



UNM STUDENT HOUSING OPEN FORUM

Central Campus Planning Update 9 . 02 . 2010



CENTRAL CAMPUS STUDENT HOUSING PLANNING FORUM SCHEDULE

Session I: August 26
Action Items Report & Central
Campus Planning Criteria

Session II: September 2
Action Items Report &
Plan Concepts Process Work

Session III: September 9
Action Items Report &
Plan Concepts Process Work

Session IV: September 16
Planning Workshop (Part I)

Session V: September 23
Planning Workshop (Part II)

Session VI: September 30
Plan Concept Selection

Session VII: October 7
Phase One Site Selection

FALL BREAK: October 14

Session VIII: October 21
Final Housing Plan &
Site Development



CENTRAL CAMPUS STUDENT HOUSING PLANNING FORUM SCHEDULE

Session II: **September 2**

Action Items Report &
Plan Concepts Process Work

REPORT ON LIVING ON CAMPUS

REPORT ON CAMPUS COMMUNITY SIZES

*REPORT ON EXISTING HOUSING
CONDITIONS*

REPORT ON HISTORIC PRESERVATION

REPORT ON ENERGY SAVINGS AND LEED



REPORT ON LIVING ON CAMPUS

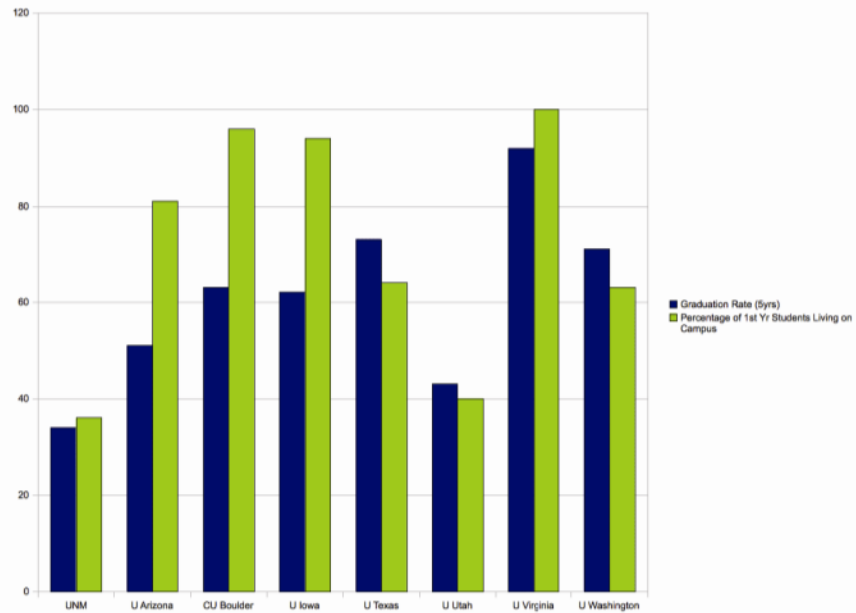
Research of student success has demonstrated several advantages and opportunities for students who live on-campus. Many of the benefits are related to the transitional first year students, who often need close social and academic ties that help in the adjustment to college life. Living on campus provides exposure to social and academic communities, where individuals can assist one another in a many ways:

- Frequent contact with a wide range of faculty and students at various levels
- Participation in university programs, extracurricular activities, and leadership positions
- Access to diverse events, experiences, and people
- Savings of time and money from commuting and costly rentals



