From NBAF to the Future
2025 and Beyond

President Kirk Schulz
### NBAF Project Funding Commitments

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>FY2006-14 (1)</th>
<th>FY15 Budget (2)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Appropriations</td>
<td>$607.6 Million</td>
<td>$310.0 Million</td>
<td>$917.6 Million</td>
</tr>
<tr>
<td>State of Kansas</td>
<td>$307.0 Million</td>
<td>---</td>
<td>$307.0 Million</td>
</tr>
<tr>
<td>City of Manhattan</td>
<td>$5.0 Million</td>
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<td>$5.0 Million</td>
</tr>
<tr>
<td>Total</td>
<td>$919.6 Million</td>
<td>$310.0 Million</td>
<td>$1.2296 Billion</td>
</tr>
</tbody>
</table>

(1) Assuming $404 Million in the FY 2014 Appropriation

(2) Anticipated to be in the DHS FY 2015 Budget
NBAF Update: Construction Status

Central Utility Plant (CUP)

✓ CUP = 87,000 gross square feet
✓ LAB = 580,184 gross square feet
✓ Estimated Operation: 2020
Where we are today

• Ron Trewyn named to lead NBAF efforts
  – Full-time resource – as promised
  – Building academic and business partnerships
    • Iowa State
    • Lawrence Livermore National Lab
    • General Mills Research Unit
  – First new company expands to area
    • Midwest Veterinary Services builds $10 million Veterinary and Biomedical Research Center
BRI: Accelerating NBAF research

- Fully operational BSL3 facility
  - Stephen Higgs named director
  - Unique capabilities in crop and animal disease

- Coordinating with Plum Island
  - $35 million pledged for research
  - Ongoing NBAF disease research:
    - Classic Swine Fever
    - African Swine Fever
    - Rift Valley Fever
    - Japanese Encephalitis
    - Bovine Pleuropneumonia
  - 29 projects in process or completed
Leveraging NBAF: Global Food Systems

**Innovation**
NBAF, BRI, KSUI, KSURF, KSU Foundation

**Education/Talent**
Three-campus system and KSRE

**Targeted industry**
Animal health, food safety and food security

Source: Federal Reserve Bank of Cleveland
Global Food Systems
“Field to Fork” Assets and Expertise

Food Crops
wheat, sorghum, millet...

Food Animals
cattle, pigs, sheep...

Food Safety/Food Security
Global Food Systems expertise

Processing/Storage

Production

Distribution

Consumption/Protection
A corridor focused on global food systems
An initiative built on corporate partnerships

- Focus north campus growth
- Attract corporate partners
  - Innovation/extended research partnerships
  - Talent acquisition and retention
  - Training
  - Private investment
- Integrate campus, city, and state
Accelerating NBAF’s ROI

Projected Demand by 2035
• 70 acres of land for development (currently have 39 acres)
• 400,000 sq. ft. in new research and office space
• 1,200 new professional jobs projected
• $81 million in new payroll per year

Path A: Current Timeline
Path B: Accelerated Timeline

Estimated NBAF time line
VIDEO  Click on the picture above to watch the video on K-State's YouTube channel...
Creating prosperity for Kansas:
The global leader in global food systems