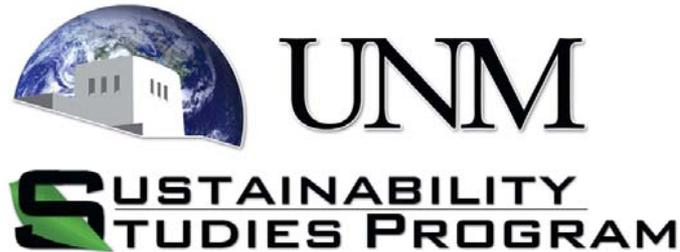


The Odyssey of Creating a Sustainable Campus at UNM: Assets, Barriers, and Strategies

Bruce T. Milne
Professor of Biology

and

Director





Community of practice began in 2007

Context of external organizations and policies

Context of internal leadership & resources

Physical Plant:

- Power
- Heating
- Cooling
- Buildings
- Grounds

1. Policy 2100
2. Climate Action Plan
3. P⁴ Purchasing
4. Education is Power

Academic

Programs:

- Degree program
- Courses
- Research
- Outreach

Helpful statewide green building mandate



President: Interim funding, state-wide summit, 7th value in HR evaluations, approved carbon action plan (80% reduction by 2030), secured W.K. Kellogg endowment agreement



UNM

Values

Integrity

Freedom

Respect

Excellence

Sustainability

Diversity

Access





University Business Policies and Procedures Manual

2100

SUSTAINABILITY

Effective Date: 06/01/08

Subject to Change Without Notice

Authorized by [Regents Policy 3.1 "Responsibilities of the President"](#)

