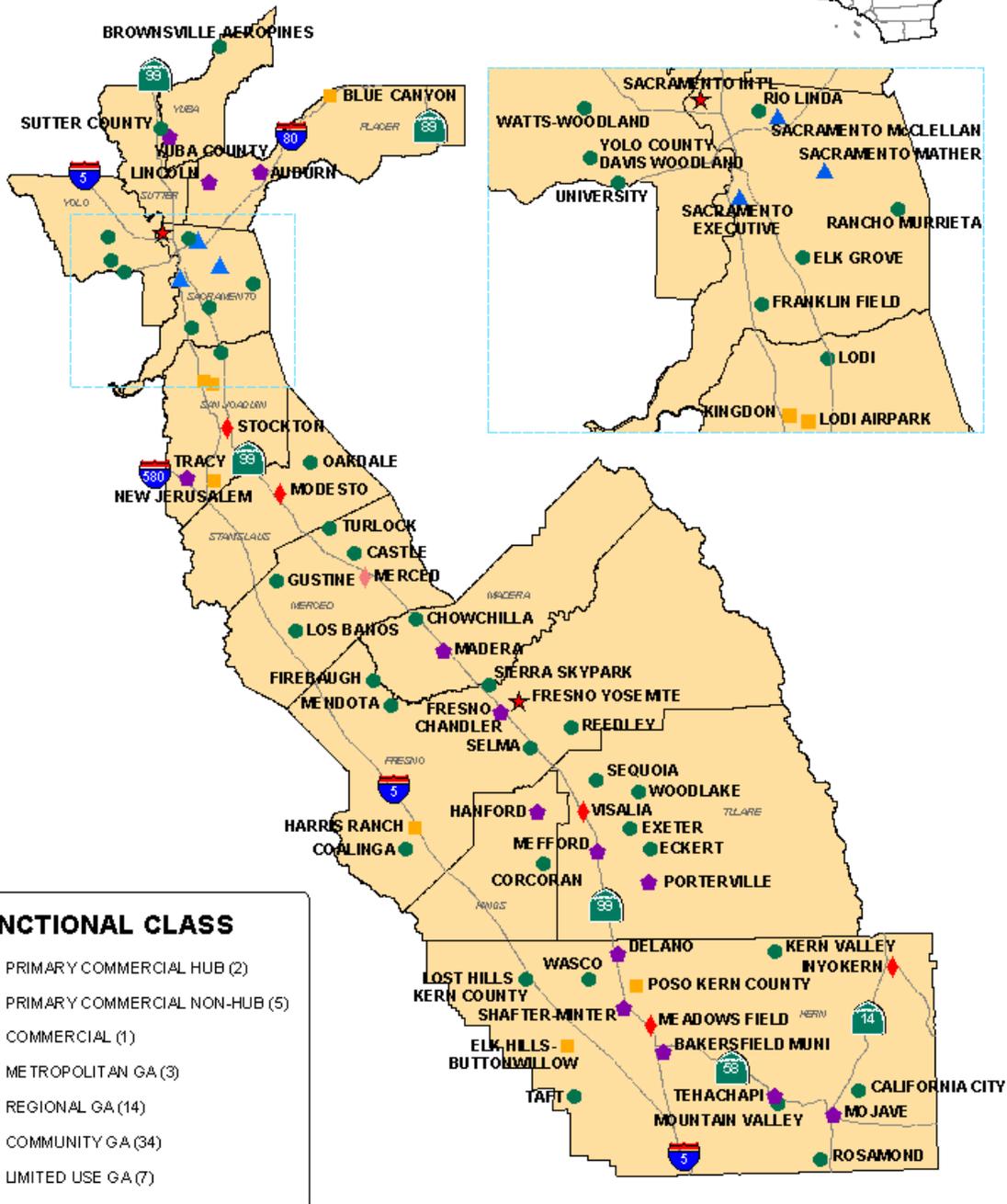


California Aviation System Plan:
Region 6 Public Use Airports

CENTRAL CALIFORNIA



Central California Region

The Central California Region stretches from the Tehachapi Mountains in the south to the Sacramento River in the north. The eastern boundary is the Sierra Nevada Range, and the western boundary is the Pacific Coast Range. The 13 counties, which make up this region, include:

| | | |
|------------|-------------|--------|
| Fresno | San Joaquin | Kern |
| Stanislaus | Kings | Sutter |
| Madera | Tulare | Merced |
| Yolo | Placer | Yuba |
| Sacramento | | |

