

**GOVERNING BOARD MEETING
OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES**

**July 17, 2018
Tour 7:30 a.m. & Meeting 11:00 a.m.**

**Hatfield Marine Science Center
Library Seminar Room
Newport, OR**

Public Meeting Agenda

****If you are not planning to attend the tour, please note the regular public portion of the agenda will restart at approximately 11:00 a.m.****

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.

- 7:30 a.m. Item 1: Call to Order – Chair Laura Maffei**
Meet at Hatfield Marine Science Center in parking lot outside the Guin Library
- 7:32 a.m. Item 2: Tour with Discussion of Multiple Sites Around Newport – Jon Allan and Laura Gabel (DOGAMI)**

Briefing: The Board will not be asked to take an action on this item

Public Notice: Members of the public may participate in the tour of the Newport sites.

IMPORTANT:
Public participants will need to provide their own transportation to the tour sites. It is highly recommended to wear walking shoes - preferably no high-heeled shoes.
- 9:40 a.m. Item 3: Break to Disembark Vehicles at Hatfield Marine Science Center**
- 10:00 a.m. Item 4: Call Back to Order – Chair Laura Maffei**
- 10:05 a.m. Item 5: Executive Session – Annual Director Review**

Board Action: The Board will be asked to take an action on this item
- 11:05 a.m. Item 6: Return to Public Session**
- 11:10 a.m. Item 7: Introductions – Chair Laura Maffei and staff**
- 11:15 a.m. Item 8: Annual Director Review – Chair Laura Maffei**

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

- 11:30 a.m. Item 9: Review Minutes of April 6, 2018**
Board Action: The Board will be asked to take an action on this item
- 11:35 a.m. Item 10: Employee Engagement Survey Results – Sherry Carter, DAS Human Resources**
Briefing: The board will not be asked to take an action on this item
- 11:50 a.m. Item 11: Public Comment**
Three minutes limit per person unless otherwise specified at the meeting by the Chair
- 12:00 p.m. Break (noon)**
- 12:10 p.m. Item 12: Working Lunch – Tsunami Line Follow-up Board Discussion**
Board Action: The board may be asked to take an action on this item
- 12:40 p.m. Item 13: Financial Report – Kim Riddell, Chief Financial Officer**
Board Action: The board will be asked to take an action on this item
- 12:55 p.m. Item 14: Legislative Concepts Update – Bob Houston, Legislative Coordinator**
Briefing: The Board may be asked to take an action on this item
- 1:10 p.m. Item 15: Agency Request Budget, Legislative Concepts and Policy Option Packages – Kim Riddell, Chief Financial Officer and Bob Houston, Legislative Coordinator**
Board Action: The Board may be asked to take an action on this item
- 1:25 p.m. Item 16: Calico Update – Randy Jones, Chemical Process Mining Coordinator**
Briefing: The Board will not be asked to take an action on this item
- 1:55 p.m. Break**
- 2:05 p.m. Item 17: MLRR Update – Brad Avy, Director**
Briefing: The Board will not be asked to take an action on this item
- 2:35 p.m. Item 18: GS&S Update – Jed Roberts, GS&S Manager**
Briefing: The board will not be asked to take an action on this item
- 2:45 p.m. Item 19: Director’s Report – Brad Avy, Director**
Briefing: The board will not be asked to take an action on this item
- 3:05 p.m. Item 20: Public Comment**
Three minutes limit per person unless otherwise specified at the meeting by the Chair
- 3:15 p.m. Item 21: Confirm Time and Date for October Meeting and for Special Call-in Meeting to Finalize Agency Request Budget and Legislative Concepts by July 30, 2018**
Board Action: The board will be asked to take an action on this item

3:25 p.m. Item 22: Board Adjourn

PLEASE NOTE

AGENDA

The Board meeting will begin with a tour that is open to the public at 7:30 a.m. The public portion of agenda will restart at approximately 11:00 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 Lori Calarruda at (971) 673-1537 or you may email her at lori.calarruda@oregon.gov

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: Jon Allan and Laura Gabel, DOGAMI

Date: July 10, 2018

Regarding: Agenda Item 1 and 2 – Call to Order and Tour with Discussion of Multiple Sites Around Newport

The meeting will be called to order at the Hatfield Marine Science Center in the parking lot outside the Guin Library.

Public Notice: Members of the public may participate in the tour of the Newport sites.

IMPORTANT:

Public participants will need to provide their own transportation to the tour sites. It is highly recommended to wear walking shoes – preferably no high-heeled shoes.

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Laura Maffei, Governing Board Chair

Date: July 10, 2018

Regarding: Agenda Item 8 – Annual Director Review

The Board will take action on the Director's Annual Review.

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

Staff Report and Memorandum

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

From: Lori Calarruda, Executive Assistant

Date: July 10, 2018

Regarding: Agenda Item 9 – Review Minutes of April 6, 2018

Attached are draft Board Minutes from April 6, 2018.

Proposed Board Action: The Board Minutes of April 6, 2018 be Approved/Approved as amended/Not Approved.

**GOVERNING BOARD MEETING MINUTES
OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES**

Friday, April 6, 2018

8:30 a.m.

Portland, Oregon

1) Call to Order: (Laura Maffei, Board Chair)

Chair Laura Maffei called the meeting to order at 8:36 a.m.

2) Introductions: (Laura Maffei, Board Chair and staff)

Chair Laura Maffei, Vice-Chair Katie Jeremiah, and Board Members Scott Ashford, Lisa Phipps and Diane Teeman were in attendance.

Department of Geology and Mineral Industries (DOGAMI) Staff in attendance:

Brad Avy, Director/State Geologist

Lori Calarruda, Recording Secretary/Executive Assistant

Ian Madin, Deputy Director/Chief Scientist

Kim Riddell, Chief Financial Officer (CFO)

Ali Ryan Hansen, Communications Director

Jed Roberts, GS&S Manager

Matt Williams, GIS & Remote Sensing Supervisor

Randy Jones, Chemical Process Mining Coordinator

Lisa Reinhart, Water Quality Reclamationist

Others in attendance:

Sherry Carter, DAS Human Resources (HR)

Rachel Weisshaar, Department of Justice (DOJ)

John Terpening, Legislative Fiscal Office (LFO)

Haylee Morse-Miller, DAS Office of the Chief Financial Officer (CFO)

Linda Kozlowski – Potential new board member

3) Review Minutes of December 11, 2017:

Chair Maffei asked if there were any changes to the minutes as presented.

Board member Phipps added the clarification that it is not a regulatory line to her statement for lines 119-121.

Board Action: **Ashford moved to approve the minutes of December 11, 2017 as amended. Phipps seconded. Motion carried.**

4) Civil Penalties:

Rachel Weisshaar, filling in for Diane Lloyd, stated DOGAMI will not be asking the Board to take further action on this item. She explained that after looking at the Rules, there are two items in them

that would require a civil penalty request to come to the Board for approval. Therefore, in the future, if the Agency wants to pursue a civil penalties action, they will bring it back to the Board.

Maffei introduced Linda Kozlowski as a potential board member going through the process.

5) Strategic Plan Update:

Communications Director Ali Hansen provided an update on the strategic planning progress.

Hansen reviewed the process of how the Strategic Framework was completed. She stated the framework does not include the actionable, measurable, and task-based activities that effectively move the Agency toward achieving its mission and goals. The Strategic Plan is a companion document on how the objectives will be reached by defining projects that complete them. The staff have identified imperatives/initiatives and broad range ideas to accomplish the tasks. The full action plan will be presented to the Board in July. Hansen mentioned the Agency will start developing the 2022-2028 Strategic Framework in 2020. Chair Maffei requested the draft Strategic Plan document be sent to Board members well ahead of the meeting to review and digest the information.

Briefing: No Board Action Required.

6) Financial Report:

Kim Riddell, Chief Financial Officer, presented the budget status report as of February 28, 2018.

The Board packet contained the 17-19 Budget Report as of February 28, 2018. As requested at the previous board meeting, the Strong Motion Instrument Fund has been listed as a separate table on the GS&S page and the Reclamation Guarantee Fund (a.k.a. the bond fund) has been separated out for MLRR.

Riddell said her only concern, which should be all CFOs concern, is the cash flow that comes in since the Agency is small. She reminded the Board that federal funds need to be expended before they can be reimbursed. Riddell stated Other Funds of \$1.288 million are stated as being projected because they need to determine what was carried forward from last biennium. She mentioned the packet that was sent to the Board members was different than this one because information was in the wrong spot but it did not affect the bottom line and the packet online is correct. Riddell noted that GS&S has at least forty-five (45) active grants and remarked this program is brilliant at getting grants partly because the Agency is asked to do so much work. Phipps asked if the actual and projected column for GS&S was over projected, Riddell replied yes, but that the funds will total zero (0) at the end of the budget period.

Riddell stated MLRR does not have a negative balance even though it looks like it currently does because the beginning balance is not considered an actual number yet. It is projected to have \$263,500 at the end of the biennium. She said the program is spending more than it is making. Riddell discussed the Reclamation Guarantee Fund section in detail. She stated that a question came up last meeting about Attorney General (AG) costs, she anticipates they will go down in the second year but since it is substantial right now she wants to keep it on there at the higher spend projection. Riddell said the IT online project is currently included but can be removed until next biennium.

