

SAN DIEGO

International Airport



AIRPORT MASTER PLAN
SAN DIEGO INTERNATIONAL AIRPORT

SECTION 7.5

Facility Requirements Summary

7.5 Facility Requirements Summary

The facility requirements have been summarized in the following text and charts for ease of reference. The following charts were used to provide a summary of facility requirements in a presentation to the Authority board on April 10, 2006.

7.5.1 Airfield

The Airfield facility requirements are listed in the following bullet points. Because the airfield facility requirements cannot be quantified numerically, there are no accompanying charts. Detailed information regarding the Airfield facility requirements is located in Section 7.1 of the Master Plan document.

- Continue implementation of existing Capital Improvement Program (CIP).
- Implement improvements to Taxiway B that will allow Group V aircraft to taxi along its entire length.
- Implement improvements to Taxiway C that will allow Group V aircraft to taxi along its entire length.
- Provide a holding apron at the Runway 27 departure end.
- Construct additional remain-over-night (RON) parking, particularly on south side of airfield in the vicinity of the terminal area.
- Implement improvements to the Runway 9 & 27 precision approaches and continue to explore new and developing technology such as GPS.
- Construct an additional taxiway south of, and parallel to Taxiway B.

7.5.2 Terminal

The Terminal facility requirements are summarized in the following bullet points and in the Charts in **Figures 7.5-1** through **7.5-3**. Detailed information regarding the Terminal facility requirements is located in Section 7.2 of the Master Plan document.

- Expanded terminal areas are required to provide safe and efficient facilities for passengers.
- Gate requirements are incremental, with additional gates needed each year to accommodate forecast passenger growth through 2015.
- The time frame for facility design, environmental review and construction is a minimum of three years.

7.5.3 Ground Transportation

Ground Transportation facility requirements are summarized in the following bullet points and in **Figures 7.5-4** through **7.5-9**. Detailed information regarding the Ground Transportation facility requirements is located in Section 7.3 of the Master Plan document.

- The combined requirements for rental car facilities and parking facilities will exceed the available land within the existing airport property when airport support facility requirements are also considered.
- Implementation of new and improved facilities must balance the needs of each facility.

7. Facility Requirements Analysis

7.5.4 Airport Support

Airport Support facility requirements are summarized in the following bullet points and in **Figures 7.5-10** through **7.5-13**. Detailed information regarding the Airport Support facility requirements is located in Section 7.4 of the Master Plan document.

- The combined requirements for cargo requirements and general aviation requirements exceed the available land within the existing airport property when ground transportation facility requirements are also considered.
- Implementation of new and improved facilities must balance the needs of each facility.

Terminal Space Requirements (square feet)