Academic Success and 1st Year Students Living On Campus

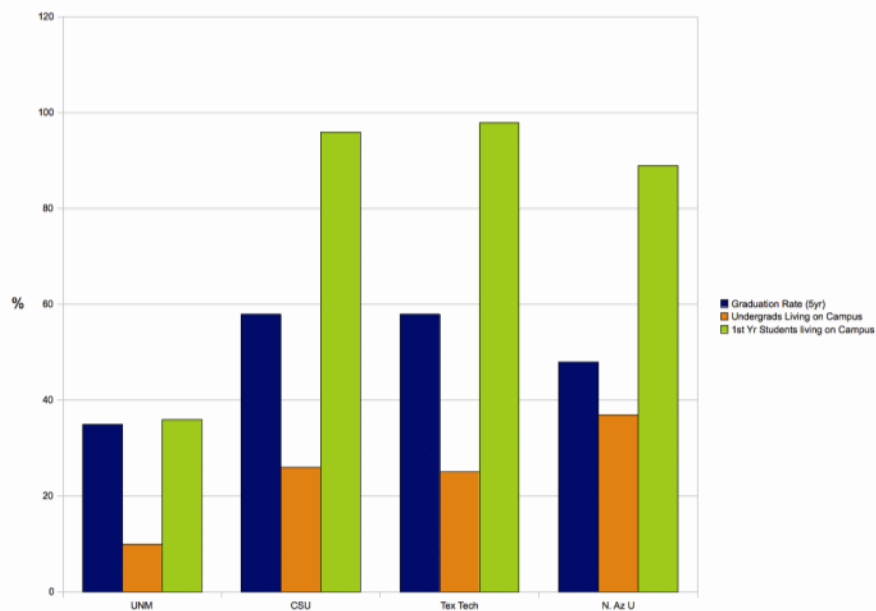
As seen in comparisons with academic peer institutions, the many opportunities that come with living on campus can be applied throughout the students career, from 1st yr transition to graduation.





Academic Success and First Year Students Living On Campus (Regional Peer Comparison)

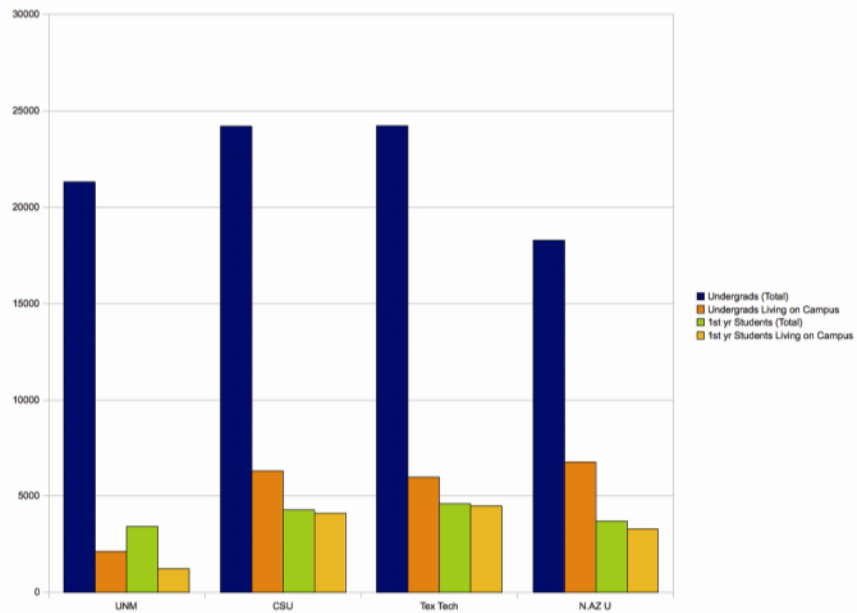
As seen in comparisons with regional peer institutions, the many opportunities that come with living on campus can be applied throughout the students career, from 1st yr transition to graduation.





Undergraduate and First Year Students Living on Campus, Regional Peer Comparison

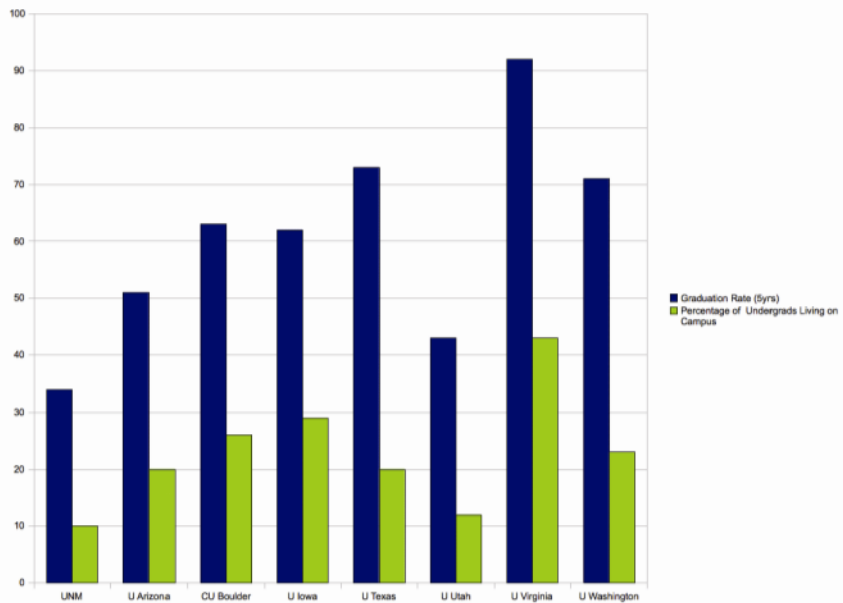
UNM has a relatively small number of undergraduate and first year students living on campus when compared to regional peers. (Colorado State University, Texas Tech, Northern Arizona University)





