

FLYING CLOUD AIRPORT ADVISORY COMMISSION

Eden Prairie
City Council
Workshop

January 21,
2014

GENERAL GOALS

- **Monitor the Final Agreement with MAC** and advise the City Council and MAC with regard to matters affecting the operation of FCM.
- **Address such matters as the City Council may direct** from time to time.
- **Focus on providing education and information** about Flying Cloud Airport to various constituent groups and individuals, as well as continue to **increase visibility of, and communications** from, the Commission.
- **Work with the City and MAC to reduce nighttime noise** and to **improve the appearance of the airport.**

GENERAL ACCOMPLISHMENTS

- **We were advised on operational changes** at the airport, including the status of new hangar leases in the south hangar area, the reconstruction of Runway 18-36, and new operating hours for the air traffic control tower.
- **We discussed efforts by the MAC to improve the appearance of the airport** by replacing dying trees near the Hennepin Village subdivision, and **encouraged the MAC to develop a public viewing area** for the benefit of Eden Prairie families and the general public.
- **We encouraged the MAC to reach out to the households filing the most noise complaints** to better understand why certain operations do or do not generate complaints, and to educate on what is and isn't normal.

GOALS / ACCOMPLISHMENTS FOR 2013

- *Keep the Flying Cloud Airport Advisory page on Eden Prairie's website current and informative. Use web tools on a periodic basis to evaluate the site's usage and relevance to the viewing public.*
 - **Performed initial review of website usage in 2013 (year-over-year)**
 - **Took actions to perform additional analysis and refresh / remove obsolete information from website**

- *Present the biennial review of security during a Commission meeting. Members of the Airport Watch program at FCM will be added to representatives of the EPPD, EPFD, and Transportation Security Administration who have attended in the past.*
 - **Last performed in 2010; due in 2012; rescheduled to 2014.**

- *Continue the annual tradition of visiting Flying Cloud to meet with airport staff and Fixed Base Operators to learn of their concerns and ideas about activities at the airport, especially about reducing noise from airport operations.*
 - **Commission visited the airport twice 2013**
 - **April tour arranged for outgoing student reps**
 - **September tour for full commission and new student reps**
 - **Visited ATC tower, MAC maintenance facility, Rwy 18-36 construction, three FBOs (Thunderbird, Elliot, Modern Avionics)**

GOALS / ACCOMPLISHMENTS FOR 2013

- *Invite the Operator of the Year Award winner to a Commission meeting to recognize an operator who follows the voluntary practices that contribute to noise abatement.*
 - **FCM Tower was 2013 recipient for its efforts to encourage quiet flying, including past cooperation with the Commission in publicizing noise abatement procedures**

- *Continue to monitor changes relevant to the airport and update the Council as needed (Non-aeronautical development; Joint Airport Zoning Board (JAZB))*
 - **Non-aeronautical development is being handled at Planning Commission / City Council level, outside scope of FCAAC**
 - **JAZB legal issues have not yet been resolved**

- *Provide the Council with annual comparisons – month and year to prior month and year - of the number of operations and noise complaint information.*
 - **2013 summary is included in this presentation**

SPECIFIC GOALS FOR 2014

- Keep the Flying Cloud Airport Advisory page on Eden Prairie's website current and informative. Use web tools on a periodic basis to evaluate the site's usage and relevance to the viewing public.
- Present the biennial review of security during a Commission meeting. Members of the Airport Watch program at FCM will be added to representatives of the EPPD, EPFD, and Transportation Security Administration who have attended in the past.
- Continue the annual tradition of visiting Flying Cloud to meet with airport staff and Fixed Base Operators to learn of their concerns and ideas about activities at the airport, especially about reducing noise from airport operations.

SPECIFIC GOALS FOR 2014

- Invite the **Operator of the Year Award** winner to a Commission meeting to recognize an operator who follows the voluntary practices that contribute to noise abatement.
- Provide the Council with **annual comparisons** – month and year to prior month and year - of the **number of operations** and **noise complaint information**.

2013 NOISE COMPLAINT SUMMARY

- **5156 total noise complaints in 2013, vs 2270 in 2012**
 - Increase of 2886 (+127%) was due to a single household
 - One new complainant (location #81 on monthly maps) contributed 2968 complaints in 2013 (58% of total)
 - Excluding location #81, overall complaints *decreased by 82 (-3.6%)* compared to 2012
- **Number of locations with complaints was flat vs 2012**
 - 2012: 83 locations; monthly average of 21
 - 2013: 82 locations; monthly average of 20
- **Highest density of complaints west of airport, with additional complaints to the east and near Staring Lake**

2013 OPERATIONS SUMMARY

- FAA and MAC operations data suggest a continuing shift in airport activity away from flight training and personal aviation, and toward business aviation

- Total airport operations decreased to 76,834 (-9.4%) in 2013
 - Lowest total traffic count in over 50 years
 - Largest % change in itinerant VFR (-12.1%) and local (-8.1%) operations
 - Counting methodology change in 2012 may have contributed to decrease
 - Overall, FCM is 7th busiest airport in Minnesota and adjacent four states