The Sacramento Area Council of Governments is the Regional Transportation Planning Agency (RTPA) for Sacramento, Sutter, Yuba, and Yolo Counties. The other counties in the region maintain their own county-based RTPAs.

Regional Overview

In 2000, the California Department of Finance estimated there were 5,180,500 residents in this region. By 2020, the population is estimated to increase 48.9% to 7,692,800 people.

There are a total of 64 public-use airports other than Primary Commercial Service Hubs in the Central California Region. The region has two Primary Commercial Service Hub airports: Sacramento International and Fresno Yosemite International. In addition to those facilities, the following six airports have scheduled passenger service: Meadows Field, Modesto City-County, Merced Municipal, Stockton, Visalia Municipal, and Inyokern. The *1999 CASP Forecast Element* stated there were 5,318 based aircraft and 2,117,717 general aviation (GA) annual aircraft operations within the region. By 2015, these figures are estimated to increase by 49.5% (to 7,950 based aircraft) and 48.0% (to 3,134,358 annual GA operations) respectively.

Airport Comparison by Functional Classification Category

Primary Commercial Service Hub Airports

There are two Primary Commercial Hub airports in this region: Sacramento International and Fresno Yosemite International Airports. Refer to Section II for a discussion of all California Primary Commercial Service Hub airports.

Primary Commercial Service Non-Hub and Commercial Service Airports

The Central California region has five Primary Commercial Service Non-Hub airports: Inyokern, Meadows Field, Modesto City-County, Stockton Metropolitan, and Visalia Municipal and one Commercial Airport: Merced Municipal. Meadows Field is the only Primary Commercial Service Non-Hub airport that meets all minimum standards. Modesto, Merced and Visalia all would benefit from runway extensions. Stockton's only enhancement need is for adequate runway weight bearing capacity, especially when as air carrier operations return. Merced has two needed enhancements: a runway extension and weight bearing capacity improvement. Inyokern Airport has four needed enhancements: 24-hour on-field weather services, an instrument approach procedure (either precision nor non-precision), and runway widening (only 50% of minimum standard), and increased runway weight bearing capacity.

Metropolitan General Aviation Airports

The region has three Metropolitan General Aviation airports, all in Sacramento County: Sacramento Mather, McClellan Airfield, and Sacramento Executive. All three meet all Metropolitan General Aviation airport

minimum standards and both Mather and McClellan actually meet Primary Commercial Service Non-Hub airport minimums.

Regional General Aviation Airports

There are 14 Regional General Aviation airports in the Central California Region. Lincoln Regional, Porterville Municipal, and Yuba County in Marysville are the only facilities that meet all Regional General Aviation Airport minimum standards (they all actually meet Metropolitan General Aviation airport minimums). Facilities with single enhancement needs include Hanford (jet fuel availability) and Madera (jet fuel availability). Shafter-Minter Field needs only a runway extension and 24-hour on-field weather services. Five facilities have three needed enhancements, including runway extensions at all, plus: Bakersfield Municipal (jet fuel availability and 24-hour on-field weather services), Fresno-Chandler Downtown (jet fuel availability and 24-hour on-field weather services), Mefford Field (jet fuel availability and 24-hour on-field weather services), Tracy Municipal (runway pavement upgrade and jet fuel availability), and Delano (visual approach slope indicator equipment and jet fuel availability). The feasibility of a runway extension at Fresno-Chandler is questioned due to land use constraints. Facilities with three or more needed enhancements include Mojave (runway pavement upgrade, jet fuel availability and 24-hour on-field weather services) and Tehachapi (runway extension and widening, runway pavement upgrade, instrument approach procedure, 24-hour on-field weather services, and jet fuel availability). Tehachapi is another airport where the feasibility of a runway extension is questioned, due primarily to terrain. While projects to address all identified enhancements are identified, those needed at Mojave and Tehachapi, if feasible, would add capacity within the region and the state in an area further removed from facilities of equal or greater capacity than some of the region's other Regional General Aviation airports. Also notable is the fact that five of the six airports that need 24-hour on-field weather services already have instrument approach procedures, making these enhancements priority items.