Academic Success and Undergraduate Students Living On Campus

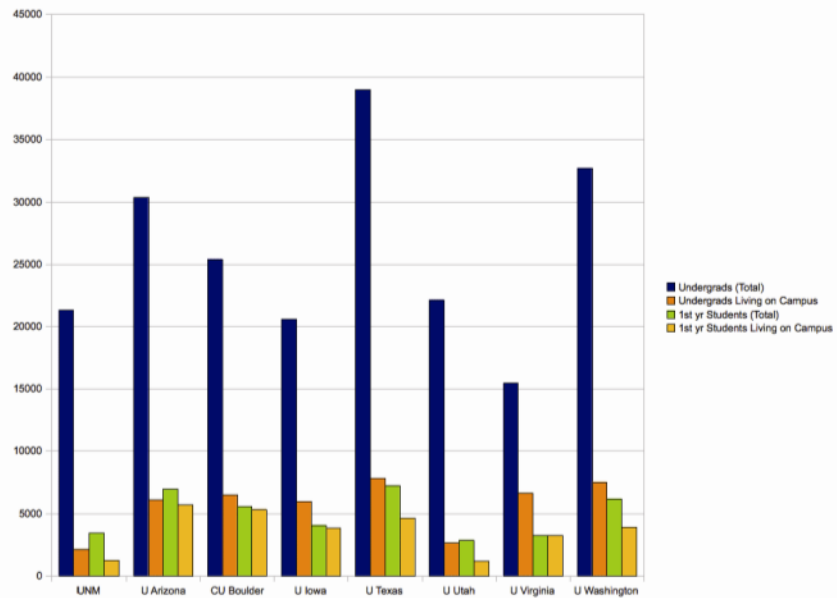
As seen in comparisons with academic peer institutions, the many opportunities that come with living on campus can be applied throughout the students career, from 1st yr transition to graduation.





Undergraduate and First Year Students Living on Campus, Academic Peer Comparison

UNM has a relatively small number of undergrads and first year students living on campus when compared to academic peers throughout the country.





REPORT ON CAMPUS COMMUNITY SIZES

Campus Community Sizes

In establishing the appropriate size community for UNM residence halls, it was important to evaluate standards at academic peer institutions, and summarize the results according to a variety of sizing types:

- Room Size, Spatial Arrangement
- Community Type and Size
- Student Management
- Amenities (building, floor, and room)

*Regional and Academic Peers considered:
University of Arizona, University of Colorado,
University of Iowa, University of Texas, University
of Utah, and University of Washington.*



Building Size

Building sizes were summarized according to height, density per building, and density per floor. The average sizes were totaled and resulted in the following sizes:

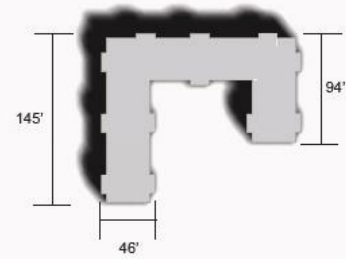
- 3-4 Stories
- 250-300 students per building
- 65-100 students per floor



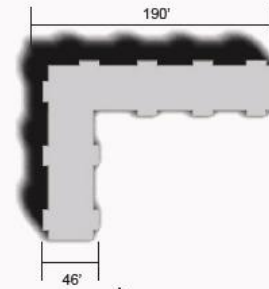
Module Types & Sizes Approximated (20' x 28' quad w/bath & 18' x 20' double w/bath)