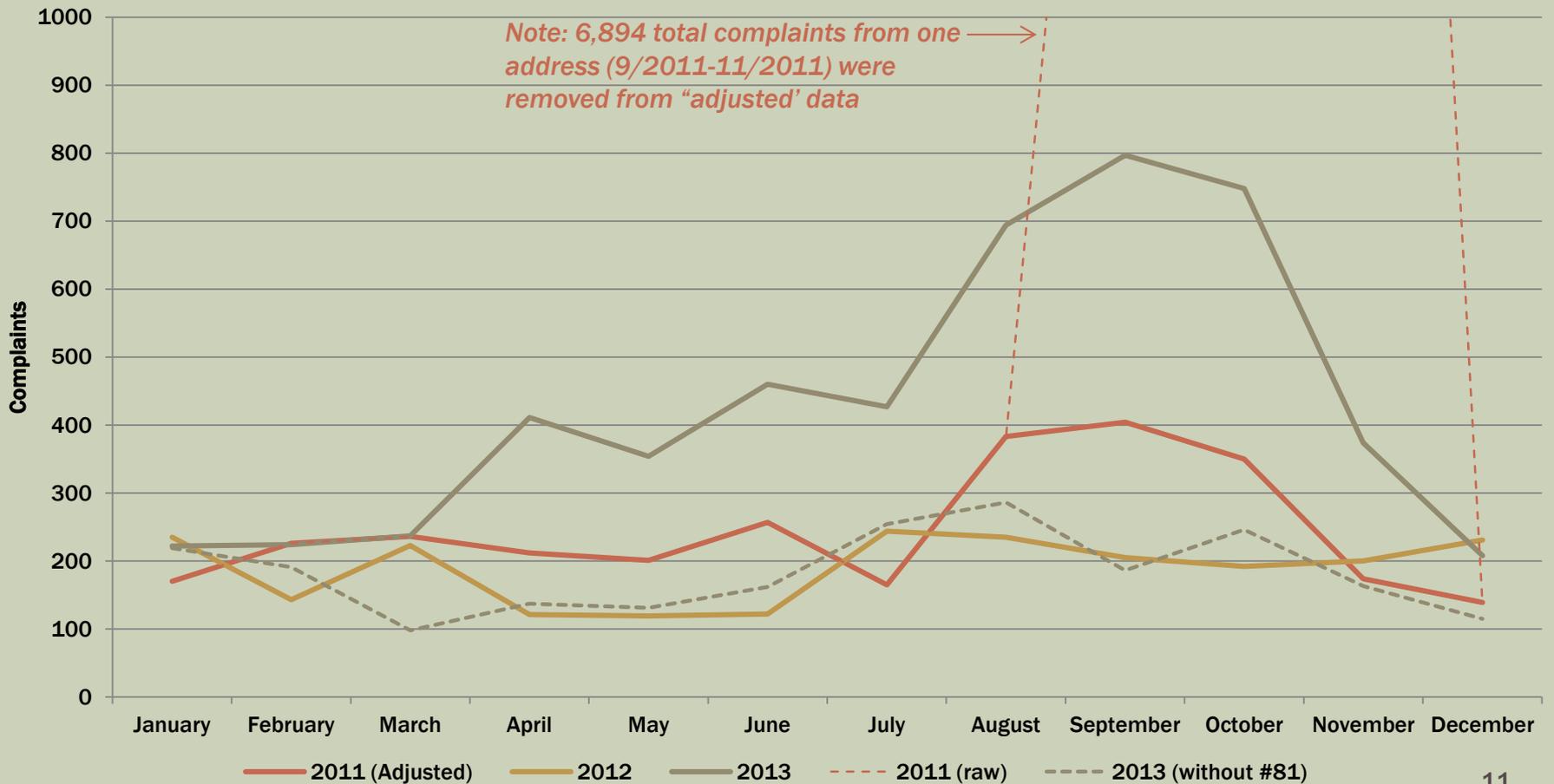
- FBO fuel flowage *increased* by 1% versus 2012
 - 1,564,411 gallons in 12 months ending 11/30/2013
 - Substantial drop in 100LL sales offset by an increase in Jet-A

