

KAPA Monthly Fuel Flowage Data, 2012 through August 2024

				12mo running sum:		12mo Running Sum vs ave.		Pounds Lead per year		12mo 94UL running sum:		12mo 94UL as % of AvGas	
mo	yr	fuel type	% total fuel	gallons flowed	AvGas	yr2yr chg			94UL gallons flowed	94UL			
Ave. (2012 thru AUG 2024):				52,683	628,809			2,885					
				Ave.: 1,105,065						13,329,732			
2012		AvGas	4%	607,701			97%	2,840				10,892,820	82%
2013		AvGas	5%	639,567		5%	102%	2,989				11,231,026	84%
2014		AvGas	4%	626,989		-2%	100%	2,930				12,456,828	93%
2015		AvGas	3%	574,372		-8%	91%	2,684				12,707,518	95%
2016		AvGas	3%	544,938		-5%	87%	2,546				12,931,903	97%
2017		AvGas	4%	571,810		5%	91%	2,672				12,978,116	97%
2018		AvGas	4%	640,726		12%	102%	2,994				13,626,148	102%
2019		AvGas	4%	640,800		0%	102%	2,994				13,730,176	103%
1	2020	AvGas	4%	51,503	648,423	2%	103%	3,030				1,176,223	103%
2	2020	AvGas	4%	41,809	653,019	3%	104%	3,051				1,091,945	103%
3	2020	AvGas	5%	45,386	649,402	2%	103%	3,035				858,404	-2%
4	2020	AvGas	7%	23,335	621,617	-3%	99%	2,905				313,675	-7%
5	2020	AvGas	8%	53,471	626,086	-1%	100%	2,926				605,207	-12%
6	2020	AvGas	6%	63,032	627,487	0%	100%	2,932				906,835	-13%
7	2020	AvGas	6%	65,055	621,641	-1%	99%	2,905				1,095,133	-13%
8	2020	AvGas	5%	67,240	619,524	-2%	99%	2,895				1,193,028	-14%
9	2020	AvGas	6%	64,154	621,050	-2%	99%	2,902				1,094,213	-15%
10	2020	AvGas	5%	63,286	633,349	-1%	101%	2,960				1,196,570	-15%
11	2020	AvGas	5%	50,834	637,768	0%	101%	2,980				1,024,012	-14%
12	2020	AvGas	4%	47,027	636,132	-1%	101%	2,973				1,084,558	-15%
1	2021	AvGas	4%	49,218	633,847	-2%	101%	2,962				1,102,862	-16%
2	2021	AvGas	3%	37,990	630,028	-4%	100%	2,944				1,053,193	-16%
3	2021	AvGas	4%	45,840	630,482	-3%	100%	2,946				1,253,230	-11%
4	2021	AvGas	4%	49,383	656,530	6%	104%	3,068				1,126,587	0%
5	2021	AvGas	4%	51,140	654,199	4%	104%	3,057				1,202,765	9%
6	2021	AvGas	5%	64,092	655,259	4%	104%	3,062				1,359,275	15%
7	2021	AvGas	4%	66,563	656,767	6%	104%	3,069				1,555,439	19%
8	2021	AvGas	4%	67,149	656,676	6%	104%	3,069				1,556,781	23%
9	2021	AvGas	4%	64,747	657,269	6%	105%	3,071				1,434,779	27%
10	2021	AvGas	3%	57,366	651,349	3%	104%	3,044				1,590,509	31%
11	2021	AvGas	4%	54,430	654,945	3%	104%	3,060				1,395,155	34%
12	2021	AvGas	3%	48,630	656,548	3%	104%	3,068				1,502,002	39%
1	2022	AvGas	3%	47,504	654,834	3%	104%	3,060				1,337,649	42%
2	2022	AvGas	4%	47,984	664,828	6%	106%	3,107				1,269,960	44%
3	2022	AvGas	3%	52,221	671,209	6%	107%	3,136				1,565,342	42%
4	2022	AvGas	4%	48,904	670,730	2%	107%	3,134				1,309,524	34%
5	2022	AvGas	4%	54,837	674,427	3%	107%	3,152				1,296,516	29%
6	2022	AvGas	4%	56,679	667,014	2%	106%	3,117				1,398,453	25%
7	2022	AvGas	4%	59,506	659,957	0%	105%	3,084				1,359,634	19%
8	2022	AvGas	4%	67,018	659,826	0%	105%	3,083				1,471,847	16%
9	2022	AvGas	5%	66,552	661,631	1%	105%	3,092				1,406,825	13%
10	2022	AvGas	4%	50,756	655,021	1%	104%	3,061				1,377,701	9%
11	2022	AvGas	4%	54,203	654,794	0%	104%	3,060				1,159,196	5%
12	2022	AvGas	3%	44,795	650,959	-1%	104%	3,042				1,242,938	0%
1	2023	AvGas	4%	45,083	648,538	-1%	103%	3,031				1,099,210	-3%
2	2023	AvGas	5%	60,074	660,628	-1%	105%	3,087				1,109,208	-5%
3	2023	AvGas	4%	51,084	659,491	-2%	105%	3,082				1,283,828	-8%
4	2023	AvGas	5%	55,085	665,672	-1%	106%	3,111				1,037,244	-11%
5	2023	AvGas	4%	54,641	665,476	-1%	106%	3,071	8,373	15%		1,186,767	-12%
6	2023	AvGas	4%	58,039	666,836	0%	106%	3,023	11,637	20%		1,235,889	-13%
7	2023	AvGas	6%	70,925	678,255	3%	108%	3,014	13,332	19%		1,159,772	-13%
8	2023	AvGas	6%	78,251	689,488	4%	110%	2,994	15,372	20%		1,241,150	-14%
9	2023	AvGas	5%	73,948	696,884	5%	111%	2,969	12,895	17%		1,286,201	-15%
10	2023	AvGas	5%	68,883	715,011	9%	114%	2,983	15,053	22%		1,317,812	-14%
11	2023	AvGas	5%	58,435	719,243	10%	114%	2,939	13,676	23%		1,169,947	-13%
12	2023	AvGas	4%	52,580	727,028	12%	116%	2,923	11,184	21%		1,199,625	-12%
1	2024	AvGas	4%	47,434	729,379	12%	116%	2,879	11,792	25%		1,107,110	-10%
2	2024	AvGas	5%	50,425	719,730	9%	114%	2,780	11,471	23%		1,051,620	-10%
3	2024	AvGas	5%	59,105	727,751	10%	116%	2,753	13,784	23%		1,147,789	-9%
4	2024	AvGas	5%	54,899	727,565	9%	116%	2,696	12,060	22%	150,629	1,025,983	-7%
5	2024	AvGas	5%	63,655	736,579	11%	117%	2,714	13,628	21%	155,884	1,134,781	-7%
6	2024	AvGas	5%	69,105	747,645	12%	119%	2,757	13,438	19%	157,685	1,198,844	-6%
7	2024	AvGas	6%	72,999	749,719	11%	119%	2,763	13,978	19%	158,331	1,170,543	-5%
8	2024	AvGas	5%	72,634	744,102	8%	118%	2,745	13,729	19%	156,688	1,284,007	-3%