Community General Aviation Airports

There are 34 Community General Aviation airports in the Central California Region and all of them need enhancements to meet all Community General Aviation airport minimum standards. Common needs for nearly all airports in this classification include longer and wider runways, 24-hour on-field weather services and instrument approach procedures. In a region noted for enduring fog, adding these enhancements would improve effectiveness, capacity and safety across the region and the state. About half of them need fuel service and/or approach slope indicator equipment. Mendota is scheduled to have its runway resurfaced and widened to 60 feet (the FAA minimum), would still need an additional 15 feet of runway width to meet minimum width for this classification. Seven of these airports are not listed in the FAA NPIAS and are therefore more dependent on state or local funding sources: Eckert Field, Elk Grove, Exeter, Mountain Valley, Rosamond Skypark, Selma, and Sierra Sky Park.

Limited Use Airports

There are seven Limited Use airports in the Central California Region: Blue Canyon, Elk Hills-Buttonwillow, Harris Ranch, Kingdon Airpark, Lodi Airpark, New Jerusalem and Poso-Kern County airports. Only New Jerusalem meets all Limited Use airport minimum standards. Blue Canyon, Elk Hills-Buttonwillow, Harris Ranch, and Lodi Airpark all have inadequate runway widths. In the cases of Harris Ranch and Lodi Airpark, widening the runways as indicated is considered unlikely due to the significant cost and the fact that these are both privately owned, non-NPIAS facilities, making them ineligible for either state or federal funding. Kingdon Airpark's runway pavement weight limit is suspect, while Poso-Kern County's runway needs strengthening. No Limited Use airports in the region are listed in the FAA NPIAS, making them more dependent on alternative funding sources.

Enhancement Need Prioritization

The airports below are considered the region's highest priority facilities in terms of system capacity and safety enhancement. Enhancements to the following airports could improve regional and state system capacity and safety, and perhaps make them worthy of reclassification:

| | | | |
|-------------|-------------|------------------------|---------|
| Stockton | Mojave | Yolo County | Taft |
| Visalia | Tehachapi | Castle | Mendota |
| Inyokern | Madera | Delano | Reedley |
| Auburn | Franklin | California City | Hanford |
| Yuba County | Porterville | Blue Canyon | Mather |
| Tracy | Coalinga | Kern Valley | Turlock |
| Meadows | McClellan | Elk Hills-Buttonwillow | |

All Non-NPIAS airports are also worthy of extra consideration at the state level since they are not eligible for federal funding.