Phipps declared she is probably the only member who understands the difference of the information presented today from three (3) years ago. She suggested that having the different types of grants and how they are managed listed in larger categories on the budget report would be nice to see on future reports.

Board Action: **Jeremiah moved to accept the Budget Status Report as presented. Ashford seconded. Motion carried.**

7) **MLRR Update:**

Ian Madin, Chief Scientist and Deputy Director presented his report on MLRR:

Take Exception

Madin provided an update on the process of the Take Well Exception. The final report and decision document was previously sent to the Board members. The request was to allow Enerfin to drill a new well from the same pad as the old one to obtain the remaining gas because they missed the perfect location to access all the gas from one well. Madin said technically it was straightforward but there were concerned citizens and the Agency wanted to make sure they had an opportunity to participate in the process. The decision was determined only on a technical basis, not a referendum on natural gas drilling in that neighborhood. Enerfin and the public commenters have been notified of the decision. Madin mentioned Mr. Semerjian did appreciate the effort DOGAMI made to keep them informed on what was taking place.

Stormwater Program

Madin stated that MLRR administers the DEQ water quality permits for stormwater and process water at mine sites through an agency agreement and the Agency receives seventy-five percent (75%) of the permit fees for this work. Madin said Lisa Reinhart has done a great job working with permittees and has put together an education program and recently did a training session for industry members.

Introduction of Lisa Reinhart:

Reinhart is the Water Quality Reclamationist and moved here in June from Utah. She said she was doing a similar job in their Oil, Gas and Mining program, which turns out is completely different than this one.

Recent Workshop:

Reinhart said she realized the Agency needed to improve outreach and work with permittees on this program to have them understand what their requirements are under the permits and give them tools to use. The training was well received but hit on the day of the snowstorm so another session is being held in May.

Reinhart stated there are two permits, a stormwater permit and a wastewater permit, both have expired and MLRR is waiting for DEQ to renew them. There are approximately 260 stormwater permits and 70 wastewater permits. Reinhart said DEQ has requirements that can be daunting so she is willing to work with the permittees through an immunity program if they contact her for technical assistance to help them find items to fix without having to

report them. If the Agency receives a complaint or it is an environmental issue then the sites do get referred. She has inspected about thirty (30) sites and all but one had violations and about a quarter of them were referred to DEQ. Jeremiah said she feels an initial immunity approach is better.

Ashford asked about the DEQ permits. Reinhart explained the EPA requires the permits to be renewed every five (5) years, the wastewater permit expired in October 2017 and the stormwater permit expired in December 2017. The Agency has been waiting for the revised ones from DEQ. All expired permits are still active administratively under the expired permits until the new ones are completed.

Jeremiah said the training session was well received and the industry members are looking forward to more from the Agency.

Jeremiah asked how the Agency can work with DEQ to have the process changed to open the door to allow permittees to view the permit and provide input before it is issued so it does not immediately get contested into litigation. Madin replied he plans to discuss it with DEQ and see how to make the process more sustainable.

Madin explained three (3) new FTEs are needed to have the capacity to complete inspections. MLRR went from doing two hundred (200) site visits to forty (40), but was not completing the paperwork that needed to be done. The recent focus has changed to get the paperwork completed. A lengthy discussion of site inspections, paperwork and allocation of staff time took place.

Internal Management Directives (IMDs)

Madin discussed the Agency policy documents, which do not require the Board's approval but wanted the Board to be aware of them. The IMDs will include the immunity document, provisional permits, and bonding. The staff will also be working on one for cultural resources and how they will work with reviewing agencies. Madin plans to present them to the Board over the course of the year.

Rule Writing

Madin said at this point the Agency is looking at rulemaking for HB 2202 and SB 644 for the aggregate and chemical process portions. The Agency needs to change the rules on the map requirements as the current ones are very costly to implement for applicants. Madin explained there are also housekeeping items that Larry Knudsen identified for the rewrite of rules, specifically the term operator and that it can be different from permittee.

Staffing

Madin stated he is currently working on the manager recruitment, office manager position and lead permitting specialist since Kelly Wood left the Agency. He said the manager recruitment was extended.

Introduction of discussion draft Legislative Concepts and Policy Option Packages for the 2019-21 Agency Request Budget

Ali Hansen introduced the Agency's Legislative Concepts (LCs) and Policy Option Packages (POPs) for the Board's consideration. These will be worked up in more detail and brought back to the Board prior to their next regular meeting.

Legislative Concepts:

Increase permit fees to ensure adequate delivery of service and ability to meet regulatory responsibilities, and add cost recovery options for complex permit applications.

- Current permit fees do not support essential program services, including site inspection to proactively address potential issues; timely correction of compliance issues; and effective, efficient day-to-day operations supported by a modern database.
- No efficient mechanism exists to ensure costs for complex permit applications are covered by the applicant, which results in costs being covered with revenue that would otherwise support overall MLRR program services.

Chair Maffei asked if the percentage has been figured out, Hansen said they are still looking at it to determine the best strategy before talking to stakeholders. Ashford asked if MLRR has all their costs covered by fees to provide services, Hansen replied yes. Maffei asked if there is a shortfall, Riddell explained there is not currently a short fall for the fiscal year or biennium but next biennium is coming close with the new hires that will be coming on board. Maffei asked if the Agency did not hire any new employees then could it keep going along, Riddell said that by adding the manager and office personnel it could but it will not be adding efficiency. Jeremiah said she found out DEQ is contemplating a fee increase and asked staff to make sure if DOGAMI will be receiving any of these fees and to clarify before moving forward. Jeremiah also stated the last fee increase was approved because it was well documented and presented to the industry and to keep that in mind.

Add cost recovery option for monitoring and inspecting chemical process mine operations.

- Existing statute does not provide a straightforward option to recover costs for first-year monitoring and inspection of chemical process mines, or to use a more efficient cost recovery model to recover costs beyond a renewal fee in subsequent years.

Maffei asked if the first year is expected to be more expensive for monitoring. Madin replied there is no mechanism for the Agency to recover costs the first year after the permit has been issued. Ashford said the approach then is to incur the costs upfront and include in the renewal fee. He asked if there is a year gap for coverage of services and Madin replied yes.

Refine existing exclusion certificate requirements and construction requirements.

- Broad language in existing statutes requires:
 - Anyone excavating any quantity of mineral to obtain an exclusion certificate, including recreational rock collectors and hobby miners.
 - Any construction project doing significant excavation to be permitted as an aggregate mine.

Ashford asked if the construction industry is supportive of it, Hansen replied they are just starting conversations with stakeholders. Phipps asked if the Agency will issue a pre-notification that if they intend to sell material then they would need a permit, Hansen said an outreach program would need to be designed for it. Ashford asked if construction companies were aware they needed a permit, Hansen responded it was not widely known and is currently complaint driven. Ashford asked if the excavator used the material on another one of their projects if the permit is required. Hansen said they are still working out the details. Ashford stated that whatever the Agency wants to do they need to articulate it well.

Phipps thanked the staff for all the efforts with the MLRR program and turning it around. She feels that the program is on the right track.

Policy Option Packages:

These are above and beyond our baseline of funding.

Effective, efficient MLRR program service delivery and operations.

Increases MLRR program capacity to deliver essential program services and meet regulatory responsibilities, by adding staff with funds generated by legislative concept for permit fee increase. Cost: \$748,643 Other Funds. Positions 3.0 FTE permanent Natural Resource Specialist-2, .5 FTE permanent Information System Specialist-6.

Chair Maffei asked if this was in addition to the fee increase or part of it, Riddell stated it was part of it but this is to obtain approval to get permanent positions and position authority to hire them from the Legislature. Maffei asked if the fee increase did not occur what would happen to the positions if they could not afford to fill them, Riddell answered that the Agency would drop the POP.

Lidar for equitable hazard science to support community resilience

Supports collecting lidar data to meet critical or emerging community resilience needs, such as improving decades-old natural hazard mapping or recovering from disasters, regardless of the community or region's ability to provide matching funds. Cost: TBD General Fund.

Hansen expressed this is to cover a gap in the model. Ashford said it seems twofold, one for small rural communities that are unable to afford to have the service done and two for emergencies without needing to get approval. He asked if the cost would include the collection, processing and management of the data, Riddell replied yes. Phipps stated DOGAMI should focus on the Association of Oregon Counties, Coastal Communities and the Coastal Caucus as they have an interest in this information. Jeremiah asked if the lidar is the same as the drones they wanted to purchase, Hansen explained the process and Ashford included additional information about how lidar is collected.

Increase access to mineral resource information

Supports exploration of mining potential in eastern and southern Oregon, by digitizing and publishing DOGAMI's paper collection of historic mining documents in modern, easy-to-navigate formats. 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. This

package funds the most cost-effective alternative for such research. Cost: \$394,678 General Fund. Positions: 1.0 FTE limited duration Natural Resource Specialist-4; 1.0 FTE limited duration Natural Resource Specialist-2.

