

LARC 20 YEAR REVITALIZATION PLAN



A Comprehensive Strategy for Facilities and Laboratories



Center Revitalization Plan Elements



Langley's Revitalization Plan represents a cohesive, comprehensive, and integrated plan that charts a path towards a more sustainable infrastructure in support of the Agency Master Plan

- ❖ Incorporates technical roadmaps, core competencies and Agency and Center Master Plans to guide investment/divestment decisions
 - Decadal Studies, National Aeronautics R&D Policy and Plan, Test and Evaluation Infrastructure Plan, and NASA Strategic Plan
 - Agency Master Plan and Center Master Plan
 - NRC and RAND Reports
 - NASA Sustainability Plan
 - Discipline Strategic Plans and Future Facilities Studies
 - LaRC Data Center Consolidation Plan



Figures of Merit



❖ Relevance to the NASA Mission

- Supports Multiple NASA Mission Directorates (current and future)
- Ability to Sustain/Develop Core Competency

❖ Utilization

- Usage rates
- Enables our competitiveness/Reimbursable opportunities

❖ Cost of Ownership

- Maintenance and Utility Costs
- Deferred Maintenance / Facility Condition Assessment (FCA)

❖ Linkage to Master Plan (including New Town Strategy)

- Central to Core Campus
- **Sustainability** / Energy Efficiency
- Elevation Based Planning
 - Managed Retreat (especially from the LAFB East Area, North 40)
 - NASA policy on Master Planning and Land Management

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Overarching Revitalization Decisions

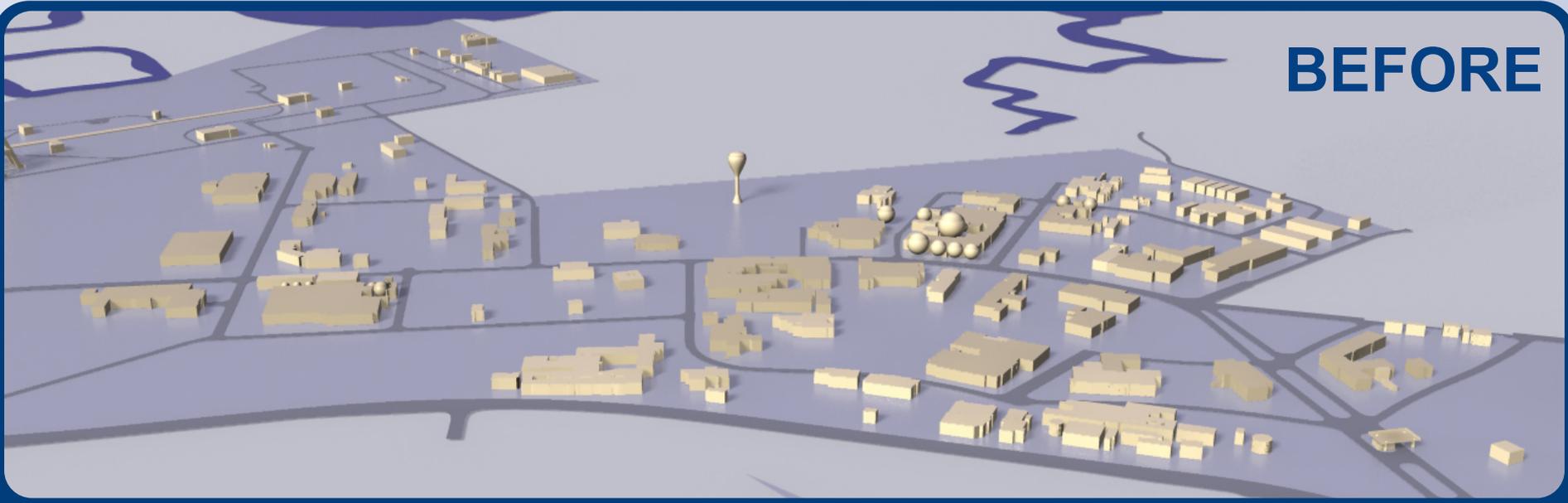


- ❖ Sustain / enhance essential in-house experimental capability
- ❖ Enable multi-disciplinary integrated systems capability
- ❖ Incorporate Computational Simulation as a cross-cutting capability in everything we do
- ❖ Continually assess the needs of NASA's missions and divest of facilities (even large ones) when it no longer makes sense for the mission and the national good

20 Year **ViTAL** Transformation



BEFORE



AFTER



 **New**  **Rehab**