The City of Long Beach is host to many special events each year, and the Airport is on hand to support many of them. LGB has had a presence at such diverse events as the following:

- Martin Luther King Jr. Peace and Unity Parade and Celebration – A community parade and celebration featuring live music, local food, health screenings, and carnival rides
- First Fridays in Bixby Knolls – A monthly neighborhood outlet for local artists and musicians to showcase their work
- Toyota Grand Prix of Long Beach – An annual national IndyCar race that attracts hundreds of thousands of spectators
- Ronald McDonald House Walk for Kids – An annual 5k walk to raise funds for services and programs to help families of ill children
- Beach Streets – A neighborhood block party that shuts down major streets to encourage bike riding, walking, and other forms of transportation
- Long Beach Pride Parade – An annual parade celebrating the LGBT community
- Special Olympics Plane Pull – An annual fundraiser that supports the Special Olympics of Southern California
- Belmont Shore Car Show – An annual showcase of more than 500 vintage cars
- READY Long Beach – An annual community disaster preparedness exposition
- JetBlue Long Beach Marathon – An annual marathon, half-marathon, 5k, Bike Tour and Kids Run
- Festival of Flight – A community celebration with aircraft and vehicle displays, live entertainment, and food trucks
- Belmont Shore Christmas Parade – An annual community parade
- Daisy Avenue Christmas Tree Lane Parade – An annual community parade