Hansen said the increase was originally brought to the Board last biennium and the Agency has brought it back to them because it was previously well received but not successful. The Board is being asked to consider it again. Chair Maffei asked why it was rejected, Riddell said she believed it was because the State was under a shortfall and DOGAMI did well in the budget process. Maffei does not want the Agency banging their head against the wall if it will not be funded. Madin said this was originally in SB 644 until the very last bill revision and then it was removed.

All Board members supported the Agency's request to move forward with developing these ideas and bringing them back to discuss and vote on.

The ARB for 19-21 is due August 1, 2018 and these POPs will be in it if approved. Maffei said a phone meeting would probably be scheduled before the July meeting to review the budget and approve the POPs and concepts. Ashford stated he wanted to ensure all the details are flushed out before the meeting.

Calico-Grassy Mountain

Madin introduced Randy Jones, who is contracted through DEQ on rotation as the Chemical Process Mining Coordinator for Calico. Jones provided a brief update and said DOGAMI is leading nine (9) state agencies through this process and is the cost recovery path for all the other agencies which may be a problem in the future. He stated this is six (6) years in the making and it is still in the in the pre-application phase in which the company has been collecting baseline data. A consolidated permit application is expected this summer. A Pre-feasibility study needs to be completed before the permitting process can be done. The company is a publicly traded company in Toronto so DOGAMI will not be able to see the study until it is posted online. Chair Maffei asked what happens if the pre-feasibility study comes back bad, Madin replied it could end this process.

Ashford asked since this is the first chemical process site if it is more difficult for Oregon than other states. Madin answered it is probably easier in Nevada since they have quite a few sites and everyone knows how to do everything. Jones said there are more Oregon unique aspects compared to other states. Madin proposed a standing update item on Calico at the upcoming Board meetings, which was acceptable to the Board members.

Briefing: The Board may be asked to take action on this item. No action taken.

8) Public Comment:

Chair Maffei asked for public comment. No public comments.

Break

9) ASCE-7 Update:

Dan Cox, Ph.D., Professor, Coastal and Ocean Engineering at Oregon State University (OSU), provided an ASCE (American Society of Civil Engineers) -7 update.

Professor Cox stated that he works with ASCE-7 on their committee. ASCE-7 is a consensus standard for building standards (7), which is based on risk standards. He explained IBC is International Building Code for countries that are unable to afford the research. Hawaii, Alaska, California, Washington, Oregon are the five (5) states adopting the IBC in 2020, which accepts the ASCE-7 standards. ASCE will be publishing a design guide to go along with the codes. A probabilistic hazard map, similar to one by USGS, was needed to complete the code standards. The committee used a 2,500-year design level event for earthquakes. Based on that design level, there is a two percent (2%) chance of one happening in the next fifty (50) years.

Cox discussed what ASCE-7 provides to engineers and designers for tsunamis. The ASCE-7 codes incorporate some of the science, all of the engineering, and a little of the social science. He briefly mentioned the risk categories. The probabilistic tsunami hazard analysis (PTHA) that was done was based off hundreds of scenarios to determine the probability of having a certain scenario at each point along the US pacific coastline. He said one can access the ASCE-7 database for a specific location and get the expected tsunami inundation characteristics for a 2,500-year event, which is a consistent starting point for practical engineering designs. For the OSU PTHA comparison that was done, the ASCE-7 inundation map compares to DOGAMI's "M" inundation map. Cox said the comparison is the extent of the water coverage area, not the depth of water. Cox explained when they start looking at DOGAMI's t-shirt sizes of XL, XXL, it starts to compare with the 20,000-year return period. Engineers are not comfortable with t-shirt sizes, they would prefer a number and are looking at a probabilistic approach. Cox believes if they did a more thorough job they could come up with the annual exceedance probability.

Teeman asked if any of the archaeological data of when actual events have occurred in the past was used to come up with the probability models, Cox replied yes. He said they are using a 10,000-year record to come up with a 2,500-year event.

Cox stated that in addition to the inundation depth, they are interested in speed, force, arrival time and duration of flooding for not only life safety but how to keep the infrastructure intact. He said they are working to include earthquake with tsunami to create risk for buildings. After tsunamis they also looked at buildings that did not have damage to see why they withstood the tsunami and why the other buildings failed. He was involved with looking at debris that could hit buildings and what damage happens. He discussed vertical evacuation for life safety.

Cox said for designing the new OSU building in Newport, they used both DOGAMI's "XXL" and ASCE-7 and picked the bigger number. The basic lessons for the design of buildings is you can build them to withstand a tsunami event. When they design for seismic safety, in tsunami areas they are already built strong and not much more is needed for a tsunami.

Ashford asked Cox to discuss the difference of DOGAMI's inundation zones and ASCE-7 for evacuation and critical infrastructures. Cox replied that ASCE-7 is only used for critical buildings not evacuation planning. He suggested adopting hazard overlay zones for critical infrastructure and lifeline infrastructure and then looking at ASCE-7 for the expected level of damage for structures. Ashford asked for clarification of the "L" Line and ASCE-7. Cox likes the nationally consistent standard for the entire west coast to be used for the five (5) states. A lengthy discussion took place

and Cox said to determine it, a comprehensive review of each area would need to take place. Phipps asked who would have been part of the committee and if someone from building codes had been involved. Cox replied he did not believe they had anyone attend. Phipps asked if states can adopt only portions of the codes and Cox said he believed they could.

Briefing: **The Board may be asked to take action on this item. No action taken.**

10) GS&S Update:

Jed Roberts, GS&S Manager provided an update on the GS&S program and discussed significant new projects, exciting proposals and major publications. He said three (3) existing proposals are now significant new projects (1, 3 & 4 below). For new project 2, Phipps asked if DOGAMI can use it as an indicator of the value of that data when the Agency goes to ask for the POPs, Roberts replied yes. Maffei asked if this helps with the Agency's obligation to fulfill SB 3089, Madin stated this is the beginning of getting it completed.

Ashford asked if the landslide hazard research is being done with any of the universities and Roberts said he will check with Bill Burns. [see attached follow-up response]

Roberts announced DOGAMI is working with Earthquake Engineering Research Institute (EERI) to host a workshop on Monday.

Ashford asked if 18-02 is based on worst case scenario and is there a way to do relative likelihood, Roberts said the scenario was selected to meet the needs of emergency response planners who were the primary project stakeholders. Madin stated that this project is based on the most likely Cascadia subduction zone earthquake scenario. Hansen said the summary is a tool DOGAMI made to work with different agencies and is based on Cascadia, with three key messages of better information to help us become better prepared, need to keep working to increase resilience, and every action taken helps. She said people felt it was not as bad as anticipated and feel more empowered. The Agency wants people to take more action to be prepared. Phipps said it makes sense and the coast needs to look at preparing for the influx of people during the different times of the year.

Roberts provided a handout detailing the following information.

Significant New Projects:

- (1) Landslide Hazard Mapping for Coastal Communities
- (2) Mineral Resource Document and Data Preservation
- (3) Annual STATEMAP Geologic Mapping – this is 25th consecutive year we received this funding
- (4) USGS – Eagle Creek Post Fire Monitoring

Exciting Proposals:

- (1) Annual FEMA Cooperating Technical Partner Projects – no match needed

Major Publications:

- (1) Open-File Report 0-18-02: Earthquake Regional Impact Analysis for Clackamas, Multnomah, and Washington Counties – John Bauer is very proud of the work done. Back of sheet had information from the report.

(2) Open-File Report 0-18-01: Radon Potential in Oregon – it has been added to the HazVu online map

Briefing: **No Board Action Required.**

11) Director's Report:

Director Avy presented his Director's Report on the following:

Board Member Vacancy

Avy is pleased the Agency made progress with the appointment of Diane Teeman at the last session. There is a potential new Board member to be confirmed by the Senate in May.

2018 Legislative Session

Avy stated it has been a fairly low-key session for Hansen's first session as Legislative Coordinator.

2015 Budget Note Progress Report

At the 2018 Legislative session the Agency provided a progress report on the Budget Note items that needed to be addressed from the 2015 session, including the IT audit. Avy stated, the Agency has made good progress on all items in the Agency Improvement Scorecard. The Business Model Assessment for the GS&S program is one of the items DOGAMI was asked to look at. It includes grant funding, which is currently workable because the staff is good at securing grants, but cautioned that if the federal government stopped funding projects then the Agency would need to look at what the impact and options might be. He emphasized IT is in a much better place than where the Agency was a few years ago regarding data security and disaster recovery.

Avy said it is likely the Agency will not be required to provide a 2015 Budget Note progress report to the Legislature in the future. The Agency is currently on track with the support of the Legislature, Board and LFO.

Chair Maffei asked when the Agency will get final sign off on the Budget Note. John Terpening said that not having to report to the Legislature is a sign off. Maffei asked Avy if the Business Model Assessment is something that would always be updated, he replied yes. Phipps asked if the Agency is working on an option if the federal funding stopped, Avy responded it is an option but that at present he did not think there would be a return on investment. Phipps asked if prioritizing the grants would be of value, Avy responded he thinks there is value but believes there would be time to adapt since some of the grants have two to three (2-3) year cycles.

