

Climate Change Mitigation and Adaptation for Airports in Shasta County

Airport	Mitigation & Adaptation	Mitigation	Adaptation
Benton			Summer 2012 Runway Enhancement (250 Ft. southward shift of the runway. The resultant additional safety area provides greater latitude for take-offs and landings in projected windier conditions.
			CA Highway Patrol Aviation Division based here. 1 fixed-wing and 2 helicopters.
Fall River Mills			
Redding Municipal	More fuel-efficient engines, reduces GHG emissions. The improved engine technology also allows for shorter take-offs which could serve the airport well when summer temperatures increase to levels that typically require longer runways to achieve the necessary lift or take-off.		National Forest Service and Cal Fire fire-fighting teams based at the airport. Cal Fire has 3 or 4 aircraft. PHI has aircraft and helicopter assets. REACH helicopter located atop Shasta Reg. Hosp and tanks at Benton.
	In order to save energy and keep the terminal building cool, it will be remodeled using the latest in insulation, fans, etc.		
	LED lights on the airfield and a solar field saving 90% of the energy required for the terminal building and the airfield reduce GHG emissions associated with the airport's energy consumption, but it also saves a significant amount of energy when the region, as a whole, demands more.		

Notes: Redding Municipal Airport is the only commercial airport in Shasta County and handles most of the regional cargo.