



LONG BEACH AIRPORT
STATUS REPORT

Capital Improvement Program

Passenger Experience Program

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The Long Beach Airport is committed to providing excellent services and facilities in an intelligent, ecofriendly, safe and efficient manner respectful of our employees and the community that we serve; and to be a major driver in the economic stability of Long Beach.



CAPITAL IMPROVEMENT PROGRAM

PROCUREMENT Request for Qualifications/Proposals/Bids:

- **RFQ for On-Call Engineering, Architectural and Planning Consultant Services**
 - ◇ Scheduled for advertisement March 2013
- **Terminal Area Improvements**
 - ◇ Request for solar power purchase agreement and maintenance scheduled for advertisement
- **Access to Taxiways E & F, Phase II**
 - ◇ On hold pending FAA funding
- **Security Improvements (UASI 2011)**
 - ◇ Scheduled for advertisement summer 2013
- **Taxiway D N/O Rwy 25R and Taxiway A W/O Runway 12-30 Reconstruction**
 - ◇ Contract awarded
- **Runway 12-30 RSA Improvements SE End**
 - ◇ Scheduled for advertisement spring 2013
- **Taxilane J Rehabilitation Construction Bid**
 - ◇ Scheduled for advertisement spring 2013

PASSENGER CONCOURSE OPENING

An ambitious and long-awaited modernization plan at Long Beach Airport (LGB) took a giant leap forward on December 12, 2012, which marked the opening of the Airport's new passenger concourse five months early and under budget.

Under the \$45 million passenger concourse project, the Airport added a new, consolidated security screening area, north and south concourses, a garden space, and a retail and concessions program highlighting local flavors from unique Long Beach businesses. An outdoor boardwalk connects the two concourses and benches line the area where passengers can enjoy outdoor dining, relaxing in the garden and plane watching.

The concourse boasts state-of-the-art technology in the Flight Information Display systems, an iPad bar where travelers can order food to be delivered to their location, check email or surf the internet all with free wi-fi. In the TSA pre-check area stands AVA, a life-size, bilingual virtual assistant who gives travel advice prior to entering the TSA security checkpoint.

LGB's passenger concourse is now filled with resort-like amenities sure to impress the most seasoned traveler. The Airport's over 3 million annual passengers will have the opportunity to dine on local food, shop comfortably for sundries, and enjoy Long Beach's coveted weather in a lovely garden filled with plants native to Southern California.

Welcome to your new Long Beach Airport, where local is world-class!





PASSENGER EXPERIENCE PROGRAM (PEP)

The new Passenger Experience Program will focus on increasing “front of the house” land-side customer service. The program will include:

- Enhancements to Parking Lot A
- New rental car customer service building
- New rental car storage lot
- New ground transportation center
- New valet stand
- Terminal area roadway improvements
- Terminal area signage and signal enhancements
- Historic terminal restoration including HVAC and electrical upgrades
- New TSA processing area
- New airport offices
- Baggage claim area improvements
- Sky cap relocation
- Various landscape improvements
- Other miscellaneous enhancements

Due to the complexity and interrelated nature of the components, the program will be delivered through a Design-Build contract. The Design-Build firm will be selected based on qualifications, and subsequent task order costs will be negotiated (and the contract amended) following the award. This will allow closure and/or consolidation of many outstanding projects into one cohesive effort.



Rendering of new Lot A elevator.

PROJECTS IN PLANNING

Passenger Experience Program (PEP) *See Detail Below*

- Runway 7R-25L Rehabilitation
- Solar Improvements

PROJECTS IN DESIGN

- Air Carrier Ramp Improvements, Phase IV
- Runway 7L-25R Rehabilitation
- Taxilane J Rehabilitation
- Rehabilitation of Access to Twys E & F, Phase II
- Twy D N/O Rwy 7L-25R & Twy A W/O Rwy 12-30
- Runway 12-30 RSA Improvements SE End

PROJECTS UNDER CONSTRUCTION

- New Passenger Concourse
- Runway 7L-25R Safety Area Improvements
- Air Carrier Ramp Improvements, Phase III
- Rehabilitation of Access to Twys E & F, Phase I

Design Phase
 Construction Phase

PASSENGER EXPERIENCE PROGRAM PROJECT DETAILS

- Ground Transportation Center
- Terminal Roadway Improvements
- Historic Terminal Restoration
- Rental Car Facility, Phase I
- Parking Structure A Improvements
- Airport Support Facilities
- Baggage Claim Area Improvements

