An Overview of National Institute of Food and Agriculture (NIFA) and Institute of Youth, Family, and Community

Muquarrabb A. Qureshi

FALCON, 10-29-2012
WHO AM I?

Academics: DVM, M.Sc., Ph.D. (Immunogenetics)

LGU: Cornell: 1981 – 85
Professor: Immunology & Poultry Science
Director: Physiology & Poultry Science
Asso. Dean: Graduate School

USDA:
2003: NPL – Genetics
2008: Director - Animal Systems
2012: Assistant Director IYFC
Background

• 2008 Farm Bill established the creation of NIFA

• NIFA’s new structure fully implemented in 2010
  – 4 Institutes and a Center for International Programs
Institute of Youth, Family, & Community

Assistant Director: Muquarrab Qureshi

- Division of Youth and 4-H
  - Lauxman

- Division of Community and Education
  - Smith (Acting)

- Division of Family and Consumer Sciences
  - Crocoll

TRIBAL PROGRAMS PORTFOLIO
INSTITUTE OF YOUTH, FAMILY, AND COMMUNITY

TEAM

Timothy Grosser
Jill Lee
Joanne Brosh
Rhiannon Elms
Some IYFC Statistics

• 55 Program Staff
• ~30 Legislative Authority Programs
• Competitive, Formula, non-Competitive
• Our partners reported ~$350M against 13 Knowledge Areas
LAND GRANT FAMILY

1862s
1890s
1994s

ANNH, Insular Areas

HSIs – HSACU

NARRUs
FUNDING Mechanisms

President’s Budget

Formula + Targeted Programs + AFRI

Ave: ~$750 M + Ave: $244 M

Request: ~$1.3 B
### AFRI Total Investment and Planned Funding by Area (in millions)

<table>
<thead>
<tr>
<th>Foundational Program</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Health and Production and Plant Products</td>
<td>$17.3</td>
<td>$10.7</td>
<td>$28.9</td>
<td>$19</td>
</tr>
<tr>
<td>Animal Health and Production and Animal Products</td>
<td>$18.8</td>
<td>$12.8</td>
<td>$34.4</td>
<td>$22</td>
</tr>
<tr>
<td>Food Safety, Nutrition, and Health</td>
<td>$8.9</td>
<td>$9.9</td>
<td>$8.8</td>
<td>$9.2</td>
</tr>
<tr>
<td>Renewable Energy, Natural Resources, and Environment</td>
<td>$9.4</td>
<td>$6.2</td>
<td>$10.4</td>
<td>$8.7</td>
</tr>
<tr>
<td>Agriculture Systems and Technology</td>
<td>$6.9</td>
<td>$5.4</td>
<td>$7.6</td>
<td>$6.6</td>
</tr>
<tr>
<td>Agriculture Economics and Rural Communities</td>
<td>$10.8</td>
<td>$11.8</td>
<td>$9.6</td>
<td>$10.7</td>
</tr>
<tr>
<td>Foundational Program Total</td>
<td>$72.1</td>
<td>$56.8</td>
<td>$99.7</td>
<td>$76.2</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Challenge Areas</th>
<th></th>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Childhood Obesity Prevention</td>
<td>$24.4</td>
<td>$60.2</td>
<td>$21.9</td>
<td>$35.5</td>
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<tr>
<td>Climate Variability and Change</td>
<td>$57.9</td>
<td>$14.1</td>
<td>$45.9</td>
<td>$39.3</td>
</tr>
<tr>
<td>Food Security</td>
<td>$17.9</td>
<td>$18.9</td>
<td>$33.6</td>
<td>$23.5</td>
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<tr>
<td>Food Safety</td>
<td>$19.5</td>
<td>$24.5</td>
<td>$20</td>
<td>$21.3</td>
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<tr>
<td>Sustainable Bioenergy</td>
<td>$43.6</td>
<td>$63.5</td>
<td>$15.4</td>
<td>$40.9</td>
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<tr>
<td>NIFA Fellowships Grant Program</td>
<td>$6.5</td>
<td>$6.1</td>
<td>$6.1</td>
<td>$6.2</td>
</tr>
<tr>
<td>FY Total Invested/Planned</td>
<td>$241.8</td>
<td>$244.1</td>
<td>$242.7</td>
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</table>
Tribal Programs Portfolio Conversation!

Question #1: What have we accomplished in the last 17 years?
RECORD IS very IMPRESSIVE

TC Research, Equity, Extension and Endowment Awards

121 Awards = $14.1M in FY 2012

NIFA Grant Programs

Rural Health & Safety Education

Beginning Farmers & Ranchers

Agriculture Risk Management ($1.1M)

COLLABORATIONS

1862: FRTEP 36 Proposals ($6M)

1862s + 1890s: $5.3M

Examples: AFRI Bioenergy, Food Security, Fellowships

Small Business Grants

Teaching Awards
CHALLENGE

How can 1994s become more competitive?

How can 1994s build better partnerships?

What should NIFA be doing to better position your institutions, your faculty, and your students to grow a better future for Indian country?
GOAL 6. Education and Science Literacy

Strengthen the science capacity at minority-serving institutions—including 1890 Land Grant Universities, the 1994 Tribal Colleges and Universities, and Hispanic-Serving Institutions (HSIs).
Question # 2:

Vision is a nightmare unless we have a business plan

So, What ought to be our business plan? Logic Model?
NIFA’s Vision & Business Plan!

NIFA is Outcome Driven

Discovery  →  Translation  →  Land Grant Mission  →  Innovation  →  Solution

A Package Deal !!!!!
Recipe for finding Solutions

Technology

Sociology

EXTENSION

TRADITIONAL ECOLOGICAL KNOWLEDGE

Geography/Location, Community

investment

HCD

STEM / SAFE
1994s are UNIQUELY POSITIONED

To become Centers and Repositories of a unique & valuable national resource: **Traditional Ecological Knowledge**, BECAUSE;

Steve Dahlberg – White Earth Tribal & Community College – His passion for the natural sciences and his respect for the ecosystems and culture of the reservations inspire students and build a love of science and not see it as something apart from Indian Culture but a part of Indian Culture.
1994s are UNIQUELY POSITIONED

To mature rapidly as institutions of Higher Learning, BECAUSE;

Adrian Leighton – Saalish Kootenai College – more than doubling the number of American Indian forest rangers and forestry students through Bachelor’s program

Pat Aune – United Tribes Technical College – who has helped numerous students begin a career in nutrition and food science with her innovative internship program
1994s are UNIQUELY POSITIONED

To become a vibrant voice in the next generation of leaders, educators and scientists, BECAUSE;

Alessandra Higa – Oglala Lakota College – whose innovative animal science program has helped numerous American Indian young women and girls discover they loved Biology and Math.
What’s Wrong With This Picture??

TEAM WORK IS THE WAY TO GO
We’re listening!

• Stakeholder comments
• National Academies of Science AFRI review
• Portfolio analysis
CONCLUSION & COMMITMENT

If we want to keep America at the forefront of global competition, we need to make smart investments in education and innovation, leveraging the diverse resources and talent we have, especially in the agricultural sciences.

Catherine E. Woteki, Ph. D.
Under Secretary for REE and Chief Scientist
U.S. Department of Agriculture
THANK YOU!!

Questions?