

# NMSU College of Engineering Research Picture

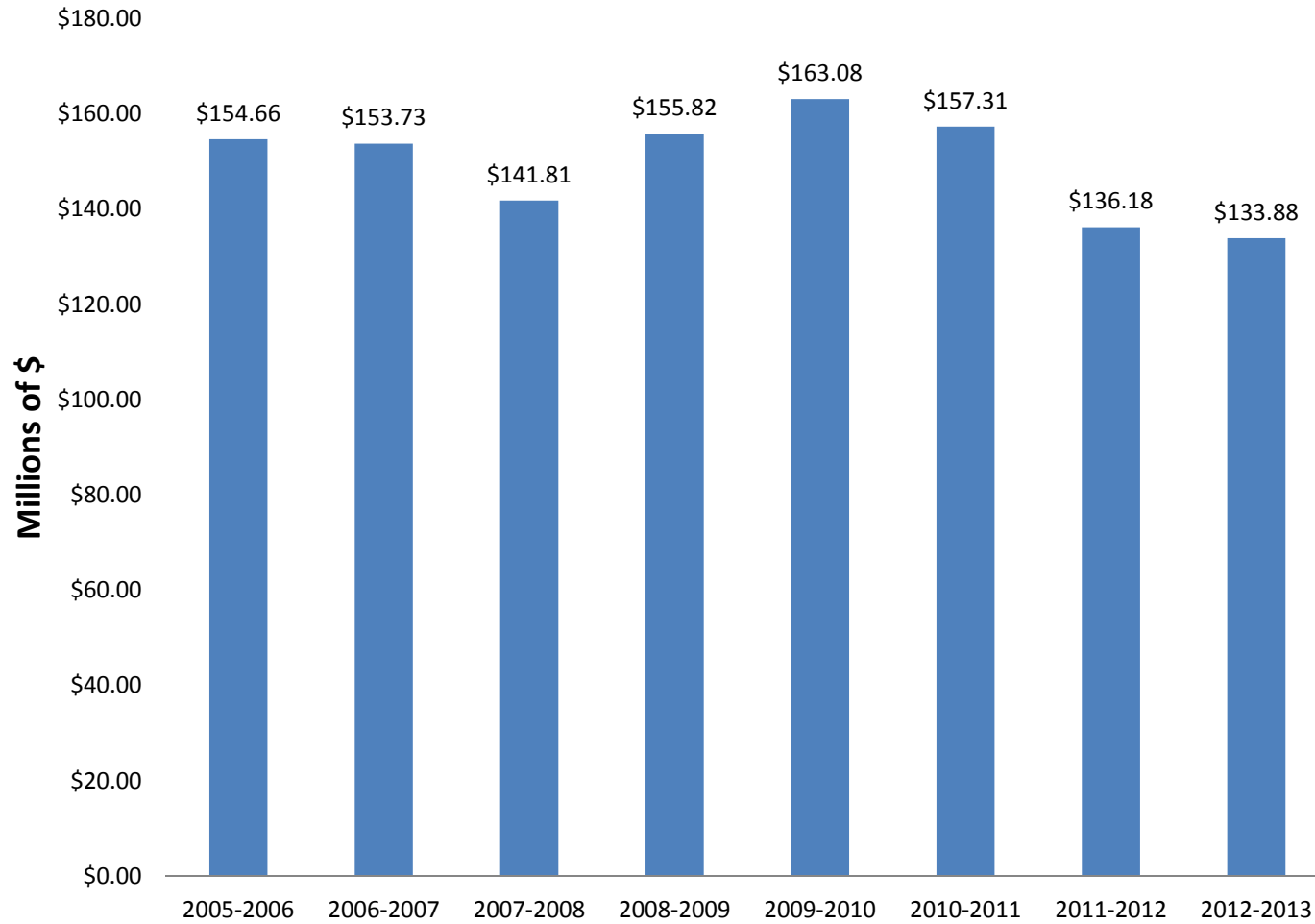
Jan 23, 2013



# NMSU sponsored research funding picture



