### Project Deliverables

#### PLANNING
- **Capital Planning**
  - Business Case
  - Project Risks Identification
  - Proposed Solution Analysis
  - Comprehensive Master Plan
  - Cost Estimate - Screening
  - Operating Cost Estimate
  - Energy Cost Estimate
  - Capital Budget Funding Source Identification
  - Building Program Statement – Initial
  - Deliverables Check-list Verification

- **Programming**
  - Facilities Resources Committee Charge Letter
  - Core Project Team Established
  - Project Kick-off
  - Programming Work Plan
  - Project Delivery, Procurement & Contracting Strategy
  - Risk Management Plan – Initial
  - Operational Readiness Plan – Initial
  - Integrated Project Plan – Initial
  - Completed Project Program
  - Sustainability Strategy – Initial
  - BIM Execution Plan – Initial
  - Programming Consultant(s) Agreement(s)
  - Environmental Impact Study / Social Impact
  - Feasibility/Comparative Study
  - Cost Estimate – Concept
  - Planning Phase Lessons Learned Review
  - Project Charter – Initial
  - PRC Approves Program Statement
  - Designer Selection Approval
  - Design Funding Request Approval
  - Architectural/Engineering Agreements
  - Deliverables Check-list Verification

#### DEVELOPMENT
- **Schematic Design**
  - Development Phase Kick-off
  - Development Phase Workplan - Initial
  - Program Verification
  - Commissioning, Survey, and Geotechnical Services Agreements
  - Geotechnical Analysis
  - Project Delivery Procurement & Contracting Method Selection
  - Construction Manager Pre-Construction Agreement
  - Initial Commissioning Plan
  - Energy and Operating Cost Estimate – Updated
  - Cost Estimate – Schematic (-15%, +25%)
  - Project Charter – Update
  - Complete Set of Schematic Design Documents
  - Schematic Design Review, Comments and Approval
  - Regulatory Compliance Plan – Initial
  - Deliverables Check-list Verification

- **Design Development**
  - Development Phase Workplan - Update
  - MBE / WBE Procurement Strategies
  - Project and Building Safety Plan
  - Sustainability Project Strategy Update
  - Integrated Project Plan - Update
  - Constructability Analysis – Initial
  - Project Charter - Final
  - Complete Set of Design Development Documents
  - Design Development Review Comments and Approval
  - Cost Estimate – Design Development (-15%, +15%)
  - Design Freeze Authorization
  - Deliverables Check-list Verification

- **Construction Documents**
  - Integrated Project Plan - Final
  - Utility Demand and Consumption Estimate – Update
  - New Energy Source Title V Compliance
  - Constructability Analysis – Final
  - Regulatory Compliance Plan – Final
  - Project Charter - Final
  - Building Permits
  - Land Development and Zoning Submittal Package
  - Project and Building Safety Plan – Final
  - BIM Execution Plan – Final
  - Complete set of Construction Documents
  - Deliverables Check-list Verification

#### DELIVERY
- **Construction**
  - Final Job Conference and 'Job Kit'
  - Final Commissioning and Start-up Plan
  - Compliance and Regulatory Inspections
  - Certificate of Occupancy
  - Substantial Completion
  - Punch Lists - Final
  - Deliverables Check-list Verification

- **Closeout & Turnover**
  - Final Job Cost Report
  - User & Maintenance Turnover Letter(s)
  - Operations & Maintenance Manuals
  - Record Set Drawings
  - Building Systems Training
  - Risk Management Report – Final
  - Delivery Phase Lessons Learned Review
  - Punch Lists - Completed
  - Deliverables Check-list Verification

- **Design**
  - Service Provider Evaluations
  - Add'l Stock Turnover
  - Facilities Care, Custody and Control Acceptance Notice
  - Project Closeout Report
  - Project Lessons Learned Review
  - Job Closing Checklist
  - Deliverables Check-list Verification

#### OPERATIONS
- **Recommended Deliverables**
  - Deliverables Check-list Verification

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**THE PENNSYLVANIA STATE UNIVERSITY**

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