ADDITIONAL DATA

Operations
and Noise
Complaints

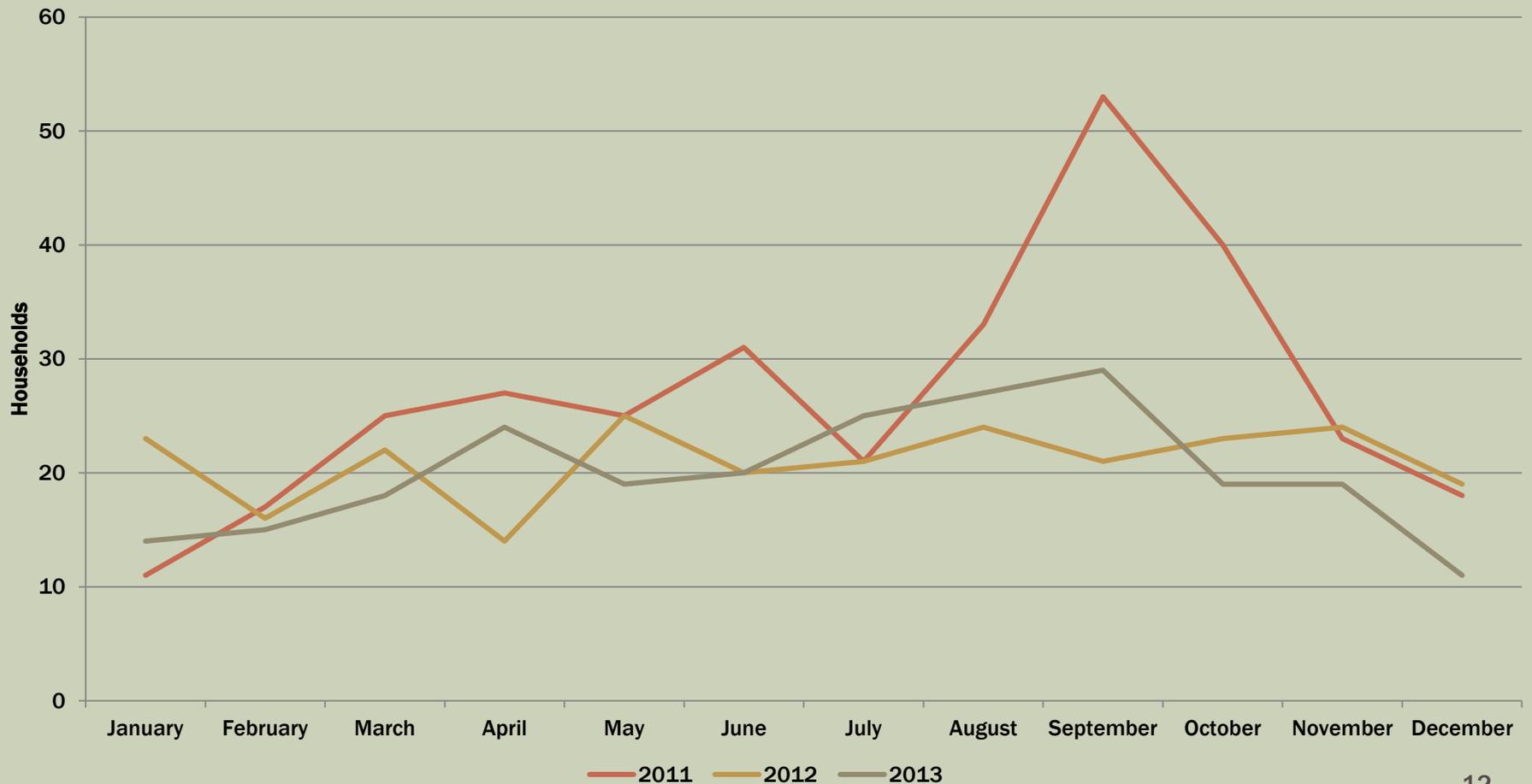
2011-2013 NOISE COMPLAINTS

FCM Noise Complaints, 2011-2013

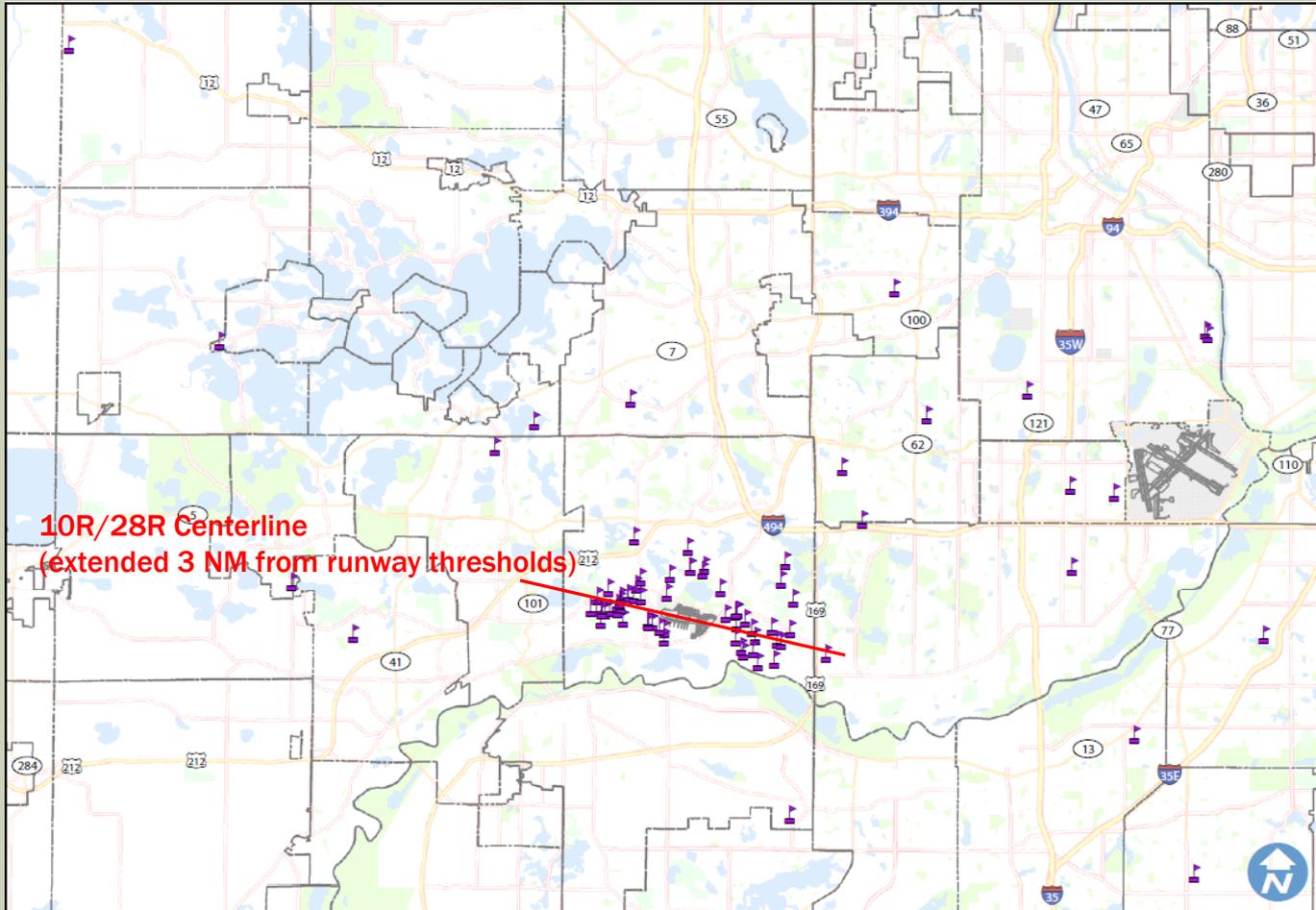


