

**PORT OF SEATTLE**  
**MEMORANDUM**

**COMMISSION AGENDA**

**Item No.** \_\_\_\_\_ **7c**

**Date of Meeting** \_\_\_\_\_ **July 28, 2009**

**DATE:** July 22, 2009

**TO:** Tay Yoshitani, Chief Executive Officer

**FROM:** Richard Ottele, General Manager Aviation Facilities & Infrastructure  
John Christianson, General Manager Aviation Maintenance

**SUBJECT:** Sea-Tac International Airport Elevator/Escalator Renewal & Replacement Program.

**BACKGROUND**

Seattle Tacoma International Airport (Airport) is a multilevel facility that is very dependent on vertical transportation units (elevators and escalators) to support the smooth operation and through-put of the facility. The terminal, satellites, concourses and office building encompass over three (3) million square feet of space with vertical transportation serving eleven (11) levels. On a daily basis, some 50,000 to 100,000 passengers, airline staff, Transportation Security Administration and Customs and Border Patrol officials, concessionaires, Port staff and others depend on elevators and escalators to get to their flights, retrieve baggage, or perform their jobs at the Airport.

There are 81 elevators and 79 escalators at the Airport. Many of these units have exceeded their expected service life of 25 years and need to be replaced. As is typical with aging equipment, maintenance costs associated with breakdowns and repairs have escalated from under \$200,000 in 2003 to a projected \$1 million in 2009. A growing number of elevators and escalators are out of service for repairs at any one time, leading to inconvenience for travelers and disruptions to Airport operations. Although some equipment has been modernized over the past few years, it is now necessary to embark on a large replacement and renewal program.

This briefing will outline the Airport's plan to renew and replace these critical infrastructure elements the next four years (2010 – 2013) with an estimated cost of \$29 million modernization program.