect lidar data, but lack of permanent staff to complete the contracted work jeopardizes these funding opportunities, as well as the Agency’s relationship with partners should DOGAMI default on contracts. These limited duration positions allow the Agency to maintain its capacity to complete current projects and take on new projects, and to retain existing highly trained technical staff. These limited duration positions have been requested for multiple consecutive biennia.

Staffing Impact

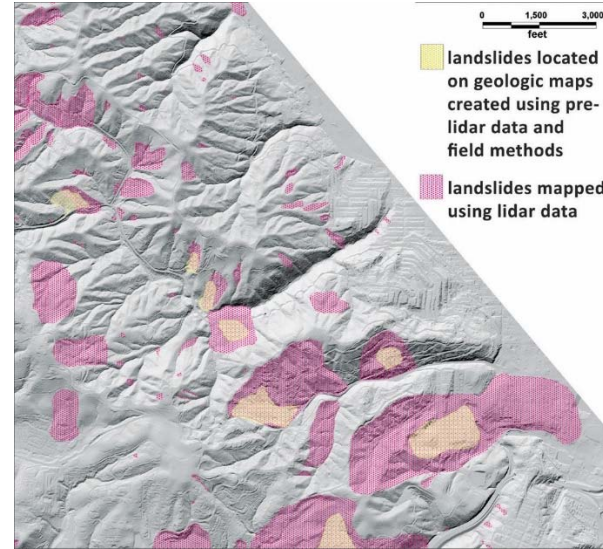
This package will fund:
2.0 FTE limited duration Natural Resource Specialist-2
2.0 FTE limited duration Natural Resource Specialist-3
1.0 FTE limited duration Geologist-2

Quantifying Results

Natural hazard studies and lidar collection are tied directly to proposed new Key Performance Measures. The positions in this package are critical to meeting KPM targets; without these positions the Agency will not achieve proposed new KPM #2 – Lidar Data Completion and new KPM #1 – Hazard and Risk Assessment Completion.

Revenue Source

General Fund	\$138,228
<u>Federal Funds</u>	<u>\$797,209</u>
Total Request	\$935,437



All DOGAMI geologic and hazards mapping, such as this landslide inventory map of the Portland Hills uses high-resolution lidar-derived topographic data as a base map. Mapping on a lidar base allows for much greater precision than traditional base maps can.

BUDGET NARRATIVE

Package 102 – IT Remediation Plan

Purpose

The purpose of this package is to further implement the DOGAMI Information Technology Remediation Plan in order to ensure sustainable information technology operations and increase access to information by updating the Agency’s website.

How Achieved

Authorizing permanent Information Technology staff to create the capacity for, and ensure the continuity of, Information Technology operations. The Agency’s mission is information-centric: The Geologic Survey & Services program creates, collects, analyzes, stores and distributes significant amounts of data; the Mineral Land Reclamation & Regulation Program oversees state’s mineral production, and associated records and data are needed to operate a field-based regulatory program. The position funded by this package will provide technical expertise in planning, designing, implementing and maintaining the IT infrastructure, information systems, and information management tools used by the department to effectively carry out its mission and goals.

Improving the Agency website to increase access to and use of information. Updates will make finding information easier, which helps ensure that the Agency’s natural hazard and resource science, educational materials, and historic holdings are widely used. The new website will also meet State of Oregon design standards, including being adaptable for mobile and non-desktop browsers.

Exploring development of a modern, paperless permitting and inspection system that would improve Mineral Land Regulation & Reclamation Program service delivery. This package will support building a business case, conducting product research and engaging in the Office of the State Chief Information Officer Stage Gate process.

Staffing Impact

This package will fund:
0.90 FTE permanent Information Systems Specialist-8 position.

Quantifying Results

Progress will be evaluated against the DOGAMI Information Technology Remediation Plan. Stable, current and secure IT resources are essential to meeting all new and continuing Key Performance Measures as well.

Revenue Source

General Fund \$325,228

BUDGET NARRATIVE

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How Achieved

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Staffing Impact

This package will fund:
0.10 FTE permanent Information Systems Specialist-8 position.

Quantifying Results

Progress will be evaluated against the DOGAMI Information Technology Remediation Plan. Stable, current and secure IT resources are essential to meet all new and continuing Agency Key Performance Measures as well.

