

Research & Technology Transfer Report

Board of Regents Meeting, March 2009

Under Policy 401 of the Board of Regents, The University of Montana – Missoula and Montana State University – Bozeman are required to meet the following reporting elements:

Federal Initiatives Report. Targeted federal initiative funds (commonly referred to as “earmarks”) are funds included in federal appropriations requested by members of Congress to fund specific projects or programs. To keep the regents informed of these funding requests, UM-Missoula and MSU-Bozeman, as representatives of the affiliated campuses, shall coordinate requests for federal initiatives for their affiliated campuses and shall each submit to the Commissioner of Higher Education a report of the requests for any non-competitive federal funds which the units anticipate submitting to Montana’s congressional delegation for inclusion in the federal budget. The report will be submitted before the January board meeting unless otherwise scheduled by the board.

Reports Annually, at the September regents’ meeting, UM-Missoula and MSU-Bozeman, as representatives of the affiliated campuses, shall submit to the Commissioner of Higher Education a report summarizing the research and technology transfer activities for the previous fiscal year. The report shall contain, at a minimum, the following data for the previous fiscal year:

1. All expenditures from grants and contracts managed by the respective research administrative offices;
2. Number of new invention disclosures filed;
3. Number of new start-up companies which have licensed or commercialized university-developed intellectual property;
4. Number of new intellectual property licenses issued;
5. Total intellectual property licenses in effect at the close of the fiscal year;
6. Total gross revenues from intellectual property licenses; and
7. Assessment of progress toward meeting the goals pertaining to technology transfer outlined in the campus strategic plans.

Montana State University – Research and Technology Transfer Report – Board of Regents Meeting-March 2009

Montana State University - Federal Initiative requests for FY2010

1.	<u>Agriculture</u>	<u>Campus</u>	<u>Request</u>
	<u>Continuation Requests:</u>		
	• Animal Biosciences Research Facility	Bozeman	\$16,000,000
	• Brucellosis Vaccines for Livestock and Bison	Bozeman	\$ 500,000
	<u>Partnerships:</u>		
	• Integrated and Biochemically-based Management of Wheat Stem Sawfly	Bozeman	\$ 600,000
	• Sustainable Beef: Integrated Total Quality Management for Beef Production	Bozeman	\$ 1,000,000
	• Barley for Rural Development	Bozeman	\$ 600,000
	• Targeted Grazing for Managing Invasive Plants	Bozeman	\$ 500,000
2.	<u>Commerce, Justice and Science</u>		
	<u>Continuation Requests:</u>		
	• Academic & Workforce Development Program at the Montana Women’s Prison	Billings	\$ 350,000
	• Technology Based Economic Development Center	Bozeman	\$ 5,000,000
3.	<u>Defense</u>		
	<u>Continuation Requests:</u>		
	• MilTech Extension — Transitioning Innovative Technology to the US Military	Bozeman	\$ 2,000,000
	• Adjuvants that Enhance Natural Resistance Against Mucosal Pathogens	Bozeman	\$ 2,000,000
	<u>New Requests:</u>		
	• Dual-Use Optical Sensors for Advanced Military Applications	Bozeman	\$ 1,600,000
	• UAV Electric Propulsion, Control, and Power Electronics Research	Bozeman	\$ 2,500,000
4.	<u>Energy and Water</u>		
	<u>Continuations Requests:</u>		
	• Center for Zero Emissions Research and Technology (ZERT)	Bozeman	\$10,000,000
	• High Temperature Electrochemistry Center	Bozeman	\$ 5,000,000
	<u>New Requests:</u>		
	• Montana Algal BioDiesel	Bozeman	\$ 500,000
	• Wind Turbine Development	Bozeman/ Northern	\$ 1,000,000
5.	<u>Financial Services</u>		
	<u>New Requests (SBA):</u>		
	• Montana HTAP: High-Technology Assistance Program for Micro and Nano-Technologies	Bozeman	\$ 1,000,000
6.	<u>Interior and Environment</u>		
	<u>Continuation Requests:</u>		
	• Chronic Wasting Disease	Bozeman	\$ 500,000
	• Working Lands Stewardship	Bozeman	\$ 1,000,000
	<u>New Requests:</u>		
	• Airborne Optical Detection of Invasive Species at Yellowstone Lake	Bozeman	\$ 1,500,000
	<u>Continuation Request (EPA):</u>		
	• Technical Assistance Center for Small Water Systems	Bozeman	\$ 500,000

Montana State University - Federal Initiative requests for FY2010 (cont.)

7. **Labor-Health & Human Services - Education**

Continuation Requests:

- Energy Workforce Training Center Billings \$ 650,000
- Health Care Pathways Billings \$ 350,000
- Skilled Trades and Technology Training Billings \$ 350,000

New Requests:

- Montana Green: A Renewable Resource Energy Center Billings \$ 300,000

8. **Transportation and HUD**

New Requests (Transportation):

- Corrosion Research and Education Transportation Test-bed (CRET) Bozeman \$ 800,000
- Western States Road Ecology Initiative Bozeman \$ 1,000,000
- Federal Aviation Administrative/Center of Excellence for General Rural Aviation Bozeman \$ 1,000,000

Montana State University – Technology Transfer information

Data Elements for MUS Policy	FY 2006	FY 2007	FY 2008
R&D Expenditures	\$103,048,865	\$102,116,323	\$96,150,553
Number of new invention disclosures filed	32	30	22
Number of new start-up companies which have licensed or commercialized university-developed intellectual property	5	1	2
Number of new intellectual property licenses issued	29	35	43
Total intellectual property licenses in effect at the close of the fiscal year	109	130	152
Total gross revenues from intellectual property licenses	\$219,931	\$257,621	\$664,244

Data Elements for Strategic Plan	FY 2006	FY 2007	FY 2008
Patents Issued	2	7	8 patents, 3 trademarks
Active Licenses (Total)	109	130	152
Active Licenses (MT Companies)	68	81	89
Percent Licenses w/ MT Companies	62%	62%	59%
License/Patent Revenues	\$49,949	\$69,165	\$221,614
Reimbursed Patent Costs from Licenses	\$169,982	\$138,562	\$442,630