Table 8

| REGION 6 CENTRAL CALIFORNIA- Enhancement Needs and Estimated Costs | | | | | | | | | | Total Estimated Costs For All Regional Projects: \$31.09 Million | | | | | |
|---|---|-----------------------------|--|---------------------------------|--|----------------------------|---|------------------------|---|--|--|---------------------------------------|--|---|---|
| FACILITY AND MINIMUM STANDARDS MINIMUM STANDARD FOR CLASSIFICATION SHOWN IN SECTION HEADER (EXCEPT RUNWAY LENGTH) | MINIMUM STANDARD RUNWAY LENGTH | LONGEST RUNWAY LENGTH | RUNWAY EXTENSION ESTIMATED COST | RUNWAY PAVEMENT CONDITION | RUNWAY PAVEMENT REHAB ESTIMATED COST | LONGEST RUNWAY WIDTH | RUNWAY WIDENING ESTIMATED COST | VASI PAPI INSTALLED | ESTIMATED COST TO ACQUIRE & INSTALL VASI/PAPI | AVAILABLE FUEL GRADES | ESTIMATED COST TO ADD DESIRED FUELING CAPABILITIES | LONGEST RUNWAY WEIGHT RATING | AWOS/ASOS (AUTOMATED WEATHER SERVICE) | COST TO ACQUIRE & INSTALL DESIRED AWOS/ASOS | MOST PRECISE INSTRUMENT APPROACH PROCEDURE |
| PRIMARY COMMERCIAL SERVICE NON-HUB | | | | GOOD | | 150 | | VASI/PAPI | | 100LLA | | 50K SW | YES | | ILS |
| INYOKERN | 7000 | 7100 | | GOOD | | 75 | \$1,860,000 | PAPI | | 100LLA | | 24000 | NONE | \$100,000 | NONE |
| MEADOWS FIELD | 7000 | 10857 | | GOOD | | 150 | | VASI | | 100 100LLA | | 110000 | YES | | ILS |
| MERCED MUNICIPAL MACREADY FIELD | 7000 | 5903 | \$580,000 | GOOD | | 150 | | | \$60,000 | 100LL80 | \$50,000 | 30000 | YES | | ILS |
| MODESTO CITY - COUNTY | 7000 | 5911 | \$570,000 | GOOD | | 150 | | VASI | | 100LL80A | | 60000 | YES | | ILS |
| STOCKTON METROPOLITAN | 7000 | 8650 | | GOOD | | 150 | | PAPI | | 100 100LLA | | 40000 | YES | | ILS |
| VISALIA MUNICIPAL | 7000 | 6559 | \$230,000 | GOOD | | 150 | | PAPI | | 100LLA | | 60000 | YES | | ILS |
| METROPOLITAN GENERAL AVIATION | | | | GOOD | | 100 | | VASI/PAPI | | | | 50K SW | YES | | ILS |
| MCCLELLAN AIRFIELD | 5000 | 10600 | | Unknown | | 200 | | PAPI | | 100LLA | | 155000 | NONE | \$100,000 | ILS |
| SACRAMENTO EXECUTIVE | 5000 | 5503 | | GOOD | | 150 | | VASI | | 100LLA | | 60000 | YES | | ILS |
| SACRAMENTO MATHER | 5000 | 11301 | | Unknown | | 150 | | VASI | | 100LLA | | 160000 | YES | | ILS |
| REGIONAL GENERAL AVIATION | | | | GOOD | | 75 | | VASI/PAPI | | 100LLA | | 12500 | YES | | GPS/VOR |
| AUBURN MUNICIPAL | 5000 | 3100 | \$500,000 | GOOD | | 60 | \$160,000 | PAPI | | 100LL 80 A | | 30000 | YES | | GPS |
| BAKERSFIELD MUNICIPAL | 4800 | 4000 | \$210,000 | GOOD | | 75 | | PAPI | | 100LL | \$50,000 | 20000 | NONE | \$100,000 | GPS |