Revenue Source

Other Funds \$27,249

BUDGET NARRATIVE

Package 103 – DOGAMI Building Leadership Capacity

Purpose

The purpose of this package is to increase the Agency’s operational efficiency, oversight of operations, and leadership capacity through organizational changes.

How Achieved

Developing a new supervisory structure to increase project tracking and oversight, and build leadership capacity. The Agency’s current organizational structure does not adequately support the complex, variable mix of GS&S program funding sources and project types. A strong organizational foundation is essential to ensuring progress made in 2015-2017 to improve business practices and financial oversight will succeed and continue. The current organizational structure relies on an Assistant Director to oversee both administrative and technical staff, resulting in decreased technical oversight, supervisory capacity issues, and limited opportunities for management training and development. The current NRS-5 Chief Scientist position will be reclassified to an MMS series position to oversee technical/operations staff. Two rotational supervisory positions will be established under the Chief Scientist to manage day-to-day supervisory responsibilities. This will provide closer tracking and coordination of projects by technical staff, and will also provide supervisory experience for technical staff through the rotation process.

Appropriately classifying scientific and technical positions in order to recruit and retain staff. Scientific and technical GIS analysts are currently classified as Information Systems Specialist positions, an information technology classification that does not align with their work on natural resource and hazard issues. ISS-3 and ISS-6 staff will be reclassified to NRS-2 and NRS-4 positions respectively, aligning their classifications with their work.

Adding expertise to increase oversight of and ensure compliance with requirements for procurement, contracts and grants. The Agency has extensive

contract, grant and procurement needs but has no dedicated procurement staff, which leads to delays and errors in procurement and contracting processes. A permanent PCS-1 Procurement and Contract Specialist position will be added.

Staffing Impact

This package will fund:

1.0 FTE permanent Procurement and Contract Specialist-1

Reclassification of -

2.0 FTE permanent Information Systems Specialist-3 to Natural Resource Specialist-2

2.0 FTE permanent Information Systems Specialist-6 to Natural Resource Specialist-4

1.0 FTE permanent Natural Resource Specialist-5 UA to MMS (Supervisory)

Quantifying Results

This package supports continued improvements to the Agency’s business and organization infrastructure, a need identified in the 2015 Business Practices Review, and progress will be tracked against the action items identified in the Agency’s 2015-17 budget note to improve business practices. Results will also be quantified through GS&S program project metrics – projects delivered on time and on budget, tracking of finances and progress, and documentation of project development.

Revenue Source

General Fund	\$187,172
<u>Federal Fund</u>	<u>\$9,289</u>
Total Request	\$196,461

Agency Request

Governor's Balanced

Legislatively Adopted

Budget Page 84

BUDGET NARRATIVE

Package 104 – Natural Hazards Mapping Program

Purpose

The purpose of this package is to increase Oregon’s understanding of and resilience to natural hazards by developing detailed and accurate hazard and risk studies, collecting essential lidar data, and expanding access to Agency information.

How Achieved

Accelerate development of consistent and complete natural hazard and risk information for Oregon’s communities. DOGAMI has developed practical tools, such as high-resolution maps and assessments, to help communities plan and prepare for natural hazards like earthquake, flood, landslide, tsunami and coastal erosion. The Agency has established a new Key Performance Measure to assess progress toward providing complete hazard and risk assessments for all Oregon cities, which will provide a consistent tool for Statewide Planning Goal 7 for hazard mitigation, and facilitate emergency response and recovery planning. Work has begun using funding from FEMA. However, at the current level of funding, completing these assessments statewide would take as many as ten biennia, and future work may not be funded. The addition of three NRS-2 positions, funded with 50 percent General Fund and 50 percent Federal Funds, will allow the Agency to complete the work within the next 4 biennia. Investing in this work will accelerate application of these tools and provide needed information for all Oregon cities. Supporting the work with state resources may also help leverage additional funding from federal and other partners. Dedicating capacity would allow the Agency to approach potential partners as well.

Collect high-resolution lidar data to support hazard studies, as well as the multiple critical uses of lidar data by state and national partners. High-resolution lidar topographic data is essential to DOGAMI natural hazard and resource studies, and is – as the success of the Oregon Lidar Consortium in developing funding partnerships illustrates – valuable for many state and local agencies as

well. State investment of \$2.7 million in Lottery Funds has been leveraged into \$19.5 million from 70-plus partners since 2007. The U.S. Geological Survey’s 3DEP lidar program is now a primary source of federal funding for lidar collection, and the program requires at least a 25 percent state and local match for future cooperative funding. In 2016, DOGAMI was unable to apply for 3DEP funds for lack of state match. The addition of modest state matching funds to the DOGAMI budget will allow the Agency to continue to compete for federal 3DEP funds. The investment will also allow DOGAMI to actively advance Oregon’s lidar priorities as defined in the State Prioritization Plan approved by the Oregon Geographic Information Council, rather than collecting data in areas defined primarily by funding partner interests.