Leadership Development

Avy stated the leadership mentoring has been ongoing and he is enjoying meeting with the new supervisors. This week the Agency put out a new employee engagement survey but will not have details for several weeks. The information will be presented at a one-day all staff meeting. A survey has not been done since 2014.

Avy shared that Governor Brown has asked that Agencies and Boards be aware of existing policies for Discrimination and Harassment Free Workplace and Maintaining a Professional Workplace. Chair Maffei handed out the information to the Board members.

Chair Maffei asked where the cycle is for the new supervisors' rotation, Avy replied the supervisor rotation is December to November and this is the second full year. He explained the manager position is a two-year rotation ending in the fall and the Agency will need to look at how they approach it in the future. The current thought is another year of rotations before recruiting for permanent positions.

Briefing: **No Board Action Required.**

12) Future Scheduling Items:

A conference room has been reserved at the Hatfield Marine Science Center in Newport, OR for both July 16 & 17, 2018, based on approval from the Board at the December 11, 2017 meeting.

Chair Maffei said the discussion is to finalize scheduling of the following items:

- Board Retreat/Board Meeting Dates/Times: A regular quarterly meeting plus a retreat. Maffei proposed the retreat, which is a non- substantive meeting with no decisions being made, be held on the afternoon of Monday and the regular Board meeting be held on Tuesday morning. No starting time was decided at this meeting, but will be determined to allow staff to attend. There was a consensus for the dates.
- Director Evaluation: The annual evaluation draft writeup needs to be done in time so it may be completed in an executive session at the July meeting. Chair Maffei told the Board members to look for that coming soon. She said new Board members may not have much input. Phipps asked if she can still participate and provide data on the evaluation, the request was approved by Maffei. Avy added that the evaluation needs to be incorporated going forward into the Board's standard practice for approximately the same time of year.

Board Action: **Ashford moved to have the annual evaluation of the Director performed at the July 17, 2018 meeting. Phipps seconded. Motion carried.**

13) Public Comment:

Chair Maffei asked for public comment.

Ashford thanked Professor Cox for presenting and said he thinks DOGAMI should start having a conversation on next steps moving forward at the July Board meeting. Chair Maffei requested to have it added to the next meeting agenda. Jeremiah asked if the Board can have some of the advocacy groups invited to attend and discuss this topic.

14) Board Adjourn:

Chair Maffei adjourned the meeting at 12:22 p.m.

APPROVED

Laura Maffei, Chair

CALARRUDA Lori * DGMI

From: CALARRUDA Lori * DGMI
Sent: Tuesday, April 10, 2018 3:53 PM
To: CALARRUDA Lori * DGMI
Cc: AVY Brad * DGMI; HANSEN Ali * DGMI; ROBERTS Jed * DGMI; BURNS Bill * DGMI
Subject: April 6, 2018 DOGAMI Board Meeting Follow Up Materials
Attachments: Earthquake Regional Impact Analysis_Summary of the Study.pdf

Hello everyone,

Below are two follow up items from the April 6th DOGAMI Board meeting. Please let me know if you have any issues with opening the attachment.

Bcc: Laura Maffei, Katie Jeremiah, Scott Ashford, Lisa Phipps, Diane Teeman

Sincerely,

Lori

First, attached is additional information on the Regional Disaster Preparedness Organization (RDPO) regarding the earthquake regional study discussion provided by Ali Hansen.

Second, a question came up about whether we collaborate with universities on landslides. Here is Bill Burns' response:

The short answer is absolutely we work with the Universities on landslide projects. The longer answer is below by University. I'm only looking back at the last 5 years for this summary.

PSU – We hire students from PSU continuously. This is a huge win-win. Some of the recent projects done with PSU students include: <http://www.oregongeology.org/pubs/ofr/p-O-17-04.htm>. We also work with several professors at various levels. For example Scott Burns recently performed an external review on my PDX Landslide Risk study. Also, I have taught lectures on landslides at PSU in the engineering department and the geology department by request from professors. Also, I have been on several PSU student thesis committees all on landslide thesis.

OSU – We have had several recent landslide projects with professors at OSU. The last couple and an existing one include: <http://www.oregongeology.org/pubs/ofr/p-O-15-01.htm> and our current project with them is proposed as a DOGAMI special paper. This current one is on automatic landslide mapping.

U of O – We received a USGS earthquake (NEHRP) grant with U of O 2 years ago and finished that project. It was on dating landslides and correlating them to the Cascadia earthquake record. We just received a Y2 grant from the USGS to continue this work. This work was presented in a session we co-chaired at Geological Society of America (GSA) last year. We also held a coseismic workshop last year on this subject and are writing up an article for American Geophysical Union's (AGU) Earth & Space Science News publication called EOS.

UW – We have done some work with professors at UW recently also. Since the WA Geological Survey started using our methods on landslide mapping, the university has had many student MS theses focused on this. I

taught a short course up there a couple years ago and now have questions and reviews as asked. I have a proposed project with a professor there to make improvements to the deep susceptibility methods.

Kent State University – Recently worked with a professor and 2 of his students working on landslide topics here in Oregon. One ended up with an inventory that went into SLIDO (DOGAMI’s landslide map) and the other is a PhD student still working on his dissertation.

Lewis and Clark College – I taught a lecture on landslide risk analysis at the request of a professor.

Lori Calarruda | Executive Assistant

Oregon Department of Geology and Mineral Industries

800 NE Oregon Street, Suite 965, Portland, Oregon 97232

Direct: (971) 673-1537 | Fax: (971) 673-1562

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Earthquake Regional Impact Analysis

Summary of the Study



Overview

Scientific evidence shows us that a Cascadia Subduction Zone earthquake could happen at any time. The Oregon Department of Geology and Mineral Industries (DOGAMI) has released a new study that examines potential impacts of a Cascadia earthquake for Clackamas, Multnomah, and Washington Counties.

By using updated data and the latest mapping and modelling techniques, the study greatly improves our understanding of potential earthquake impacts for our region – and for each neighborhood within the counties that were studied. These new estimates of building damages, injuries and fatalities, and people needing shelter helps us plan and prepare for potential impacts, and take action to reduce them.

View the full report at <http://www.oregongeology.org/pubs/ofr/p-O-18-01.htm>. The next phase of the study will look at potential earthquake impacts for Columbia and Clark Counties.

Key Findings

Impacts will be much larger if the earthquake happens during:

- The daytime when more people are at work/school, occupying more vulnerable building types.
- The rainy season when soils are saturated, which would lead to more liquefaction and landslides.

Impacts will be much smaller if the earthquake happens:

- At night when more people are at home in wood-frame structures.
- During the dry season when soils are less saturated, which would lead to less liquefaction and fewer landslides.

Assuming the worst-case scenario (a M 9.0 earthquake, during the day, during the rainy season), the following impacts are estimated for the three counties studied (Clackamas, Multnomah, and Washington):

- As many as 27,000 injuries ranging from minor to fatal (2% of population).
- As many as 85,000 people in need of shelter (5% of population).
- As much as \$37 billion in building damages (14% of building value lost).
- As much as 17 million tons of debris from damaged buildings.

Earthquake Regional Impact Analysis

Summary of the Study



Key Takeaways

- We now have much better data for the Counties studied. It allows each neighborhood to better understand their hazards and plan for estimated impacts.
- We know that impacts will be greater during the daytime on a weekday. We may not be at home when the earthquake strikes.
- We know that impacts will be greater during the winter months.
- Some areas will fare better than others in terms of direct impact, but we will all be affected by damage to roads, electric systems, and other services. We will all need to reach out and help those who are impacted the greatest.

How You Can Prepare

We can't prevent an earthquake, but we can reduce our risk and increase our resilience by taking preparedness actions. Every action you take helps.

- **Know your hazards.** See earthquake and other related hazards for your neighborhood at Oregon HazVu: www.oregongeology.org/sub/hazvu. See the full detailed study about estimated earthquake impacts in your area at www.oregongeology.org/pubs/ofr/p-O-18-02.htm.
- **Make a plan.** Create plans with your family, neighbors, and coworkers based on the hazards and potential impacts for the areas where you live and work. www.ready.gov/make-a-plan
- **Make a kit.** Store enough supplies to take care of your household for at least two weeks. Water, food, and first aid supplies are a good start. www.redcross.org/local/oregon/preparedness
- **Increase your home's earthquake safety.** Identify hazards around the house (what can fall, break, or move during an earthquake) and fix them. Ask your landlord or building manager about safety plans. If you own your home, consult a geotechnical professional about seismic retrofits and other property improvements. www.ready.gov/earthquakes
- **Know your neighbors.** Since first responders will be overwhelmed, neighbors will likely be the first ones to help victims. Get to know your neighbors and contact your local Community Emergency Response Team (CERT) or Neighborhood Emergency Team (NET). www.publicalerts.org
- **Become a resilience champion.** Advocate for earthquake retrofits and preparedness planning at your school, workplace, and place of worship, and with your community leaders. Government and non-government entities are working hard to advance preparedness, and they need public support.