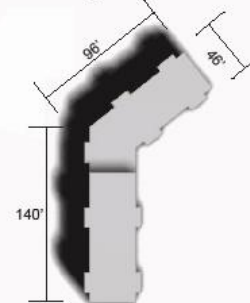
3-4 stories (approx 30'-40')
 Quad & Double Occupancy Units w/ shared bath
 72 Residents per floor
 216 Residents per building



3-4 stories (approx 30'-40')
 Quad & Double Occupancy Units w/ shared bath
 76 Residents per floor
 228-304 Residents per building



3-4 stories (approx 30'-40')
 Quad & Double Occupancy Units w/ shared bath
 Approx. 52 Residents per floor
 156-208 Residents per building





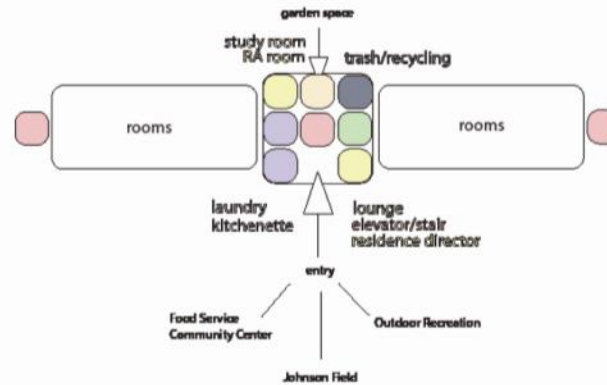
Room Sizes/Spatial Arrangement

Room sizes vary according to configuration, but average 100-150sf per person.

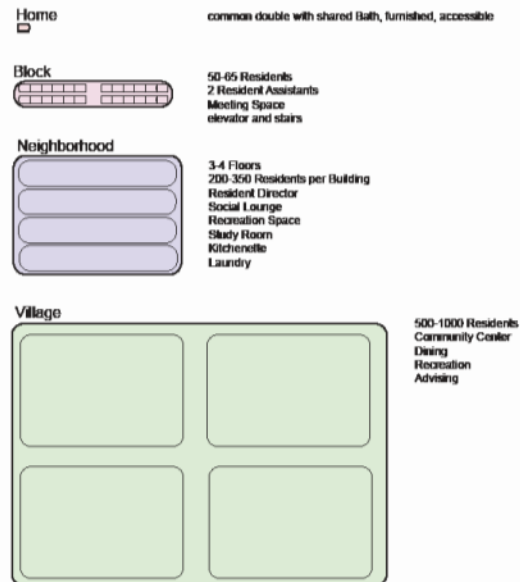
- 11' x 19' double room suite, connected/
shared kitchen/bath with double (quad)
- 16.5' x 12' double, connected/shared bath with
double (quad)
- Double 10' x 17', shared bath
- Super Single 20' x 10', bath
- Super double 20' x 19', bath
- Quad suite, 2 baths, Single Deluxe Bedroom: 7' x 9'
Living Room: 18' x 9'



RESIDENCE ORGANIZATION



STUDENT/COMMUNITY ORGANIZATION





Living Learning Communities

Organized communities with a cultural and/or academic focus provide opportunities for residents to engage in common interests and academic pursuits. Spaces may have amenities that feature a range of activities for the particular community.

- Honors, Leadership - 250 residents
- Fine Arts - 90 residents
- Health Sciences - 90 residents
- Business - 90 residents
- Multicultural/international Floor - 90 residents
- ROTC - 90 residents
- Engineering - 90 residents
- Female Science & Tech - 25 residents
- Sustainability - 90 students
- Healthy Living - 90 students
- GLBT - 50 students



Amenities

Floor Amenities

Study Lounge, social lounge, option of 24 hour quiet floors, Honors, Living-Learning floors, Recycling Bins, Filtered Drinking Water Supply

Building Amenities

Social Lounge, meeting rooms, study rooms, kitchen, computer lab, TV lounge, laundry facilities, air-conditioning, outdoor social spaces, picnic tables, BBQ, bike storage, handicap accessible facilities, ping pong and pool tables, vending machines