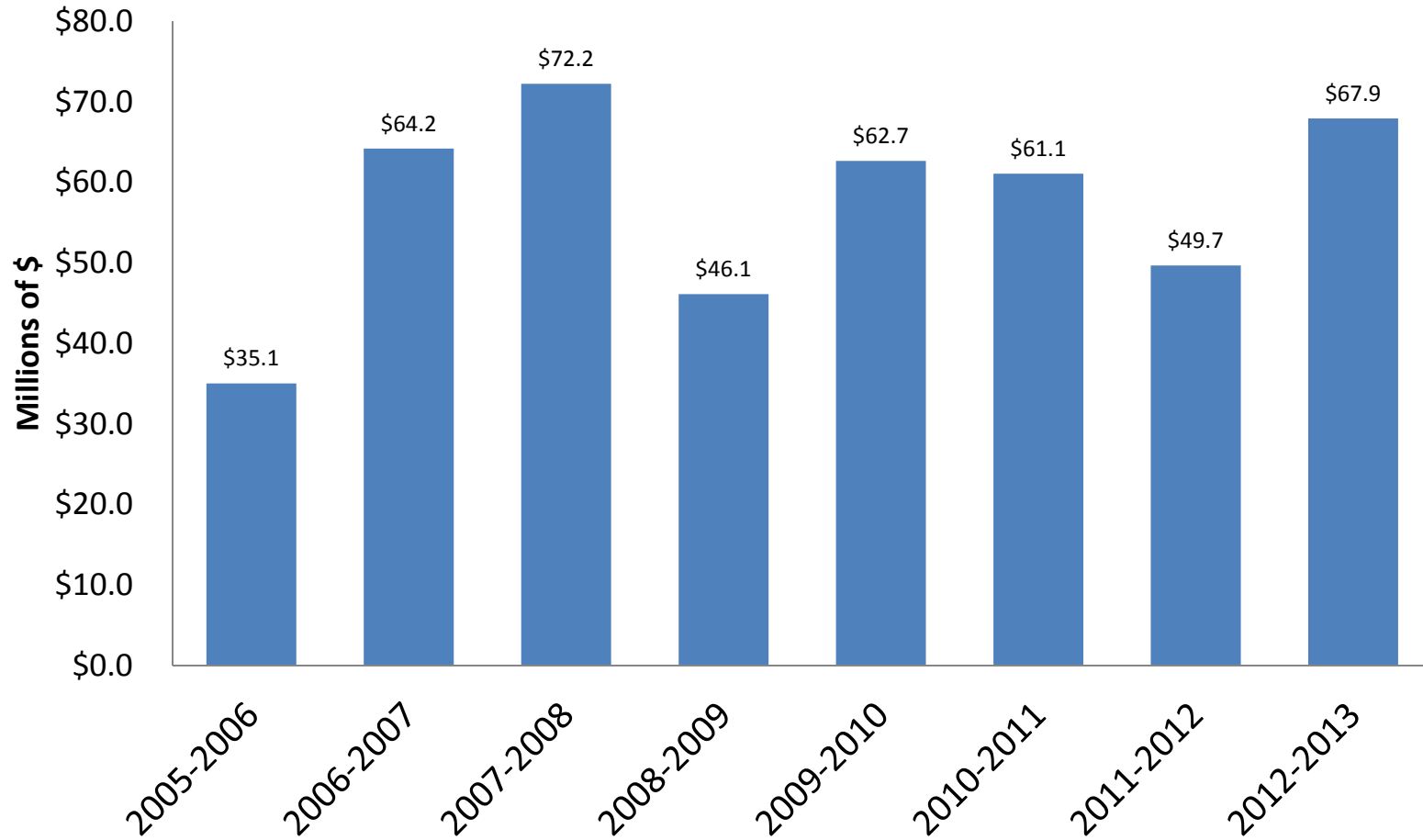
## NMSU Research Expenditures



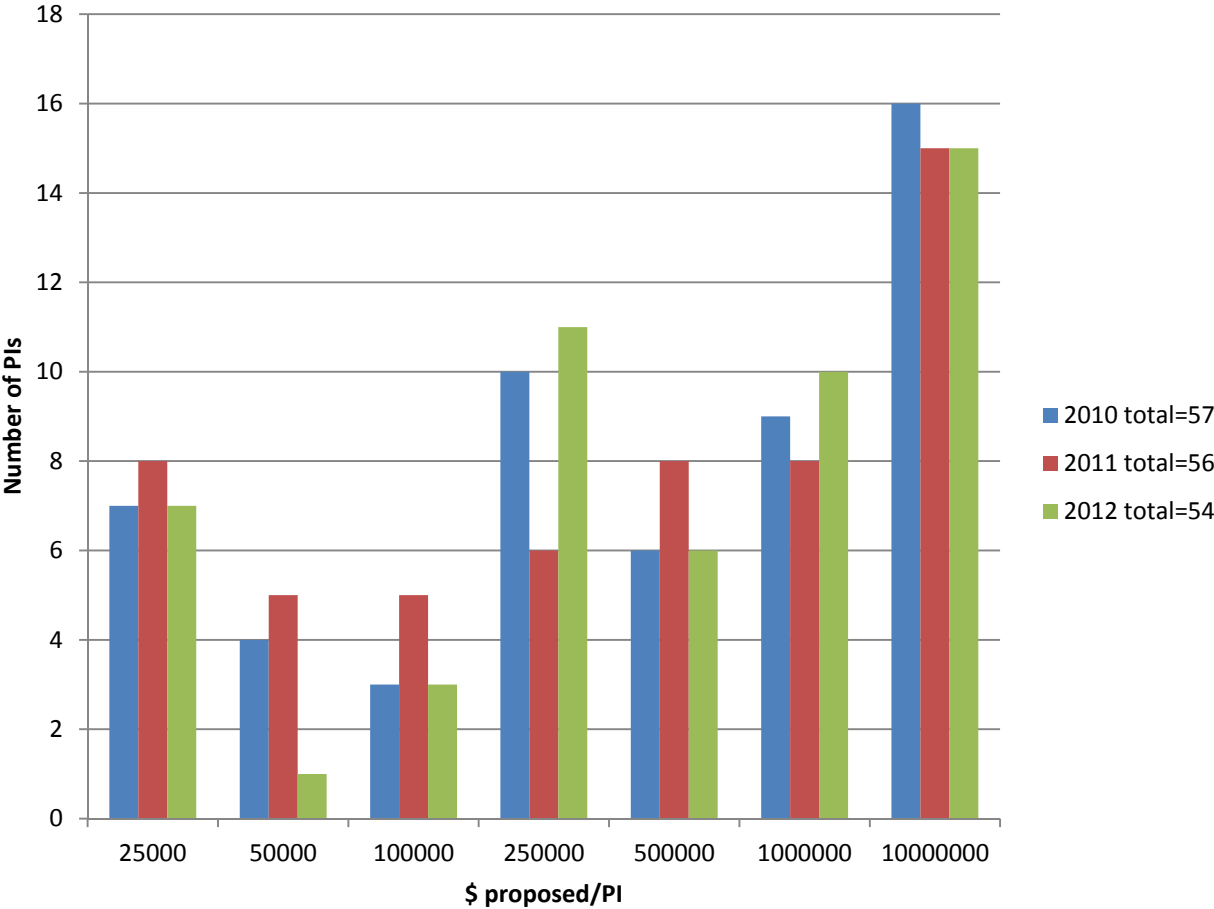
# NMSU College of Engineering funding picture



