Why is this project important?

The research to be conducted within the new Animal BioSciences Facility could add $40 million per year to Montana's cattle industry ($50/head of added value x 800,000 heifer and steer calves marketed in 2003).

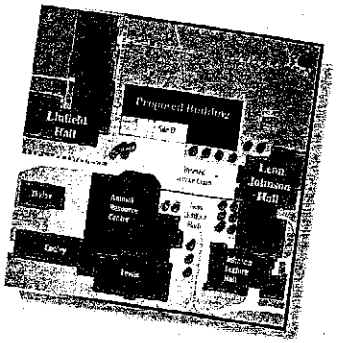
Using the same calculation of $50/head of added value would contribute an additional $1.4 billion per year to the United States cattle industry.

In addition, the research programs associated with the new USDA-ARS/MSU partnership will create 48 new, full-time, on-campus jobs:

- 12 scientists (7 ARS and 5 MSU), plus
- 36 support staff

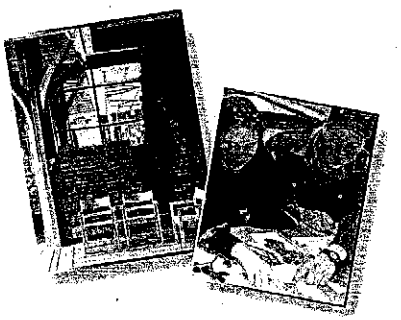
Fully funded, the projected federally appropriated ARS support funds will be about $2.5 million per year on a continuing basis. These dollars are a direct annual infusion into Montana's economy. Likewise, the state will benefit directly from the construction of the $30M facility. Funding plans currently include

- $21.5 million of federally funded USDA–ARS funds;
- $3 million from the MSU Foundation; and
- $5.5 million from private and industry contributions.



Here's your opportunity to help:

- Build our reputation as a regional and national leader in beef cattle genomics
- Attract and retain top MSU students and faculty
- Research genetic technologies that support Montana's commercial and seed stock producers
- Enhance the educational capacities of the College of Agriculture
- Create jobs, value-added products and economic development opportunities in Montana
- Support our rich agricultural heritage, while competing in the 21st Century



For more information, contact the MSU College of Agriculture

406.994.3681 | agdean@montana.edu

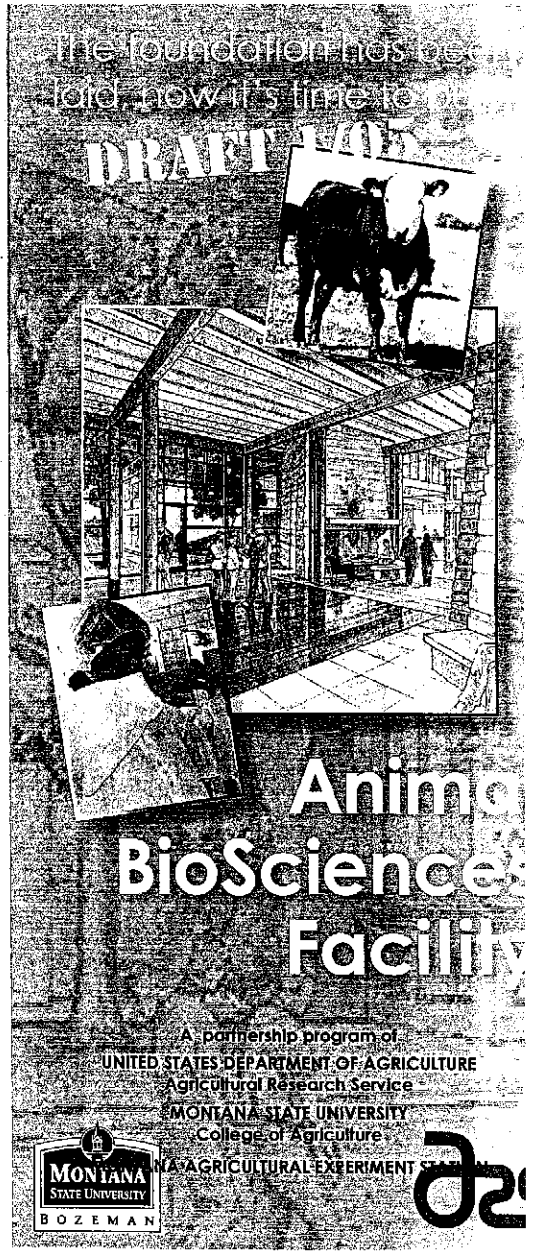


Exhibit 3
Date 1-31-05
HB 5

About the USDA-ARS Beef Cattle Functional Genomics Research Initiative for Montana/Nebraska

Due to our excellence in research and our strong tradition in agriculture, Montana State University has been chosen as a major partner in the USDA's new multi-million-dollar Beef Cattle Functional Genomics Research Initiative.

