

Truckee Tahoe Airport District

Q1 2021 Operations & Comments Report



Operations

- 6,522 operations: a 20% increase from Q1 2020 and a 32% increase from Q1 2019
- January down 2%, February down 8%, March up 123% from respective months in 2020
- Truckee ATC counted 1,686 IFR operations during tower operational hours (07:00—18:00 local)
- Strong southerly winds blew for many days in March resulting in an increased use of Runway 20
- GTX G-1000 Flight Simulator flown 178 hours
- 1,202 touch and go's

Exhibit 1: Q1 Operations by Type — 3 Years					
	2019	2020	% Change	2021	% Change
Helicopter	180	164	-9%	192	17%
Jet	658	995	51%	1,319	33%
Piston	2,596	2,882	11%	3,675	28%
Turboprop	1,497	1,393	-7%	1,336	-4%
Total	4,931	5,434	10%	6,522	20%

Exhibit 2: Q1 Comments by Type — 3 Years					
	2019	2020	Ops per Comment	2021	Ops per Comment
Helicopter	1	3	55	3	64
Jet	7	9	111	43	31
Piston	48	15	192	67	55
Turboprop	14	9	155	38	35
Total	71	36	151	152	43

Comments and Households

- 40 households, up from 18 in Q1 2020
- 152 comments, up from 36 in Q1 2020
- 3 new households this quarter
- Top three households made 55, 14 and 13 comments
- Significant increase in comments and households from Glenshire as a result of southerly winds in March

Top 5 Commercial Operators

1. **Mountain Lion Aviation** 713 operations
2. **Sierra Aero** 515 operations
3. **Net Jets** 243 operations
4. **Surf Air** 178 operations
5. **Wheels Up** 131 operations

Voluntary Curfew Deviations 10 pm — 7 am

- 19 Non - EMS operations
- 5 more deviations than Q1 2020
- 4 helicopters, 1 jet, 9 pistons, 5 turboprops
- 21 EMS operations: 19 helicopters, 2 turboprops
- No hangar tenant Fly Quiet violations

Top 5 Region Origins*

1. **Bay Area** 865 arrivals
2. **Western States (NV to CO)** 340 arrivals
3. **Southern California** 314 arrivals
4. **Sacramento Area** 120 arrivals
5. **Central California** 80 arrivals

*Based on top 224 airport origins that visited KTRK in 2020

Exhibit 3: Q1 2021 Voluntary Curfew Operations									
	10pm	11pm	12am	1am	2am	3am	4am	5am	6am
Arrival	7	1							3
Departure		1							5
Overflight								1	1

Exhibit 4a: Q1 2021 Noise Comment Heat Map (5 mile radius)