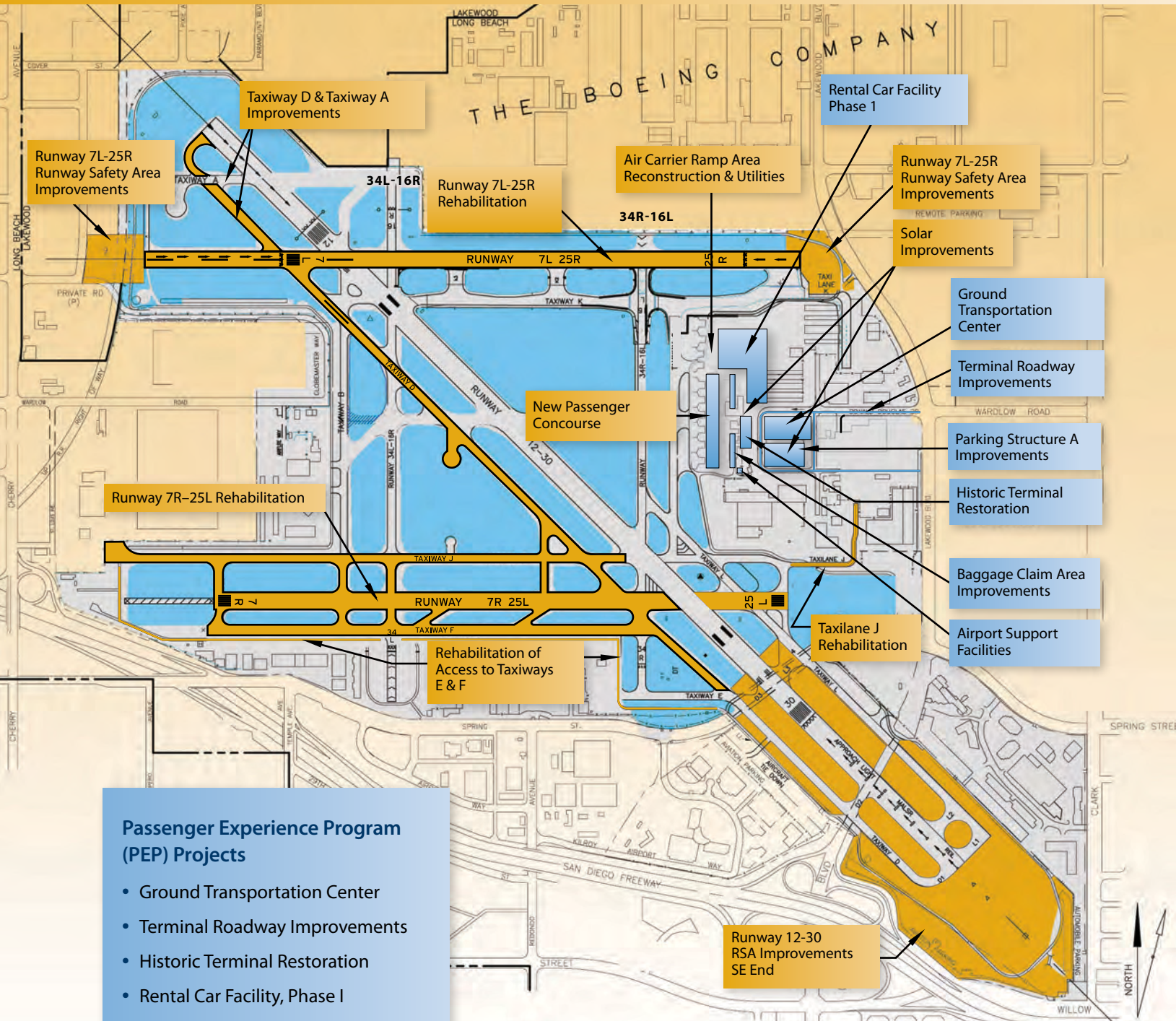
CAPITAL IMPROVEMENT PROGRAM STATUS REPORT

	2012	2013	2014	2015	2016	2017	BUDGET
							\$31,200,000
							\$13,300,000
							TBD
SUBTOTAL							\$44,500,000
							\$3,500,000
							\$15,000,000
							\$2,000,000
							\$2,800,000
							\$3,000,000
							\$3,500,000
SUBTOTAL							\$29,800,000
							\$45,000,000
							\$3,000,000
							\$6,000,000
							\$3,000,000
SUBTOTAL							\$57,000,000
CIP PROGRAM TOTAL							\$131,300,000