Additional resources: www.portlandoregon.gov/pbem/46475

Questions?

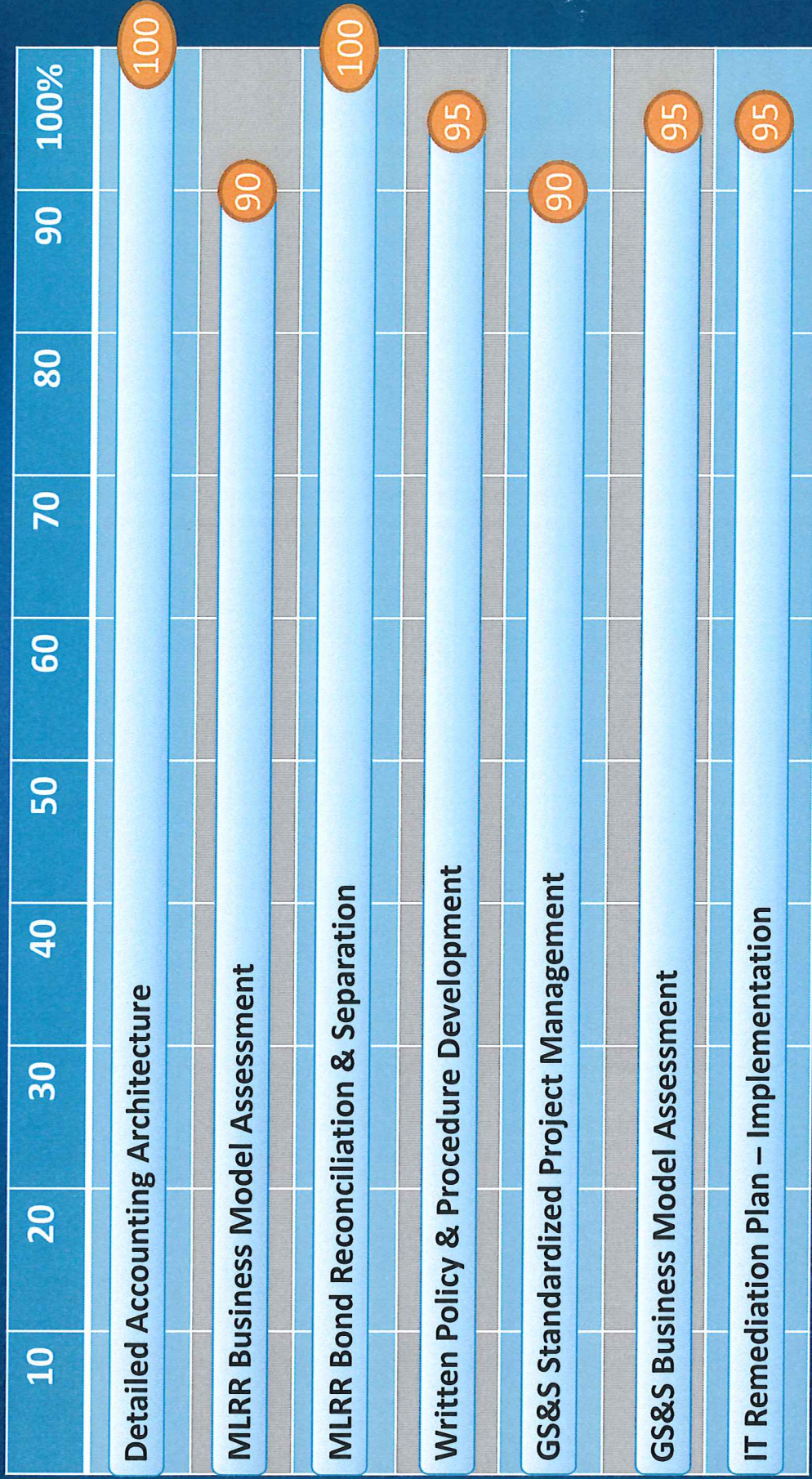
RDPO Contact

Laura Hanson, Regional Planning Coordinator
Regional Disaster Preparedness Organization
(503) 823-9799 | laura.hanson@portlandoregon.gov

DOGAMI Contact

Ali Ryan Hansen, Communications Director
Oregon Department of Geology and Mineral Industries
(971) 673-0628 | ali.hansen@oregon.gov

Improvement Scorecard



Staffing by Service Area

Budgeted Positions	6	11	25	Total	42
P = permanent					1
LD = limited duration					1
Total	6	11	26	43	
(includes 1 MLRR and 3 GS&S vacancies)					
T = temporary	1	1			2

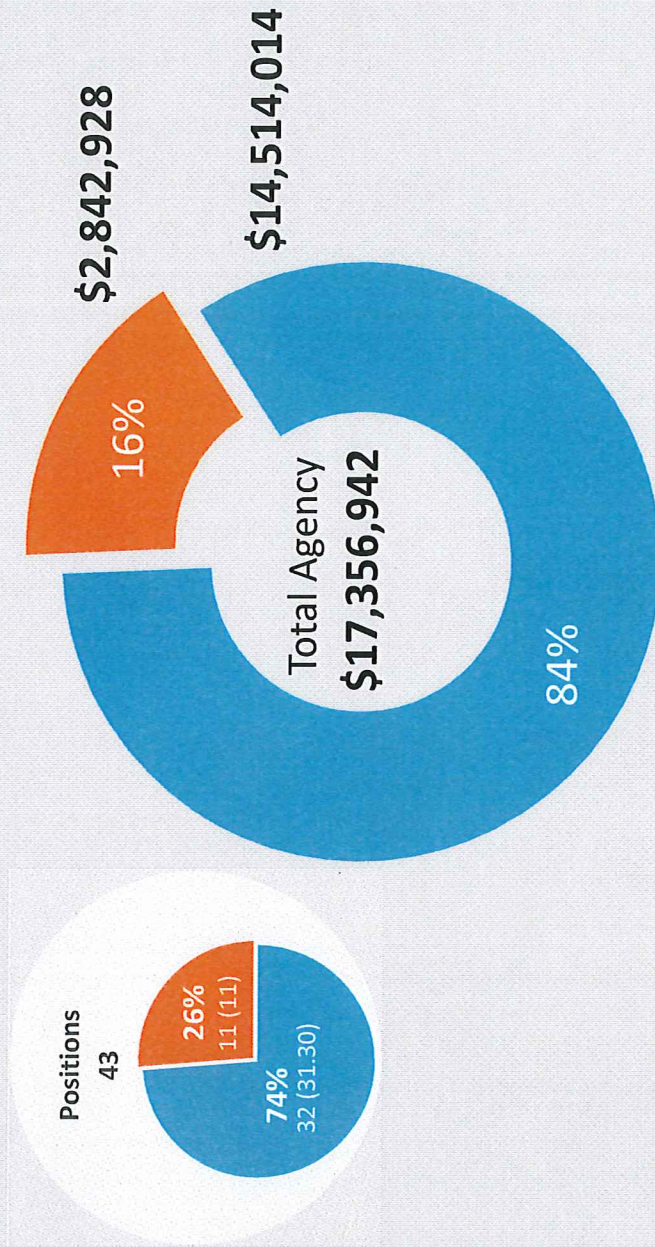


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DOGAMI 2017-19 Program Budgets

- Geologic Survey & Services (GS&S)
- Mineral Land Regulation & Reclamation (MLRR)





FEBRUARY 2018 PROGRESS REPORT: IMPROVEMENTS TO DOGAMI BUSINESS PRACTICES

Issue In March 2015, the Oregon Department of Geology and Mineral Industries (DOGAMI) did not have a clear picture of its financial condition and was facing a budget shortfall. Additionally, under-resourced and out of compliance information technology operations put valuable data holdings at risk.

This report is an update to the SB 5512 (2015) Budget Note report on improvements made to DOGAMI business practices that was provided in the Joint Committee on Ways and Means Subcommittee on Natural Resources in 2016 and 2017. Also included is an update on the progress made subsequent to the December 2015 DOGAMI IT Assessment prepared by Enterprise Technology Solutions on behalf of the Office of the State Chief Information Officer (OSCIO).

Since 2015, improvements made to DOGAMI's business and information technology practices bring the agency in line with standard business practices including pursuit of continuous improvement.

Background In March 2015, DOGAMI identified a need to review the agency's financial condition in order to address uncertainties that included a shortfall in the agency budget. The agency needed to identify and correct the problems that led to the 2015 budget shortfall in order to operate with the accountability and transparency expected of a state agency. An experienced multi-agency team led by the Department of Administrative Services (DAS) performed an independent review of the agency's financial status and business practices and determined multiple changes were needed for the agency to effectively monitor its finances and manage its business. Further examination of the agency's business model was also identified as being necessary to ensure long-term financial and operational stability. The SB 5512 (2015) Budget Note identified six specific actions the agency needed to take in order to improve its financial and business practices. Additionally, DOGAMI has partnered with the OSCIO to address its information technology budget and operations deficiencies.

Audits Two financial audits were conducted in 2016. The Secretary of State, per DOGAMI request, and the Federal Emergency Management Agency (FEMA) conducted an audit on DOGAMI's management of federal funds. The FEMA audit had no findings.