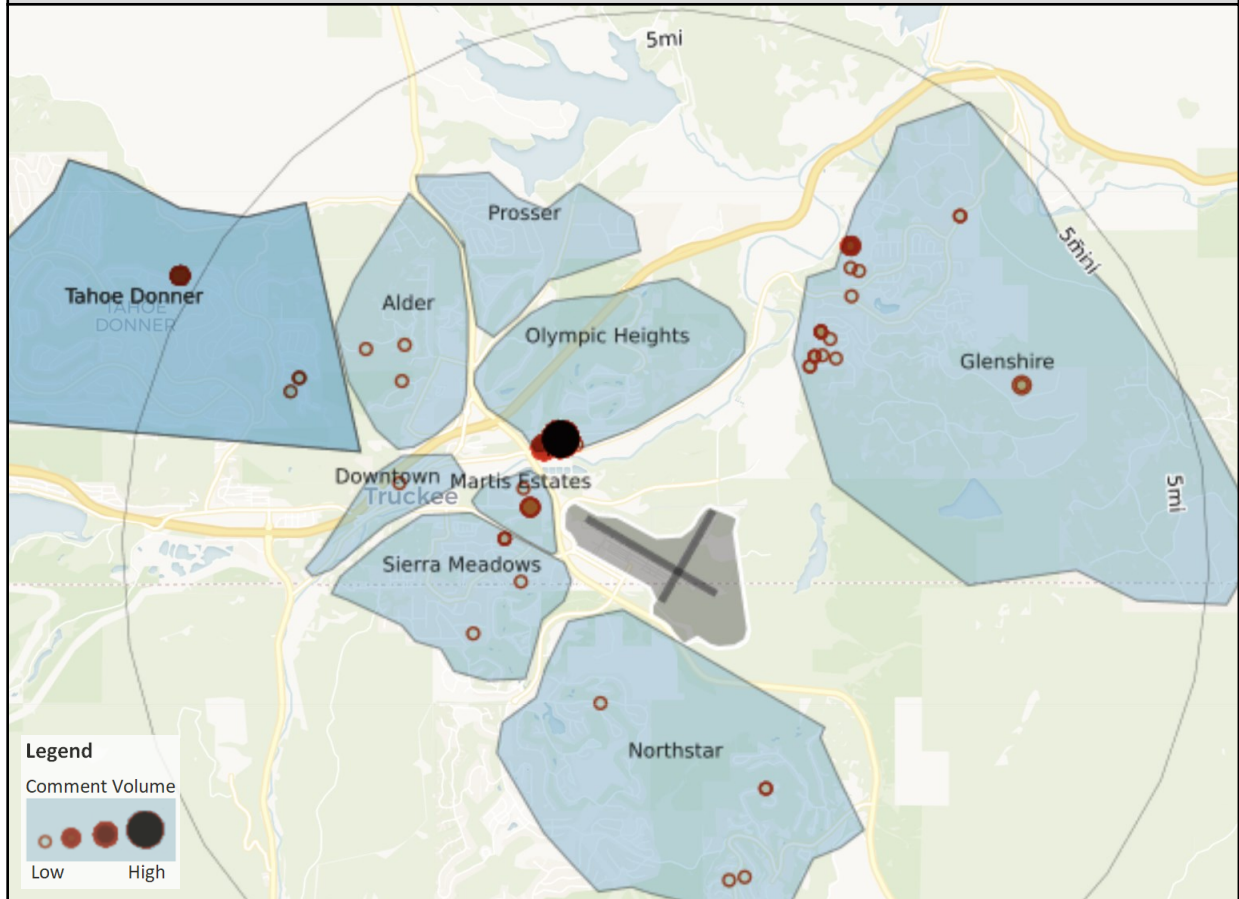


Exhibit 4b: Q1 Heat Map (Tahoe Basin)

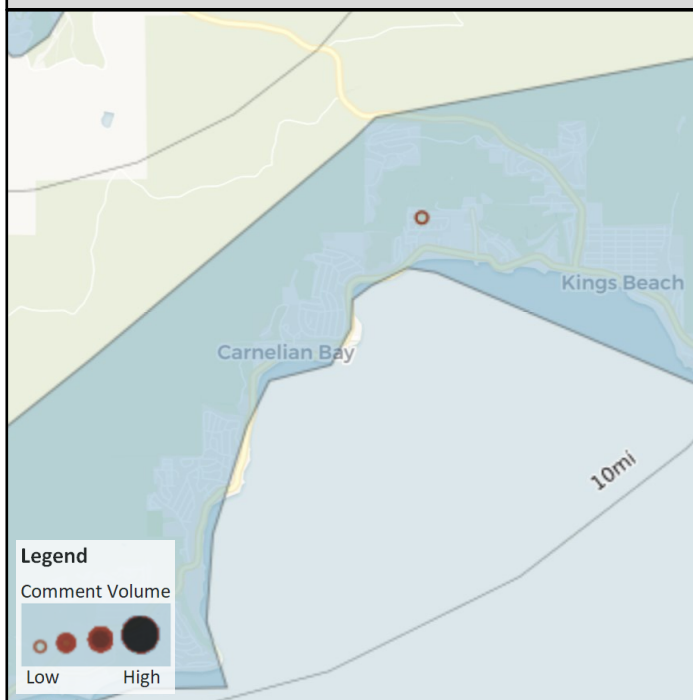
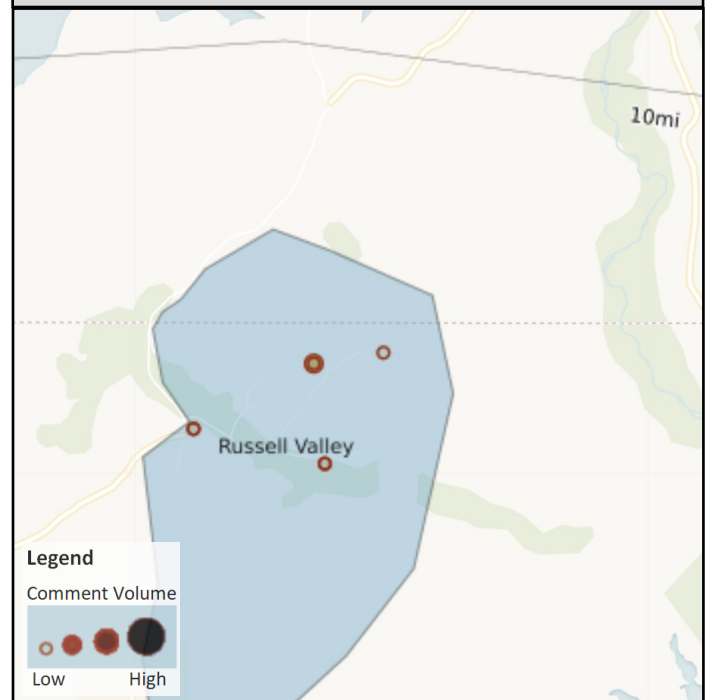


Exhibit 4c: Q1 Heat Map (Russell Valley)





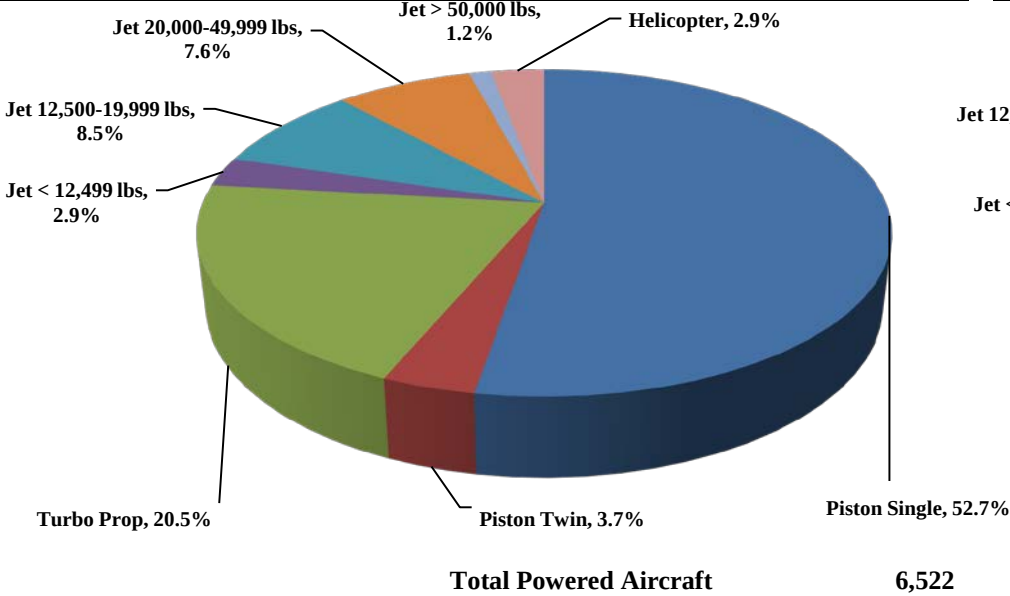
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Operations and Community Comment Report