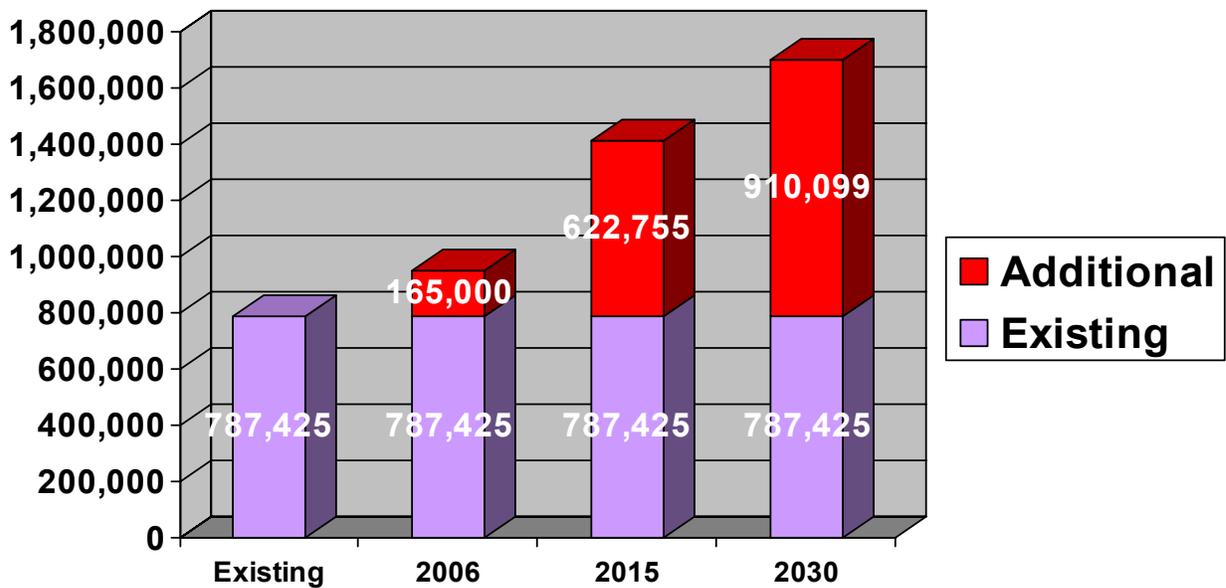


Figure 7.5-1

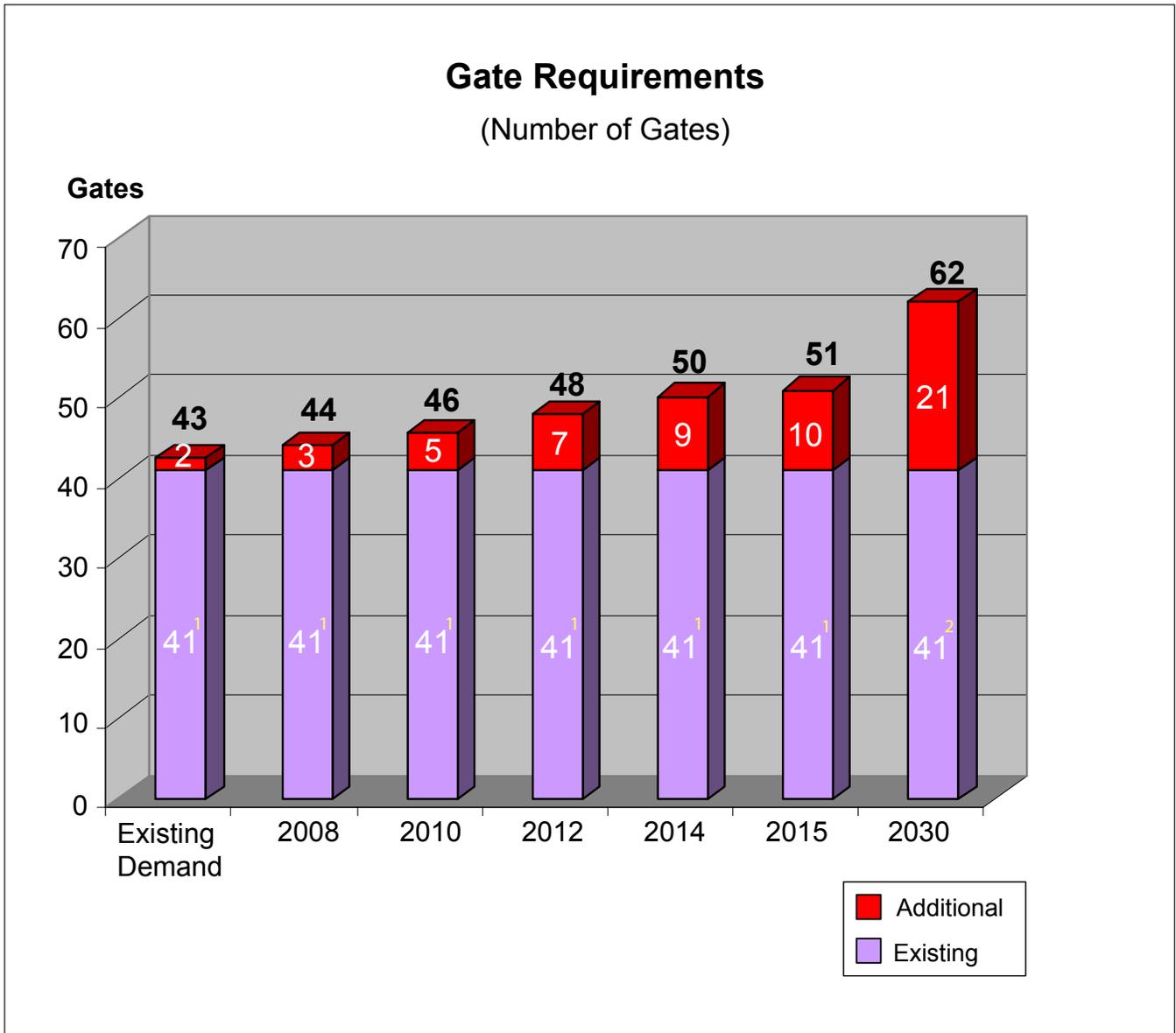
Terminal Space Requirements



Notes: 1. In any given year, real need for gates may vary by one or two because of year-to-year variations in airline schedules & operations.
2. Gate requirement estimates do not include spare gates.