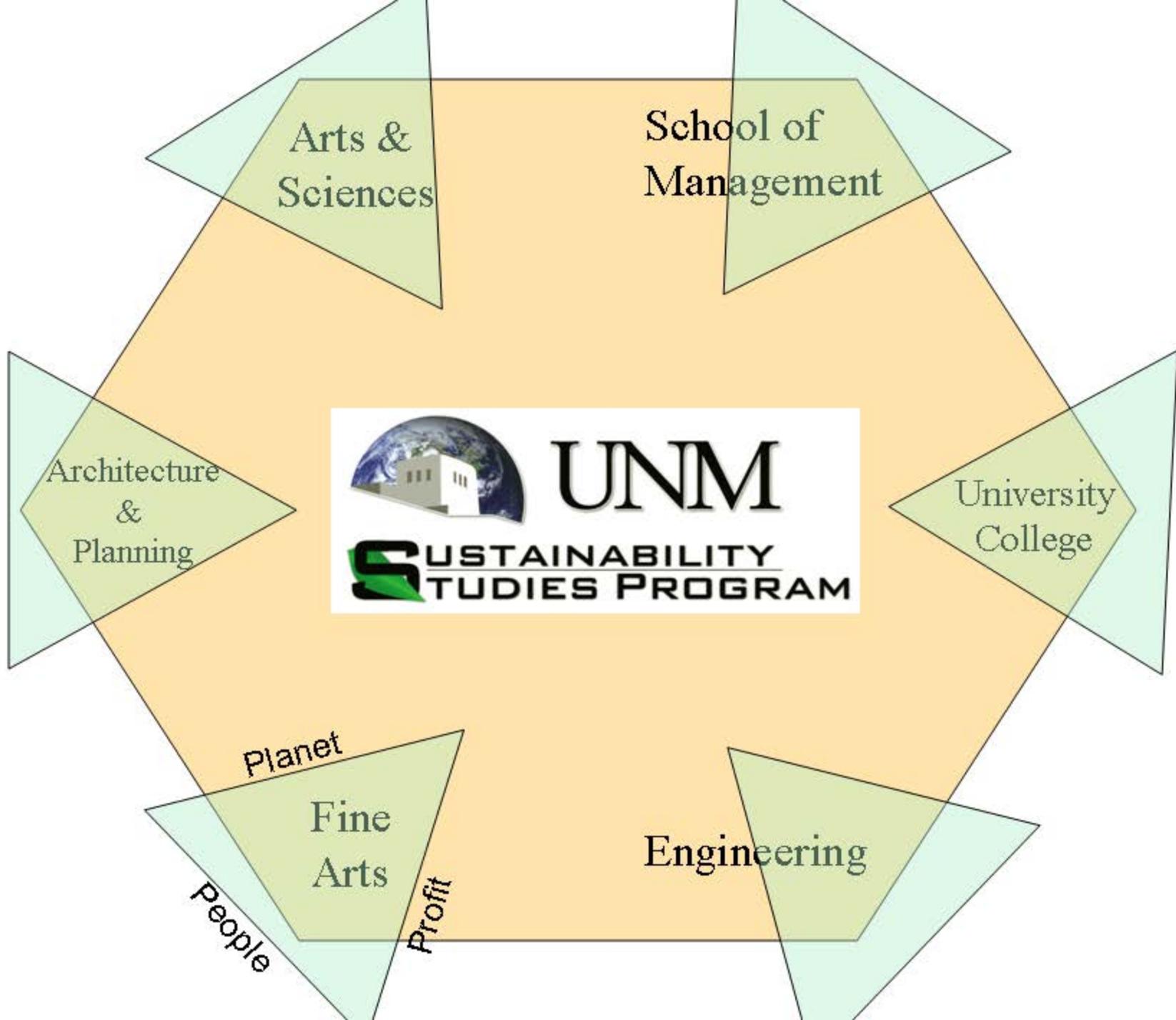
1. General

The University of New Mexico recognizes its profound relations with other entities both near and far; past, present and future. The University encourages a diverse campus culture that harmonizes UNM's sustainable goals of environmental protection, social equity, and economic opportunity within the context of its education, research, and public service missions. The University aims to improve performance in all areas of operations thereby meeting the needs of current generations without compromising the prospects of future generations. As a demonstration of this commitment, the University is an active member of the Association for the [Advancement of Sustainability in Higher Education](#) (AASHE) and the [American College and University Presidents Climate Commitment](#). In all activities present and future, the University shall develop systems to manage environmental, social, and economic wellbeing with specific goals, objectives, priorities, processes, and milestones by which to verify performance. This policy applies to all University property and activities, including branch campuses.

2. Sustainability Principles



Undergraduate minor degree to complement majors
Sequence of SUST courses + electives
Self-supporting I&G

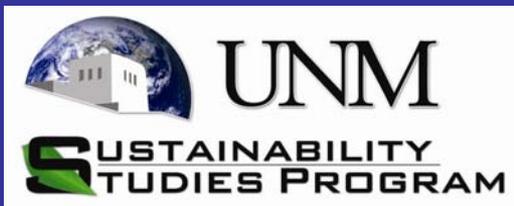




Campus as a sustainability laboratory...



Lobo Growers' Market links community to campus.
Helps to support 40-50 vendors
25,000 pedestrian customers



& USDA Summer Field School



Students -- APPLY for this interdisciplinary summer field school and receive a stipend and in-state travel allowance!

- ⌘ Field school visits four (4) major agricultural areas of the state to develop land literacy, direct knowledge of the value chain, orientation to Hispanic and Native traditions through face-to-face meetings between rural and urban agriculturalists and students.
- ⌘ The project will produce online Sustainability Studies courses and two summer field school courses to visit four bioregions and 21 farms, ranches, markets, processing facilities, and community food projects in traditional Hispanic, Native American, and other communities.
- ⌘ Mentoring will be provided by faculty and off-campus partners.
- ⌘ Students will become skilled leaders by conducting original projects.
- ⌘ There will be interdisciplinary opportunities realized by topics course, seminar series, social events, and student symposia.