## College of Engineering Proposed Funding



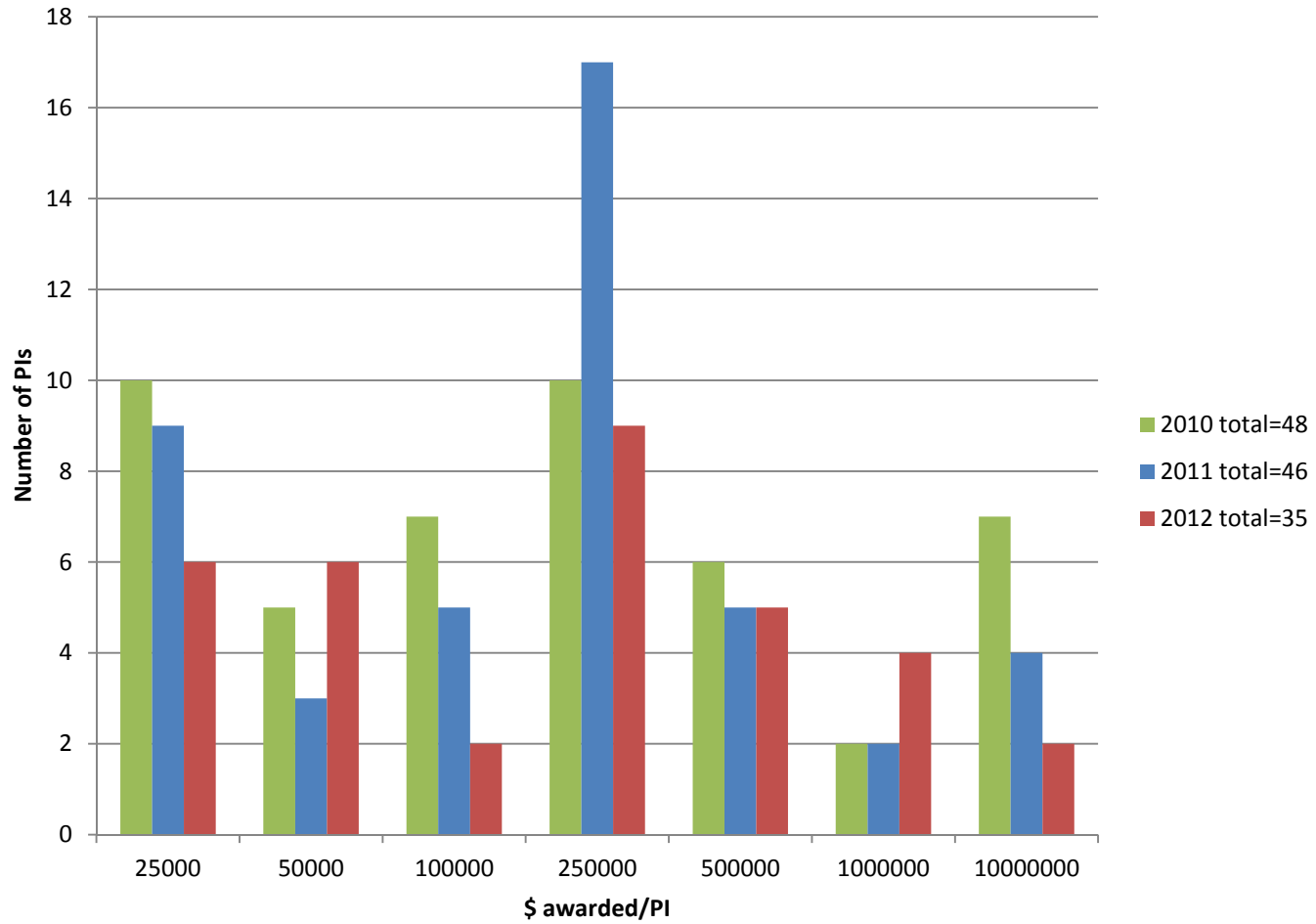
# College of Engineering Proposed funds by PI