In November 2017, the Secretary of State (SOS) requested information to track the extent to which DOGAMI implemented the SOS audit recommendations. DOGAMI has provided the SOS with documentation that demonstrates the agency has fulfilled all audit recommendations.

2015 Budget Note Action Items

Outlined below are descriptions of Action Items and current status.

Action Item 1: *Reorganize accounting and budget structures, including creating an accounting and budget structure to separate lidar from other organization operations.*

Status: Work Complete.

Future Action: Maintain on-going integrity of financial structure and systems.

Action Item 2: *Address the agency's antiquated accounting systems and procedures and implement modern practices.*

Status: Work Complete. Within this work surety bond reconciliation is complete for funds that belong in the Mined Lands Reclamation Guarantee Fund given the limits of previous record keeping and loss of institutional knowledge. One hundred percent of funds have been accounted for.

Future Action: Maintain modern business practices.

Action Item 3: *Review the agency's current business and organization infrastructure.*

Status: Work Complete. The DAS review team found that insufficient financial and contracts management expertise was a significant factor in the agency's budget uncertainty. The immediate need identified by agency management was to establish the required expertise through position changes. Increasing project staff understanding of new financial structures and practices was also a priority. Additional highlights of work on this action item include:

- To create opportunities to gain hands-on, direct leadership and management/supervisory experience and build long-term capacity within DOGAMI, organizational changes were implemented effective January 2017. Leveraging currently filled positions, DOGAMI's organizational structure was modified to include a Deputy Director (2-year rotation); a Geological Survey and Services (GS&S) Manager (2-year rotation); two GS&S Supervisors (1-year rotations); two lead positions in the MLRR program; and a Chief Information Officer. Leadership/management training and mentoring is ongoing.
- Leadership development continues with a second round of GS&S Supervisor rotations for three positions effective December 1, 2017. See appendix for current organization chart.

Future Action: Leadership development is ongoing to ensure organizational changes are fully

implemented and supported by the agency's business operation practices. DOGAMI is committed to development of leadership knowledge, skills, and abilities at staff, supervisory, and management levels to instill a culture of stewardship and accountability. Expanded institutional knowledge and leadership capacity will facilitate continuity of operations in times of change.

Action Item 4: *Review the agency's core operations, program priorities, and funding sources.*

Status: Work Complete. Selected financial policies and procedures include:

- Allowable, Reasonable, and Allocable Costs (FIN 2017-01)
- Indirect Cost Allocation (FIN 2017-02)
- Conflict of Interest (ADM 2017-05)
- Releasing Reclamation Security – Cash Security (FIN 2016-01)
- Releasing Reclamation Security – Non-Cash Closures and Transfers (FIN 2016-02)
- Deposits – Mineral Land Regulation and Reclamation (FIN 2016-03)
- Deposits – Geological Survey and Services (FIN 2016-04)
- Accounts Payable (FIN 2016-05)
- Federal Draw – ASAP.gov (FIN 2016-06)
- Federal Draws – FEMA PARS (FIN 2016-07)
- Legislature Approval for Federal Grant Application (FIN 2016-08)
- Grant Financial Updates (FIN 2016-09)
- Grant Application (FIN 2016-10)

DOGAMI-specific processes follow DAS policies and procedures for travel, SPOTS, e-payroll review and approval, complaint notification, and accounts receivable.

To help ensure the agency's long-term financial and operational relevance and stability, the agency updated its Key Performance Measures (KPMs) for the 2017-2019 Budget. Changes are intended to ensure KPM outcomes can be directly influenced by DOGAMI's actions and contribute to achieving the goals and objectives of its 2015-2021 Strategic Framework and the Governor's long-term focus areas. Working within the Strategic Framework, the agency is in the process of developing specific near-term priority initiatives in order to make measureable progress on its strategic objectives.

Future Action: The GS&S business model relies heavily on outside funding sources that primarily reflect the priorities of its funding partners, which are not necessarily fully aligned with GS&S priorities. Availability of relevant external funding that is outside the agency's control can make revenue forecasting difficult. However, with the progress made on business practices and DOGAMI's demonstrated ability to successfully compete for federal grant dollars, the agency's current business model has stabilized for the foreseeable future. Should federal

grant dollars decrease in availability, the agency will need to assess other potentially viable funding options.

Action Item 5: *Review the agency's cash flow and application of indirect rates that fund some administrative functions.*

Status: Work Complete.

Future Action: Maintain on-going integrity of systems put in place.

Action Item 6: *Review current fee structures and the level of fee revenue necessary to cover program costs within the Mineral Land Regulation & Reclamation Program.*

Status: Ongoing. Initial analysis of Mineral Land Regulation & Reclamation Program (MLRR) program fees and costs was done in May 2015 to inform development of HB 3563. The bill, which was brought forward by industry, increased mining fees for the first time since 2005. HB 3563 went into effect January 1, 2016 and included an increase in the aggregate base fee and production rate fee; and an increase in application, transfer, and amendment fees.

The agency continues to closely track fee revenue to ensure program costs are covered. However, the MLRR Program fee increase has been insufficient to cover full staffing costs. Initially three vacancies were held open due to insufficient revenue affecting program performance. One Natural Resource Specialist position has been filled, and recruitment will soon be underway for a supervisor position. Pending fee revenue analysis, projections and efficiencies a program fee increase may be recommended for the 2019 Legislative session.

Future Action: The MLRR program is currently undergoing an internal comprehensive review to determine optimal operations, funding, and staffing levels. Additionally, MLRR has partnered with the Watershed Enhancement Board, which has made available technical assistance to support efforts to facilitate continuous improvement.

Program legislative concepts are anticipated for a construction exemption; exclusion certificates; reclamation plan updates; and other technical issues.

A multi-agency public request for information on an online land and permit management system (Customer Relationship Management) is being evaluated to improve the productivity and responsiveness of the MLRR program. This work will set the stage for a potential procurement in the 2019-21 biennium.

Action Item – Information Technology: *Information Technology Assessment and Response*

DOGAMI has substantially completed implementing all of the recommendations of the Office of the State Chief Information Officer December 2015 IT Assessment. This work has resulted in information technology (IT) operations that are based on industry best practices and state policy in the areas of procurement, security, backup, disaster recovery, and IT operations management. DOGAMI staff is collectively doing the work of migrating its remaining file services to the Enterprise Technology Services (ETS) shared services platform. In the current biennium the IT focus is on enhancing the mission of the agency through new services and enhanced capabilities.

Specific Initiatives and Accomplishments in 2017-19:

- DOGAMI's early participation in the DAS/ETS Microsoft Office 365 program allows for enhanced collaboration both inside DOGAMI and with our partner agencies. Initial services are anticipated February 2018.
- In September 2017, a high-availability infrastructure system was implemented for serving geophysical and hazard map products to the public. It reduces downtime and allows for improved performance as more of our partners and the public use these services.
- DOGAMI is actively engaged in a multi-agency work group to implement sharing of DOGAMI's full-resolution lidar data products. Lidar product sharing will save the state money in unnecessary data duplication, will improve the geophysical map products that agencies produce using DOGAMI data, and has been on the wish list of stakeholders for many years. Anticipated Spring 2018.

With DOGAMI's IT improvements, operations are now fully compliant with State of Oregon Enterprise IT standards, financially efficient, and streamlined. Agency IT staff are now primarily tasked with enabling the agency to continue to deliver on its mission and to improve the services that it provides to the public and the State.