Figure 7.5-2

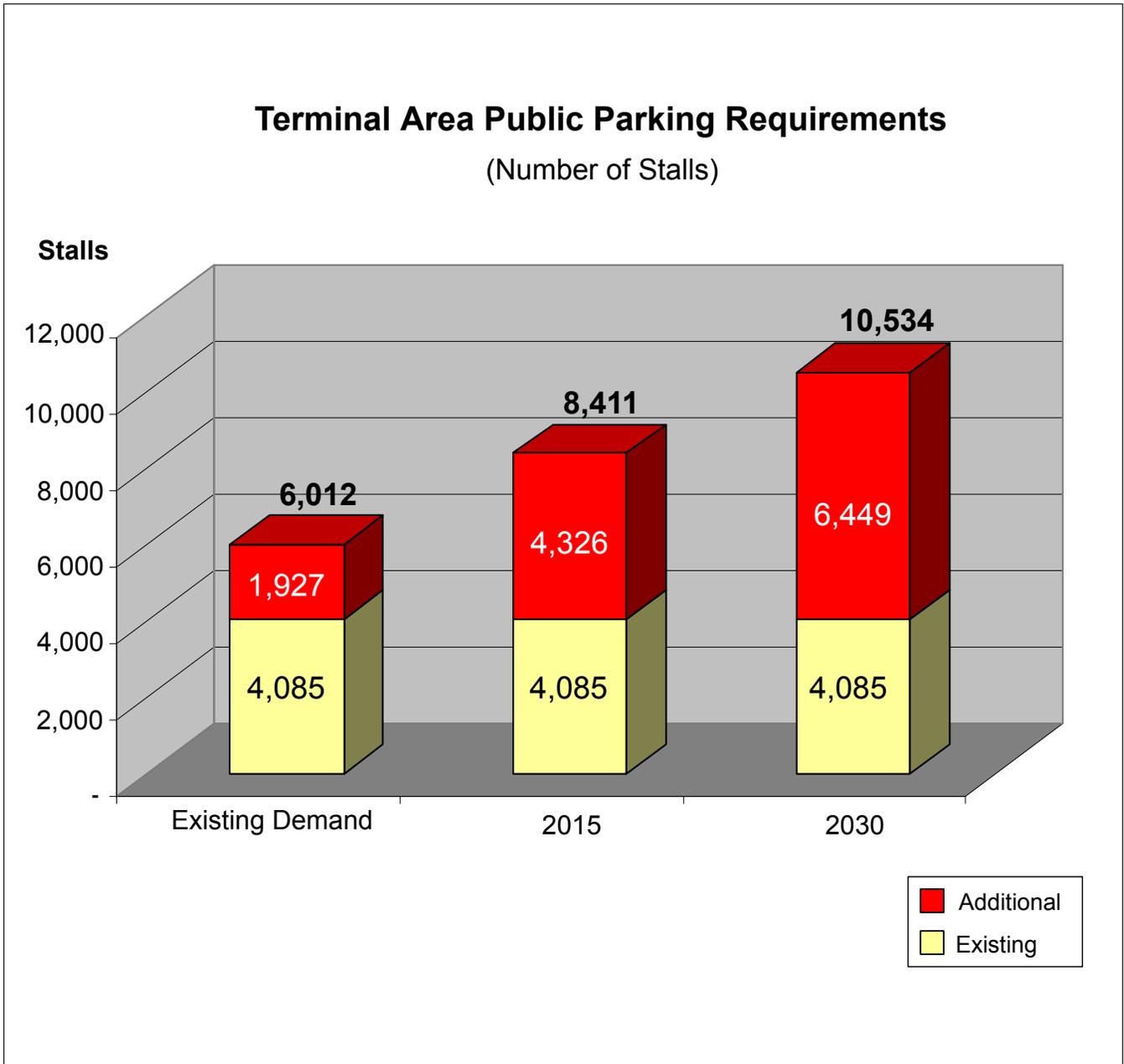
Gate Requirements



Note: In any given year, the real need for gates may vary by one or two because of year-to-year variations in airline schedules and operations.
 1=+5 commuter gates/parking positions
 2=+3 commuter gates/parking positions