DOGAMI monitors the effects of coastal erosion using many different techniques, including use of hand-held lidar to measure beach changes.

(Package 104, Natural Hazards Mapping Program, continued on next page)

BUDGET NARRATIVE

(Package 104, Natural Hazards Mapping Program, continued)

Expand and improve access to Agency maps, studies, and data by making the Agency's library collection available online for free download, and updating geologic and hazard databases regularly with current and accurate information.

The DOGAMI library collection contains a wealth of information about Oregon's geology and geologic resources and hazards. The intent of the library, as described in statute, is to make this information freely available to the public. The collection has been in storage for over a decade, but much of the information has been digitized in the last year. Developing metadata to allow the collection to be easily searchable and downloadable will require a staff position with both library and database skills and a deep knowledge of the geoscience topics covered by the collection. Addition of a permanent NRS-4 technical data coordinator position will allow the Agency to make this data readily available to the public through our free online distribution system. The data coordinator will also provide capacity to keep current all of DOGAMI's interactive online databases – critical tools for the public to learn more about hazards, and geologic and mineral resources.

Revenue Sources

General Fund	\$1,483,845
Federal Funds	<u>\$266,704</u>
Total Request	\$1,750,549

Staffing Impact

This package will fund:

- 3.0 FTE limited duration Natural Resource Specialist-2
- 1.0 FTE permanent Natural Resource Specialist-4

Quantifying Results

This policy package is directly tied to proposed new Key Performance Measures. New KPM 1 measures the success of the hazard assessment efforts. New KPM 2 measures the success of the lidar acquisition. New KPM 4 measures the success of expanding and improving access to Agency information.

BUDGET NARRATIVE

Package 105 – Eastern Oregon Structure from Motion

Purpose

The purpose of this package is to launch a pilot project to determine new technology’s potential to quickly and affordably collect improved topographic data for underserved areas of eastern Oregon.

How Achieved

Explore a more cost-effective solution for obtaining topographic data. High-resolution lidar topography exists for much of western Oregon, where DOGAMI has found funding partners. In eastern Oregon, few opportunities exist for partnerships in unforested areas – about 50 percent of the state – but local governments, landowners, and agricultural operations have an unmet need for modern topographic data. Lidar collection would cost tens of millions of dollars, and no sources of funding have been identified to complete this collection. In areas without forest cover, new Structure from Motion (SfM) software can turn existing aerial imagery into topographic data that is a dramatic improvement over exiting data, at less than one tenth the cost of lidar. This will provide land mangers a useful product now, which can be upgraded in the future as lidar funds become available. The technology also allows creation of accurate and detailed imagery from historic data as far back as 1939, providing an important resource for evaluating change over time.

Assess potential of new software in creating data. The agency would identify a pilot area of approximately 1,000 square miles in eastern Oregon, acquire scanned aerial imagery from the U. S. Department of Agriculture and develop workflows to process the images into a seamless topographic model at a resolution near the quality of current lidar projects.

Staffing Impact

This package will fund:
0.25 FTE limited duration Natural Resource Specialist-2

Quantifying Results

DOGAMI will work with partners from the Bureau of Land Management to test the new data for usability in land management, and will include an area with existing lidar data to perform a quantitative test of quality. The Agency will report on the process and workflow to determine accurate unit costs for data production and publish both the products and the report.

Revenue Sources

General Fund \$55,648

BUDGET NARRATIVE

Package 106 – Mineral Study Continuation

Purpose

The purpose of this package is to expand access to mineral resource information by digitizing paper maps, reports and documents and publishing them in modern, easy-to-navigate formats.

How Achieved

Making mineral data accessible to support exploration of mining potential in eastern and southern Oregon. Mining has historically been a major part of Oregon’s economy, and has the potential to contribute significant new employment opportunities in rural southern and eastern Oregon. HB 3089, passed in 2015, directed DOGAMI to assess the mineral resource potential in those regions, and to identify further research that may increase mining employment. DOGAMI holds a large collection of legacy mineral data. Digitizing, geo-referencing, indexing, cross referencing, and publishing this data collection in a modern geospatial database format will provide a major new source of information on Oregon mineral resources, and should encourage renewed mineral exploration in the state. The project is the most cost-effective first step for ongoing efforts to increase mining opportunities and employment.