<http://unmfoodshedfieldschool.wordpress.com/>



COLLEGE of ARTS & SCIENCE

Dr. Bruce Milne, Professor of Biology & Director-Sustainability Studies Program
Dr. Enrique Lamadrid, Chairperson Spanish & Portuguese Department
Dr. Chris Duvall, Professor of Geography

COLLEGE of FINE ARTS

Dr. Catherine Harris, Art History and Fine Arts

SCHOOL of ENGINEERING

Dr. Mark Stone, Professor Civil Engineering

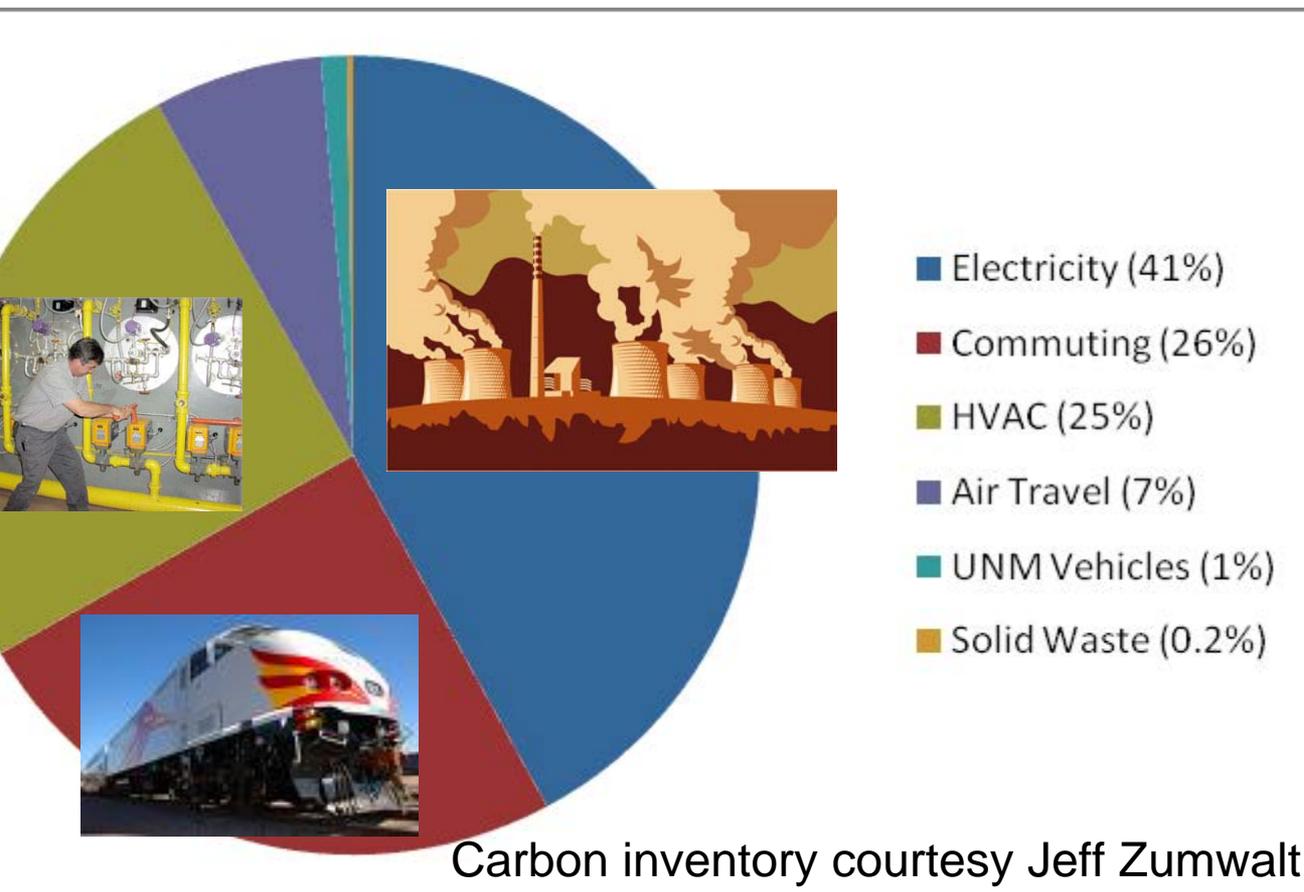
SCHOOL of ARCHITECTURE & PLANNING

Dr. Bill Fleming, Professor Community & Regional Planning

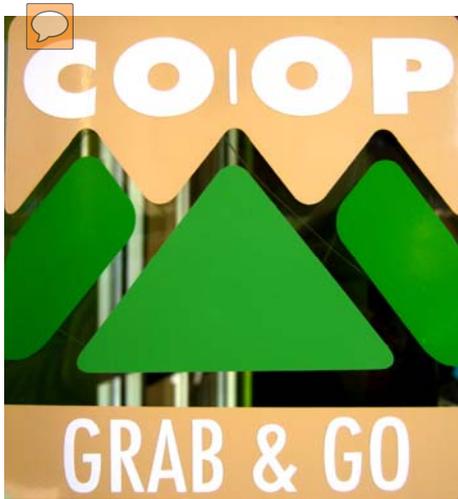
UNM Climate Action Plan

**80% reduction
by 2030**

**Prepared by Sustainability SUST 434
Spring 2009**



**Mary Beggio
Iain Deason
Bill Dunn
Renn Halstead
Jessica Johnson
Angelina Lopez
Bruce Milne
Zachary Perls
Kaycie Robinson**



