

APPENDIX D: OPERATIONS VERIFICATION

APPENDIX D OPERATIONS VERIFICATION

2009 Operations

The 2008 operations (268,185) for CHD were based on the 2007 FAA Terminal Area Forecast (TAF). Following the completion of the 2008 DNL contours, the 2008 FAA TAF was released which indicated there were 240,900 operations for CHD in 2008. This represents a 10 percent decrease in modeled operations.

Because the NEMS will be submitted in 2009, a comparison of the previous 12 months of operating data to what was modeled was conducted. The previous 12 months of operations data (May 2008 – April 2009) shows totals operations of 226,273. This represents a 16 percent decrease in modeled operations.

2014 Operations

The 2013 operations (309,403) for CHD were based on the 2007 FAA TAF. Following the completion of the 2013 contours, the 2008 FAA TAF was released which predicted that there would be 280,067 in 2013. This represents a 9 percent decrease in modeled operations.

Because the NEMS will be submitted in 2009, the future year contour will be 2014. The 2008 FAA TAF predicts 286,361 total operations for CHD in 2014. This represents a decrease in operations from what was modeled by 7%.

Conclusion

For 2009, the operations comparison reveals a decrease in 16% from the previous twelve months of data when compared to what was modeled. The 16% is slightly greater than the 15% change suggested by the FAA. However, since the change is a decrease, the 2009 NEM contour as modeled represents a conservative approach from a noise standpoint. Since, the 1% difference from 15% will not cause a noticeable change in the 2009 DNL contour and the contours are considered to be conservative, they are considered representative of the 2009 noise exposure conditions at CHD.

The 2014 NEM represents an increase of 7% in operations from the 2008 TAF prediction for 2014. This margin is well within the 15% suggested by the FAA to be considered as representative. Therefore, the 2014 DNL contours are considered representative of the future noise exposure at CHD.

ATADS : Tower Operations : Standard Report

From 05/2008 To 04/2009 | Facility=CHD

Facility	Date	IFR Itinerant					VFR Itinerant					Local			Airport Operations	Tower Operations
		Air Carrier	Air Taxi	General Aviation	Military	Total	Air Carrier	Air Taxi	General Aviation	Military	Total	Civil	Military	Total		
CHD	05/2008	0	13	202	0	215	0	322	6,169	32	6,523	13,698	0	13,698	20,436	20,436
CHD	06/2008	0	8	157	0	165	0	268	5,646	37	5,951	12,744	0	12,744	18,860	18,860
CHD	07/2008	0	1	138	0	139	0	193	5,175	3	5,371	12,488	0	12,488	17,998	18,577
CHD	08/2008	0	1	156	2	159	0	208	5,200	1	5,409	12,482	0	12,482	18,050	18,675
CHD	09/2008	0	3	163	0	166	0	186	5,673	2	5,861	12,619	0	12,619	18,646	19,242
CHD	10/2008	0	7	160	0	167	0	208	6,224	4	6,436	12,770	0	12,770	19,373	20,250
CHD	11/2008	0	1	124	0	125	0	174	5,652	3	5,829	12,621	2	12,623	18,577	19,321
CHD	12/2008	0	1	156	3	160	0	151	5,655	0	5,806	10,853	0	10,853	16,819	17,456
CHD	01/2009	0	3	152	0	155	0	165	5,979	1	6,145	13,093	0	13,093	19,393	20,090
CHD	02/2009	0	6	148	0	154	0	161	5,227	2	5,390	11,171	3	11,174	16,718	17,416
CHD	03/2009	0	1	136	3	140	0	178	5,877	2	6,057	11,422	2	11,424	17,621	18,219
CHD	04/2009	0	3	127	0	130	0	172	5,910	4	6,086	10,963	0	10,963	17,179	17,731
Sub-Total for CHD		0	48	1,819	8	1,875	0	2,386	68,387	91	70,864	146,924	7	146,931	219,670	226,273
Total:		0	48	1,819	8	1,875	0	2,386	68,387	91	70,864	146,924	7	146,931	219,670	226,273

Report created on Wed Jun 17 16:21:49 EDT 2009
Sources: Air Traffic Activity System (ATADS)

APO TERMINAL AREA FORECAST DETAIL REPORT

Forecast Issued December 2008

CHD

AIRCRAFT OPERATIONS														
Enplanements		Itinerant Operations					Local Operations					Total Ops	Total Tracon Ops	Based Aircraft
Fiscal Year	Air Carrier	Commuter	Total	Air Carrier	Air Taxi & Commuter	GA	Military	Total	Civil	Military	Total			
REGION:AWP STATE:AZ LOCID:CHD														
CITY:CHANDLER AIRPORT:CHANDLER MUNI														
2006	1,302	0	1,302	13	3,294	76,716	166	80,189	187,858	46	187,904	268,093	-	449
2007	0	0	0	0	4,101	84,127	569	88,797	171,796	43	171,839	260,636	-	449
2008*	0	0	0	0	3,341	80,507	448	84,296	169,967	13	169,980	254,276	-	461
2009*	0	0	0	0	3,341	79,299	448	83,088	174,719	13	174,732	257,820	-	476
2010*	0	0	0	0	3,341	78,705	448	82,494	179,607	13	179,620	262,114	-	486
2011*	0	0	0	0	3,341	79,516	448	83,305	184,630	13	184,643	267,948	-	500
2012*	0	0	0	0	3,341	80,335	448	84,124	189,793	13	189,806	273,930	-	513
2013*	0	0	0	0	3,341	81,163	448	84,952	195,102	13	195,115	280,067	-	528
2014*	0	0	0	0	3,341	82,000	448	85,789	200,559	13	200,572	286,361	-	539
2015*	0	0	0	0	3,341	83,463	448	87,252	206,168	13	206,181	293,433	-	554
2016*	0	0	0	0	3,341	84,953	448	88,742	211,935	13	211,948	300,690	-	568
2017*	0	0	0	0	3,341	86,469	448	90,258	217,863	13	217,876	308,134	-	584
2018*	0	0	0	0	3,341	88,011	448	91,800	223,957	13	223,970	315,770	-	597
2019*	0	0	0	0	3,341	89,582	448	93,371	230,220	13	230,233	323,604	-	615
2020*	0	0	0	0	3,341	91,180	448	94,969	236,658	13	236,671	331,640	-	629
2021*	0	0	0	0	3,341	92,808	448	96,597	243,278	13	243,291	339,888	-	643
2022*	0	0	0	0	3,341	94,464	448	98,253	250,083	13	250,096	348,349	-	661
2023*	0	0	0	0	3,341	96,150	448	99,939	257,079	13	257,092	357,031	-	679
2024*	0	0	0	0	3,341	97,866	448	101,655	264,269	13	264,282	365,937	-	695
2025*	0	0	0	0	3,341	99,613	448	103,402	271,660	13	271,673	375,075	-	711