### College of Engineering Awards by Fiscal Year

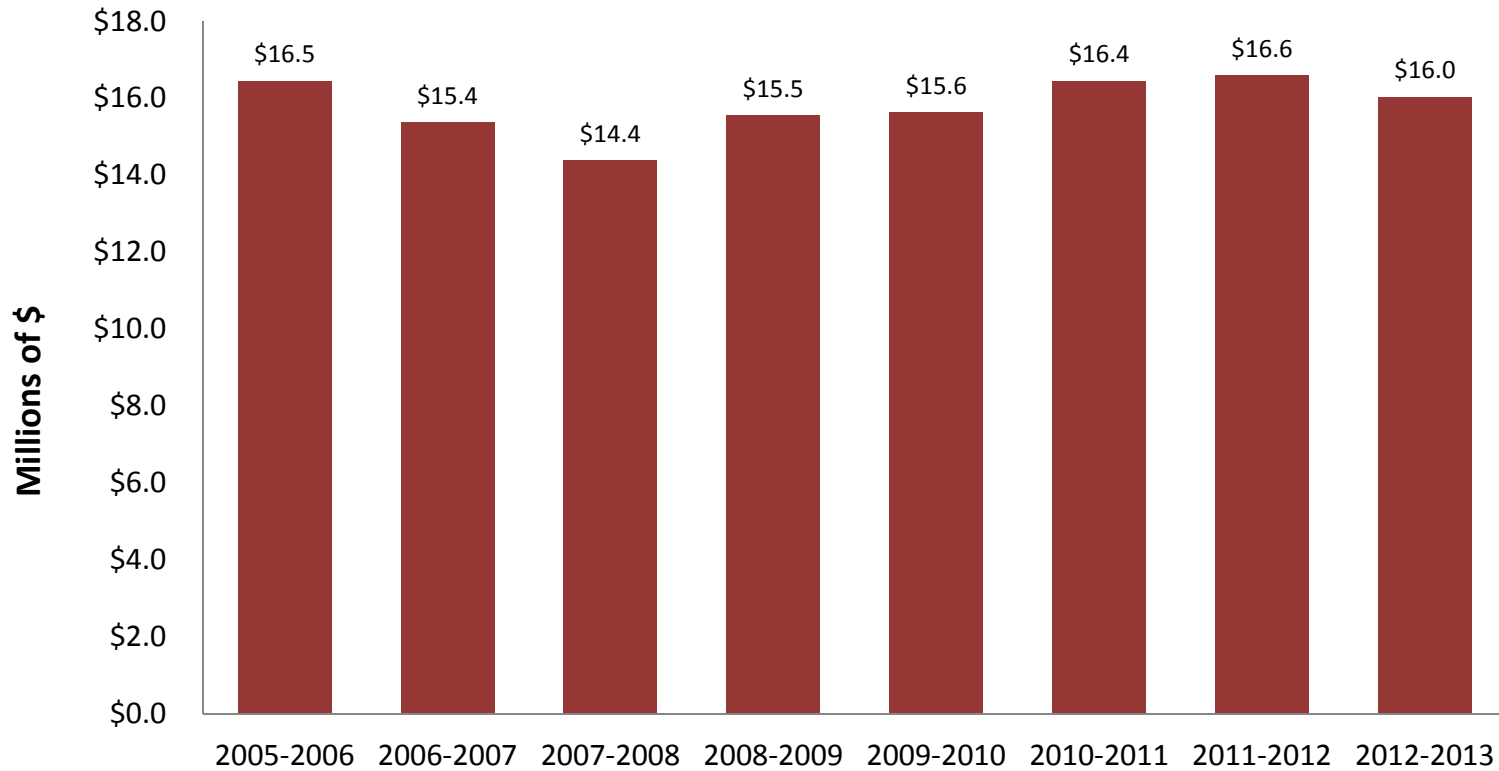


## College of Engineering Awarded funds by PI