Area Amenities

Dining hall, mail room, fitness center, cafe, market, outdoor recreation, BBQ, picnic tables, transportation hub, access to campus & public transportation



REPORT ON EXISTING CONDITIONS

In 2010, THE EMG Corporation, a private facilities assessment firm, performed a Facility Conditions Assessment of the following residence halls:

- Alvarado Hall
- Coronado Hall
- Laguna/De Vargas Hall
- Santa Ana Hall
- Santa Clara Hall

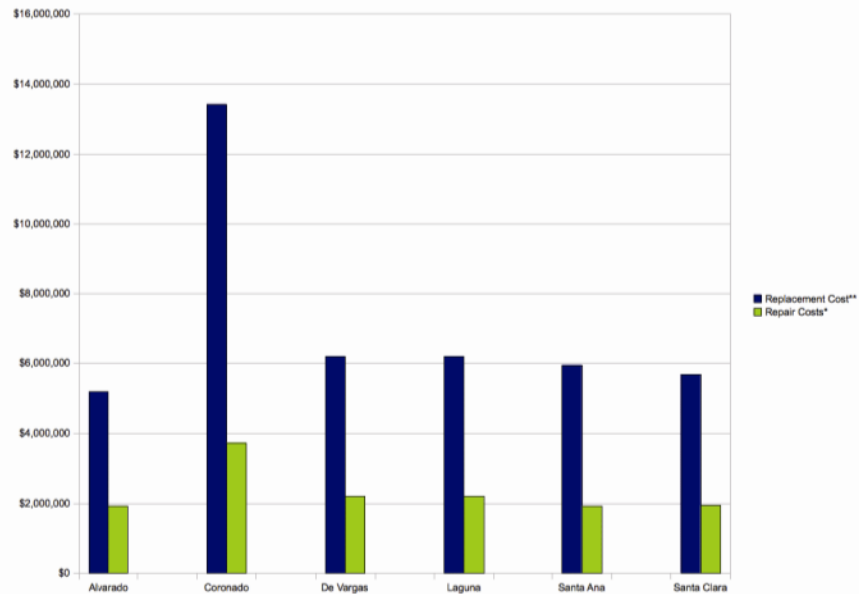
EMG examined the facilities for conditions pertaining to long term use. These conditions included:

- Building code and accessibility
- Site and Utilities
- Structural systems
- Mechanical/Electrical systems
- Interior finishes and environment



Facility Condition Report

The 2010 EMG Facility Conditions Audit provides an evaluation of the current conditions of UNM residence halls, revealing the need for extensive repairs and long term maintenance for safe and functional facilities. The escalated costs of repairs is comparable to the total estimated development costs for replacement.





REPORT ON HISTORICAL PRESERVATION

In 2007, with support from the J. Paul Getty Foundation, the Historic Preservation Committee of UNM completed the 'UNM Campus Heritage Preservation Survey'. Buildings and landscapes were classified into three different types:

- **1** Highest, historically very important to retain, already state or federally registered
- **2** Medium, has historic features that can be archived, replicated or recalled. Does not preclude removal if there is a compelling need for use of the property on which it sits or the adjacent lands
- **3** Lowest, marginally historically relevant



1

Ash Mall
Duck Pond
Zimmerman Cactus Garden
Scholes Hall
Anthropology Building
Alumni Chapel
Zimmerman Library
Terrace mall
Carlisle Gym
Northrop Hall
Tight Grove
Alumni Memorial Courtyard
Hodgin Hall
Sara Raynolds Hall
Art Annex
Mesa Vista Hall
Travelstead Hall
University House
Economics Building
Hokona Hall
Naval ROTC

2

Bandelier Hall
Engineering Annex
Anthropology Annex
Clark Hall
Yale Mall
Marron Hall
Castetter Hall
Communications & Journalism
Parsons Grove
Cornell Mall
Smith Plaza
COC Courtyard
COE tech Center
COE Kiva Lecture Hall
Tapy Hall
Santa Clara Dorm
Coronado Dorm
Laguna DeVargas Dorm
Onate Hall Dorm
Alvarado Hall Dorm

3

Biology Annex
COE Education Classrooms
COE Masley Hall
COE Manzanita Center
Applied Research



REPORT ON ENERGY SAVINGS AND LEED

LEED Energy Savings

In response to the UNM Climate Action Plan, new residential facilities are being planned according to LEED silver standards of the US Green Building Council (USGBC). This includes multiple improvements to achieve an enhanced living environment, increased energy performance, thermal comfort, reduction of toxicity and waist, and the integration of daylight and views.