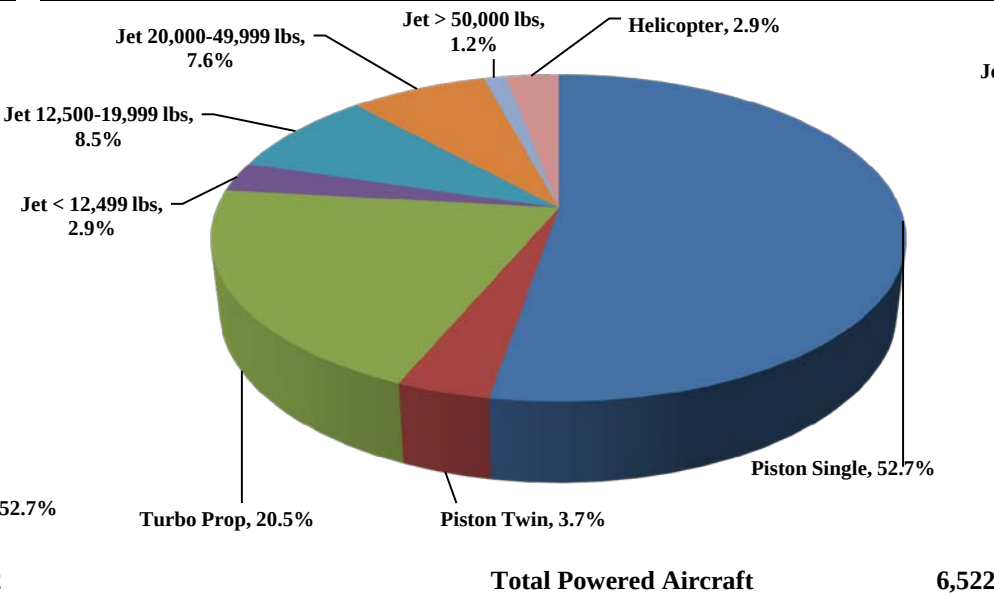
as of 3/31/21



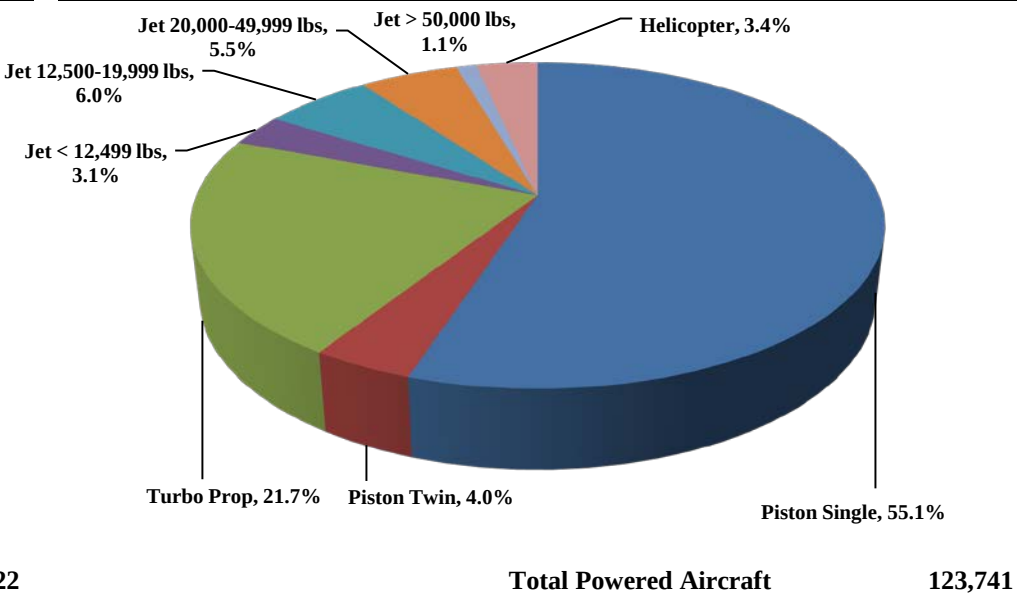
Current Quarter | Operations
January 1, 2021 - March 31, 2021