Figure 7.5-3

Gate Requirements



Note: The existing 4,085 stalls includes SAN Park NTC.

Figure 7.5-4

Terminal Area Short and Long-Term Public Parking

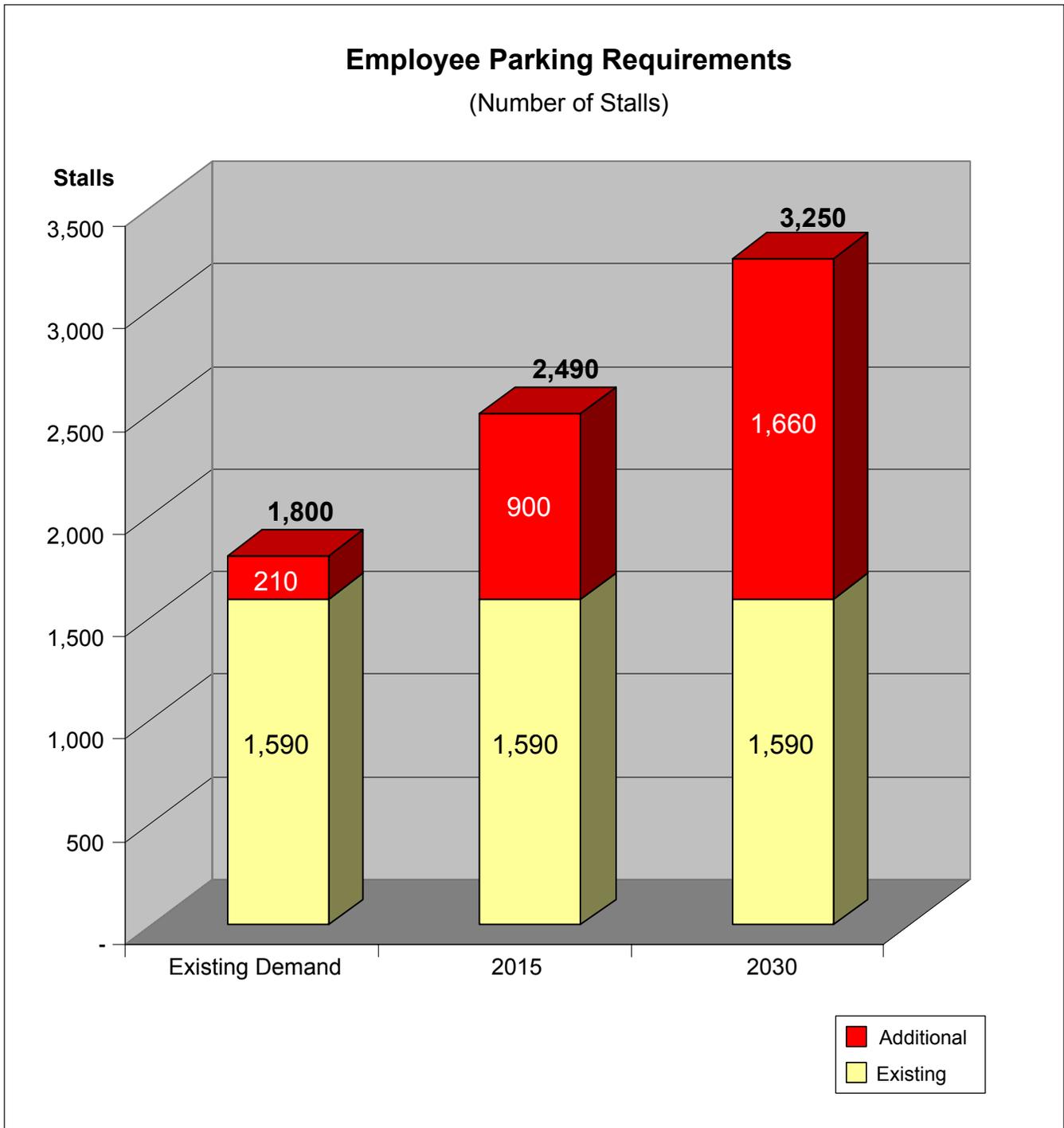
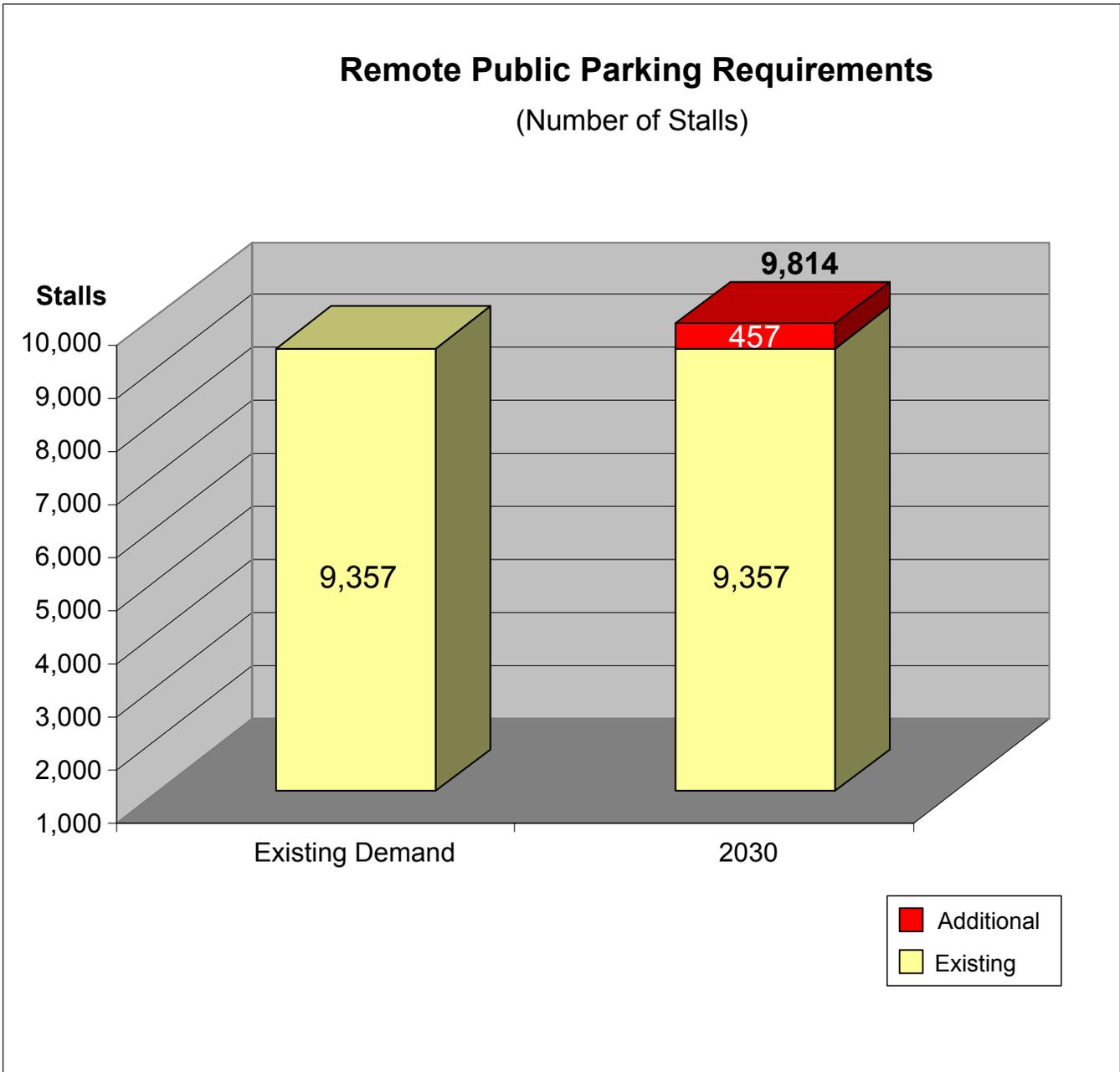


