Utility Projects

Fuel Supply Improvements
This project would increase fuel supply throughput by upgrading the existing fuel supply pipeline or providing a supplemental pipeline.

Separation of Fire and Domestic Water Systems
The existing combined fire and domestic main waterline would be replaced with a dual waterline system, preventing stagnation in the potable water system.

Relocate Fuel Vault Test Station
To accommodate the Race Track and provide a standard clearance for Taxiway Z, the drain and vent structure associated with Aviation Fuel Vault #5 would require modification.

B/A H Utility Extensions
Aviation fuel, natural gas, and potable water main lines would be relocated to serve B/A H. The exact configuration would be determined during project programming for the boarding area.

Relocate Central Utility Plant
A new CUP would be located southwest of the proposed B/A H expansion and would allow Airport management to achieve its Sustainability and Zero Impact Objective Policies.

Boarding Area A and G 400 Hertz System Upgrade
This project would install additional 400 hertz power systems to increase available capacity in B/A and G to support the additional electrical loads required for many new widebody aircraft.

Wastewater System
Improvements to the wastewater system infrastructure would include:
- Industrial wastewater treatment
- Recycled water distribution
- Storm drainage pipelines
- Sewer system
- Sewer outfall
- Industrial waste system

New Fuel Storage Tanks
This project would construct two 75,000-barrel fuel storage tanks to provide additional on-Airport storage capacity necessary to maintain sufficient supply during tank closures for regular maintenance, extended outages, and contingency for fuel supply interruptions.

Lot DD Utilities Improvements
This project would construct an Industrial Waste Line from Lot DD to the Bus Vehicle Maintenance Yard.

Airport Shoreline Protection Project – Sea Level Rise
For protection against sea level rise, the seawall along San Francisco Bay would be improved.

Airport Shoreline Protection Project – Flood Control
For protection against flooding, all remaining gaps within the existing seawall along San Francisco Bay would be filled, potential water infiltration paths would be closed, and additional flood control protection would be established at existing seawalls.

Perimeter Intrusion Detection System
This project would install a ground-based radar perimeter intrusion detection system comprising of multiple radar units located at points on Airport property to detect objects over large open areas such as the waterfront and airfield.

Airfield Utility Improvements
Modifications to underground utilities would be necessary to eliminate conflicts with proposed airfield modifications.

Airport-wide GSE Electrical Infrastructure
This project would install or upgrade power distribution equipment and electrical infrastructure in support of electrical powered GSE vehicles.

Central Utility Plant Improvement
The CUP Chiller No. 1 Improvement Project would replace existing Chiller No. 1 with a new unit that would result in lower operating costs and improved environmental performance.

Upgrade Substation M
Substation M, located west of Highway 101, would be expanded to include a second 55 megavolt ampere (MVA) transformer, related switchgear, and protection equipment to support the anticipated increase in electrical demand associated with future Airport development.

SFO and City of Millbrae Water Tie-ins
This project would install equipment to tie in the domestic water systems between SFO and the City of Millbrae.

Wastewater System
Improvements to the wastewater system infrastructure would include:
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LEGEND
- Ongoing Projects
- ADP Projects