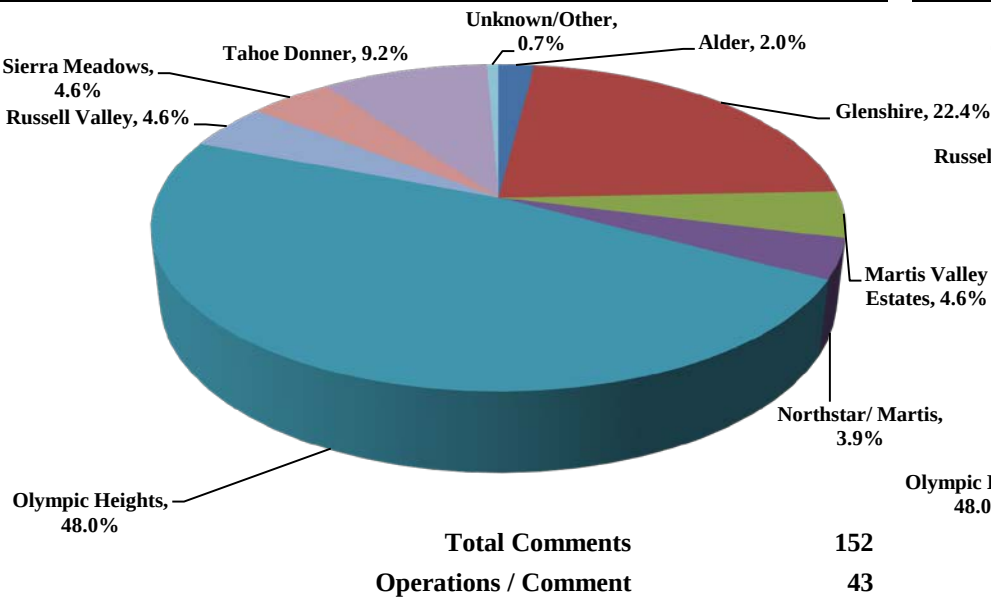
Year-to-Date | Operations
January 1, 2021 - March 31, 2021



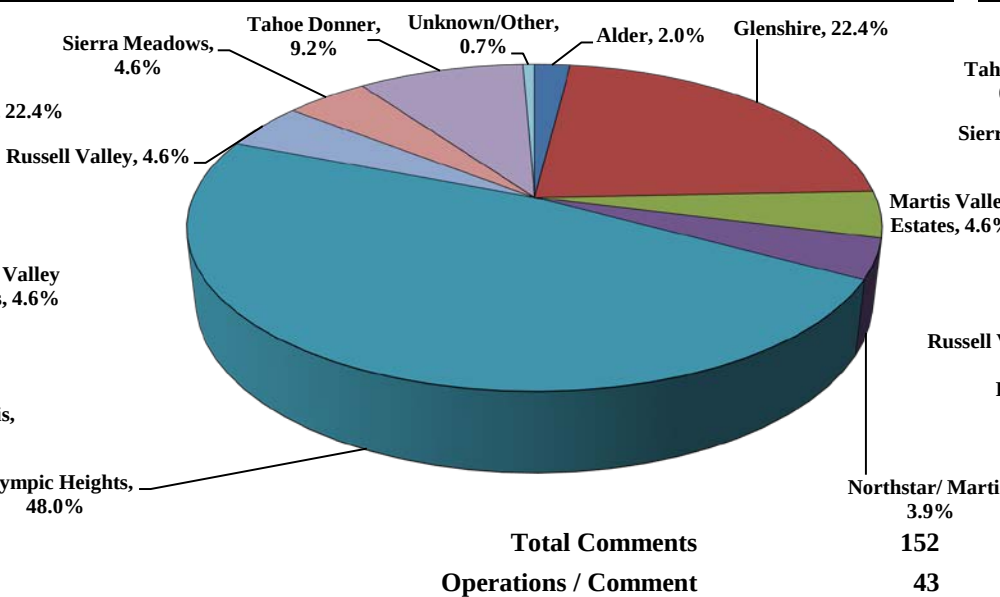
Historic | Operations
January 1, 2017 - March 31, 2021



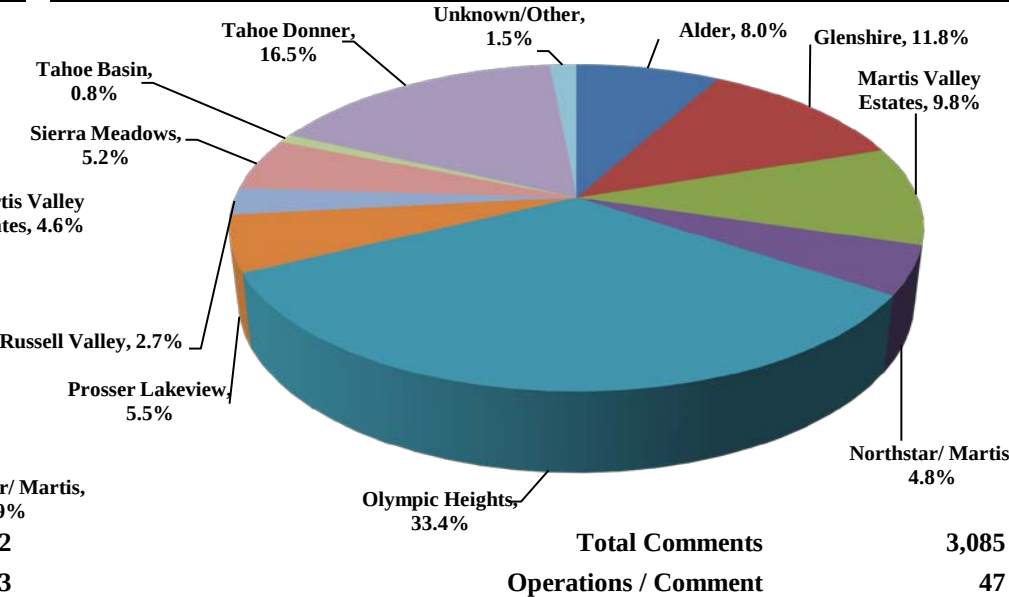
Current Quarter | Comments
January 1, 2021 - March 31, 2021