2011-2013 NOISE COMPLAINANTS

FCM Noise Complainants, 2011-2013



2013 NOISE COMPLAINT LOCATIONS



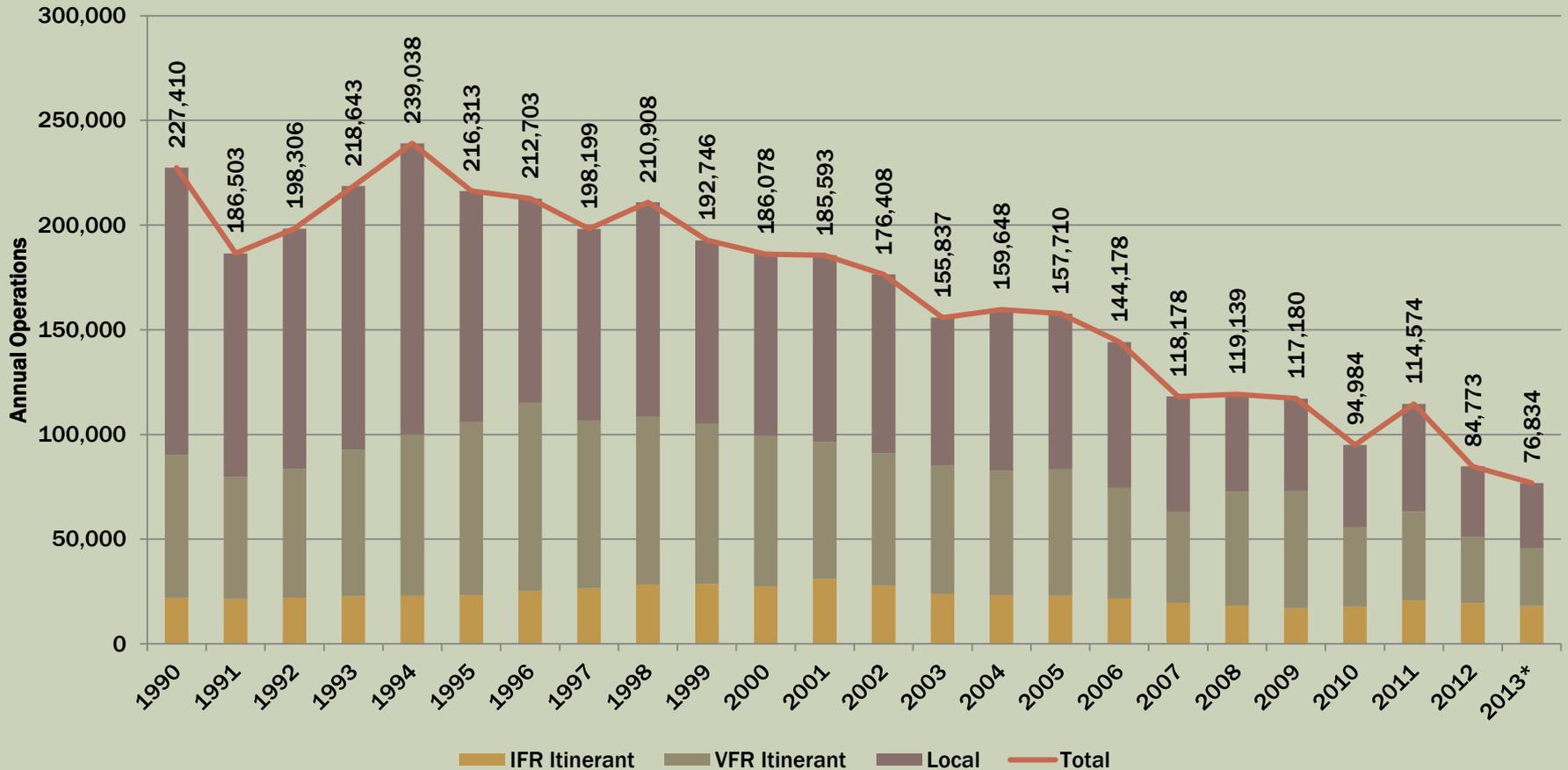
Flying Cloud Airport Noise Complaint Locations
2013