Figure 7.5-5

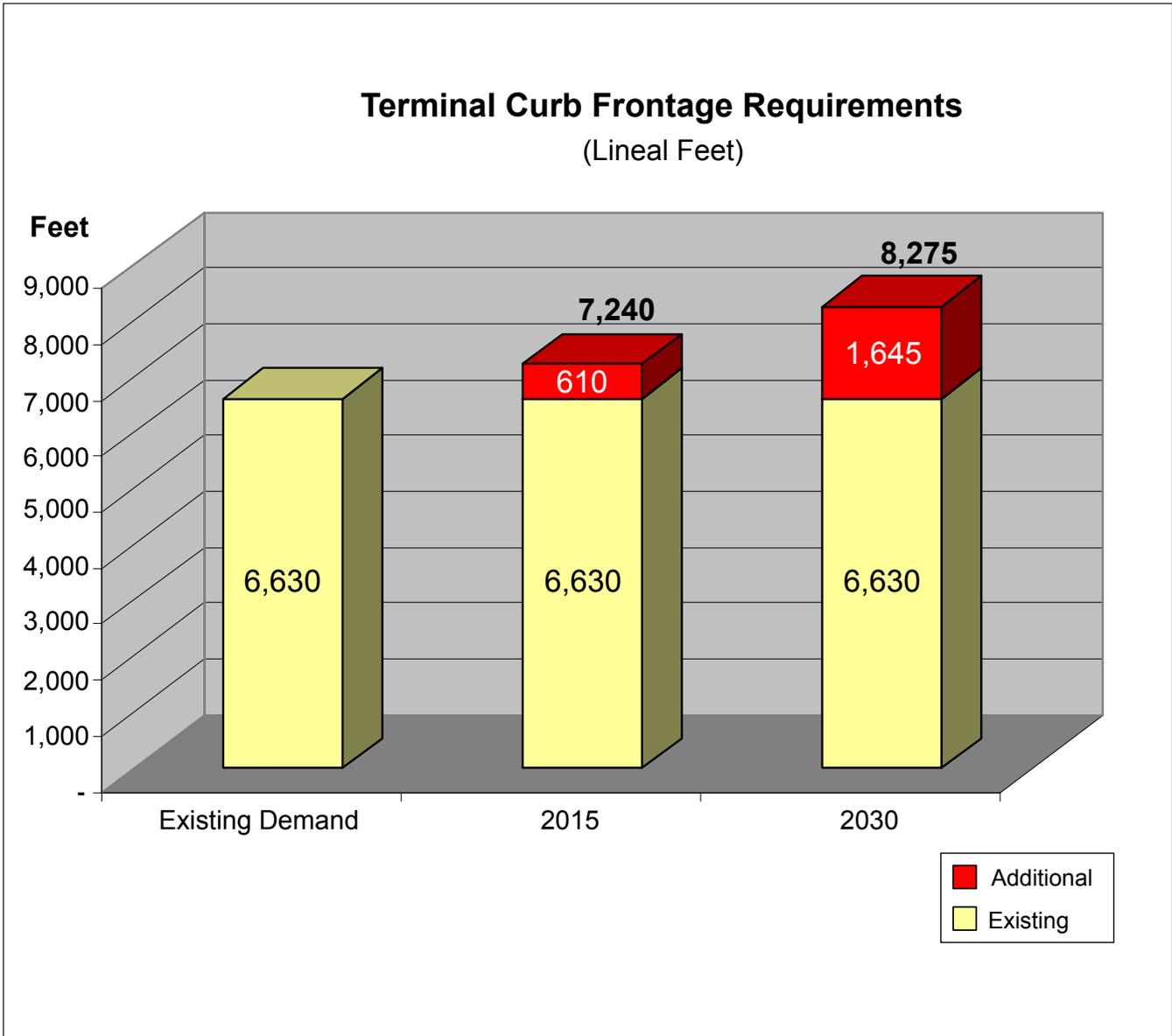
Employee Parking Stalls



Note: Includes SAN Park Harbor Drive and SAN Park Pacific Highway

Figure 7.5-6

Remote Long-Term Public Parking



Note: Existing curb front is not evenly distributed among terminals resulting in congestion at Terminal 1 East

