

SC INFRASTRUCTURE MODERNIZATION INITIATIVE

- A critical component of the Office of Science (SC) Strategic Plan is to establish a modern laboratory system, fully capable of delivering the science our Nation requires. However, line item funding for general purpose infrastructure improvements has not kept pace with the deterioration and obsolescence of the aging SC laboratories. A substantial backlog of modernization needs has resulted. To address this backlog SC is proposing an Infrastructure Initiative starting in FY 2009 to modernize the general purpose infrastructure at the ten major laboratories.
- The Infrastructure Initiative will increase capital investment to achieve two goals:
 - 1) Provide the modern laboratory infrastructure needed to deliver the advances in science our Nation requires to remain competitive in the 21st century, and
 - 2) Correct longstanding deficiencies to ensure laboratory infrastructure provides a safe, quality workplace.
- Under the Initiative, Science Laboratories Infrastructure Construction funding will increase from \$84M in FY 2009 to approximately \$200M in FY 2013 and remain at that level after FY 2013. The additional funding will be used to renovate space that does not meet research needs, replace facilities that are not cost effective to renovate or operate, modernize utility systems to prevent failures and ensure efficiency, and remove excess facilities to allow safe and efficient operations at each laboratory.
- As currently estimated, approximately \$247M of deferred maintenance will be eliminated, approximately 1.8 million square feet of modern building space will be added, 1.6 million square feet of obsolete building space will be eliminated, and 1.2M square feet of space will be renovated at a total cost of ~\$2.1 billion.
- SC will review the projects the laboratories have proposed to ensure that each project is linked to mission requirements and select those projects for implementation that will achieve the greatest results. Metrics have been established to measure progress in meeting the Initiative's goals and include improvement in Asset Condition Index, elimination of excess facilities, reduction of deferred maintenance, and reduction of operating and maintenance costs.

- As part of the Initiative, General Plant Project (GPP) funds for general purpose activities will no longer be direct funded and labs will be required to address such needs using Institutional GPP which is funded from laboratory overhead.
- The Initiative is one part of SC's overall asset management strategy, which also includes adequate maintenance investment and deferred maintenance reduction.