| DELANO MUNICIPAL | 4800 | 3650 | \$300,000 | GOOD | | 50 | \$320,000 | | \$60,000 | 100LL | \$50,000 | Unknown | YES | | GPS |
| FRESNO CHANDLER DOWNTOWN ARPT. | 4800 | 3202 | \$420,000 | GOOD | | 75 | | VASI | | 100LL80 | \$50,000 | 17000 | NONE | \$100,000 | GPS |
| HANFORD MUNICIPAL | 4800 | 5180 | | GOOD | | 75 | | PAPI | | 100LL | \$50,000 | 15000 | YES | | GPS |
| LINCOLN REGIONAL | 4800 | 6001 | | GOOD | | 100 | | VASI | | 100LLA | | 30000 | YES | | ILS |
| MADERA MUNICIPAL | 4800 | 5544 | | GOOD | | 150 | | VASI | | 100LL80 | \$50,000 | 30000 | YES | | GPS |
| MEFFORD FIELD | 4800 | 3914 | \$230,000 | GOOD | | 75 | | VASI | | 100LL | \$50,000 | 12500 | NONE | \$100,000 | GPS |
| MOJAVE | 5500 | 9600 | | FAIR | \$4,800,000 | 200 | | | \$60,000 | 100LLA | | 120000 | NONE | \$100,000 | GPS |
| PORTERVILLE MUNICIPAL | 4800 | 5908 | | GOOD | | 150 | | VASI | | 100LL80 A | | 30000 | YES | | GPS |
| SHAFTER - MINTER FIELD | 4800 | 4520 | \$70,000 | GOOD | | 100 | | PAPI | | 100LLA | | 22000 | NONE | \$100,000 | GPS |
| TEHACHAPI MUNICIPAL | 6300 | 4035 | TBD-Terrain | POOR | \$710,000 | 50 | \$350,000 | PAPI | | 100LL80 | \$50,000 | Unknown | NONE | \$100,000 | NONE |
| TRACY MUNICIPAL | 4800 | 3680 | \$290,000 | FAIR | \$920,000 | 100 | | VASI | | 100LL80 | \$50,000 | 50000 | YES | | GPS |
| YUBA COUNTY | 4800 | 6006 | | GOOD | | 150 | | VASI | | 100LLA | | 75000 | YES | | ILS |
| COMMUNITY GENERAL AVIATION | | | | FAIR | | 75 | | VASI/PAPI | | 100LL or 80 | | 12500 | YES | | GPS/VOR |
| BROWNSVILLE AERO PINES | 4600 | 2320 | TBD-Land | FAIR-trtd | | 20 | \$450,000 | | \$60,000 | | \$100,000 | Unknown | NONE | | NONE |
| CALIFORNIA CITY MUNI. | 4600 | 6025 | | GOOD | | 60 | \$320,000 | | \$60,000 | 100LL80 A | | 26000 | NONE | | NONE |
| CASTLE | 3800 | 11802 | | Unknown | | 150 | | VASI | | | \$100,000 | 155000 | NONE | \$100,000 | ILS |
| CHOWCHILLA | 3800 | 3250 | \$140,000 | GOOD | | 60 | \$170,000 | VASI | | | \$100,000 | 12500 | NONE | | NONE |
| COALINGA MUNICIPAL | 4000 | 5000 | | GOOD | | 100 | | PAPI | | | \$100,000 | 30000 | NONE | | NONE |
| CORCORAN | 3800 | 3800 | | GOOD | | 50 | \$330,000 | | \$60,000 | 100LLA | | 8000 | NONE | | NONE |
| ECKERT FIELD | 3900 | 2000 | TBD-Land | POOR | \$350,000 | 50 | \$180,000 | | \$60,000 | 100LL | | Unknown | NONE | | NONE |
| ELK GROVE | 3700 | 2780 | \$240,000 | GOOD | | 35 | \$390,000 | | \$60,000 | | \$100,000 | 12500 | NONE | | NONE |
| EXETER (THUNDERHAWK FIELD) | 3900 | 2800 | \$290,000 | GOOD | | 40 | | | \$60,000 | | \$100,000 | Unknown | NONE | | NONE |
| FIREBAUGH | 3900 | 3102 | \$210,000 | GOOD | | 60 | \$160,000 | VASI | | | \$100,000 | 12500 | NONE | \$100,000 | GPS |