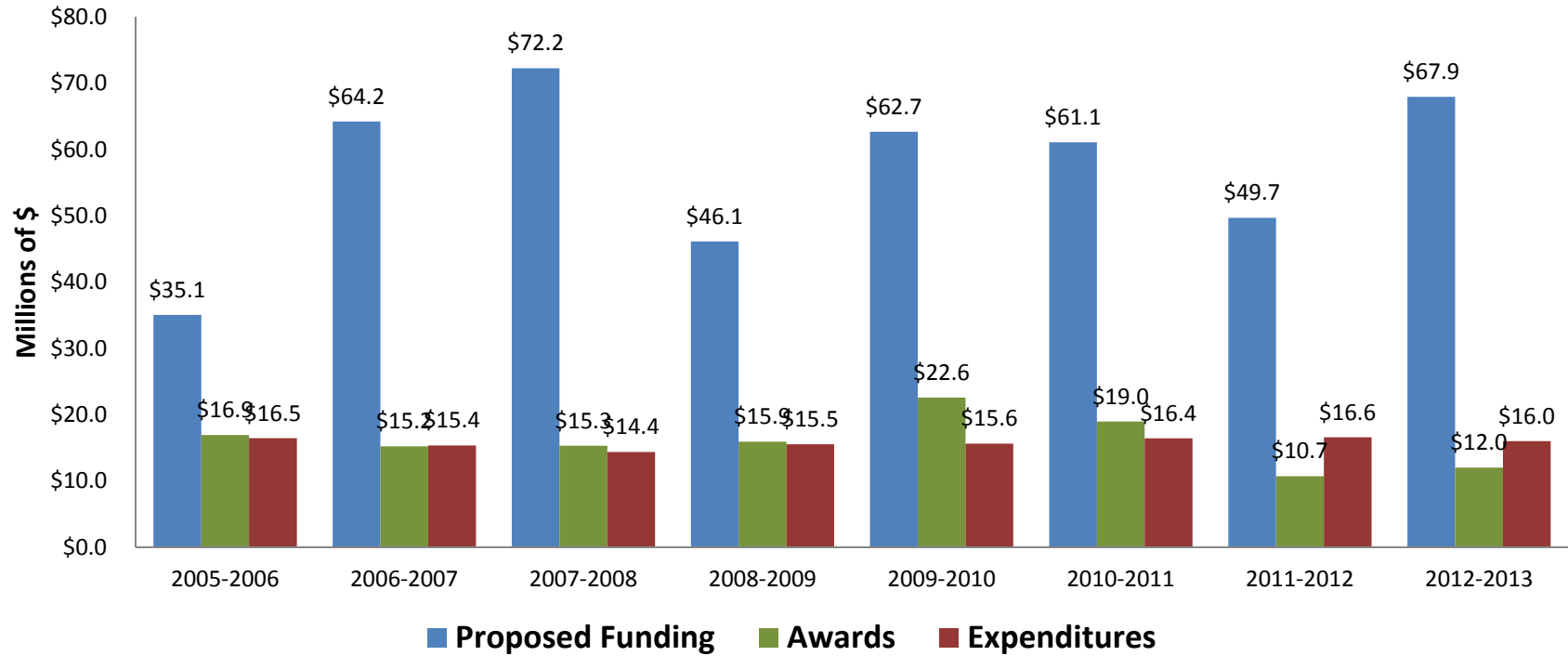




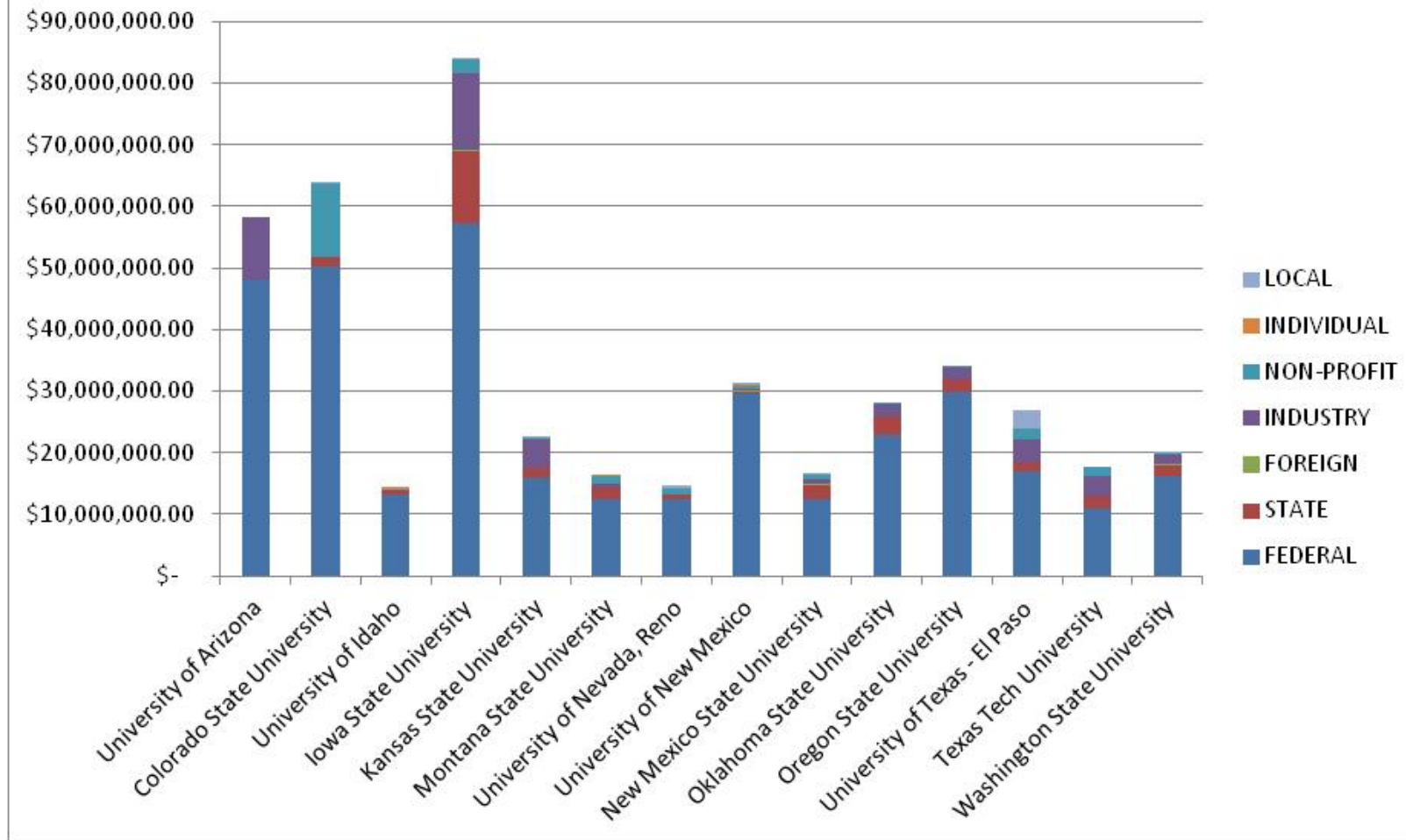
## College of Engineering Expenditures by Fiscal Year