Staffing Impact

This package will fund:

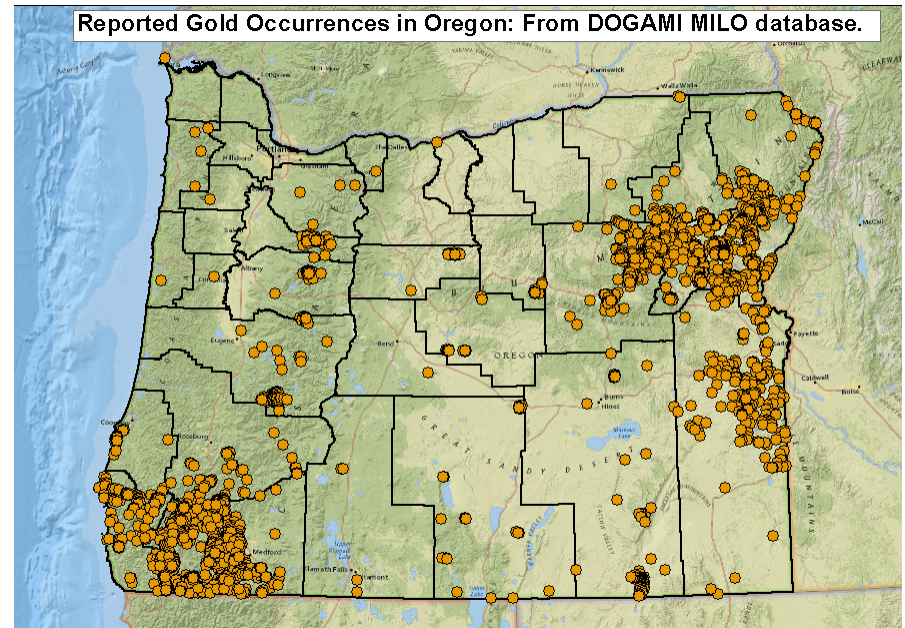
- 1.0 FTE limited duration Natural Resource Specialist-4
- 1.0 FTE limited duration Natural Resource Specialist-2

Quantifying Results

The completed database will be freely available to the public online.

Revenue Sources

General Fund \$394,678



DOGAMI’s Mineral Information Layer for Oregon (MILO) interactive data viewer shows mineral occurrences, prospects, and mines, including reported gold occurrences (www.oregongeology.org/sub/milo). Policy Package 106 would increase the mineral resource data available online.

BUDGET NARRATIVE

Package 107 – Strong Motion Instrument Fund

Purpose

The purpose of this package is to provide spending authority within the non limited fund account for Strong Motion Instrument Funds. These funds are dedicated to installation of seismic instruments and may be used to install new instruments in Oregon.

How Achieved

Providing spending authority to make existing funds available for providing seismic instruments. Oregon building codes require developers to either install seismic monitoring instruments in large new buildings, or pay DOGAMI the cash equivalent to support installation of other monitoring instruments in the state. Funds deposited into the non limited fund account in past years are not currently useable because of a lack of spending authority in the non limited fund account.

Staffing Impact

This package has no staffing impacts.

