

# Study the Potential to Consolidate Campus Storage for New Mexico State University, Las Cruces, NM

New Mexico State University (NMSU) asked Architectural Research Consultants, Incorporated (ARC) to study the feasibility of consolidating campus storage into a central facility. Such concentration would avoid the strain of relegating academic facilities for inefficient storage purposes, or reopening former storage areas that have already been removed from NMSU's space inventory.

ARC implemented a study process that identified NMSU's existing storage supply and demand characteristics. On the demand side, the study examined the types of existing storage flows and surveyed potential users about their storage needs. On the supply side, ARC identified all existing facilities with significant and viable storage capacity. Finally, ARC provided recommendations to address the gaps of storage supply.

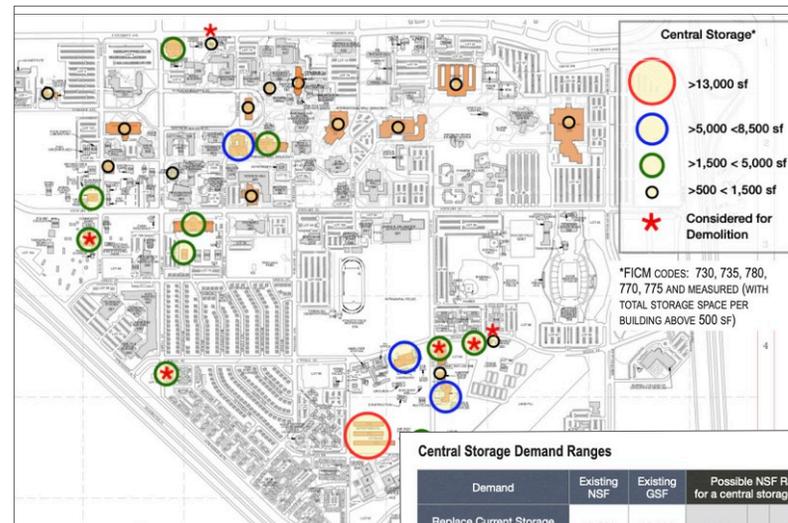
ARC found opportunities to replace inefficient storage conditions with dedicated storage areas better optimized for the purpose, improving NMSU's space utilization and reducing its overall storage usage.

After conducting this analysis, ARC identified the characteristics of a possible centralized storage facility and a range of raw order of magnitude costs for construction.

ARC recommended further steps for efficiency, including strengthening university policies to decrease the tendency to accumulate on-site material beyond its required retention policy. NMSU measures would also follow up with opportunities to reclaim the space identified in the study.

**Client:** New Mexico State University

**Completion:** 2022



*Above: Storage locations*

*Right: Estimates of storage demand*

*Below: Storage flows*

Demand	Existing NSF	Existing GSF	Possible NSF Range for a central storage facility	Note
Replace Current Storage Facilities to be demolished	15,500	35,820	9,300 - 12,400	Assumes more efficient space use - 20% (high) to 40% (low) by use of a facility optimized for storage
Other Academic Demand (Repurpose existing space)	7,500	12,000	4,500 - 6,000	A preliminary estimate of current space use (accounting for STEM) and assumes more efficient space use - 20% (high) to 40% (low) by use of a facility optimized for storage
Contingency @ 15% (rounded)			2,000 - 3,000	Contingency to account for incomplete data regarding academic demand and possible future growth
<b>Total Net Square feet</b>	<b>23,000</b>		<b>15,800 - 21,400</b>	
<b>Gross Square Feet</b>		<b>47,820</b>	<b>19,800 - 26,800</b>	Adds 20% for support spaces and tare (loading dock, mechanical, administrative office, restrooms, walls)