Year-to-Date | Comments
January 1, 2021 - March 31, 2021



Historic | Comments
January 1, 2017 - March 31, 2021



Notes

Operations graphs above use Total Powered Aircraft. Glider operations are not included.
2018 - Launched Community Hotline & Plane Noise with Smart Receipt
2017 - Residential Zones changed to match minimum of 1% of total comments
2015 – Jet > 50,000 lbs category added in Q1 2014 – TTAD launched 'Report Noise' link in website



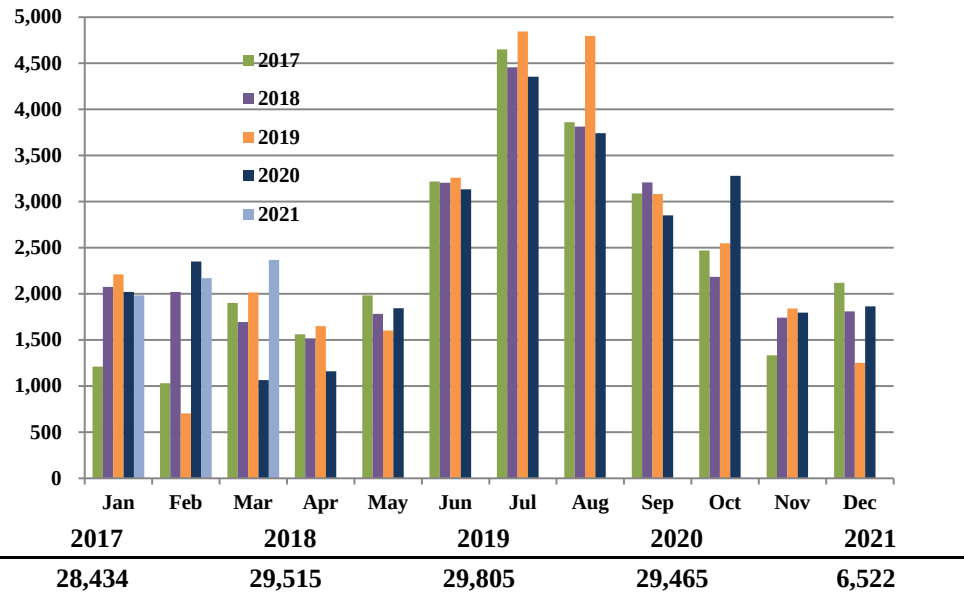
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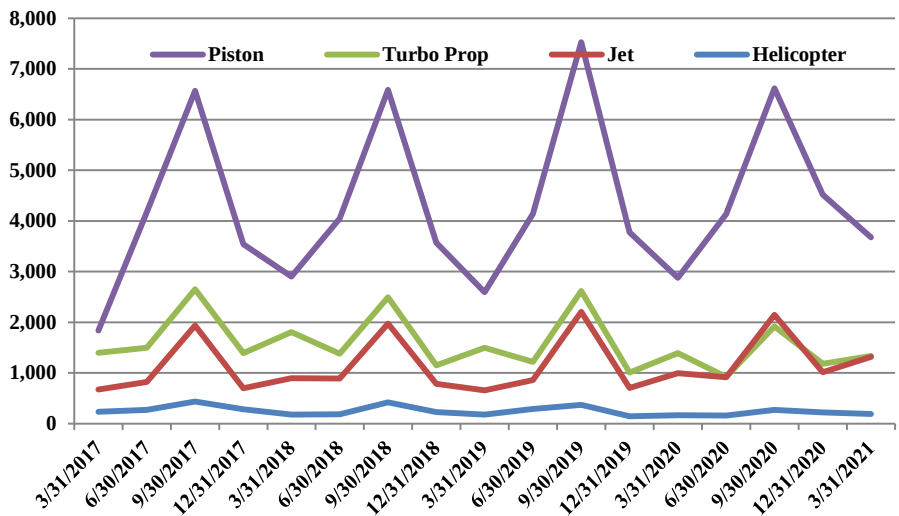
as of 3/31/21



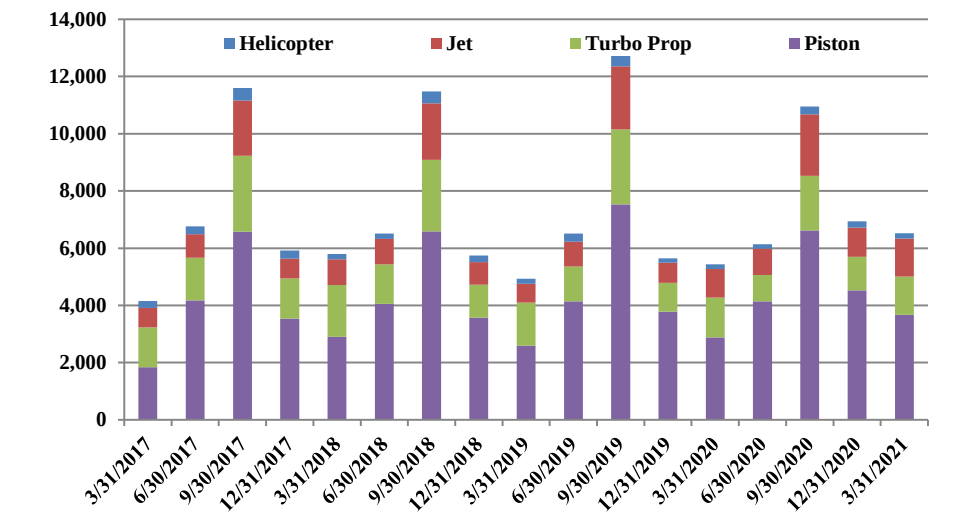
Operations | by Month by Year
January 1, 2017 - March 31, 2021