	2012	2013	2014	2015	2016	2017	BUDGET	
								\$2,500,000
								\$4,000,000
							\$6,200,000	
							\$5,200,000	
							\$3,300,000	
							\$8,500,000	
							\$1,500,000	

CAPITAL IMPROVEMENT PROGRAM

LOCATION MAP



Passenger Experience Program (PEP) Projects

- Ground Transportation Center
- Terminal Roadway Improvements
- Historic Terminal Restoration
- Rental Car Facility, Phase I
- Parking Structure A Improvements
- Airport Support Facilities
- Baggage Claim Area Improvements

GROUND TRANSPORTATION CENTER

Project Description: The project consists of the construction of an intermodal transportation facility to accommodate busses, taxis, shuttles and a new Airport valet station. The project also will provide new remote skycap baggage check-in options for passengers.

Project Budget: The project budget is \$2,500,000.

Project Schedule: The NEPA and CEQA documents will be completed as part of the preconstruction phase. Construction will begin following the completion of the Rental Car Facility, Phase 1 Project.

TERMINAL ROADWAY IMPROVEMENTS

Project Description: The project consists of realignment and reconfiguration of the terminal roadways. The project will alleviate traffic congestion and provide safety enhancements for pedestrians.

Project Budget: The project budget is \$4,000,000.

Project Schedule: The NEPA and CEQA documents will be completed as part of the preconstruction phase. Construction is scheduled to begin in 2014.

HISTORIC TERMINAL RESTORATION

Project Description: The project will consist of rehabilitation and restoration where feasible of the Airport's 1941 terminal building, including modernizing and upgrading electrical, mechanical and plumbing systems, architectural features such as windows, restrooms and the public address system.

Project Budget: The project budget is \$6,200,000. The Airport will apply to the FAA for PFC funds for this project.

Project Schedule: This project is currently in the planning and design stages.

RENTAL CAR FACILITY, PHASE I

Project Description: The project will include a new 7,110 square foot rental car customer service building and a new 136,000 square foot rental car storage lot. The customer service building will be located a short walk from the north baggage claim area. The rental car storage lot will be located north of the customer facility building on the portion of

Airport property that previously served as the construction staging area for the new terminal concourse.

Project Budget: The project budget is \$5,200,000. It will be funded by Customer Facility Charges (CFC) applied to rental car transactions.

Project Schedule: NEPA and CEQA documents will be completed as part of the preconstruction phase. Preconstruction will begin once sufficient funds have been collected through the implementation of the CFC.

Community Benefits: 50 jobs

PARKING STRUCTURE A IMPROVEMENTS

Project Description: The project includes providing two new elevators, remodeling the existing elevator/stair cove, moving the entrances and exits for future circulation improvements, a structural analysis of the building and restriping of all floors.

Project Budget: The project budget for design and construction is \$3,300,000.

Project Schedule: Construction will proceed when funding is provided.

AIRPORT SUPPORT FACILITIES

Project Description: The project will include new Airport Support Facilities, including a TSA delivery processing area, new airport offices and new airline offices. The 14,888 square foot Airport Support Facilities will include concessionaire delivery, storage and office space.

Project Budget: The project budget is \$8,500,000.

Project Schedule: TBD

BAGGAGE CLAIM AREA IMPROVEMENTS

Project Description: The project will include baggage claim area improvements, including a new baggage service office and new canopies for passenger protection from inclement weather.

Project Budget: The project budget is \$1,500,000.

Project Schedule: TBD

RUNWAY 7R-25L REHABILITATION

Project Description: The project consists of the reconstruction of 1,100,000 square feet of pavement. Included are improvements to connector taxiways, pavement markings and lighting, signage, drainage systems, and the reconstruction of the perimeter road around the east end of the runway.

Project Budget: The project budget is \$13.3 million. It will be funded with AIP and PFC funds.

Project Schedule: The NEPA and CEQA documents are approved for the project and preliminary engineering has begun. Upon early completion of the design, the Airport will request discretionary funding from the FAA to begin construction in 2015.

Community Benefits: 80 jobs

SOLAR IMPROVEMENTS

Project Description: The project consists of the installation of photovoltaic (solar) panels and other devices at various locations at the Airport. Solar collection will be used to offset the electrical usage at the Airport as part of the LGB Green Initiative.

Project Budget: The Airport is exploring power purchase agreements, low-cost energy loans, grants, private partnerships, or combinations thereof.

Project Schedule: The NEPA and CEQA documents will be completed once the funding source is identified.