Improvements that maximize the use of resources while improving the quality of life for residents are prioritized. These include:

Sustainable Sites

- Planned Density for community connectivity
- Access to public/campus transportation

Water Efficiency

- Landscaping-Savings of 50% of Irrigation
- Efficient low flow plumbing fixtures for 35% savings of water use

Optimized Energy Performance

- 22% optimal performance over USGBC Baseline
- Enhanced Commissioning



Materials and Resources

- Construction Waste Management
- Use of Recycled Content
- Use of Regional Materials

Indoor Environmental Quality

- Increased Ventilation and Outdoor Air Delivery
- Construction IAQ Management Plan
- Low- Emitting Materials, adhesives, and sealants
- Thermal Comfort
- Daylight for 75% of spaces
- Views for 90% of spaces

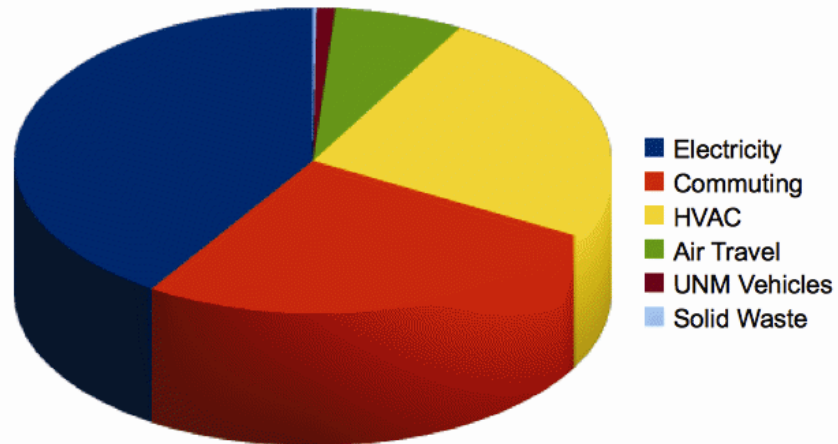
Design Innovation

- Green Cleaning
- Green Roof
- Low Heat Island Effect Roof
- Education Case Study
- Storm Water Management



Energy Consumption at UNM

Electricity, HVAC, and Commuting are responsible for most of the energy consumption at UNM. Dramatic savings in energy can be achieved with students living on campus in energy efficient housing, reducing the need for commuting.



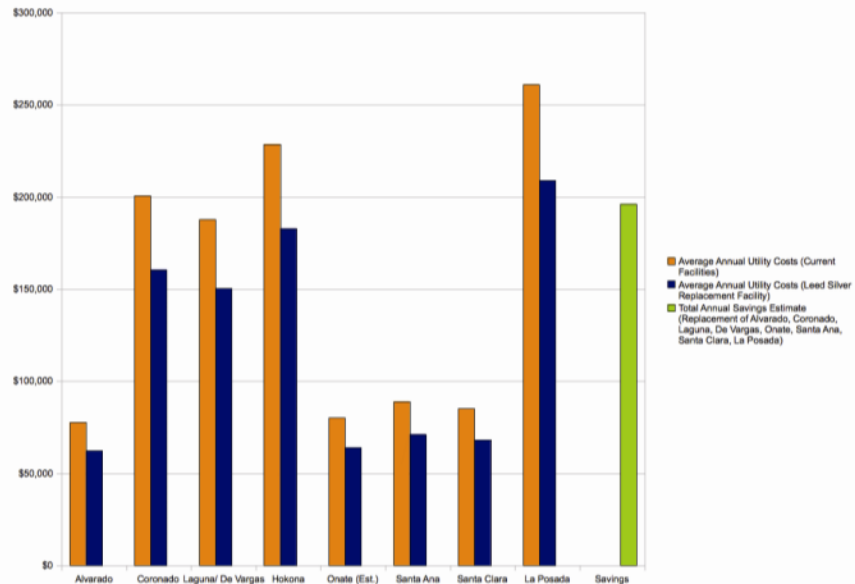
Energy Savings from Living On Campus

Commuting is the second highest cause of green house gas emissions at UNM. With less than 10% of students living on campus, a significant decrease in emissions could be achieved by having more students living on campus. It is the goal of UNM to double the number of students living on campus to achieve levels of 15-20% of students.