## COE Sponsored Research History by Fiscal Year



## Engineering-related research expenditures, 2011-2012



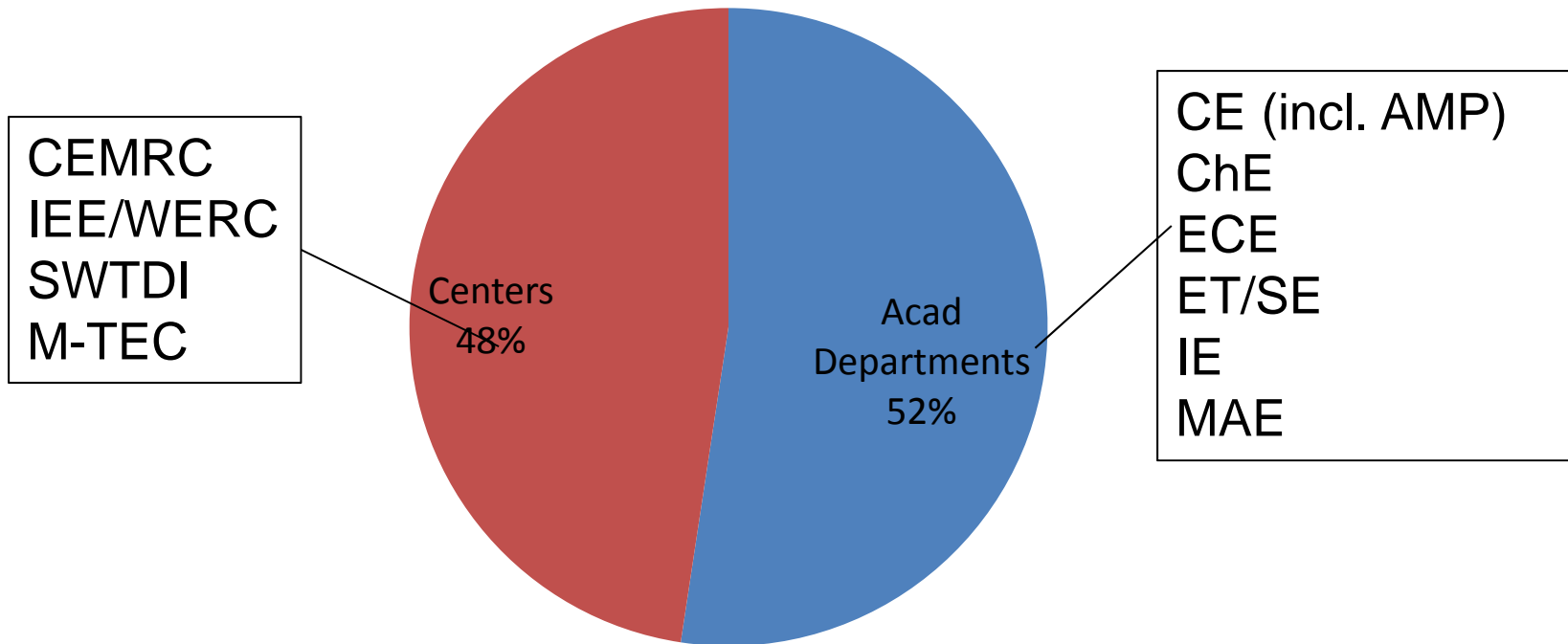
# F&A generation and expenditures (also called IDC or overhead)



