



July 29, 2020

Angela McLean

Director of American Indian / Minority Achievement and K-12 Partnerships
Montana University System
2500 E. Broadway Street
P.O. Box 203201
Helena, Montana 59620-3201

Dear Mrs. McLean,

Attached please find the Montana Tech Tribal Relations Report for inclusion in OCHE's report to the Governor's Office. In accordance with the reporting guidelines, the report covers activities from July 1, 2019 to June 30, 2020 with brief project descriptions and pictures provided for Montana Tech's; Seismic monitoring on and around the Flathead Reservation and our Sloan Indigenous Graduate Partnership and Indigenous Mentoring Program.

Respectfully,

A handwritten signature in cursive script that reads "Amy L. Verlanic".

Amy Verlanic
Executive Director
Institute for Educational Opportunities

CC: Steve Gammon, Provost and Vice Chancellor for Academic Affairs
Bev Hartline, Vice Chancellor for Research and Dean of the Graduate School

2020 GOVERNOR'S TRIBAL RELATIONS REPORT – AGENCY NARRATIVE REPORTING FORM
(FOR THE REPORTING PERIOD JULY 1, 2019 - JUNE 30, 2020)

Purpose: The State-Tribal Relations Report features the State's cooperative work with tribes in support of the Governor's vision for greater economic development opportunities, quality health care and education programs, and improving the effectiveness of governmental operations and services.

1. SUBMISSION DATE: 7/2/2020
2. STATE AGENCY/DIVISION/PROGRAM: Montana Bureau of Mines and Geology
3. NARRATIVE COORDINATOR NAME: Michael Stickney PHONE/EMAIL 406-496-4332
mstickney@mtech.edu
4. ACTIVITY NAME (*spell out here, but use acronym or key words for the electronic file name*):
Seismic monitoring on and around the Flathead Reservation.
5. PROGRAM STAFF NAME: Michael Stickney PHONE/EMAIL: 406-496-4332
mstickney@mtech.edu
6. Select Tribe(s) Involved:

<input type="checkbox"/> All	<input type="checkbox"/> Fort Belknap
<input type="checkbox"/> Blackfeet	<input type="checkbox"/> Fort Peck
<input type="checkbox"/> Chippewa Cree	<input type="checkbox"/> Little Shell
<input checked="" type="checkbox"/> Confederated Salish & Kootenai	<input type="checkbox"/> Northern Cheyenne
<input type="checkbox"/> Crow	
7. Please specify when this state-tribal activity started and if it is ongoing or finalized.

<input checked="" type="checkbox"/> Started before FY 2020	<input type="checkbox"/> Started during FY 2020
<input checked="" type="checkbox"/> Ongoing/Long-Term	<input type="checkbox"/> Completed/finalized during FY 2020

In the next sections, please make sure to spell out acronyms and acknowledge the source when the materials (text/data/photographs) were provided by an entity outside of state government.

8. In 1-2 paragraphs, describe the **purpose** of the state-tribal activity, its **significance**, **major accomplishments**, and **overall impact**. Please include a **brief** description of the state program contributing to the activity, timelines, cost and monetary contributions, location, other partners, etc.

The Montana Bureau of Mines and Geology (MBMG) operates the 42-station Montana Regional Seismograph Network. The Confederated Salish and Kootenai Tribes' (CSKT) Safety of Dams Program operates seven of these seismograph stations along with computers used to record and analyze the collected seismic data. The tribal stations were installed in 1995 to monitor seismic activity around the high-hazard dams on the Flathead Reservation. Following significant local earthquakes (magnitude 3.5 or larger), tribal authorities are provided the time, location, and magnitude information. Using this information, tribal authorities determine which dams may require post-earthquake inspections. CSKT purchased the original seismic monitoring equipment and covers maintenance and operational expenses. Through an annual cooperative agreement, the CSKT provides about \$25,000 to MBMG for seismic data analysis, reporting and archival, and equipment repair and operation. The Montana earthquake catalog compiled using these data is included updates of the US Geological Survey's National Seismic Hazard Map, upon which the National Building Code is based.

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9. In 1-2 paragraphs, describe **any new rule, policy or law** related to your program that impact state-tribal relations, Indian people and tribal communities.

N/A

10. If available, provide **noteworthy data** regarding the impact of your program on tribal communities, such as the number of American Indian people served, jobs created in Indian Country, leveraged funds stimulating economic development, etc.