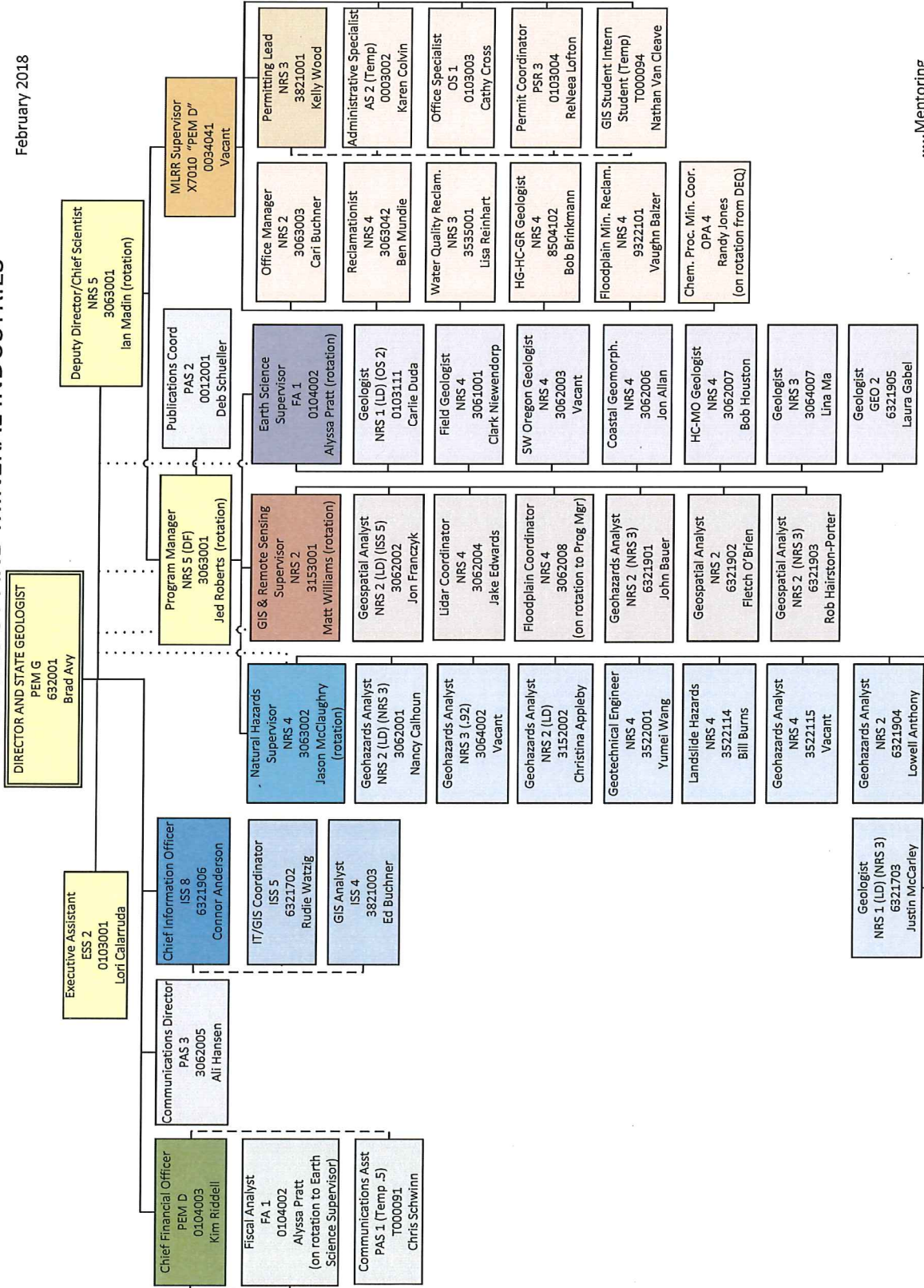
Appendix

2018 DOGAMI Organizational Chart

2016 Secretary of State Audit <http://sos.oregon.gov/audits/Documents/2016-26.pdf>

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

February 2018



.....Mentoring

Staff Report and Memorandum

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

From: Sherry Carter, DAS Human Resources Business Partner

Date: July 10, 2018

Regarding: Agenda Item 10 – Employee Engagement Survey Results

Sherry Carter, with Human Resources, will review the results of the Employee Engagement Survey completed by staff in April.

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Brad Avy, Director

Date: July 10, 2018

Regarding: Agenda Item 12 – Tsunami Line Follow-up Board Discussion

Director Brad Avy will provide a general background overview with Board discussion to follow.

Proposed Board Action: The Board may be asked to take an action on this item.

Staff Report and Memorandum

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

From: Kim Riddell, Chief Financial Officer

Date: July 10, 2018

Regarding: Agenda Item 13 – Financial Report

Attached is the DOGAMI Budget Status Report, as of May 31, 2018 for the Geological Survey and Services (GS&S) Program and the Mineral Land Regulation & Reclamation (MLRR) Program.

Proposed Board Action: The Budget Status Report be Approved/Not Approved as presented.

Department of Geology & Mineral Industries
Budget Status Report: As of May 30, 2018

% of Time Spent
46%

Geological Survey & Services (GS&S) Program

Budget Category / Line Item	2017-19 Budget by Funding Source			2017-19 Actual Revenue & Expenditures			Actual Budget Spent			2017-19 Projected Revenue & Expenditures			2017-19 Actual + Projected Revenue & Expenditures			Actual + Projected Budget Total		
	General Funds	Other Funds	All Funds	General Funds	Other Funds	All Funds	GF	OF	FF	General Funds	Other Funds	All Funds	General Funds	Other Funds	All Funds	GF	OF	FF
Revenue																		
Beginning Balance	-	1,288,080	1,288,080	-	-	-	-	-	1,288,080	-	-	1,288,080	-	-	-	-	-	-
2017-19 Revenue	4,631,168	3,732,066	14,301,149	2,275,189	625,392	1,851,507	2,275,189	625,392	1,973,155	1,673,199	6,002,332	4,631,168	2,598,547	10,754,421	43%	33%	70%	
Total Available Revenue	4,631,168	5,020,146	15,589,229	2,275,189	625,392	1,851,507	2,275,189	625,392	3,261,235	1,673,199	7,290,412	4,631,168	3,886,627	12,042,501	100%	77%	59%	
Expenditures:																		
<i>Personnel Services</i>	3,002,161	1,171,742	6,852,637	1,902,266	381,415	666,327	1,902,266	381,415	1,992,420	585,337	3,163,155	3,894,686	966,753	6,113,164	130%	83%	47%	
<i>Services & Supplies</i>																		
Instate Travel	2,191	77,224	229,934	33,680	3,688	7,888	33,680	3,688	46,320	16,312	79,744	80,000	20,000	125,000				
Out of State Travel	7,177	22,405	35,876	6,606	2,482	2,470	6,606	2,482	13,394	5,018	25,941	20,000	7,500	37,500				
Employee Training	2,569	10,556	21,081	33,719	907	2,322	36,948	907	36,281	1,072	40,097	70,000	1,980	77,045				
Office Expenses	10,575	32,886	44,880	45,843	339	1,088	47,271	339	54,157	401	55,844	100,000	740	103,115				
Telecomm	88,461	227	9,395	45,995	-	-	45,995	-	82,342	-	82,342	128,336	-	128,336				
State Gov't Svc Chg	65,001	104,843	262,494	125,323	-	-	125,323	-	200,677	-	200,677	326,000	-	326,000				
Data Processing	893,490	-	6,499	158,156	-	-	158,156	-	168,162	-	168,162	326,318	-	326,318				
Publicity & Publications	-	4,805	62,036	870	438	80	1,388	438	4,130	518	4,742	196,403	956	174				
Professional Services	6,537	1,573,602	4,337,508	116,403	216,210	967,777	1,300,390	216,210	80,000	660,093	532,223	1,272,316	876,303	1,500,000				
IT Professional Services	-	80,000	-	2,398	-	-	2,398	-	2,834	-	2,834	-	5,231	5,231				
Attorney General	4,826	-	4,826	16,669	7,589	-	24,258	7,589	23,331	8,968	32,299	40,000	16,557	56,557				
Employee Recruitment	268	1,350	1,618	3,403	-	-	3,403	-	6,597	-	6,597	10,000	-	10,000				
Dues & Subscriptions	1,430	922	4,461	140,777	-	-	140,777	-	202,422	-	202,422	343,199	-	343,199				
Facilities Rent	203,312	178,665	437,316	767	-	-	767	-	4,233	-	4,233	5,000	-	5,000				
Fuels & Utilities	-	-	-	694	-	-	694	-	820	-	820	1,514	-	1,514				
Facilities Maintenance	-	-	-	1,120	-	-	1,120	-	1,323	-	1,323	2,443	-	2,443				
Agency Related S & S	-	-	-	199,486	-	-	199,486	-	336,654	-	336,654	336,654	-	336,654				
Intra agency Charges	-	-	-	-	-	-	-	-	-	-	-	199,486	-	199,486				
Other Services & Supplies	239,807	667,215	963,460	199,486	-	175	199,661	-	336,654	-	336,654	199,486	-	249,486				
Undistributed (S&S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Expendable Prop (\$250-\$500)	7,141	18,489	52,971	-	-	-	-	-	-	-	-	-	-	-				
IT Expendable Property	5,982	-	34,604	34,192	-	-	34,192	-	62,950	-	62,950	97,141	-	97,141				
Technical Equipment	-	-	-	670	-	-	670	-	792	-	792	1,462	-	1,462				
Data Processing Hardware	90,240	-	90,240	-	-	-	-	-	90,240	-	90,240	90,240	-	90,240				
Data Processing Hardware	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Other Capital Outlay	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Indirect	-	-	-	(593,847)	123,595	286,397	(183,855)	123,595	(1,082,439)	418,296	393,969	(1,676,287)	541,891	(454,029)				
<i>Total Services & Supplies</i>	1,629,007	2,773,189	7,661,377	372,923	355,249	1,268,196	1,996,369	355,249	335,217	1,110,678	2,450,679	708,141	1,465,927	4,447,047	43%	33%	58%	
Total Expenditures	4,631,168	3,944,931	14,514,014	2,275,189	736,664	1,934,524	4,946,377	736,664	2,327,637	1,696,015	5,613,834	4,602,827	2,432,680	10,560,212	99%	62%	59%	
GS&S Ending Balance	\$ -	\$ 1,075,215	\$ -	\$ -	\$ (111,272)	\$ (83,017)	\$ (194,289)	\$ -	\$ 28,341	\$ 1,565,220	\$ 83,017	\$ 28,341	\$ 1,453,948	\$ -	\$ -	\$ -	\$ -	