Benefits: Solar improvements will help decrease the Airport's dependence on external electricity.



AIR CARRIER RAMP IMPROVEMENTS, PHASE IV

Project Description: Improvements to the air carrier ramp include the reconstruction of deteriorated pavement of ramp support areas.

Project Budget: The project budget for Phase IV is estimated to be \$3.5 million.

Project Schedule: Construction of Phase IV is anticipated to begin in May 2014.

Community Benefits: 120 jobs

RUNWAY 7L-25R REHABILITATION

Project Description: The project consists of the reconstruction of 1,250,000 square feet of pavement, including improvements to pavement markings and lighting, signage and drainage systems.

Project Budget: The project budget is \$15 million. It will be funded with AIP and PFC funds.

Project Schedule: The NEPA and CEQA documents will be completed once the funding source is identified. Preliminary engineering will begin shortly after funding is secured. The project is currently listed in the Airport Capital Improvement Program for construction in 2013.

Community Benefits: 80 jobs

TAXILANE J REHABILITATION

Project Description: The project includes the reconstruction of deteriorated pavement and improvements to drainage and pavement markings.

Project Budget: The project budget is \$2,000,000. It will be funded with AIP and PFC funds.

Project Schedule: The project is scheduled to be advertised for bids in spring 2013.

Community Benefits: 60 jobs

REHABILITATION OF ACCESS TO TAXIWAYS E AND F, PHASE II

Project Description: The project consists of the reconstruction of pavement adjacent to leaseholds bordering Taxiways E and F west of Runway 16R; included will be improvements to pavement markings and drainage systems.

Project Budget: The project budget is \$2.8 million. It will be funded with AIP and PFC funds.

Project Schedule: The Airport received NEPA and CEQA document approval.

Community Benefits: 60 jobs

TAXIWAY D NORTH OF RUNWAY 7L-25R AND TAXIWAY A WEST OF RUNWAY 12-30 IMPROVEMENTS

Project Description: The project includes the reconstruction of deteriorated pavement and improvements to the pavement markings and lighting, signage, and drainage systems.

Project Budget: The project budget is \$3 million and will be funded with AIP and PFC funds.

Project Schedule: The project is in design.

Community Benefits: 60 jobs

RUNWAY 12-30 RSA IMPROVEMENTS SE END

Project Description: The project includes grading, drainage and fencing improvements within the RSA at the southeast end of Runway 12-30. Portions of the adjacent perimeter roads will also be reconstructed.

Project Budget: The project budget is \$3.5 million and will be funded with AIP and PFC funds.

Project Schedule: The project is in design and scheduled to be advertised for bids in spring 2013.

Community Benefits: 40 jobs and enhanced runway safety for the Airport's primary runway

NEW PASSENGER CONCOURSE

Project Description: The first phase of the project includes holdrooms, restrooms, concessions and a consolidated passenger screening checkpoint.

Project Budget: The estimated budget for Phase I is \$45 million. It will be funded with PFC and GARB funds.

Project Schedule: Groundbreaking on the new passenger concourse was held December 22, 2010. Construction is anticipated to be complete in May 2013 and currently is 87% complete, with many areas open for business.

Community Benefits: Phase I will support 300 jobs and provide modern waiting areas and concessions to better serve Airport guests.



RUNWAY 7L-25R SAFETY AREA IMPROVEMENTS

Project Description: The project includes grading, perimeter road relocation, removal of hazards and the installation of fencing to improve the safety area of Runway 25R.

Project Budget: The project budget is \$3 million and will be funded with AIP and PFC funds.

Project Schedule: The project is under construction and is anticipated to be completed in spring 2013. Work within the RSA was substantially completed in fall 2012.

Community Benefits: 30 jobs and enhanced runway safety for the Airport's second air carrier runway

AIR CARRIER RAMP IMPROVEMENTS, PHASE III

Project Description: Improvements to the air carrier ramp include the reconstruction of deteriorated pavement and the installation of electrical power at each aircraft parking position.

Project Budget: The overall project budget for Phase III is estimated to be \$6 million.

Project Schedule: Construction began in July 2012 and is scheduled for completion in July 2013.

Community Benefits: 120 jobs per phase; all phases help improve air quality by discontinuing the use of auxiliary power while planes are parked on the ramp.

REHABILITATION OF ACCESS TO TAXIWAYS E AND F, PHASE I

Project Description: The project consists of the reconstruction of pavement adjacent to leaseholds bordering Taxiways E and F between Runway 16R and Runway 16L; included will be improvements to pavement markings and drainage systems.