Key Takeaways, KAPA monthly fuel volumes through August 2024:

- DEFINITIONS: 'AvGas' is the fuel used for most prop planes, and has two types: 'LL' = low-lead, 'UL' = unleaded. 'Running-Sum' adds the most recent 12-months. 'Fuel Flowage' includes both 'sales' (to outsiders, buying the fuel) and 'non-sales' (to in-fleet planes, such as for FBO aircraft used for rental or flight training).
- 12-month running-sum fuel volumes through August 2024: jetfuel: down 3%; AvGas (100LL plus 94UL): up 8%.
- Seasonality: AvGas volume tends to be heaviest in August, lightest in January; jet fuel volume tends to be heaviest in summer/fall, slowest in winter/spring.
- Red-Blue Colorscale: applied to running-sum volume data, red (20% higher than overall monthly average) vs. blue (20% lower).
- Orange-Green Colorscale: applied to year-to-year change in running-sum volume data, orange (20% higher than monthly average) vs. green (20% lower).
- COVID IMPACT: AvGas was virtually unchanged, but jetfuel saw reductions averaging 15% (followed by a rebound summer 2021 through fall 2022).
- Jetfuel volume through August 2024 is 2.3% higher than the pre-COVID total through February 2019; for the same timeframe, AvGas volume is up 13.9%.
- Unleaded fuel volume: sales of Swift 94UL fuel were begun in May 2023, but the airport authority has not yet arranged sales of GAMI100UL fuel.
- 94UL volume peaked at 25% of all AvGas in January 2024, and has since declined to roughly 19% of all AvGas.
- How much lead (Pb) pollution? There is one pound of lead in each 214 gallons of 100LL. So, in the year ending April 2023, fuel volume included 3,111 pounds of lead.
- Lead pollutants averaged 2,831 pounds/year from 2012 through 2019; through August 2024, 94UL sales have achieved a 3% net reduction of lead, to 2,745 pounds/year.
- Note that the three primary airport revenue sources are: fuel flowage fees, fees (landing fees, overnight parking, etc.), and leases (hangars and/or ground space).
As set by the airport authority, fuel flowage fees are 7cts/gal AvGas and 10cts/gal jetfuel; most aircraft pay zero landing fees.