LEGEND: RED TEXT - DOES NOT MEET MINIMUM STANDARD
SEE GLOSSARY FOR ACRONYM AND TERM DEFINITIONS

BOLD ITALIC TEXT - NON-NPIAS FACILITY

ALL LENGTHS ARE IN FEET, WEIGHT REFERENCES IN POUNDS

TABLE 8 Continued

REGION 6 CENTRAL CALIFORNIA

| FACILITY AND MINIMUM STANDARDS MINIMUM STANDARD FOR CLASSIFICATION SHOWN IN SECTION HEADER (EXCEPT RUNWAY LENGTH) | MINIMUM STANDARD RUNWAY LENGTH | LONGEST RUNWAY LENGTH | RUNWAY EXTENSION ESTIMATED COST | RUNWAY PAVEMENT CONDITION | RUNWAY PAVEMENT REHAB ESTIMATED COST | LONGEST RUNWAY WIDTH | RUNWAY WIDENING ESTIMATED COST | VASI PAPI INSTALLED | ESTIMATED COST TO ACQUIRE & INSTALL VASI/PAPI | AVAILABLE FUEL GRADES | ESTIMATED COST TO ADD DESIRED FUELING CAPABILITIES | LONGEST RUNWAY WEIGHT RATING | AWOS/ASOS (AUTOMATED WEATHER SERVICE) | COST TO ACQUIRE & INSTALL DESIRED AWOS/ASOS | MOST PRECISE INSTRUMENT APPROACH PROCEDURE |
|---|---|-----------------------------|--|---------------------------------|--|----------------------------|---|------------------------|---|-----------------------------|--|---------------------------------------|--|---|---|
| COMMUNITY GENERAL AVIATION (cont.) | | | | FAIR | | 75 | | VASI/PAPI | | 100LL or 80 | | 12500 | YES | | GPS/VOR |
| FRANKLIN FIELD | 3700 | 3240 | \$120,000 | GOOD | | 60 | \$170,000 | | \$60,000 | | \$100,000 | 30000 | NONE | | NONE |
| GUSTINE | 3700 | 3200 | \$130,000 | FAIR | | 60 | \$170,000 | VASI | | 100LL | | 12500 | NONE | | NONE |
| KERN VALLEY | 4900 | 3500 | \$370,000 | GOOD | | 50 | \$310,000 | | \$60,000 | 100LL | | Unknown | NONE | | NONE |
| LODI | 3700 | 3085 | \$160,000 | FAIR | | 42 | \$360,000 | | \$60,000 | 100LL80 | | 30000 | NONE | \$100,000 | GPS |
| LOS BANOS MUNICIPAL | 3700 | 3005 | \$180,000 | FAIR | | 75 | | VASI | | 100LLA | | 23000 | NONE | \$100,000 | GPS |
| LOST HILLS - KERN COUNTY | 3800 | 3020 | \$200,000 | FAIR | | 60 | \$160,000 | | \$60,000 | | \$100,000 | 12500 | NONE | | NONE |
| MENDOTA | 3800 | 3550 | \$70,000 | FAIR | | 50 | \$310,000 | VASI | | 100LL | | 12500 | NONE | | NONE |
| MOUNTAIN VALLEY | 5800 | 5420 | \$100,000 | FAIR | | 60 | \$280,000 | | \$60,000 | 80 | | Unknown | NONE | | NONE |
| OAKDALE MUNICIPAL | 3800 | 3020 | \$200,000 | GOOD | | 66 | \$100,000 | | \$60,000 | 100LL | | 20000 | NONE | \$100,000 | GPS |
| RANCHO MURIETA | 3800 | 3800 | | Unknown | | 75 | | | \$60,000 | | \$100,000 | Unknown | NONE | | NONE |
| REEDLEY MUNICIPAL | 3900 | 3300 | \$160,000 | FAIR | | 50 | \$290,000 | PAPI | | 100LLA | | 12500 | NONE | | NONE |
| RIO LINDA | 3900 | 2620 | TBD-Terrain | GOOD | | 42 | \$300,000 | TRIL-17 | | 100LL | | 12500 | NONE | | NONE |