N/A

11. Are there **photographs** to support the narrative? () Yes (X) No

Please submit photographs in JPEG format, in high resolution (300 DPI). Please provide below the file name, caption and credit for each photograph.

Photo File Name:

Photo Caption (include the name of the event/persons, location, and date):

Photo Credit:

12. Do you have any **suggestions** on how to improve the Governor's Tribal Relations Report?

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Purpose: The State-Tribal Relations Report features the State’s cooperative work with tribes in support of the Governor’s vision for greater economic development opportunities, quality health care and education programs, and improving the effectiveness of governmental operations and services.

1. SUBMISSION DATE: July 13, 2020
2. STATE AGENCY/DIVISION/PROGRAM: Montana Technological University Graduate School
3. NARRATIVE COORDINATOR NAME: Bev Hartline PHONE/EMAIL bhartline@mtech.edu
4. ACTIVITY NAME *(spell out here, but use acronym or key words for the electronic file name)*: Sloan Indigenous Graduate Partnership and Indigenous Mentoring Program
5. PROGRAM STAFF NAME:Bev Hartline & Victoria Pagan PHONE/EMAIL: 406-496-4102
6. Select Tribe(s) Involved:

<input checked="" type="checkbox"/> All	<input type="checkbox"/> Fort Belknap
<input type="checkbox"/> Blackfeet	<input type="checkbox"/> Fort Peck
<input type="checkbox"/> Chippewa Cree	<input type="checkbox"/> Little Shell
<input type="checkbox"/> Confederated Salish & Kootenai	<input type="checkbox"/> Northern Cheyenne
<input type="checkbox"/> Crow	
7. Please specify when this state-tribal activity started and if it is ongoing or finalized.

<input checked="" type="checkbox"/> Started before FY 2020	<input type="checkbox"/> Started during FY 2020
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8. In 1-2 paragraphs, describe the **purpose** of the state-tribal activity, its **significance, major accomplishments, and overall impact**. Please include a **brief** description of the state program contributing to the activity, timelines, cost and monetary contributions, location, other partners, etc.

Montana Tech’s Graduate School participates in and contributes to efforts to increase the participation and graduation of American Indian students with master’s and doctoral degrees. These efforts include the Sloan Indigenous Graduate Partnership (SIGP) and the PNW COSMOS (Pacific Northwest Circle of Success Mentoring Opportunities in STEM) Alliance for Graduate Education. SIGP provides financial support, mentoring, and networking to American Indian students in STEM (science, technology, engineering, or math) on-campus, research-based master’s and PhD programs. Montana Tech, MSU, and UM participate, along with Purdue, University of Arizona, University of Alaska (Anchorage and Fairbanks), and the SUNY College of Environmental Science & Forestry. The National Science Foundation-funded PNW COSMOS involves Tech, UM, MSU, Washington State University, Salish Kootenai College, Heritage University (Washington), and Northwest Indian College and it developed an indigenous mentoring program that has been adopted, adapted, and institutionalized at Montana Tech during the past Fiscal Year.

Montana Tech has been a partner in SIGP for over 10 years, and typically enrolls one to four students. Its purpose is to increase the participation of American Indians and Alaska Natives in

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STEM graduate study through welcoming and supportive campus environments that cater to the needs of indigenous students and their families. Over 80% of the students complete their degrees, and we actively invite and host visits by prospective students (see photo). PNW COSMOS has provided face-to-face and video-conferenced live indigenous mentoring program (IMP) workshops for Tech faculty and staff and it has assembled resources, now available through Moodle, for self-paced participation by any faculty or staff member into the future. The IMP was developed and guided by American Indians.

9. In 1-2 paragraphs, describe **any new rule, policy or law** related to your program that impact state-tribal relations, Indian people and tribal communities.

N/A

10. If available, provide **noteworthy data** regarding the impact of your program on tribal communities, such as the number of American Indian people served, jobs created in Indian Country, leveraged funds stimulating economic development, etc.

Many American Indian graduates from Montana Tech Master's programs work in their or other tribal communities or for the BIA, having a significant positive impact (economic and in other ways) in Indian Country. This impact is not possible to quantify reliably.

11. Are there **photographs** to support the narrative? () Yes (x) No
Please submit photographs in JPEG format, in high resolution (300 DPI). Please provide below the file name, caption and credit for each photograph.

12. Do you have any **suggestions** on how to improve the Governor's Tribal Relations Report?

How can it be most useful to the Governor and the Tribes?