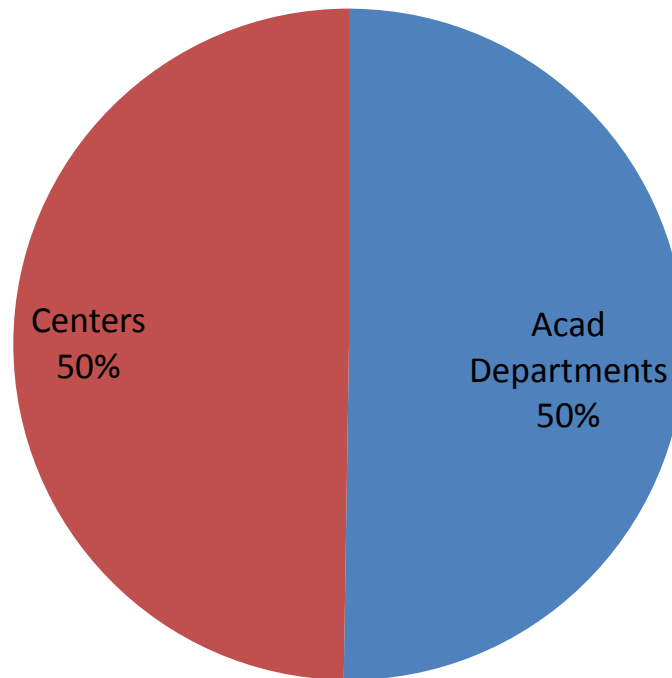
Where does it come from?



## Research Expenditures FY2006-FY2013 (Total=\$125M)



## Total F&A Generation FY2006-2013 ( \$20.3M)

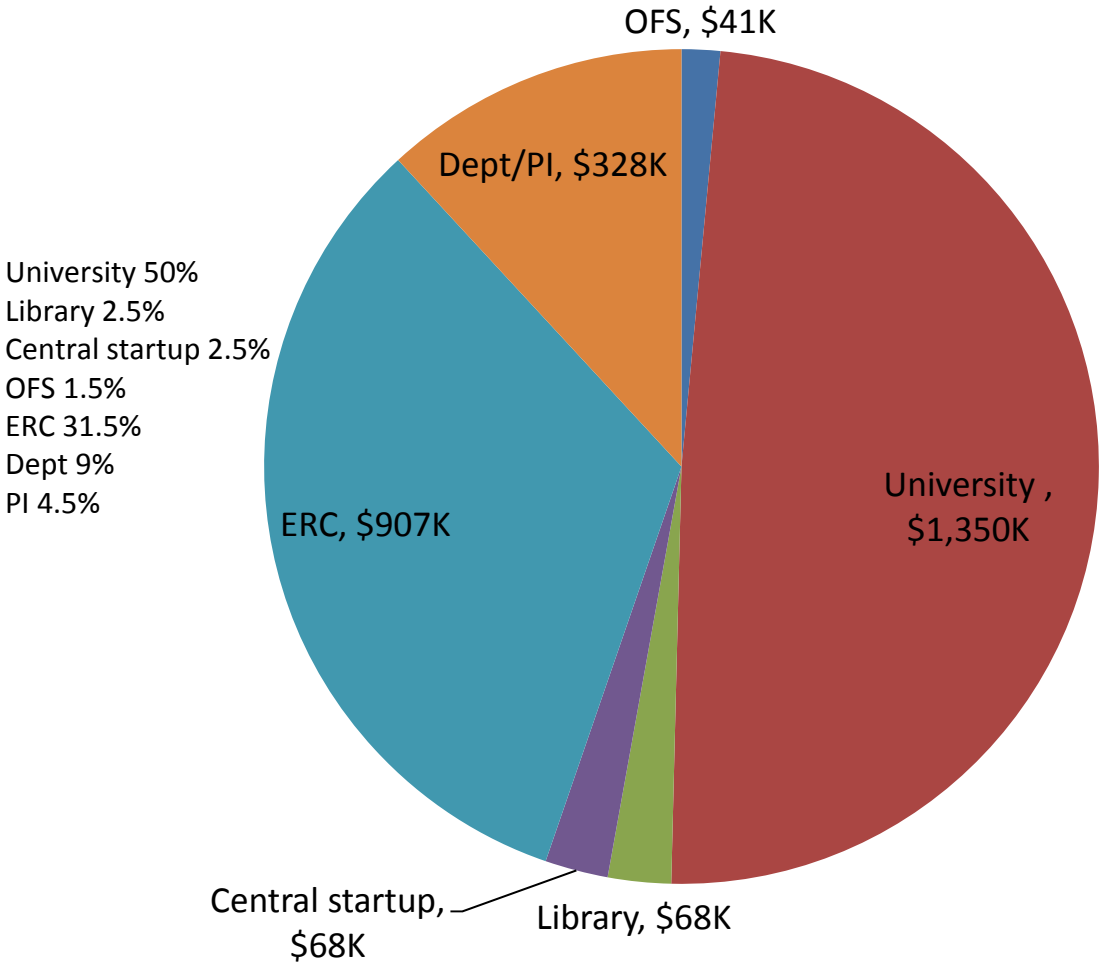


How is it distributed?