Quantifying Results

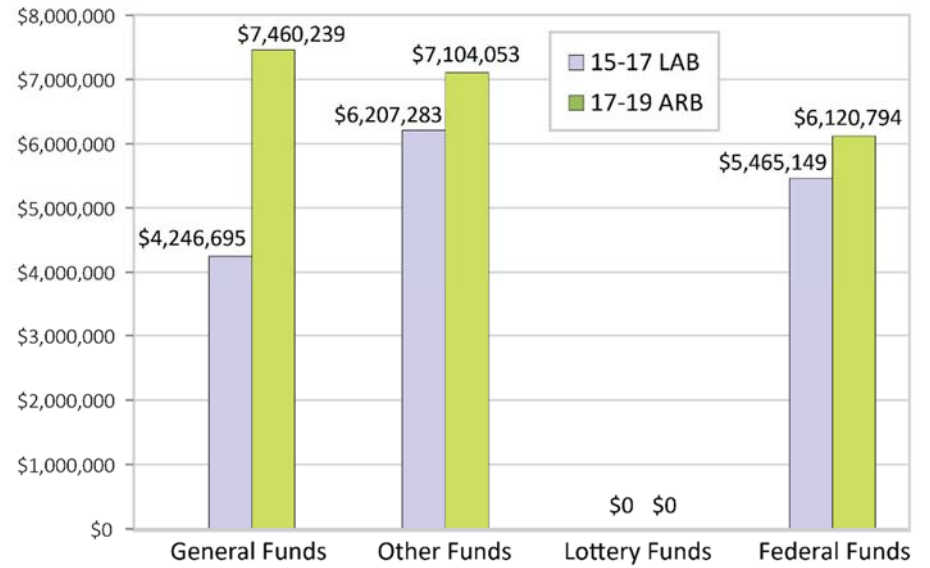
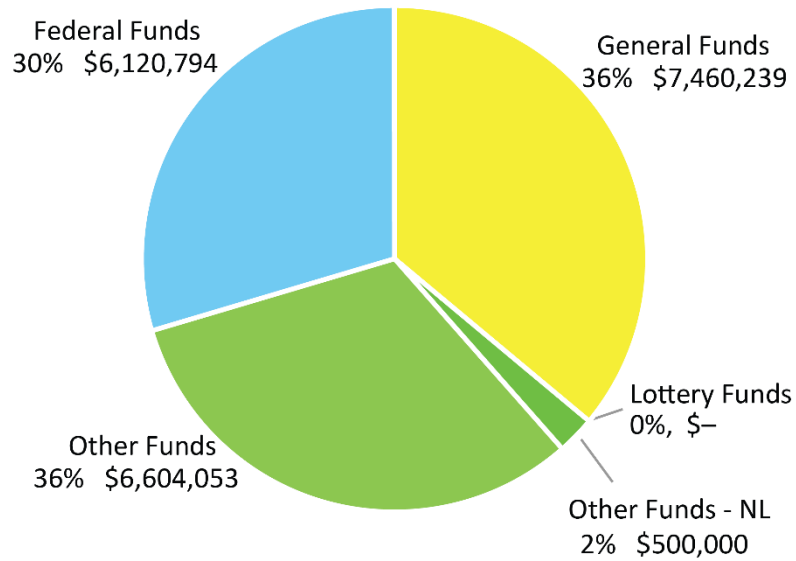
Funds are used to install new instruments.

Revenue Sources

Other Funds \$500,000

BUDGET NARRATIVE

1a.) Budget Summary Graphics (continued)



2017-2019 Agency Request Budget by Fund Type

Comparison of 2015-17 Legislatively Approved Budget (as of April 2016) with the 2017-19 Agency Request Budget

BUDGET NARRATIVE

2.) Summary of 2017-19 Budget (ORBITS BDV104)

Summary of 2017-19 Biennium Budget

Geology & Mineral Industries, Dept of Agency Request Budget
 Geology & Mineral Industries, Dept of Cross Reference Number: 63200-000-00-00-00000
 2017-19 Biennium

Description	Positions	Full-Time Equivalent (FTE)	ALL FUNDS	General Fund	Lottery Funds	Other Funds	Federal Funds	Nonlimited Other Funds	Nonlimited Federal Funds
2015-17 Leg Adopted Budget	42	41.16	15,587,581	4,138,836	-	6,092,210	5,356,535	-	-
2015-17 Emergency Boards	-	-	331,546	107,859	-	115,073	108,614	-	-
2015-17 Leg Approved Budget	42	41.16	15,919,127	4,246,695	-	6,207,283	5,465,149	-	-
2017-19 Base Budget Adjustments									
Net Cost of Position Actions									
Administrative Biennialized E-Board, Phase-Out	(6)	(5.24)	(353,028)	197,581	-	45,991	(596,600)	-	-
Estimated Cost of Merit Increase			-	-	-	-	-	-	-
Base Debt Service Adjustment			-	-	-	-	-	-	-
Base Nonlimited Adjustment			-	-	-	-	-	-	-
Capital Construction			-	-	-	-	-	-	-
Subtotal 2017-19 Base Budget	36	35.92	15,566,099	4,444,276	-	6,253,274	4,868,549	-	-
Essential Packages									
010 - Non-PICS Pers Svc/Vacancy Factor									
Vacancy Factor (Increase)/Decrease	-	-	(557)	(11,658)	-	3,299	7,802	-	-
Non-PICS Personal Service Increase/(Decrease)	-	-	642	12,275	-	10,950	(22,583)	-	-
Subtotal	-	-	85	617	-	14,249	(14,781)	-	-
020 - Phase In / Out Pgm & One-time Cost									
021 - Phase - In	-	-	-	-	-	-	-	-	-
022 - Phase-out Pgm & One-time Costs	-	-	(795,000)	(795,000)	-	-	-	-	-
Subtotal	-	-	(795,000)	(795,000)	-	-	-	-	-
030 - Inflation & Price List Adjustments									
Cost of Goods & Services Increase/(Decrease)	-	-	282,847	28,151	-	128,774	125,922	-	-
State Gov't & Services Charges Increase/(Decrease)			106,687	(12,222)	-	51,007	67,902	-	-