2013 FAA AIRPORT OPERATIONS DATA

- FAA data for 12 months ending 11/30/2013
- 76,834 total operations
 - Decrease of 7,939 (9.4%) from 84,773 operations in CY 2012
 - Continues long-term trend, with most of the decrease due to reduction in local flights (2,738) and itinerant VFR operations (3,803)
 - FAA counting methodology changed in 2012; year-over-year counts similar from June 2012 onward
 - 7th busiest airport in Minnesota and adjacent four states
- 18,094 IFR (Instrument Flight Rules) operations
 - Decrease of 1,398 (7%) from 19,492 operations in CY 2012
 - Similar volume to 2008 and 2010
 - 16th busiest IFR airport in Minnesota and adjacent four states

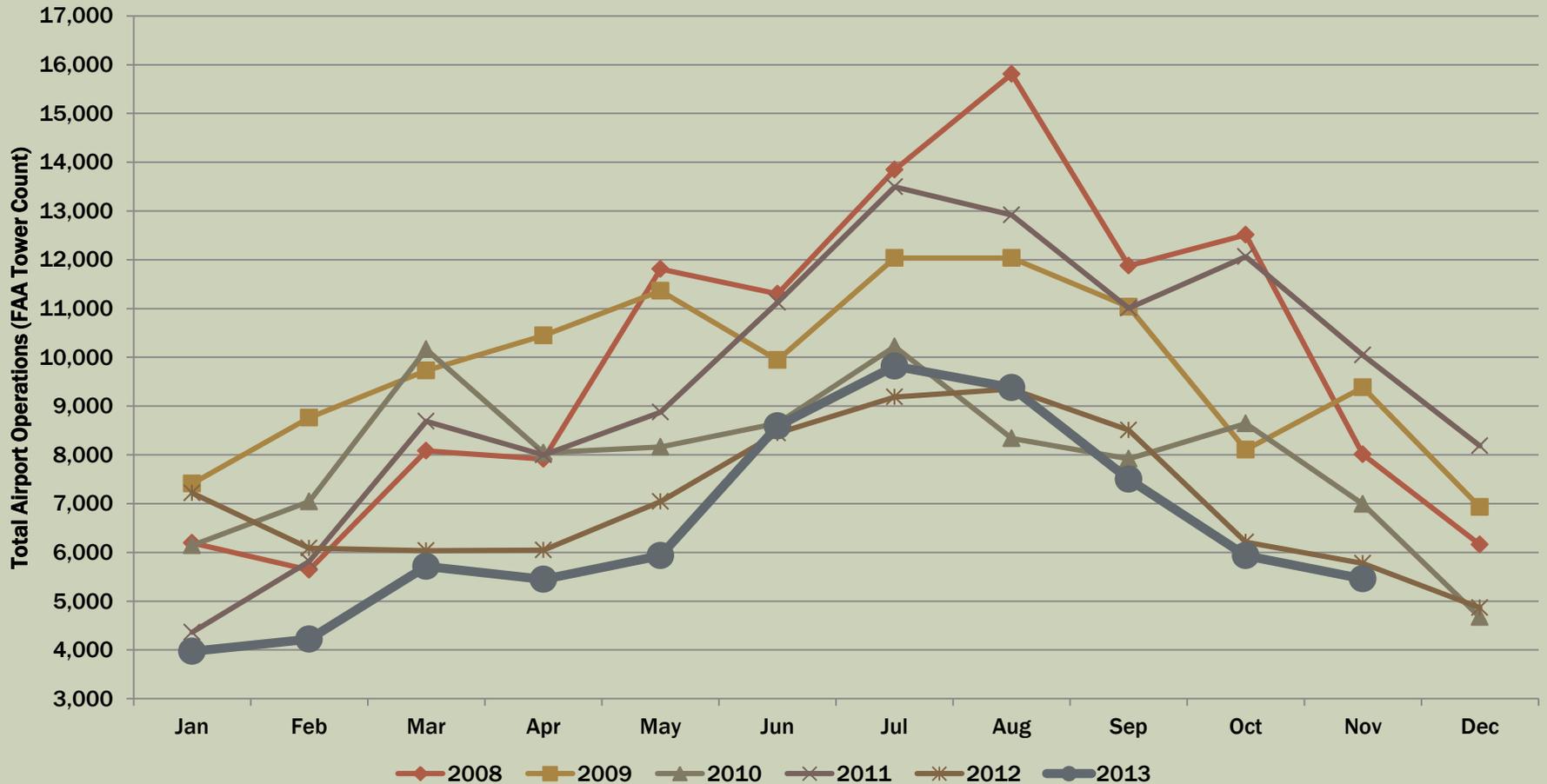
FLYING CLOUD OPERATIONS 1990-2013

FCM Airport Operations 1990-2013



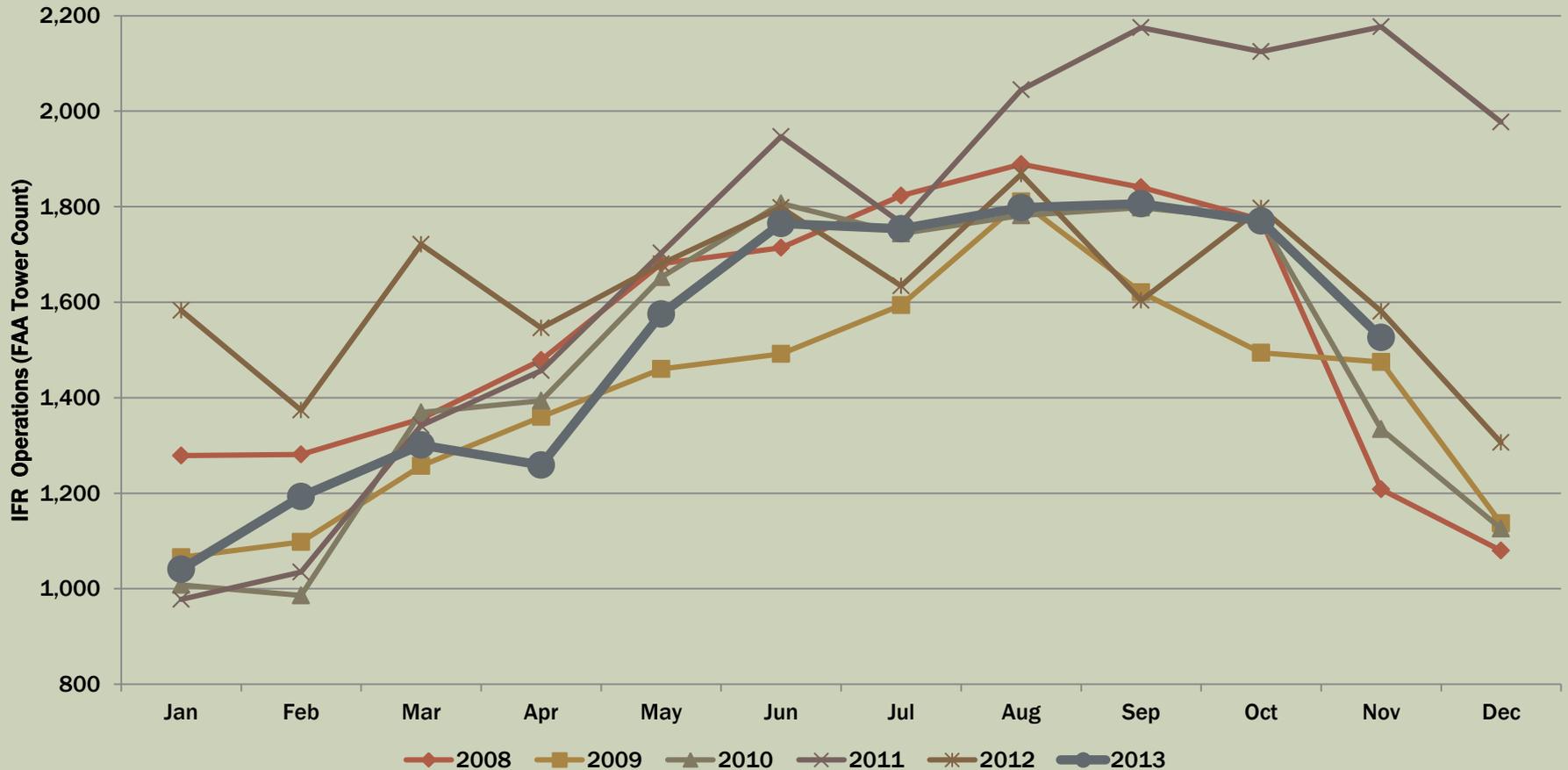
MONTHLY FLYING CLOUD OPERATIONS

FCM Airport Operations (2008-2013)



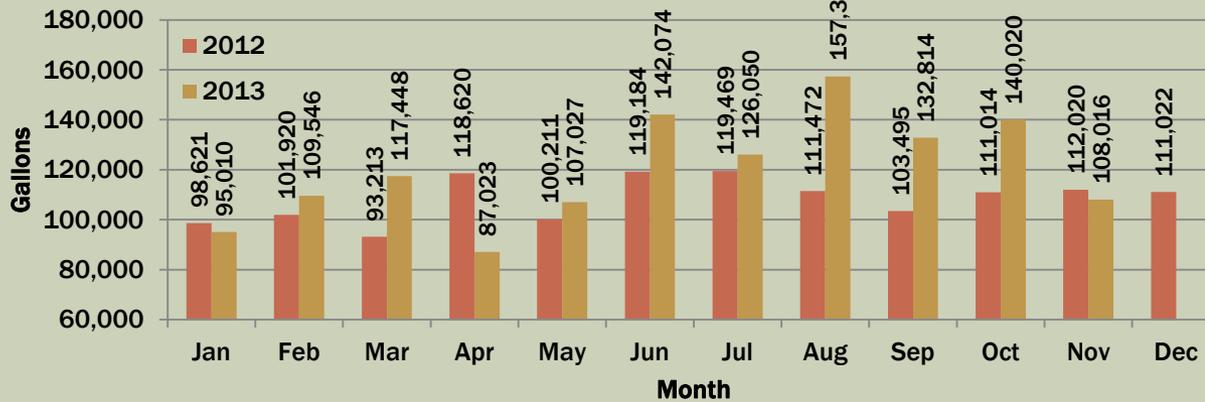
MONTHLY FLYING CLOUD IFR OPERATIONS

FCM Airport IFR Operations (2008-2013)