Figure 7.5-7

Terminal Curb Frontage

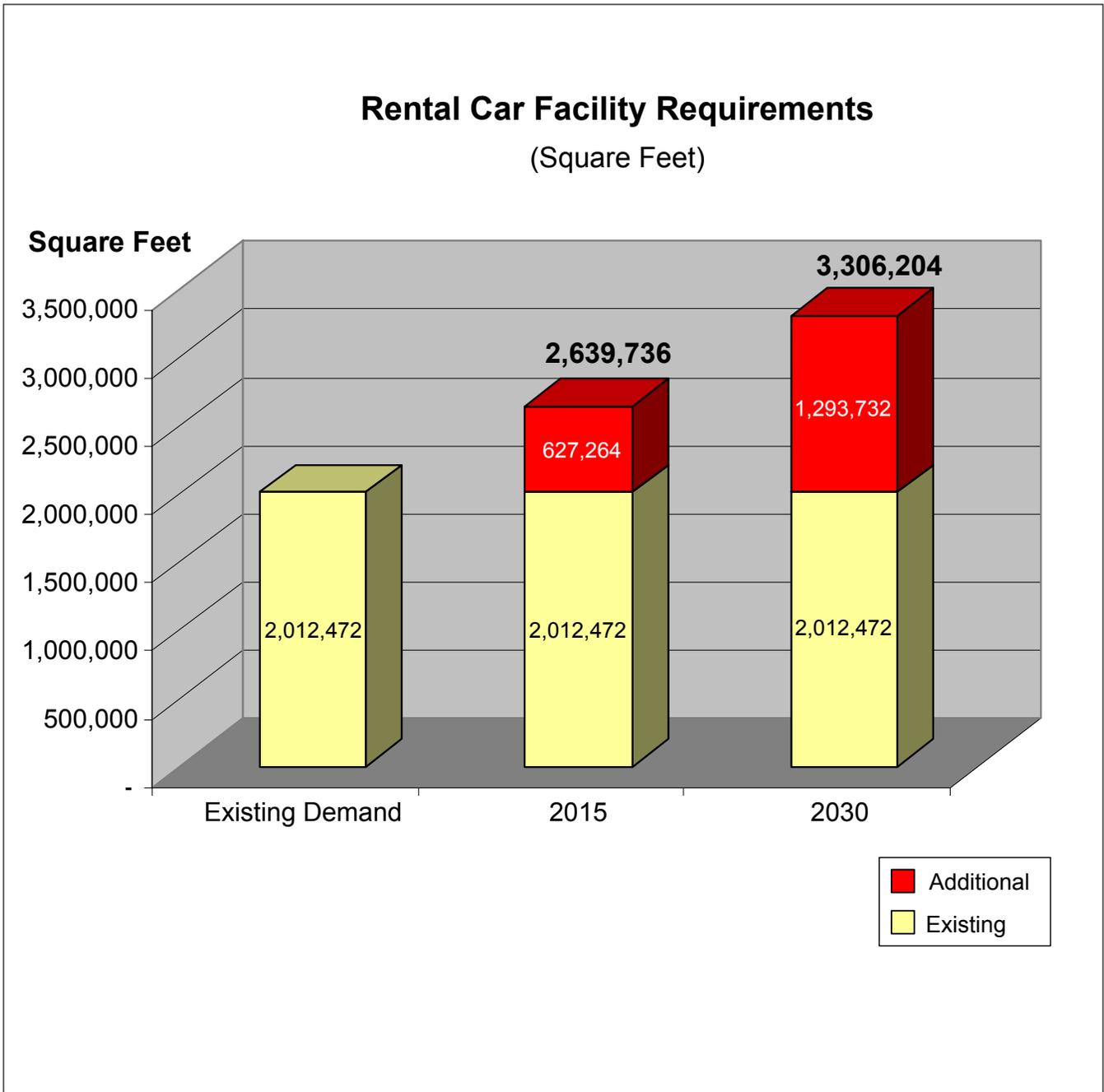
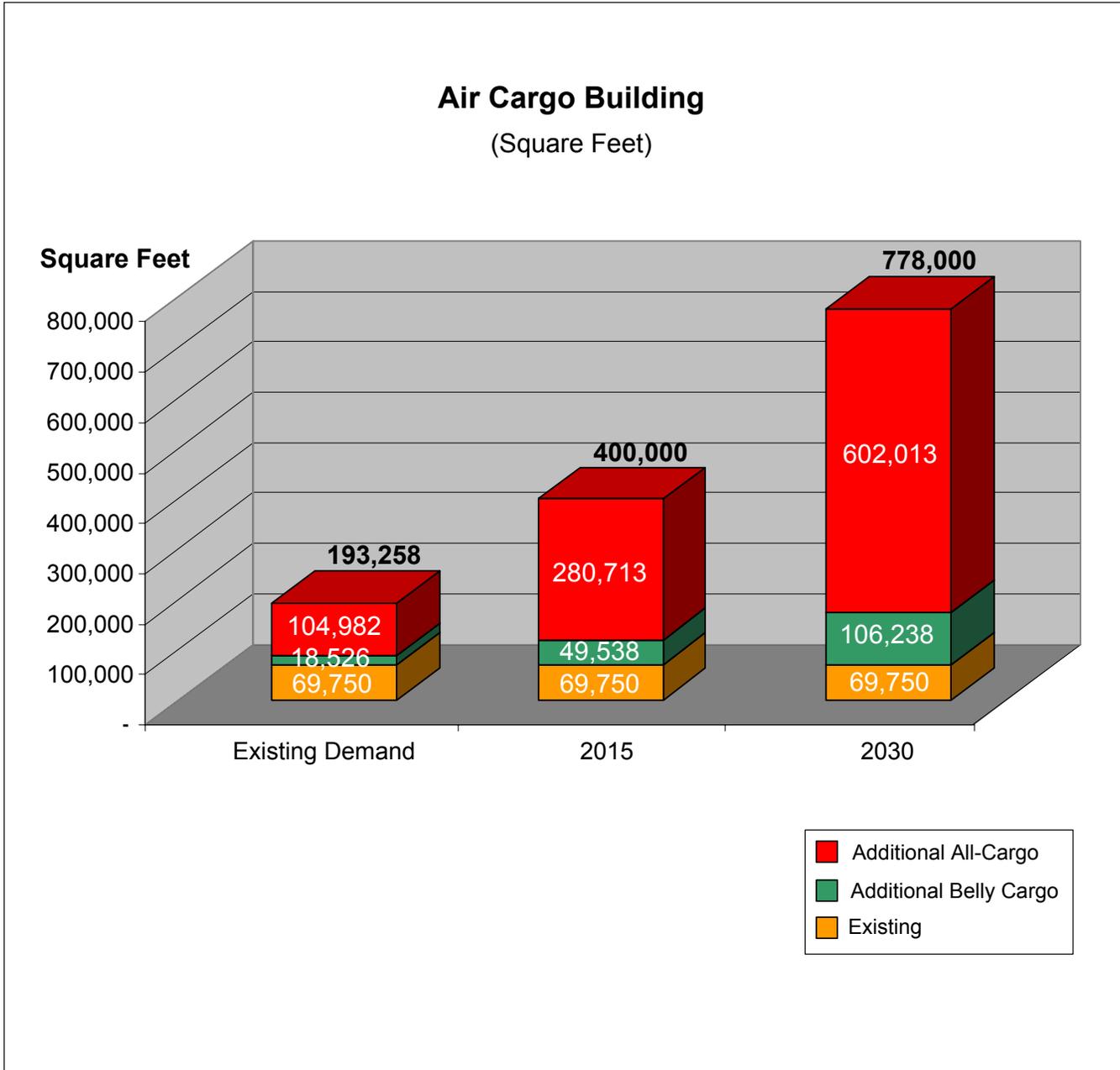