**La Montanita UNM
Hours**

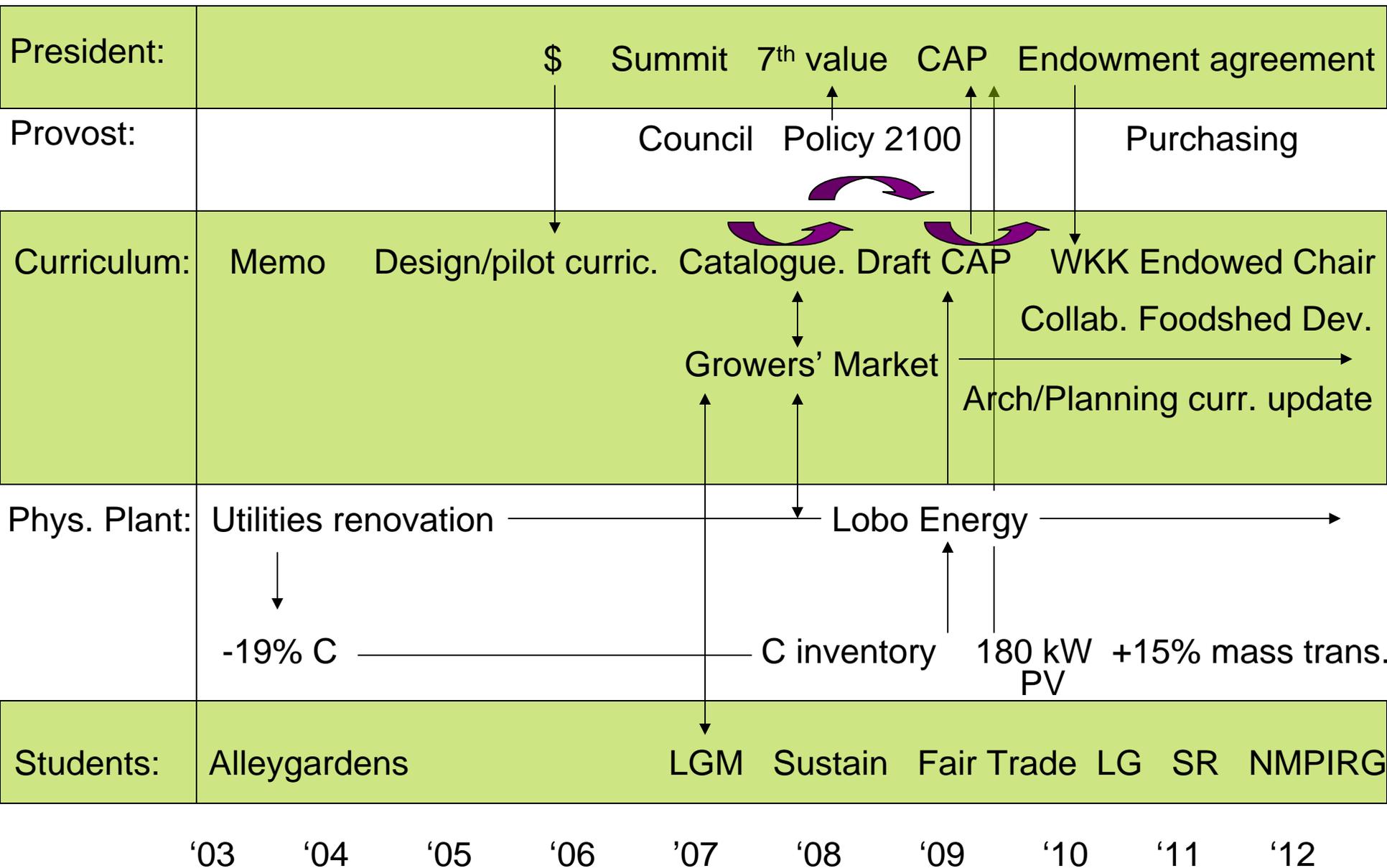
**Monday-Friday
7am-6pm**

**Saturday
10am-4pm**

**Sunday
Closed**



Community of practice threads throughout hierarchy





Assets

Leadership & Policy

AASHE ACUPCC

USGBC LEED

Climate Change Advisory Group (2006)

Architecture 2030

Heritage & Identity

Pueblos and Diné, Hispanic agriculture,

Green building community

Clean energy community

Local foodshed

Funding

NM Legislature

McCune Charitable Foundation

W.K. Kellogg Foundation

USDA Hispanic Serving Institutions

Barriers

No federal clean energy policy

No federal carbon/climate policy

Repealed state cap & trade

Backsliding local building code

Poor state-wide infrastructure

Underfunded mandate

No I&G for curriculum

No revolving fund

People & Creativity

Tenure system

Students, staff, faculty

Campus planning, food provider

No campus director

Administrative turnover



Mantras:



- Treat sustainability as a moral imperative that unites
- Be relentless in the face of barriers
- Value all willing partners
- Change the context via policy innovation
- Look outside the walls of the institution
- Do something bold
- Build continuity
- Set goals and monitor progress
- Teach across the curriculum
- Hire expertise where possible
- Create incentives
- Make change visible and celebrate it
- Identify and test assumptions





Acknowledgments:

Funding:

State Rep. Mimi Stewart
McCune Charitable Foundation
W.K. Kellogg Foundation
USDA

Leadership:

Former provost Reed Dasen-brack
President David Schmidly
Provost Chaouki Abdallah
Mary Vosevich & Physical Plant Department
Mary Clark, Jeff Zumwalt
Campus Planning
Members of the Sustainability Council
Chartwells

Colleagues: Terry Horger, Jessica Rowland, Maggie Seeley
Department of Biology
Lobo Gardens, Dan Young
Collaborative for Foodshed Development
College of Arts & Sciences
School of Architecture & Planning
College of Fine Arts
College of Engineering

Students in SUST 134, 334, 364, 434, 499, and
2011 Foodshed Field School



This case study reflects the perspective and experience of the author. Time limitations preclude honoring significant contributions to sustainability made by persons not referenced herein.



UNM

SUSTAINABILITY STUDIES PROGRAM

sust.unm.edu sust@unm.edu