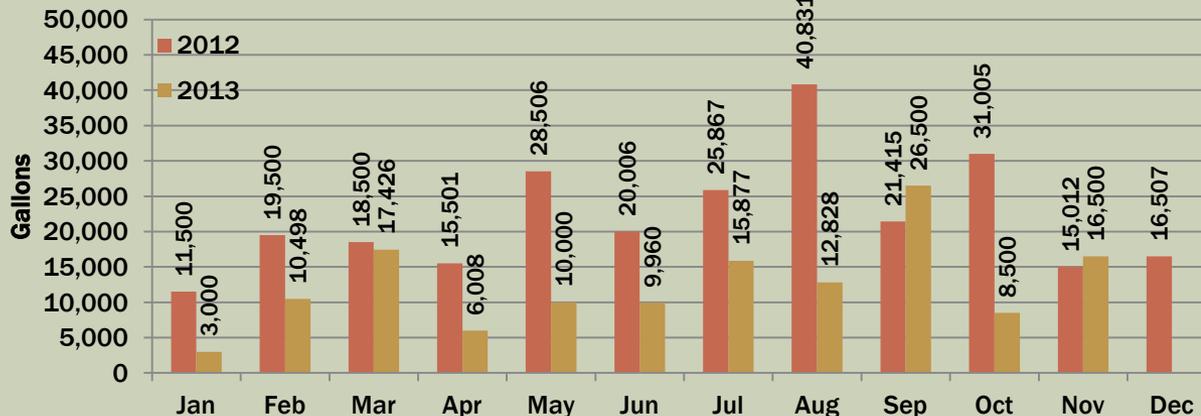


FUEL FLOWAGE - 2012/2013

FCM Fuel Flowage: Jet-A



FCM Fuel Flowage: 100LL

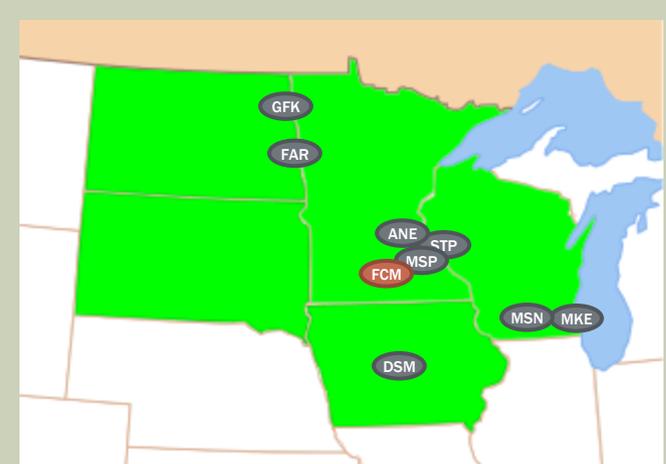


Fuel Type	2012	2013*	Change	% Chg
Jet-A	1,300,261	1,433,369	133,108	10%
100LL	264,150	153,604	-110,546	-42%
Total	1,564,411	1,586,973	22,562	1%

REGIONAL OPERATIONS COMPARISON- 2012

Facility	Name	City	State	Total Airport Operations	Rank	IFR Itinerant	VFR Itinerant	Local
MSP*	Minneapolis / St Paul Intl	Minneapolis	MN	424,928	1	424,127	801	0
GFK	Grand Forks Intl	Grand Forks	ND	366,157	2	49,991	72,438	243,728
MKE	Gen Mitchell Intl	Milwaukee	WI	133,498	3	128,491	4,862	145
FCM*	Flying Cloud	Eden Prairie	MN	84,773	4	19,492	31,451	33,830
MSN	Dane County Regional	Madison	WI	8,761	5	48,420	17,104	17,237
DSM	Des Moines Intl	Des Moines	IA	80,036	6	61,645	10,844	7,547
STP*	St. Paul Downtown	St. Paul	MN	79,918	7	21,776	22,521	35,621
ANE*	Anoka County-Blaine	Blaine	MN	79,350	8	14,147	33,088	32,115
FAR	Hector Intl	Fargo	ND	78,186	9	35,826	14,681	27,679
OSH	Witmann Regional	Oshkosh	WI	69,174	10	5,240	31,898	32,036
FSD	Joe Foss Field	Sioux Falls	SD	67,568	11	50,338	8,365	8,865
GRB	Austin Straubel Intl	Green Bay	WI	63,832	12	29,312	9,878	24,642
DLH	Duluth Intl	Duluth	MN	61,446	13	22,247	14,613	24,586
CID	Eastern Iowa	Cedar Rapids	IA	56,300	14	36,582	9,590	10,128
JVL	Southern Wisconsin Regional	Janesville	WI	55,076	15	5,914	22,829	26,333
UES	Waukesha County	Waukesha	WI	54,801	16	9,291	28,014	17,496
ENW	Kenosha Regional	Kenosha	WI	52,738	17	7,642	20,037	25,059
BIS	Bismarck Municipal	Bismarck	ND	50,443	18	23,105	13,550	13,788
MIC*	Crystal	Crystal	MN	48,220	19	3,209	24,555	20,456
MOT	Minot Intl	Minot	ND	44,970	20	15,749	11,113	18,108
RAP	Rapid City Regional	Rapid City	SD	43,818	21	21,207	13,273	9,338
DBQ	Dubuque Regional	Dubuque	IA	41,721	22	7,173	14,301	20,247
RST	Rochester Intl	Rochester	MN	37,816	23	20,040	8,183	9,593
ATW	Outagamie County Regional	Appleton	WI	35,119	24	19,274	8,309	7,536
STC	St. Cloud Regional	St. Cloud	MN	31,970	25	3,433	13,180	15,357
MWC	Timmerman	Milwaukee	WI	30,806	26	3,244	11,413	16,149
EAU	Chippewa Valley Regional	Eau Claire	WI	26,708	27	9,228	11,319	6,161
LSE	La Crosse Municipal	La Crosse	WI	22,831	28	10,641	6,977	5,213
ALO	Waterloo Regional	Waterloo	IA	20,692	29	6,505	6,251	7,936
SUX	Sioux Gateway	Sioux City	IA	16,841	30	11,049	3,544	2,248
CWA	Central Wisconsin	Mosinee	WI	15,236	31	10,438	2,952	1,846