In addition to benefits of the USDA-ARS/MSU partnership, this project will put MSU, its College of Agriculture and the Montana Agricultural Experiment Station on the current and future map for applied, integrated range-livestock education, research and outreach.

Why Montana?

- Montana is a national leader in seed stock production.
- Montana State University is well-known as a leader in genomics research, and recently received over $20 million from the National Institute of Health to identify genes and their functions that contribute to disease susceptibility.
- We have outstanding support and cooperation from the beef industry.
- Our Line 1 Herefords from the Miles City USDA-Agricultural Research Service Facility are part of the Bovine Genome Sequencing Project being conducted at the Baylor College of Medicine in Texas. There, scientists are mapping the bovine gene sequence to serve as a tool for agricultural researchers striving to improve health and disease management of cattle and enhance the nutritional value of beef and dairy products.
- And we have access to this Miles City cow herd, as well as two other outstanding lines at the Bair Ranch near Martinsdale, Mont., and in Clay Center, Neb.—10,000 head in all.

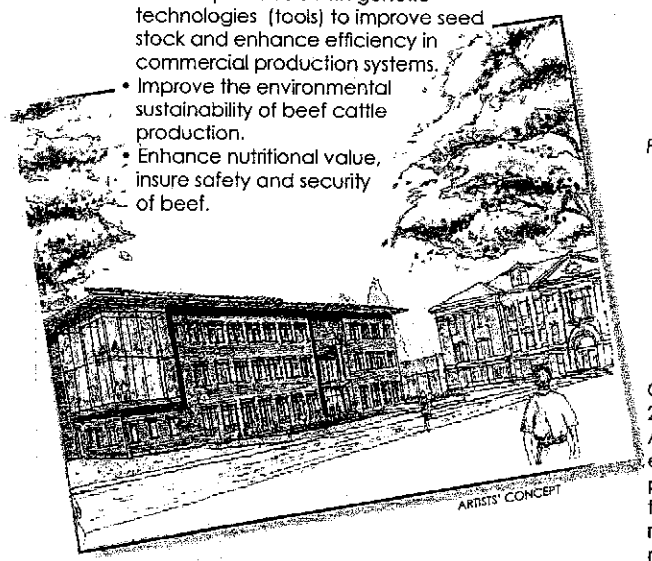
VISION

An integrated partnership that uses the bovine gene sequence to:

- Identify ways to improve economic production efficiency.
- Improve environmental sustainability.
- Produce safe, high quality, and consistent beef products for consumers.

MISSION

- Provide producers with genetic technologies (tools) to improve seed stock and enhance efficiency in commercial production systems.
- Improve the environmental sustainability of beef cattle production.
- Enhance nutritional value, insure safety and security of beef.



What next?

To house the USDA Agricultural Research Service research facilities and staff to conduct this project, the Montana State University College of Agriculture and USDA-ARS will cooperate to build a $30 million 62,000 square-foot facility on the MSU campus.

The building will include:

- Flexible, high-tech, specialized classrooms for MSU students.
- Multi-purpose, high-tech facilities for outreach education.
- State-of-the-art multi-user research facilities.

And it will offer:

- Improved educational opportunities for enrolled MSU students as well as off-campus learners.
- New opportunities for increased grant funding and academic-industry partnerships.
- Increased competitiveness of Montana's livestock industry.

Plus opportunities to:

- Promote wise multiple-use stewardship of Montana's natural resources.
- Celebrate Montana's rich heritage in livestock and natural resources.

Isn't it time Montana's livestock industry was recognized nationally and internationally for our excellence?

Congress approved $2M for planning money in 2005 to begin the planning process for the USDA-ARS project. Planning for the new facility begins early in 2005. As of the end of 2004, $4.5 million private and MSU Foundation grants or pledges for the MSU portion of the building have been raised. Major donors to the project will receive recognition in this facility.

DATE 1/31/05
HB

EXHIBIT 3
DATE 1/31/05
HB 5