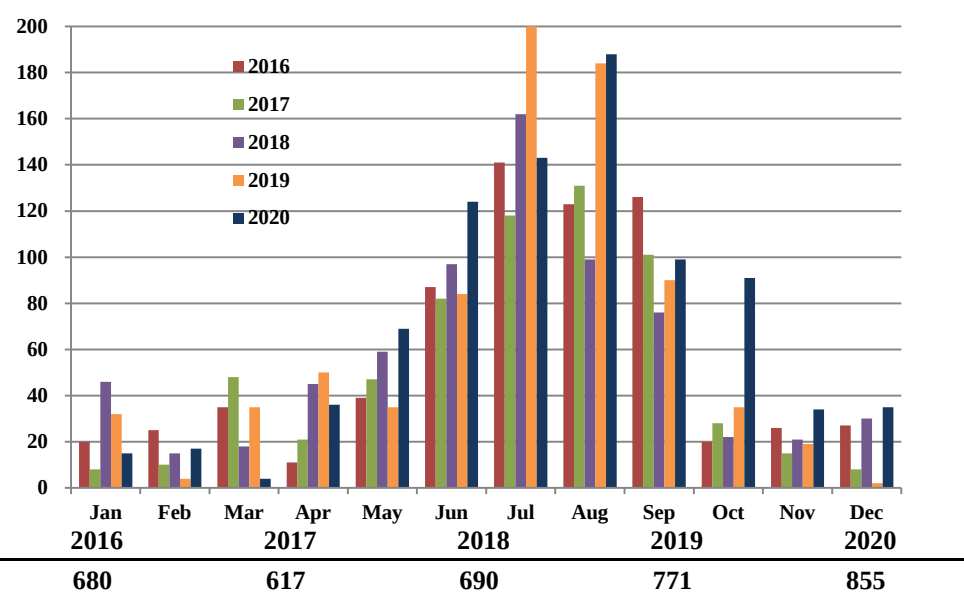
Operations | by Type by Quarter
January 1, 2017 - March 31, 2021



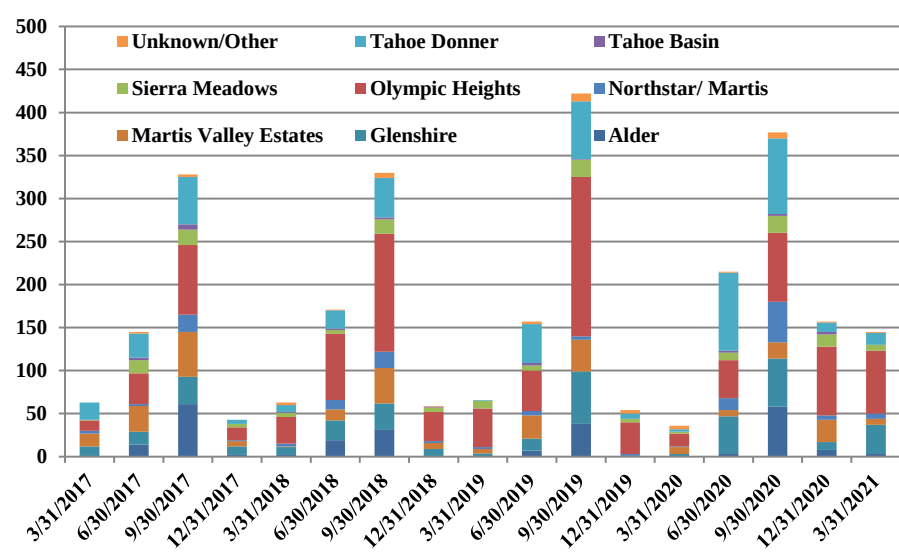
Operations | Mix by Type by Quarter
January 1, 2017 - March 31, 2021



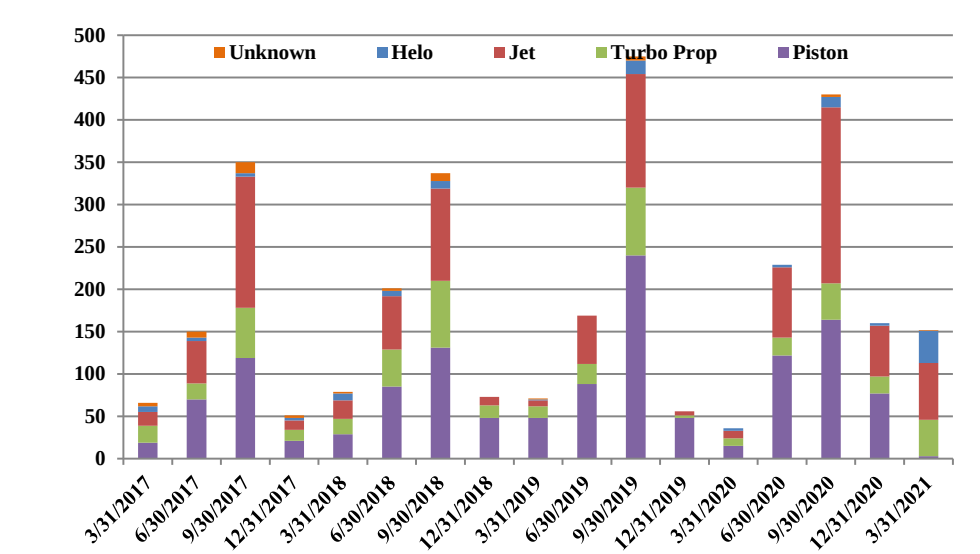
Comments | by Month by Year
January 1, 2017 - March 31, 2021