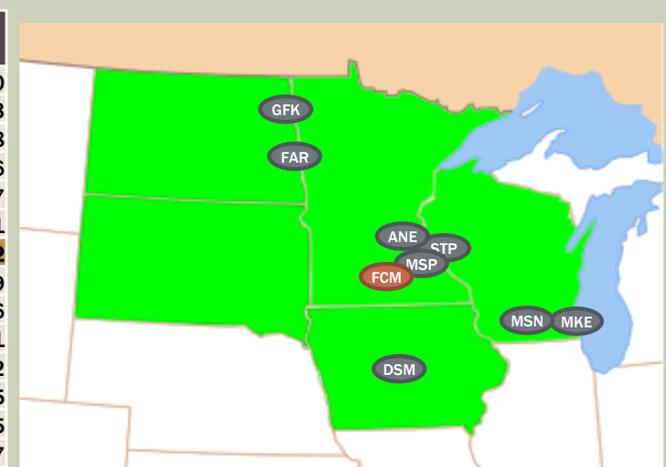
*MAC-owned airport



Source: FAA Air Traffic Activity System (ATADS)

REGIONAL OPERATIONS COMPARISON – 2013

Facility	Name	City	State	Total Airport Operations	Rank	IFR Itinerant	VFR Itinerant	Local
MSP*	Minneapolis / St Paul Intl	Minneapolis	MN	430,273	1	429,651	622	0
GFK	Grand Forks Intl	Grand Forks	ND	346,118	2	57,721	72,064	216,333
MKE	Gen Mitchell Intl	Milwaukee	WI	119,662	3	115,443	3,251	968
MSN	Dane County Regional	Madison	WI	84,564	4	49,912	16,316	18,336
FAR	Hector Intl	Fargo	ND	80,706	5	38,844	14,365	27,497
ANE*	Anoka County-Blaine	Blaine	MN	77,590	6	14,138	29,791	33,661
FCM*	Flying Cloud	Eden Prairie	MN	76,834	7	18,094	27,648	31,092
DSM	Des Moines Intl	Des Moines	IA	76,425	8	59,357	9,389	7,679
STP*	St. Paul Downtown	St. Paul	MN	69,347	9	20,513	19,278	29,556
OSH	Witmann Regional	Oshkosh	WI	68,832	10	5,262	33,609	29,961
FSD	Joe Foss Field	Sioux Falls	SD	65,633	11	50,578	7,493	7,562
ENW	Kenosha Regional	Kenosha	WI	57,012	12	7,262	20,445	29,305
DLH	Duluth Intl	Duluth	MN	55,035	13	22,911	12,609	19,515
BIS	Bismarck Municipal	Bismarck	ND	50,987	14	24,719	12,451	13,817
CID	Eastern Iowa	Cedar Rapids	IA	50,526	15	35,489	7,403	7,634
GRB	Austin Straubel Intl	Green Bay	WI	49,989	16	27,844	8,946	13,199
UES	Waukesha County	Waukesha	WI	48,572	17	9,449	23,168	15,955
DBQ	Dubuque Regional	Dubuque	IA	48,247	18	7,469	16,129	24,649
MIC*	Crystal	Crystal	MN	43,029	19	2,895	21,006	19,128
JVL	Southern Wisc. Regional	Janesville	WI	42,763	20	5,154	15,928	21,681
RST	Rochester Intl	Rochester	MN	41,329	21	21,376	7,543	12,410
RAP	Rapid City Regional	Rapid City	SD	41,092	22	20,848	11,409	8,835
ATW	Outagamie County Regional	Appleton	WI	34,077	23	18,575	8,177	7,325
MOT	Minot Intl	Minot	ND	31,963	24	15,972	6,875	9,116
MWC	Timmerman	Milwaukee	WI	30,785	25	3,153	11,122	16,510
STC	St. Cloud Regional	St. Cloud	MN	30,351	26	4,384	13,191	12,776
EAU	Chippewa Valley Regional	Eau Claire	WI	23,866	27	8,996	9,000	5,870
ALO	Waterloo Regional	Waterloo	IA	20,696	28	5,923	5,723	9,050
LSE	La Crosse Municipal	La Crosse	WI	19,589	29	9,627	6,093	3,869
SUX	Sioux Gateway	Sioux City	IA	17,454	30	10,461	3,316	3,677
CWA	Central Wisconsin	Mosinee	WI	14,163	31	9,918	2,543	1,702



*MAC-owned airport

FAA DEFINITIONS

- ***Local operations:*** Operations performed by aircraft which:
 - Operate in the local traffic pattern or within sight of the airport;
 - Are known to be departing for, or arriving from flight in local practice areas located within a 20-mile radius of the airport; or
 - Execute simulated instrument approaches or low passes at the airport.

- ***Itinerant operations:*** All aircraft operations other than local operations

- ***Instrument flight rules (IFR):*** Rules governing the procedures for conducting flight under instrument meteorological conditions (IMC) instrument flight.

- ***Visual flight rules (VFR):*** Rules that govern the procedures for conducting flight under visual conditions.

THANK YOU