Strong Motion Instrument Fund			
	2017-19 Actual Revenue & Other Funds	2017-19 Projected Other Funds	2017-19 Actual + Projected Other Funds
Revenue:			
Beginning Balance	342,130	-	342,130
2017-19 Revenue	65,945	143,880	209,825
Total Available Revenue	408,075	143,880	551,955
Expenditures:			
<i>Personnel Services</i>	237	711	947
<i>Services & Supplies</i>			
Professional Services: U of C	179,413	194,284	373,697
Total Expenditures	179,650	194,995	374,644
SMIF Ending Balance	\$ 228,425	\$ (51,115)	\$ 177,310

Department of Geology & Mineral Industries
Budget Status Report: As of May 30, 2018

% of Time Spent
46%

Mineral Land Regulation & Reclamation (MLRR) Program

Budget Category / Line Item	2017-19 Budget by Funding Source			2017-19 Actual Revenue & Expenditures			Actual Budget Spent			2017-19 Projected Revenue & Expenditures			2017-19 Actual + Projected Revenue & Expenditures			Actual + Projected Budget Total Spent		
	General Funds	Other Funds	Federal Funds	General Funds	Other Funds	Federal Funds	All Funds	GF	OF	FF	General Funds	Other Funds	Federal Funds	All Funds	GF	OF	FF	All Funds
Revenue																		
Beginning Balance	-	370,374	-	-	-	-	-	-	-	-	370,374	-	-	370,374	-	-	-	370,374
2017-19 Revenue	-	2,933,296	-	1,280,258	-	1,280,258	1,280,258	2,377,780	-	2,377,780	-	-	-	3,658,038	-	-	-	3,658,038
Total Available Revenue	-	3,303,670	-	1,280,258	-	1,280,258	1,280,258	2,748,154	-	2,748,154	-	-	-	4,028,412	-	-	-	4,028,412
Expenditures:																		
<i>Personnel Services</i>	-	2,284,030	-	1,001,530	-	1,001,530	1,001,530	1,099,867	-	1,099,867	-	-	-	2,101,397	-	-	-	2,101,397
<i>Services & Supplies</i>	-	66,724	-	18,911	-	18,911	18,911	26,089	-	26,089	-	-	-	45,000	-	-	-	45,000
Instate Travel	-	-	-	4,413	-	4,413	4,413	5,215	-	5,215	-	-	-	9,628	-	-	-	9,628
Out of State Travel	-	-	-	6,751	-	6,751	6,751	3,249	-	3,249	-	-	-	10,000	-	-	-	10,000
Employee Training	-	69	-	9,892	-	9,892	9,892	15,108	-	15,108	-	-	-	25,000	-	-	-	25,000
Office Expenses	-	29,287	-	10,518	-	10,518	10,518	39,482	-	39,482	-	-	-	50,000	-	-	-	50,000
Telecomm	-	79,456	-	-	-	-	-	2,328	-	2,328	-	-	-	2,328	-	-	-	2,328
State Gov't Svc Chg	-	-	-	17,560	-	17,560	17,560	24,198	-	24,198	-	-	-	41,758	-	-	-	41,758
Data Processing	-	76,055	-	703	-	703	703	14,797	-	14,797	-	-	-	15,500	-	-	-	15,500
Publicity & Publications	-	3,464	-	171,206	-	171,206	171,206	202,335	-	202,335	-	-	-	373,541	-	-	-	373,541
Professional Services	-	91,305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT Professional Services	-	52,746	-	86,212	-	86,212	86,212	80,000	-	80,000	-	-	-	166,212	-	-	-	166,212
Attorney General	-	5	-	14,802	-	14,802	14,802	17,494	-	17,494	-	-	-	32,296	-	-	-	32,296
Employee Recruitment	-	575	-	285	-	285	285	337	-	337	-	-	-	622	-	-	-	622
Dues & Subscriptions	-	76,801	-	32,358	-	32,358	32,358	66,042	-	66,042	-	-	-	98,400	-	-	-	98,400
Facilities Rent	-	10,629	-	4,977	-	4,977	4,977	11,023	-	11,023	-	-	-	16,000	-	-	-	16,000
Fuels & Utilities	-	10,595	-	3,266	-	3,266	3,266	3,234	-	3,234	-	-	-	6,500	-	-	-	6,500
Facilities Maintenance	-	-	-	6,846	-	6,846	6,846	8,090	-	8,090	-	-	-	14,936	-	-	-	14,936
Agency Related S & S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intra agency Charges	-	32,839	-	-	-	-	-	10,000	-	10,000	-	-	-	10,000	-	-	-	10,000
Other Services & Supplies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Undistributed (S&S)	-	4,486	-	7,238	-	7,238	7,238	8,554	-	8,554	-	-	-	15,792	-	-	-	15,792
Expendable Prop (\$250-\$500)	-	5,580	-	6,164	-	6,164	6,164	30,198	-	30,198	-	-	-	36,361	-	-	-	36,361
IT Expendable Property	-	-	-	-	-	-	-	15,000	-	15,000	-	-	-	15,000	-	-	-	15,000
Technical Equipment	-	18,282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Processing Hardware	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Processing Hardware	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Capital Outlay	-	-	-	181,656	-	181,656	181,656	270,174	-	270,174	-	-	-	451,830	-	-	-	451,830
Indirect	-	558,898	-	583,757	-	583,757	583,757	852,947	-	852,947	-	-	-	1,436,704	-	-	-	1,436,704
<i>Total Services & Supplies</i>	-	2,842,928	-	1,585,287	-	1,585,287	1,585,287	1,952,814	-	1,952,814	-	-	-	3,538,101	-	-	-	3,538,101
Total Expenditures	-	460,742	-	305,029	-	305,029	305,029	795,340	-	795,340	-	-	-	490,311	-	-	-	490,311
MLRR Ending Balance	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

Reclamation Guarantee Fund	
Beginning 2017-19:	
47 Cash Security's	448,123
2 Security release	(28,860)
6 new Security	109,969
Biennium to date:	
49 Cash Security's	\$ 529,232

Staff Report and Memorandum

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

From: Bob Houston, Legislative Coordinator

Date: July 10, 2018

Regarding: Agenda Item 14 – Legislative Concepts Update

Legislative Coordinator Bob Houston will provide additional Legislative Concepts detail.

Proposed Board Action: The Board may be asked to take an action on this item.

Staff Report and Memorandum

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

From: Kim Riddell, Chief Financial Officer and Bob Houston, Legislative Coordinator

Date: July 10, 2018

Regarding: Agenda Item 15 – Agency Request Budget, Legislative Concepts and Policy Option Packages

Chief Financial Officer Kim Riddell will introduce the draft Agency Request Budget (ARB) with discussion on Legislative Concepts (LCs) and Policy Option Packages (POPs).

Proposed Board Action: The Board may be asked to take an action on this item.

Staff Report and Memorandum

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

From: Randy Jones, Chemical Process Mining Coordinator

Date: July 10, 2018

Regarding: Agenda Item 16 – Calico Update

Chemical Process Mining Coordinator Randy Jones will provide an update on Calico/Grassy Mountain.

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Holly Mercer, Interim MLRR Program Manager

Date: July 10, 2018

Regarding: Agenda Item 17 – MLRR Update

Holly Mercer, Interim MLRR Program Manager, will provide a call-in update on MLRR and report on the following topics:

- 1) Management Transition
- 2) New Permanent Employees:
 - Nick Tatalovich, Aggregate Permitting Reclamationist
 - Sarah Lewis, MLRR Program Manager
 - Cari Buchner, Mining Enforcement Specialist (new role)
 - Becky Johnson, Office Operations Assistant
- 3) Permit Status Summary
- 4) E-Permitting

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Jed Roberts, GS&S Manager

Date: July 10, 2018

Regarding: Agenda Item 18 – GS&S Update

GS&S Manager Jed Roberts will provide an update on GS&S.

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Brad Avy, Director & State Geologist

Date: July 10, 2018

Regarding: Agenda Item 19 – Director’s Report

Director Avy will deliver his report on the following topics:

- 1) Board Appointments
- 2) Organizational Changes
- 3) Succession Planning
- 4) Online Training Requirement – Discrimination and Harassment Free Workplace
- 5) Strategic Planning
- 6) Staff Acknowledgements

Proposed Board Action: The Board will not be asked to take an action on this item.

Staff Report and Memorandum

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

From: Laura Maffei, Board Chair

Date: July 10, 2018

Regarding: Agenda Item 21 – Confirm Time and Date for October Meeting and for Special Call-in Meeting to Finalize Agency Request Budget and Legislative Concepts by July 30, 2018

Currently the next DOGAMI Board meeting is scheduled in Portland for Monday, October 1, 2018.

Proposed Board Action: The Board may be asked to take action on this item by Confirming or Amending the currently scheduled Board meeting date.

The draft Agency Request Budget (ARB) and Legislative Concepts (LCs) need to be approved by July 30, 2018 for submittal August 1, 2018. The Board will be asked to schedule a special call-in meeting ideally for Tuesday, July 24, 2018 or next best alternative.

Proposed Board Action: The Board will be asked to take action on this item by setting a date and time for a special call-in meeting to approve the Agency Request Budget and Legislative Concepts.