Annual Energy Savings

Estimated savings from the replacement of current facilities with LEED Silver facilities reveals the potential for significant decrease in energy use. With an estimated 20% annual savings in energy consumption, and approximately \$200,000 in annual utility savings, the long term benefits could be of great financial and environmental value.

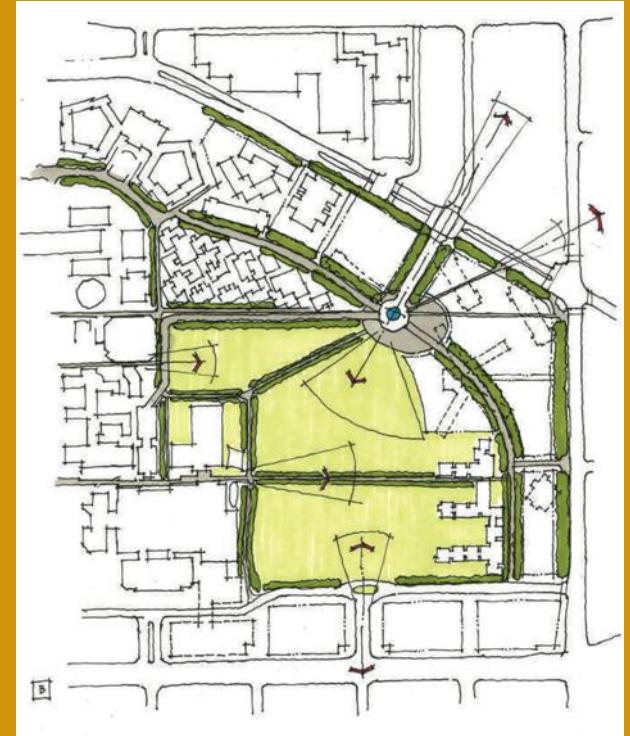


LEED Silver Facilities

An estimated 20% annual savings was conservatively derived from the average baseline LEED standard building performing at 25-30% greater efficiency than national standards.*

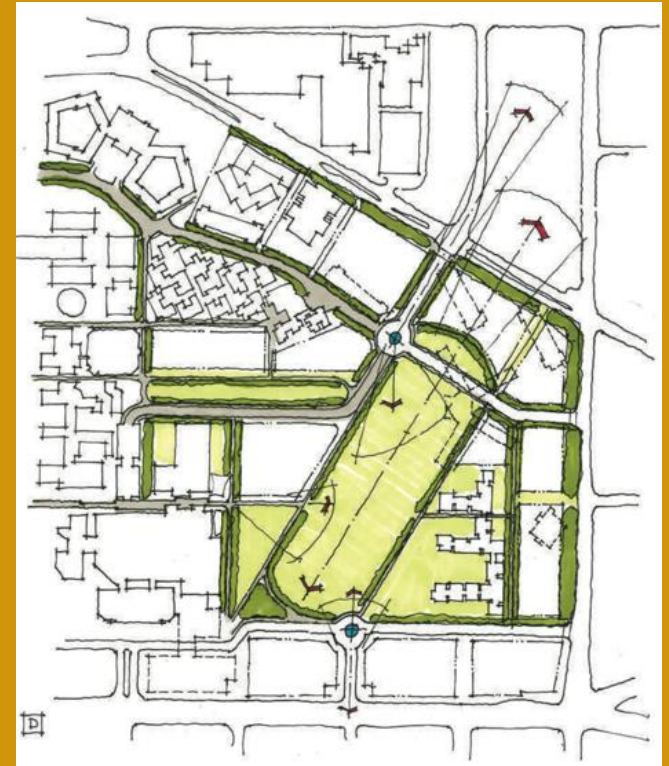


Scheme A & B – July 2010





Scheme C & D – July 2010





Scheme E & F – July 2010





Scheme G – July 2010