Figure 7.5-8

Rental Car Facilities



Note: Belly Cargo Accounts for Approximately 15% of Total Cargo at SDIA

Figure 7.5-9

Air Cargo Building

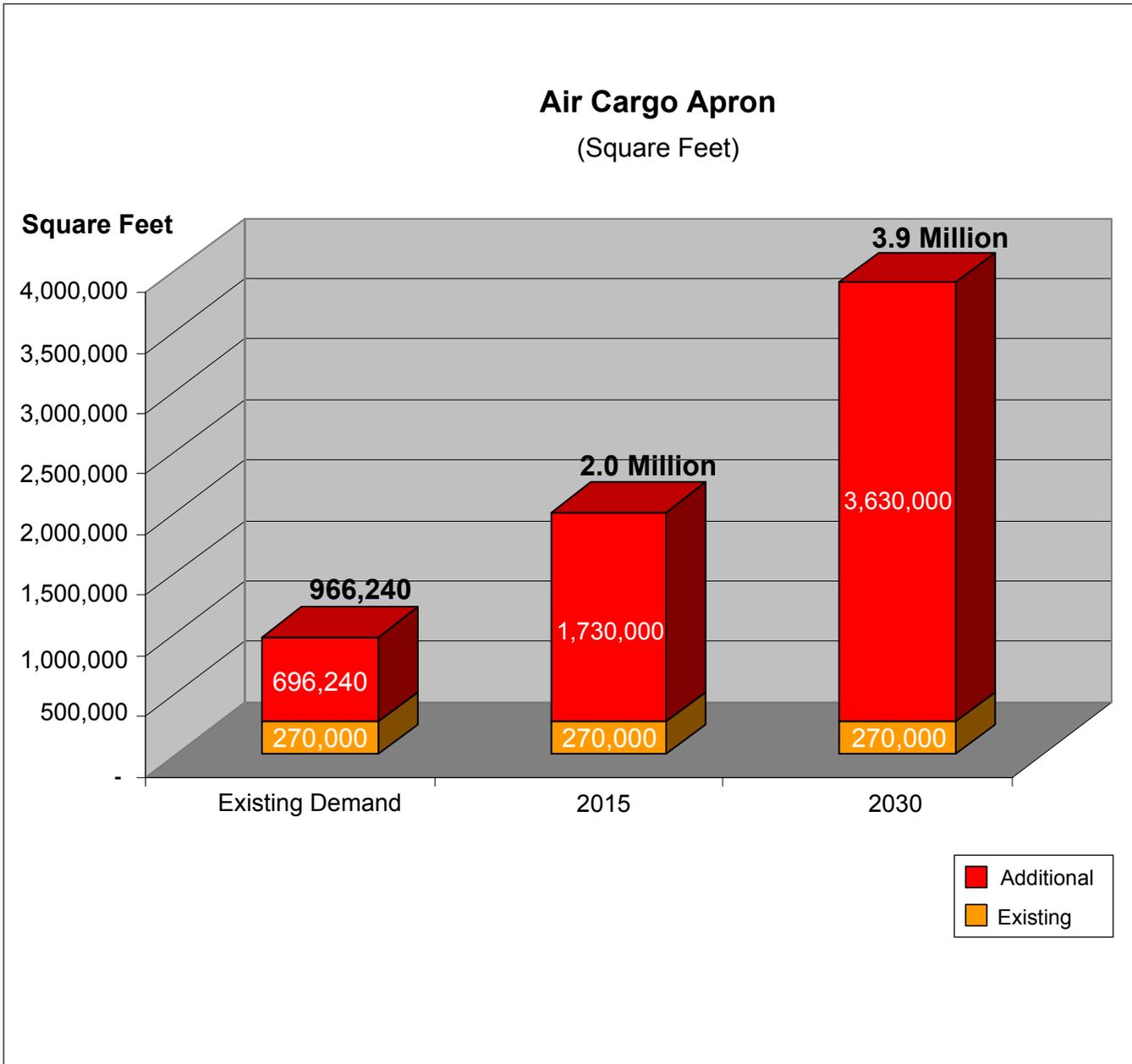


Figure 7.5-10

Air Cargo Apron