| ROSAMOND SKYPARK | 4800 | 3600 | \$320,000 | GOOD | | 50 | \$320,000 | | \$60,000 | 100LL | | Unknown | NONE | | NONE |
| SELMA | 3900 | 2490 | TBD-Land | FAIR | | 50 | \$220,000 | | \$60,000 | 100LL80 | | 12500 | NONE | | NONE |
| SEQUOIA FIELD | 3900 | 3012 | \$230,000 | Unknown | | 60 | \$160,000 | | \$60,000 | | \$100,000 | Unknown | NONE | | NONE |
| SIERRA SKY PARK | 3900 | 2920 | TBD-Terrain | FAIR | | 50 | \$260,000 | | \$60,000 | | \$100,000 | Unknown | NONE | | NONE |
| SUTTER COUNTY | 3700 | 3040 | \$170,000 | GOOD | | 75 | | TRIL-17 | | 100LL | | Unknown | NONE | | NONE |
| TAFT | 4000 | 3550 | \$120,000 | POOR | \$750,000 | 60 | \$190,000 | PAPI | | 100LL | | 4000 | NONE | | NONE |
| TURLOCK MUNICIPAL | 3800 | 2985 | \$210,000 | GOOD | | 50 | \$260,000 | | \$60,000 | 100LL | | 12500 | NONE | | NONE |
| UNIVERSITY | 3700 | 3185 | \$140,000 | GOOD | | 50 | \$280,000 | S2L1V2L3 | | 100LL | | Unknown | NONE | \$100,000 | GPS |
| WASCO | 3900 | 3380 | \$140,000 | GOOD | | 60 | \$180,000 | | \$60,000 | 100LL | | 6000 | NONE | | NONE |
| WATTS - WOODLAND | 3800 | 3770 | \$10,000 | GOOD | | 60 | \$200,000 | TRII-18 | | 100LLA | | 12500 | NONE | \$100,000 | GPS |
| WOODLAKE | 3900 | 3320 | \$150,000 | POOR-grvl | \$580,000 | 50 | \$290,000 | | \$60,000 | 100LL | | Unknown | NONE | | NONE |
| YOLO COUNTY DAVIS WOODLAND | 3700 | 6000 | | GOOD | | 100 | | | \$60,000 | | \$100,000 | 30000 | NONE | \$100,000 | GPS |
| LIMITED USE | | | | FAIR | | 60 | | NONE | | 100LL or 80 | | 12500 | NONE | | NONE |
| BLUE CANYON | 4900 | 3300 | TBD-Terrain | GOOD | | 50 | \$120,000 | | | | | 12500 | YES | | NONE |
| ELK HILLS-BUTTONWILLOW | 2700 | 3260 | | FAIR | | 50 | \$110,000 | | | | | 10000 | NONE | | NONE |
| HARRIS RANCH | 2700 | 2820 | | FAIR | | 30 | \$300,000 | | | 100LL | | 30000 | NONE | | NONE |
| KINGDON AIRPARK | 2600 | 4000 | | FAIR | | 60 | | TRIL -30 | | 100LL | | 50000 | NONE | | NONE |
| LODI AIRPARK | 2600 | 2705 | | FAIR-dirt | | 22 | \$360,000 | | | | | Unknown | NONE | | NONE |
| NEW JERUSALEM | 2600 | 3530 | | GOOD | | 60 | | | | | | 12500 | NONE | | NONE |
| POSO-KERN COUNTY | 2800 | 3000 | | FAIR | | 60 | | | | | | 6000 | NONE | | NONE |
| Estimated Regional Cost Totals (by project type) | | | \$7,460,000 | | \$8,110,000 | | \$10,730,000 | | \$1,440,000 | | \$1,750,000 | | | \$1,600,000 | |

LEGEND: RED TEXT – DOES NOT MEET MINIMUM STANDARD **BOLD ITALIC TEXT – NON-NPIAS FACILITY** ALL LENGTHS ARE IN FEET, WEIGHT REFERENCES IN POUNDS
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