

II. THE VISION

Institutional Vision for the Physical Plant

The vision is to provide a comprehensive site wide plan to guide future Laboratory growth and promote and plan for an attractive work environment conducive to research and mission success. To accomplish the vision, primary goals are to:

- advance ongoing revitalization and maintenance so the Laboratory's work can be safely and efficiently performed,
- develop facilities that support and contribute to the core competencies of the Laboratory,
- create an efficient place to work that is comfortable, safe, secure and aesthetically pleasing, and
- create an environment that contributes to attracting and keeping top-quality personnel.

Planning Principles

The Laboratory's Site Planning and Construction Committee (SPCC) reviewed and adopted the following planning principles to

support the institutional vision and to guide project development.

CSP Planning Principles

- ***Integrate*** the Laboratory's planning elements into the development process. The planning elements are land use, transportation, security, utilities, facilities, environment/safety/health and quality environment.
- Plan for ***long range*** occupancy and programmatic needs. Facilities should be planned to accommodate the dynamic scientific future as well as meet current needs.
- Plan ***flexibility*** into facilities to accommodate change in existing and emerging missions and programmatic needs.
- Support ***partnerships*** between Laboratory programs and private enterprises. Develop stakeholder support at the local and regional levels.
- Improve ***transportation and utility infrastructure systems*** regionally and Laboratory wide to provide reliable service capacity, enhance traffic safety, upgrade operations and activities, reduce energy costs and improve security.
- ***Upgrade facilities*** by replacing temporary, outmoded and substandard facilities with new, permanent or renovated facilities as appropriate.
- Create ***quality work environments*** that are safe, environmentally sound and physically attractive. Design environments for people to interact and exchange ideas.

Strategies

Strategies to implement the planning principles are identified below.

1. Comprehensively Plan for Long Range

Comprehensively plan the long-range (10-year) development of the Laboratory's physical plant. Comprehensive site planning contributes to the Laboratory's mission by aligning program needs with facility capabilities and needs to derive the most benefit from development investment.

2. Coordination with Site Wide Environmental Impact Statement

The Site Wide Environmental Impact Statement process helps to assess the environmental impact of Laboratory programs and decisions. Specific actions listed in the plan either have been or will be coordinated with NEPA review.

3. Reorganize Facilities

Reorganize facilities to bring disbursed program components into closer physical proximity to each other for operational efficiency and enhanced staff interaction.

4. Infill and Revitalize

Encourage construction of new facilities within existing developed areas and support revitalization efforts. TA-03 revitalization is a major effort in this strategy.

5. Replace Temporary and Aging Facilities

Replace, remove or decommission temporary, aging and/or contaminated facilities to control the high cost of maintaining these structures.

Replacement with new, permanent or revitalized facilities will control and reduce operational costs.

6. Manage Infrastructure Extensions

Future infrastructure development will emphasize upgrading and/or replacing existing utility systems. Extension of new infrastructure into undeveloped "greenfield" areas will be permitted only for major mission-directed programs requiring facilities that cannot be located within existing developed areas of the Laboratory.

7. Consolidate Security Zones

Consolidate special nuclear materials facilities into a single zone whenever possible. Organize high-security facilities close to one another to avoid security conflicts with nonsecure facilities.

8. Consolidate Support Facilities

Consolidate support facilities to locations with access to roads that avoid truck and delivery routes through densely developed areas and/or secure areas of the site.

9. Manage Facility Space as an Asset

The cornerstone of integrated space management will be stewardship of the Laboratory's physical assets as valuable national resources from acquisition through operation and disposition.

10. Match Space to Work

A facilities strategy is to create work spaces that appropriately match the tasks being done in those spaces.

11. Relocate Work in Leased Facilities to Laboratory Land

Relocate most facilities to Laboratory sites. In particular most sites north of Los Alamos Canyon should be relocated onto Laboratory land south of the canyon.

12. Develop Quality Work Environment Improvements with Each Project

In the future, project planning should identify, incorporate and budget for environmental enhancements such as pedestrian walks, sitting areas, bus shelters, etc.

13. Develop a Secure and Safe Road System

Develop the road network to enhance the regional road system and reduce long term conflicts between Laboratory development and public traffic uses. Specific improvements include a loop road around TA-03 to remove public traffic from the core areas of TA-03, reduce traffic conflicts, and enhance safety and security concerns.