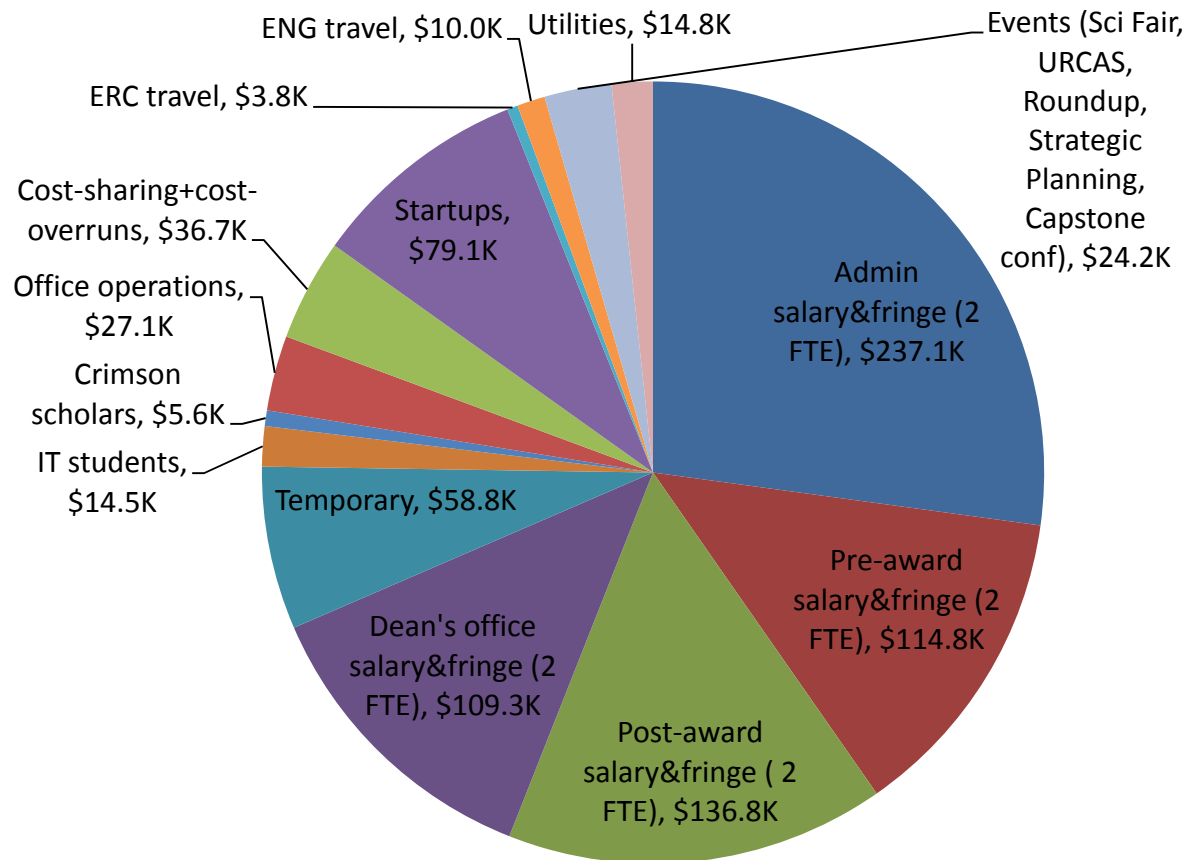
# Distribution of College of Engineering generated F&A 2012-2013 (\$2.74M)



How is it spent by the College?



# ERC Expenses FY 2012-13 (\$872K)



# Who is the NMSU College of Engineering

We are a faculty and staff dedicated to providing a unique balance of knowledge creation and meaningful educational experiences to a diverse student population



# Goals for NMSU COE Research

- Stabilize current federal expenditure levels in a changing federal landscape
  - Disappearance of federal earmarks
  - Low funding rates for competitive proposals
- Grow population of highly-motivated Ph.D. Students
- Provide support for faculty to collect preliminary data
- Build on research strengths and emerging strengths with strategic research hiring (creating teams)
- Create opportunities for partnerships among faculty, across colleges and across institutions (transdisciplinary, convergent)
- Pursue non-federal research funding, including industry, local, etc.

# Research Strengths

- Energy
- Water Resources
- Transportation
- Telecommunications
- Space Science and Aerospace



# Emerging strengths for research

- Engineering Education
- Advanced Materials



# College Initiatives to support PIs

- Operations
  - Pre-meetings of PIs with pre-award team
  - Electronic Proposal Award Form routing (piloted by ECE)
- Ph.D. enhancement stipends
- Mini-grants for preliminary data collection to strengthen proposals



# Update on NMSU progress towards improving research processes

- Research Processes Team, summer 2013
- Shared services center, A&S pilot summer 2014
- Research issues team, work ongoing