Project Budget: The project budget is \$3 million. It will be funded with AIP and PFC funds.

Project Schedule: Construction began in July 2012 and is scheduled for completion in July 2013.

Community Benefits: 60 jobs

AIRPORT ACTIVITY STATISTICS

	2012	
Enplaned Passengers	LOAD FACTOR	
Alaska Airlines	92%	86,134
Delta Air Lines	87%	100,040
JetBlue Airways	87%	1,295,603
US Airways	82%	125,021
Other Airlines	—	—
Total Enplaned Passengers	87%	1,606,798
Total Passenger Traffic		3,205,907
Total Operations		274,791

Flight slot allocations: At month-end, Long Beach Airport had 41 allocated air carrier flight slots – JetBlue (32), US Airways (5), Delta (2), FedEx (1), UPS (1); and eight allocated commuter carrier flight slots – Delta (4), Alaska (4). There are 17 commuter carrier slots that remain available for allocation.

DEFINITIONS:

Total Passenger Traffic — Total number of airline passengers both enplaned (departures) and deplaned (arrivals)

Air Carrier — A scheduled passenger or cargo airplane, certified under FAR Part 121, 125 or 135, with a maximum takeoff weight of 75,000 lbs. or over

Commuter Carrier — A scheduled passenger or cargo airplane, certified under FAR Part 121, 125 or 135, with a maximum takeoff weight under 75,000 lbs.

LGB is committed to being a leader in aviation environmental sustainability. The Airport employs a multi-pronged approach in order to reduce emissions from planes and service vehicles. LGB utilizes the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standards to reduce waste in its construction projects. The Airport's green initiatives include the following:

CONSTRUCTION DEMOLITION/RECYCLING

Long Beach Airport (LGB) recycles the pavement and base material demolished during the course of construction. The majority of demolished material remains onsite for use in the final construction or elsewhere on the airfield. This effort eliminated 6,600 diesel haul-truck trips which reduced construction emissions by 1.1 million pounds. That is equivalent to removing 900,000 car trips from our roads.

LIGHT-EMITTING DIODE (LED) TAXIWAY LIGHTS

The Airport upgraded airfield lighting by converting taxiway lights, runway guard lights, and red obstruction lights to LED lights. LED lights are brighter than regular light bulbs, use less energy and have a seven–10 year lifespan as opposed to one year for incandescent light bulbs. That's equivalent to saving enough energy to power 29.5 single family homes for a year, while saving 343,000 kWh of energy annually.



WATER CONSERVATION

The Airport curtails irrigation during the winter and institutes drought-resistant shrubs and trees, as well as an irrigation system to reduce waste. By installing waterless urinals throughout the historic terminal, the Airport saved 296,745 gallons of water in 2012. With the completion of the new passenger concourse, the Airport will save close to 1,000,000 gallons of water per year. That's enough water to fill all the marine tanks at the Aquarium of the Pacific.

IMPROVING AIR QUALITY

The Airport dramatically reduced ramp emissions by converting diesel aircraft ground equipment to electric carts, belt loaders and aircraft push-back tugs and provided aircraft with underground power used for air conditioning. That's equivalent to removing 5 million car trips from our roads each year and eliminates air emissions by 3 million pounds per year. In addition, the Airport is pursuing funding through the FAA Voluntary Airport Low Emissions (VALE) program. Funding will be used to convert additional ground service equipment.



ON-SITE PARKING

Our new parking structure consolidates Airport parking within walking distance to the terminal, reducing air emissions by 30,000 pounds per year, which is equivalent to removing half a million car trips from our roads per year. It also eliminates 8,760 passenger shuttle bus trips annually.

GROUND-LOADING PASSENGERS

Airline passengers board and exit aircraft by using mobile staircases and ramps instead of mechanical loading bridges found at most airports. Besides being a fun way to travel, boarding in this manner saves 127,200 kWh of electrical energy per year, which is enough to power 11 single family homes a year.

REDUCING AIR CARRIER RAMP EMISSIONS

In addition to ground-loading passengers, the use of preconditioned air and electrical power provided at each gate eliminates the need for aircraft auxiliary power units which reduces diesel particulate matter emission by 3,000 pounds per year.

SOLAR PANEL INSTALLATION

The Airport is saving electricity by drawing on its 18 photovoltaic panels, installing a rooftop solar array on our new 10 gate passenger concourse, and by converting interior lighting to light-emitting diode (LED) lighting. This saves 119,640 kWh in energy use per year, and is enough energy to power 10 single family homes per year.



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