Education and Research Presentation to President, Provost, & VP Research

E&R Co-chairs
David Boje, Connie Falk and Suzanne Conner
Executive Summary

• 1. Elevate impact of Education & Research
• 2. Provide more direct route to administration
• 3. Synergies between E&R and operations and community
Define Opportunities

Opportunity to develop Potentiality-for-Being-a-whole Sustainability in E&R connections to entire NMSU
Step 1

• STEP 1: Show how sustainability interconnects to all 7 ‘Building The Vision Goals’
Graduation "Goal #1" Aligns with action items 3, 4 & 8 of Talloires Declaration

3. Educate for Environmentally Responsible Citizenship
   Establish programs to produce expertise in environmental management, sustainable economic development, population, and related fields to ensure that all university graduates are environmentally literate and have the awareness and understanding to be ecologically responsible citizens.

4. Foster Environmental Literacy For All

8. Enhance Capacity of Primary and Secondary Schools
   Establish partnerships with primary and secondary schools to help develop the capacity for interdisciplinary teaching about population, environment, and sustainable development.
Goal 2: Diversity
By integrating diverse perspectives from different cultures we can help achieve and promote student respect for diversity and sustainability at the same time.
9. Broaden Service and Outreach Nationally and Internationally
Work with national and international organizations to promote a worldwide university effort toward a sustainable future.

Goal 3: International Reach
Talloires Declaration item 9 is to broaden service and outreach for sustainability, nationally and internationally

Goal 4: Economic Engine
Since 1977, NMSU has brought together sustainability initiatives and economic development
Goal 5: Effectiveness and Efficiency Sustainability considers NMSU’s economic, environmental, and social-equity health
Goal 6: Alumni and Friends University could be positioned as way of donating to sustainable excellence
Goal 7: Culture of Pride

The NMSU student population has embraced sustainability, faculty and administration can serve as mentors to a culture of Aggie pride in sustainability for generations of students to come.

OASIS: A Campus-Based, Organic, Community Supported Agriculture Farm

Research Report 760

Constance L. Falk, Pauline Pao, Christopher S. Cramer, and Erin Silva

Agricultural Experiment Station • College of Agriculture and Home Economics.
Community

Meet Needs of New Mexico with Heart of Care of Sustainability for Future Generations
2nd Look at Timeline

- Beginning with WRRI
- SWTDI established
- LTER
- WERC
- Climate Commitment
- Tailloires Commitment
- With STARS curriculum Database
- Next- Research Database
- Potential to become Sustainable E&R University
The NM WRRI was established in 1963 by the New Mexico legislature and approved under the 1964 federal Water Resources Research Act.
1977- The Southwest Technology Development Institute (SWTDI), a non-profit, university-based organization providing applied research and development services to private and public sector clients. New name, New Mexico Solar Energy Institute ... in the College of Engineering, and has active research programs in energy and related systems. 2006 SWTDI became part of the Institute for Energy and the Environment.
1982- Jornada Basin Long Term Ecological Research – NMSU land is part of the Jornada Basin. This research examines the causes and consequences of desertification. LTER at NMSU is one of 25 sites funded by the NSF. Researchers come from all over the world to participate.
1990- WERC established – WERC: A Consortium for Environmental Education and Technology Development
2007 - President Martin of NMSU committed to developing an institutional action plan to achieve carbon neutrality by becoming a signatory to the American College and University Presidents’ Climate Commitment.
Based on a presentation by OASIS students in 2008, Interim President Waded Cruzado signed the Talloires Declaration in 2009.
2011 - Faculty Senate unanimously passed a memorial (led by Professor Boje) to recognize the new Office of Sustainability (headed by joni newcomer [sic]) at NMSU and support the plans and goals of the Sustainability Council, February.
Operations

Consumption Habits

LEEDS CERTIFIED BUILDINGS
Energy Reduction Program

"Turn It Off
Before You Take Off!"

