Sponsored Program Summary
FY14

October 3, 2014

Dave Reed
Vice President for Research
Outline

• Sponsored Awards, FY14
• Research Expenditures, FY14
• Intellectual Property/Commercialization, FY14
• Corporate Sponsorship, FY14
• Great Lakes Research Center Update
Federal Research Funding, FY1976 – FY2015
FY14 Sponsored Program Awards

[Graph showing sponsored program awards from 1994 to 2016 with categories for Total, Total - Gifts, Federal, and Federal + ARRA.]

- Total: + 4%
- Federal: - 9%
## Sponsored Awards, FY14

<table>
<thead>
<tr>
<th>Sponsor Category</th>
<th>FY14</th>
<th>FY13</th>
<th>% +/-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$31,945,957</td>
<td>$35,144,558</td>
<td>-9%</td>
</tr>
<tr>
<td>Other Sponsored</td>
<td>$12,900,248</td>
<td>$7,846,484</td>
<td>+64%</td>
</tr>
<tr>
<td>Gifts</td>
<td>$3,324,927</td>
<td>$4,993,501</td>
<td>-33%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$48,162,964</td>
<td>$48,016,845</td>
<td>+0%</td>
</tr>
</tbody>
</table>
Sponsored Awards, FY14

• Federal funding percentage has declined to 66% of awarded funds in FY14 as compared to 73% in FY13 and FY12, and 83% in FY11 and FY10.

• During FY14, 67% of the tenured and tenure track faculty were Principal Investigator or co-PI on a submitted proposal.
Research Expenditures, FY14

- $68.5 MM
- 3.1%
Research Expenditures, FY14

• Preliminary research expenditures declined by 3.1% from FY13, to a total of $68,525,862.
• This seems to indicate a lagged response to the declines in Sponsored Awards in previous years after ARRA and reflects the national decrease of about 12% in federal research spending. It also includes some reductions in Internal Expenditures due to reclassifications.
Research Expenditures, FY14

• On June 30, 2014, 56% of the tenured and tenure track faculty were Principal Investigator or co-PI on an active project.
## Intellectual Property, FY14

<table>
<thead>
<tr>
<th></th>
<th>FY14</th>
<th>FY13</th>
<th>% +/-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclosures</td>
<td>45</td>
<td>51</td>
<td>-12%</td>
</tr>
<tr>
<td>NDAs</td>
<td>96</td>
<td>111</td>
<td>-14%</td>
</tr>
<tr>
<td>Patents Issued/Filed</td>
<td>23</td>
<td>27</td>
<td>-15%</td>
</tr>
<tr>
<td>License Agreements</td>
<td>15</td>
<td>26</td>
<td>-42%</td>
</tr>
<tr>
<td>Royalty/Option</td>
<td>$262,424</td>
<td>$193,985</td>
<td>+35%</td>
</tr>
</tbody>
</table>
Corporate Sponsorship FY14

Sponsored Awards
-Industry-
COMBINED*
Fiscal Year 2014
4th Quarter
Ended June 30, 2014

TOTAL: $11,893,736
Great Lakes Research Center Update
GLRC Update

- GLRC Building opened April, 2012
- Strategic Faculty Hiring Initiative
- GLRC formally recognized as a Michigan Tech Research Institute in early 2013
- Existing Center for Water and Society [CWS] affiliated with GLRC in 2013
GLRC Update

• In FY12, when the GLRC building was opened, CWS had $567,777 in sponsored awards.

• In FY13, GLRC had $1,200,618 in sponsored awards, including $491,772 from CWS.

• In FY14, GLRC had $3,602,909 in sponsored awards, including $1,759,994 from CWS.
GLRC Update

- At the end of FY14, GLRC and CWS had 30 active projects, with principal investigators from 6 different Michigan Tech units and co-investigators from 10 different Michigan Tech units.
- There were direct active projects from four federal agencies: NASA, NSF, Defense, and EPA.
- There were collaborative projects with University of Michigan, MIT, Penn State, Univ. New Hampshire, Ohio State, and Univ. Maryland.
- In addition three companies and several local agencies were sponsoring projects.
GLRC Update
GLRC Update
GLRC Update
GLRC Update

- Lake Michigan & Huron: 1-2 km/grid cell
- Les Cheneaux islands region: 50-100 m/grid cell
GLRC Update

Acoustic Doppler Current Profiler
Ice measuring AWAC
Alliance for Coastal Technologies Partner Institutions

Arctic
UNIVERSITY OF ALASKA FAIRBANKS

Great Lakes
Michigan Tech
Great Lakes Research Center
CILER

Atlantic
University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE
Chesapeake Biological Laboratory

Pacific
Moss Landing Marine Laboratories

Tropical
soest
university of hawai‘i

Gulf
USF
UNIVERSITY OF SOUTH FLORIDA
COLLEGE OF MARINE SCIENCE
GLRC Update

- Michigan Tech GLRC is now the ‘cold seas’ testing university in the Alliance for Coastal Technologies.

“ACT partners include academic research institutions with coastal and ocean science and technology expertise, and that represent a broad range of environmental conditions for instrument testing. The Partner institutions help identify technologies to be evaluated and themes for workshops, and carry out these activities regionally. They are also responsible for conducting regional outreach activities and serve as information conduits to the broader community.”

- 2014 – Under ice dissolved oxygen sensor testing with 10 manufacturers.
GLRC Update