BUDGET NARRATIVE

Summary of 2017-19 Biennium Budget

Geology & Mineral Industries, Dept of
 Geology & Mineral Industries, Dept of
 2017-19 Biennium

Agency Request Budget
 Cross Reference Number: 63200-000-00-00-00000

Description	Positions	Full-Time Equivalent (FTE)	ALL FUNDS	General Fund	Lottery Funds	Other Funds	Federal Funds	Nonlimited Other Funds	Nonlimited Federal Funds
Subtotal	-	-	389,534	15,929	-	179,781	193,824	-	-
040 - Mandated Caseload									
040 - Mandated Caseload	-	-	-	-	-	-	-	-	-
050 - Fundshifts and Revenue Reductions									
050 - Fundshifts	-	-	-	-	-	-	-	-	-
060 - Technical Adjustments									
060 - Technical Adjustments	-	-	-	-	-	-	-	-	-
Subtotal: 2017-19 Current Service Level	36	35.92	15,160,718	3,665,822	-	6,447,304	5,047,592	-	-

BUDGET NARRATIVE

Summary of 2017-19 Biennium Budget

Geology & Mineral Industries, Dept of
 Geology & Mineral Industries, Dept of
 2017-19 Biennium

Agency Request Budget
 Cross Reference Number: 63200-000-00-00-00000

Description	Positions	Full-Time Equivalent (FTE)	ALL FUNDS	General Fund	Lottery Funds	Other Funds	Federal Funds	Nonlimited Other Funds	Nonlimited Federal Funds
Subtotal: 2017-19 Current Service Level	36	35.92	15,160,718	3,665,822	-	6,447,304	5,047,592	-	-
070 - Revenue Reductions/Shortfall									
070 - Revenue Shortfalls	-	-	-	-	-	-	-	-	-
Modified 2017-19 Current Service Level	36	35.92	15,160,718	3,665,822	-	6,447,304	5,047,592	-	-
080 - E-Boards									
080 - May 2016 E-Board	1	1.00	1,336,869	1,209,618	-	127,251	-	-	-
Subtotal Emergency Board Packages	1	1.00	1,336,869	1,209,618	-	127,251	-	-	-
Policy Packages									
101 - LD Positions for Hazard/LIDAR	5	5.00	935,437	138,228	-	-	797,209	-	-
102 - IT Remediation Plan	1	1.00	352,477	325,228	-	27,249	-	-	-
103 - DOGAMI Building Leadership Capacity	1	1.00	198,710	187,172	-	2,249	9,289	-	-
104 - Natural Hazards Mapping Programs	4	4.00	1,750,549	1,483,845	-	-	266,704	-	-
105 - Eastern OR Structure from Motion Pilot	1	0.25	55,648	55,648	-	-	-	-	-
106 - Oregon Mineral Study Continuation	2	2.00	394,678	394,678	-	-	-	-	-
107 - Strong Motion Instrument Fund - Non-Limited Other Fund	-	-	500,000	-	-	-	-	500,000	-
Subtotal Policy Packages	14	13.25	4,187,499	2,584,799	-	29,498	1,073,202	500,000	-
Total 2017-19 Agency Request Budget	51	50.17	20,685,086	7,460,239	-	6,604,053	6,120,794	500,000	-
Percentage Change From 2015-17 Leg Approved Budget	21.43%	21.89%	29.94%	75.67%	-	6.39%	12.00%	-	-
Percentage Change From 2017-19 Current Service Level	41.67%	39.67%	36.44%	103.51%	-	2.43%	21.26%	-	-