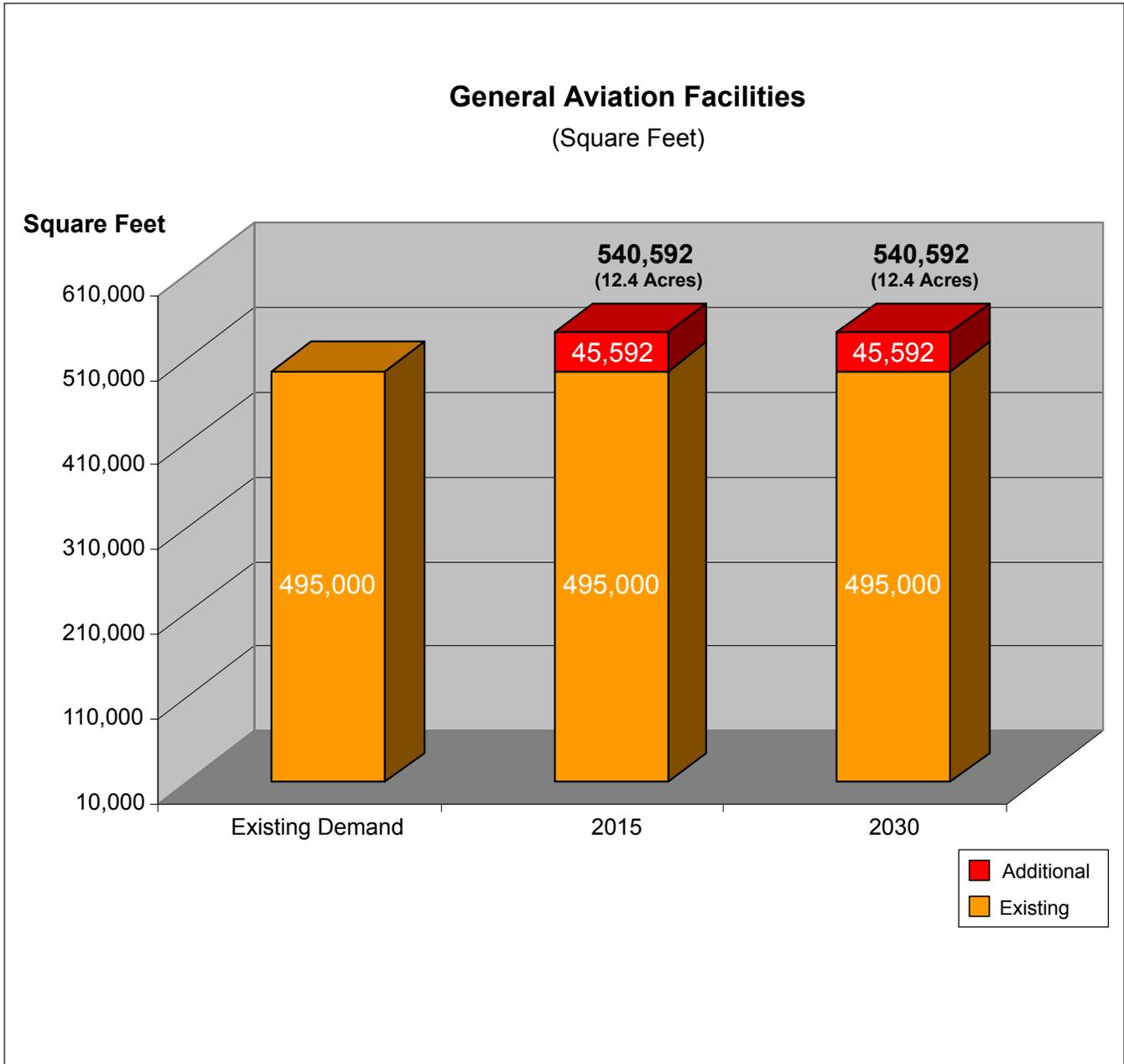


Figure 7.5-11

General Aviation

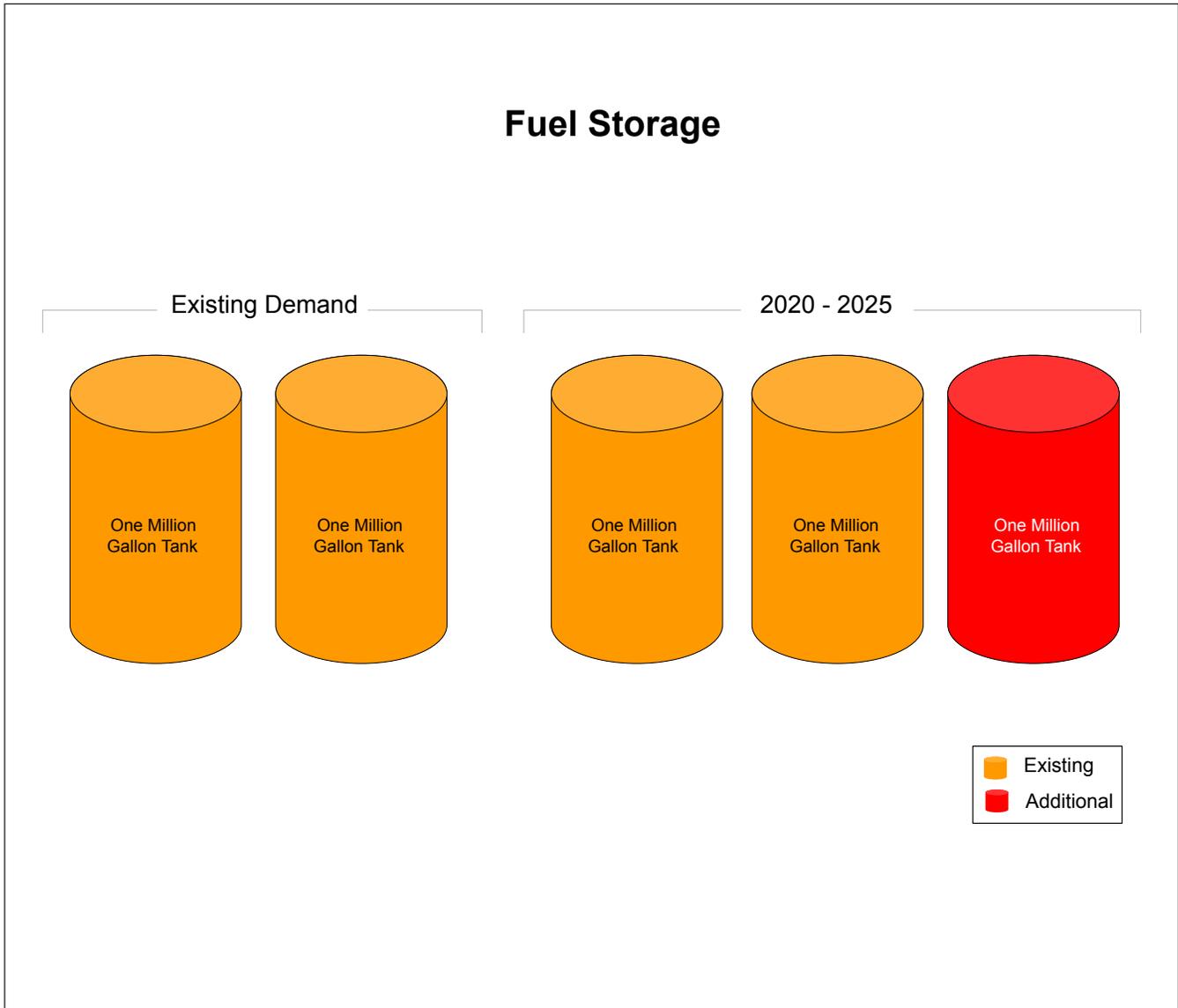


Figure 7.5-12

Fuel Storage

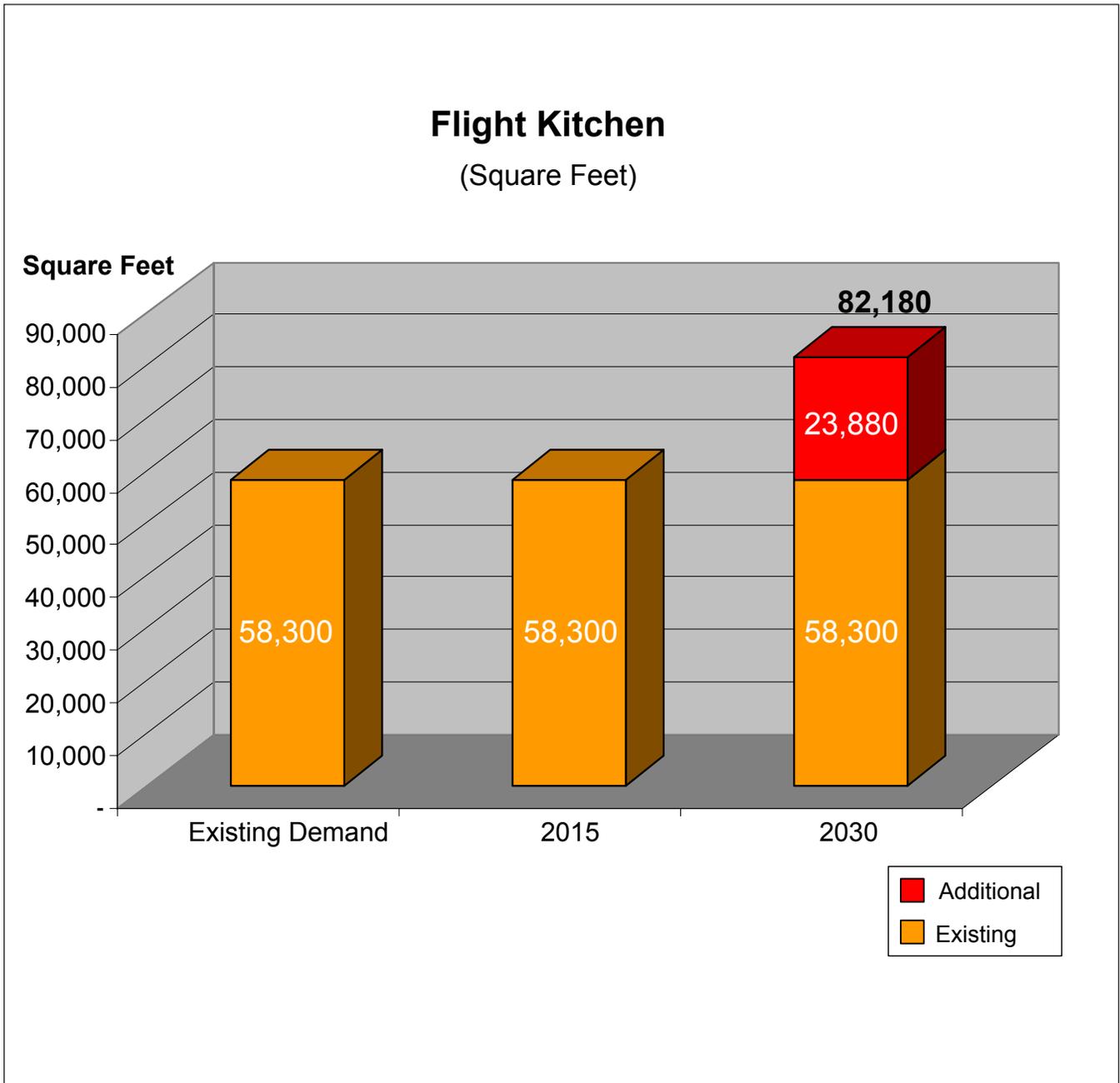


Figure 7.5-13

Flight Kitchen