Comments | by Locale by Quarter
January 1, 2017 - March 31, 2021



Comments | by Type by Quarter
January 1, 2017 - March 31, 2021

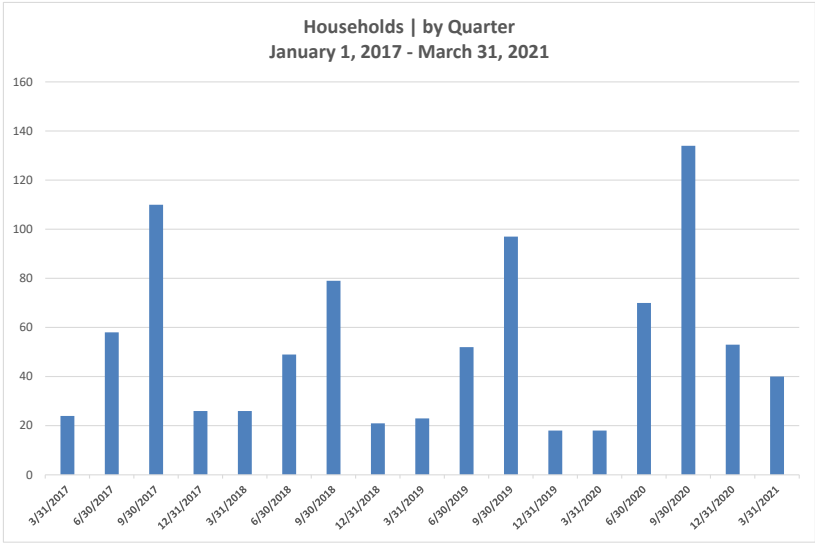
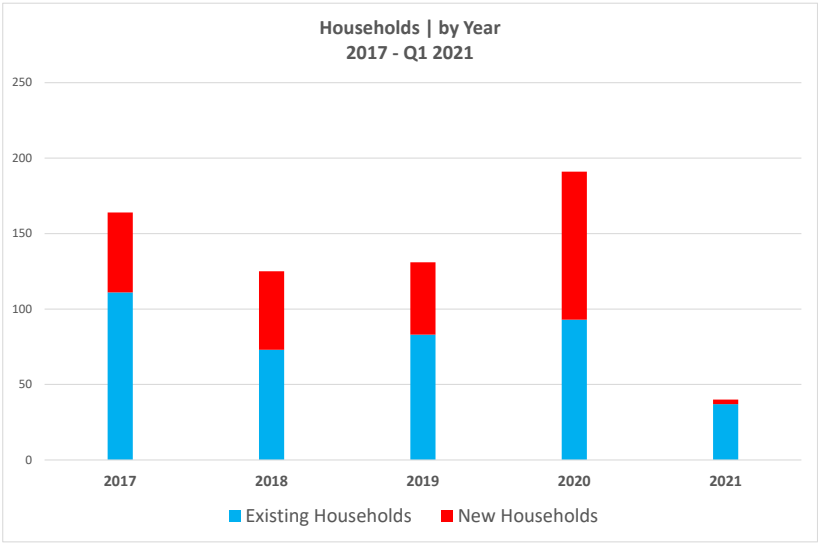


Notes

Operations graphs above use Total Powered Aircraft. Glider operations are not included.
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2017 - Residential Zones changed to match minimum of 1% of total comments
2015 – Jet > 50,000 lbs category added in Q1
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Truckee Tahoe Airport District Households Summary 2017-2021





Truckee Tahoe Airport District
Operations and Community Comment Report
as of 3/31/21



OPERATIONS														
	2020				2021						Year over Year			
	Jan	Feb	Mar	Q1	Jan	Feb	Mar	Q1	difference	%	4/1/19 - 3/31/20	4/1/20 - 3/31/21	difference	%
Operations Detail														
Piston Single	877	1,207	562	2,646	1,060	1,145	1,230	3,435	789	29.82%	17,094	17,791	697	4.08%
Piston Twin	78	108	50	236	55	83	102	240	4	1.69%	1,236	1,156	(80)	(6.47%)
Turbo Prop	597	557	239	1,393	420	428	488	1,336	(57)	(4.09%)	6,242	5,361	(881)	(14.11%)
Jet < 12,499 lbs	73	88	29	190	56	63	69	188	(2)	(1.05%)	1,003	827	(176)	(17.55%)
Jet 12,500-19,999 lbs	178	138	62	378	161	207	187	555	177	46.83%	1,758	2,060	302	17.18%
Jet 20,000-49,999 lbs	132	161	70	363	130	184	182	496	133	36.64%	1,702	2,072	370	21.74%
Jet > 50,000 lbs	27	31	6	64	32	14	34	80	16	25.00%	304	440	136	44.74%
Helicopter	58	60	46	164	68	48	76	192	28	17.07%	969	846	(123)	(12.69%)
Total Powered Aircraft	2,020	2,350	1,064	5,434	1,982	2,172	2,368	6,522	1,088	20.02%	30,308	30,553	245	0.81%
Gliders	-	-	-	-	-	-	-	-	-	0.00%	6,574	3,976	(2,598)	(39.52%)
Total Operations	2,020	2,350	1,064	5,434	1,982	2,172	2,368	6,522	1,088	20.02%	36,882	34,529	(2,353)	(6.38%)