6 Easy Steps to Reduce Your Energy Footprint:

1. Turn off office and task lights when you leave, even for short periods
2. Turn off your computer monitor when you leave at night and at lunch
3. Follow university rules for thermostat settings
4. Close/shut all windows and blinds, when applicable
5. Pull the plug on appliances and electronics when not in use
6. Last one out the door shuts off the main lights

Questions? Ideas? Sustainability stories to share?
Contact joni newcomor, Manager Environmental Policy and Sustainability
(575) 646-7563 or e-mail newcomer@nmsu.edu
http://sustainability.nmsu.edu
2002- For five years (through 2006) OASIS (Organic Agriculture Students Inspiring Sustainability) organic Community Supported Agriculture class and project operated on NMSU main campus, initiated by Professor Connie Falk
2nd Look at Timeline

- Beginning with WRRI
- SWTDI established
- LTER
- WERC
- Climate Commitment
- Tailloires Commitment
- With STARS curriculum Database
- Next- Research Database
- Potential to become Sustainable E&R University

Education

NEW! GREEN CURRICULUM

E&R Developed the STARS Curriculum Database
2nd Look at Timeline

- Beginning with WRRI
- SWTDI established
- LTER
- WERC
- Climate Commitment
- Tailloires Commitment
- With STARS curriculum Database
- Next-Research Database

Potential to become Sustainable E&R University

- 1963
- 1977
- 1982
- 1990
- 2007
- 2009
- 2011
- 2012
- 2013

NMSU

Community

Operations

Care

Education

Research

Sustainability

12/12/2011
STARS RESULTS:
Education & Research earned 25.75% of available points

Status/Points
ER-15: Sustainability Research Identification 0.00 / 3.00
ER-16: Faculty Involved in Sustainability Research 0.00 / 10.00
ER-17: Departments Involved in Sustainability Research 0.00 / 6.00
ER-18: Sustainability Research Incentives 0.00 / 6.00
ER-19: Interdisciplinary Research in Tenure and Promotion 0.00 / 2.00

0.00 / 27.00 Points Claimed – Research Credit
ACTION STEPS TO MEET STARS RESEARCH GOALS AT NMSU:

• 1. Work with the President, Provost, and VP of Research to appoint six sustainability-research faculty from main campus, and one from each community college to serve on the “Sustainability Research” subgroup of Education and Research Committee of the Sustainability Council by December 2012
ACTION STEPS TO MEET STARS RESEARCH GOALS AT NMSU:

2. Meet with the President, Provost, and VP of Research to identify candidates for the subgroup from a compilation of all faculty involved in sustainability research by March 2012

Our proposed Research Survey is enclosed in your packet. Surveying the equipment needed for research depends on understanding the synergy of all NMSU involvements in sustainability: community, operations, education pedagogy in-order-to reach NMSU full future in authentic potential-for-Being-Sustainable-in-New Mexico.
ACTION STEPS TO MEET STARS RESEARCH GOALS AT NMSU:

• 3. Identify sustainability related grants and research initiatives at NMSU annually by May
ACTION STEPS TO MEET STARS RESEARCH GOALS AT NMSU:

4. Meet with representatives of all departments involved in sustainability research by February 2012

5. Meet with Research Council of NMSU, VP of Research, the chair of University Tenure and Promotion Committee, Dean of the Graduate School, and Provost to discuss potential role of interdisciplinary research in tenure and promotion at NMSU by April 2012

6. Identify seed money funding streams to jumpstart new sustainability research initiatives on campus
2nd Look at Timeline

- Beginning with WRRI
- SWTDI established
- LTER
- WERC
- Climate Commitment
- Tailloires Commitment
- With STARS curriculum Database
- Next Research Database
- Potential to become Sustainable E&R University

Heart of Care at NMSU

Education

Research

Sustainability
In Conclusion:

Expand Sustainability definition beyond Economic Engine goal

In Goals, add definition of Sustainable Literacy

In Goals, add definition of Heart of Care
We recommend E&R report annually in a meeting like this one to President, Provost & VP Research

1. To increase access of E&R to the upper administration
2. To assure sustainability in curriculum and research has a high priority
3. To facilitate reporting and goal implementation
4. To synergize E&R with operations, & community for pedagogic opportunities
Most important of all... deliberate on reaching full authentic FUTURE of the potentiality for Heart of Care at NMSU!  

THANK YOU