Conversation with Provost Wilcox

February 22, 2011
Two Components

• Research Planning
• Preliminary Budget Planning
Research Planning
MSU Financial Data
Grants Received

Dollars in Thousands

$262,413,915

Growth of 89% over period, approximately 7.3% annually

$495,474,000

Source: MSU Contracts and Grants
MSU Financial Data
Total Grants Received

2000-01 Distribution

- Federal $136,202 (52%)
- MSU Foundation and U Dev $57,801 (22%)
- Other $15,614 (6%)
- Association $2,848 (1%)
- Industry $7,992 (3%)
- State $36,376 (14%)
- Private Foundation $5,583 (2%)

2009-10 Distribution

- Federal $282,549 (57%)
- MSU Foundation and U Dev $82,499 (17%)
- Other $21,888 (4%)
- ARRA $45,432 (9%)
- Industry $17,053 (3%)
- State $15,706 (4%)
- Private Foundation $24,270 (5%)
- Association $5,650 (1%)

Dollars in Thousands
Source: MSU Contracts and Grants
MSU Financial Data
Principal Federal Sponsors

2000-01 Distribution

- NIH, $29,520,610, 30%
- USDA, $16,293,406, 16%
- DOE, $7,124,155, 7%
- NSF, $40,079,264, 40%
- Dept of Ed, $7,332,807, 7%

2009-10 Distribution

- NIH, $47,309,220, 19%
- USDA, $45,365,334, 18%
- DOE, $34,350,565, 14%
- NSF, $79,576,219, 31%
- Dept of Ed, $46,714,549, 18%

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## MSU Financial Data - Big Ten Comparison

### Research Expenditures

<table>
<thead>
<tr>
<th>Institution</th>
<th>2004</th>
<th>2009</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>$526,270</td>
<td>$740,980</td>
<td>41%</td>
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<tr>
<td>OSU</td>
<td>$518,088</td>
<td>$716,461</td>
<td>38%</td>
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<tr>
<td>U of M</td>
<td>$769,126</td>
<td>$1,007,198</td>
<td>31%</td>
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<tr>
<td>PSU</td>
<td>$600,139</td>
<td>$753,358</td>
<td>26%</td>
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<tr>
<td>Wisconsin</td>
<td>$763,875</td>
<td>$952,119</td>
<td>25%</td>
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<tr>
<td>Purdue</td>
<td>$365,779</td>
<td>$453,799</td>
<td>24%</td>
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<tr>
<td>Indiana</td>
<td>$384,168</td>
<td>$440,815</td>
<td>15%</td>
</tr>
<tr>
<td><strong>MSU</strong></td>
<td><strong>$325,438 (9th)</strong></td>
<td><strong>$373,184 (9th)</strong></td>
<td><strong>15% (8th)</strong></td>
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<tr>
<td>Illinois</td>
<td>$506,041</td>
<td>$563,710</td>
<td>11%</td>
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<tr>
<td>Iowa</td>
<td>$312,914</td>
<td>$329,901</td>
<td>5%</td>
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</tbody>
</table>

Dollars in Thousands
Source: NSF Survey
Survey Sub-Themes 2005-2010

**Education**
- $45 Mil
  - Activity Patterns
  - Diet
  - Gender

**Food**
- $108 Mil
  - Capacity Building
    - Human Organization
    - Policies & Institutions
  - Poverty Reduction & Nutrition Improvement
    - Value Chain Development
    - Education
    - Economic Development
  - Social/Human Dimensions
    - Policies & Institutions
    - Attitudes
    - Behavior
    - Ethics
    - Values
    - Gender
  - Food Safety & Quality
    - Public/Private Standards
    - Training
    - Economic Development
    - Nutrition
    - Public Health
  - Health Behavior
    - Activity Patterns
    - Diet
    - Gender
  - Pandemic/ Zoonotic Diseases
    - Insect Borne
    - Malaria
    - Dengue Fever
    - Zoonotic
  - Programmatic Assessment, Evaluation & Development
    - Higher Ed Admin
    - Monitoring & Evaluation
  - Placemaking
    - Land Use Standards
    - Policies
    - Cities/Regions
    - Knowledge Economy
    - Energy
  - Micronutrients
    - Agronomic & Genetic Bio-fortification
  - Nutraceuticals
    - Pharmaceuticals
    - Functional Foods
    - Medical Foods
  - Environment & Sustainability
    - $31 Mil
    - Ecosystems
      - Biodiversity
      - Invasive Species
      - Agriculture
      - Intensification
    - Resources
      - Air
      - Land
      - Water
      - Markets
      - Regulation
    - Bioeconomy
      - Technological Advancement & Discovery
      - Renewable Energy
      - Biobased Products
  - Environment
    - Natural Resource
    - Conservation & Management
    - Climate Change
    - Land Use
    - Water Use

**Environment**
- $23 Mil
  - Health & Nutrition
    - $23 Mil
    - Pandemic/
    - Zoonotic Diseases
    - Insect Borne
    - Malaria
    - Dengue Fever
    - Zoonotic
    - Micronutrients
      - Agronomic & Genetic Bio-fortification
    - Nutraceuticals
      - Pharmaceuticals
      - Functional Foods
      - Medical Foods

Source: ISP Deans 2010 survey, MSU Contracts & Grants, OIRC Analysis
Funded MSU International Projects, 2005-2010

Funding by MAU ($ mil)

<table>
<thead>
<tr>
<th>MAU</th>
<th>Amount ($ mil)</th>
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<tr>
<td>CANR</td>
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<tr>
<td>MAES</td>
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<td>CoE</td>
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<td>CAS</td>
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<tr>
<td>MSUE</td>
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<tr>
<td>Other</td>
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<tr>
<td>Other *</td>
<td>2.2</td>
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<td>Total</td>
<td>210</td>
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* Other MAU’s

Source: MSU Contracts and Grants, OIRC Analysis
Major Government Funding Agencies and Foundations*
FY 2011 Projections

* Bill and Melinda Gates Foundation

Note: The status of the US federal budget is uncertain at this juncture. The numbers do, however, represent the most up-to-date insight into proposed funding trends.

Source: US Congressional Budget Justification, OIRC Analysis
Preliminary Budget Planning
Governor’s Budget Recommendation

- Most significant set of tax and expenditure changes in generations, additional detail provided as it becomes available

- Governor’s budget for 2011-12 recommends a 15% reduction for Michigan institutions, including MSU

- Governor further proposes $83 million for public institutions which constrain tuition growth in 2011-12 at a rate less than the five-year system average (approx 7%); meeting this target assures reduction limited to 15%

- Recommends consolidation of MABR and MSUE appropriation lines and proposes reductions of 15% in state support

- Consolidation of the remaining $51.5M of state-supported financial aid into a single Pathway to Higher Education program

- Recommended state reductions for higher education are generally within MSU planning parameters developed over the past two years
Preliminary 2011-12 Budget Preparation

FACULTY SALARIES -- 2.0%  UTILITIES -- 5.0%  OTHERS PER CONTRACT
S&S -- 2.0%  FINANCIAL AID -- 10.0%  HEALTH CARE -- 5.0%

With current expenditure and appropriation projections approximately $47M is necessary to balance the 2011-12 budget

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<th>Tuition Target</th>
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<td>-1.0%</td>
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<td>Percentage Equivalent</td>
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<td>1% Appropriations</td>
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<td>1% Faculty Salaries</td>
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Clicker Questions