COMMENTS														
	2020				2021						Year over Year			
	Jan	Feb	Mar	Q1	Jan	Feb	Mar	Q1	difference	%	4/1/19 - 3/31/20	4/1/20 - 3/31/21	difference	%
Comment Location														
Alder	-	-	-	-	-	2	1	3	3	100.00%	45	72	27	60.00%
Glenshire	1	2	-	3	8	7	19	34	31	1033.33%	78	143	65	83.33%
Martis Valley Estates	7	1	-	8	1	1	5	7	(1)	(12.50%)	73	59	(14)	(19.18%)
Northstar/ Martis	-	1	-	1	3	2	1	6	5	500.00%	12	72	60	500.00%
Olympic Heights	4	10	1	15	40	13	20	73	58	386.67%	284	277	(7)	(2.46%)
Prosser Lakeview	-	-	-	-	-	-	-	-	-	0.00%	61	23	(38)	(62.30%)
Russell Valley	-	-	-	-	4	1	2	7	7	100.00%	6	54	48	800.00%
Sierra Meadows	1	-	1	2	1	2	4	7	5	250.00%	32	50	18	56.25%
Tahoe Basin	-	-	-	-	-	-	-	-	-	0.00%	4	7	3	75.00%
Tahoe Donner	1	-	2	3	7	2	5	14	11	366.67%	121	204	83	68.60%
Unknown/Other	1	3	-	4	1	-	-	1	(3)	(75.00%)	20	10	(10)	(50.00%)
Total Comments	15	17	4	36	65	30	57	152	116	322.22%	736	971	235	31.93%
Comment Type														
Piston	6	8	1	15	1	1	1	3	(12)	(80.00%)	391	366	(25)	(6.39%)
Turbine	3	5	1	9	16	9	18	43	34	377.78%	116	127	11	9.48%
Jet	4	3	2	9	28	14	25	67	58	644.44%	205	418	213	103.90%
Helo	2	1	-	3	20	6	12	38	35	1166.67%	19	56	37	194.74%
Unknown	-	-	-	-	-	-	1	1	1	100.00%	5	4	(1)	(20.00%)
Total Comments	15	17	4	36	65	30	57	152	116	322.22%	736	971	235	31.93%
	-	-	-	-	-	-	-	-	-		-	-	-	-
Operations per Comment				150.9				42.9	(108.0)	(71.57%)	50.1	35.6	(14.6)	(29.04%)



**Truckee Tahoe Airport District
Operations and Community Comment Report
2017-2021**



	OPERATIONS																										
	2017					2018					2019					2020					2021					Total	
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total		
Operations Detail																											
Piston Single	1,614	3,910	6,122	3,332	14,978	2,660	3,727	6,125	3,425	15,937	2,327	3,906	7,000	3,542	16,775	2,646	3,952	6,183	4,221	17,002	3,435	-	-	-	-	3,435	68,127
Piston Twin	224	261	450	210	1,145	242	323	464	147	1,176	269	236	528	236	1,269	236	184	433	299	1,152	240	-	-	-	-	240	4,982
Turbo Prop	1,398	1,496	2,653	1,395	6,942	1,809	1,381	2,496	1,154	6,840	1,497	1,222	2,619	1,008	6,346	1,393	924	1,917	1,184	5,418	1,336	-	-	-	-	1,336	26,882
Jet < 12,499 lbs	144	189	451	176	960	165	181	391	159	896	185	190	477	146	998	190	156	343	140	829	188	-	-	-	-	188	3,871
Jet 12,500-19,999 lbs	290	305	738	266	1,599	349	371	743	288	1,751	278	323	763	294	1,658	378	305	778	422	1,883	555	-	-	-	-	555	7,446
Jet 20,000-49,999 lbs	232	268	564	210	1,274	331	302	691	282	1,606	165	293	809	237	1,504	363	402	803	371	1,939	496	-	-	-	-	496	6,819
Jet > 50,000 lbs	9	63	186	49	307	55	38	149	54	296	30	52	158	30	270	64	56	224	80	424	80	-	-	-	-	80	1,377
Helicopter	236	272	437	284	1,229	181	183	420	229	1,013	180	290	369	146	985	164	159	270	225	818	192	-	-	-	-	192	4,237
Total Powered Aircraft	4,147	6,764	11,601	5,922	28,434	5,792	6,506	11,479	5,738	29,515	4,931	6,512	12,723	5,639	29,805	5,434	6,138	10,951	6,942	29,465	6,522	-	-	-	-	6,522	123,741
Gliders	-	888	4,258	-	5,146	-	1,172	4,160	-	5,332	-	1,206	5,368	-	6,574	-	784	3,192	-	3,976	-	-	-	-	-	-	21,028
Total Operations	4,147	7,652	15,859	5,922	33,580	5,792	7,678	15,639	5,738	34,847	4,931	7,718	18,091	5,639	36,379	5,434	6,922	14,143	6,942	33,441	6,522	-	-	-	-	6,522	144,769
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

	COMMENTS																										
	2017					2018					2019					2020					2021					Total	
	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total		
<u>Comment Location</u>																											
Alder	-	14	61	2	77	2	19	32	-	53	-	7	38	-	45	-	3	58	8	69	3	-	-	-	-	3	247
Glenshire	12	15	32	10	69	9	23	30	9	71	4	14	61	-	79	3	44	56	9	112	34	-	-	-	-	34	365
Martis Valley Estates	15	30	52	6	103	1	13	41	7	62	5	27	37	1	70	8	7	19	26	60	7	-	-	-	-	7	302
Northstar/ Martis	3	2	20	1	26	3	11	19	2	35	2	5	4	2	13	1	14	47	5	67	6	-	-	-	-	6	147
Olympic Heights	12	36	81	15	144	31	77	137	34	279	45	47	185	37	314	15	44	80	80	219	73	-	-	-	-	73	1,029
Prosser Lakeview	3	4	18	6	31	16	23	4	9	52	4	12	49	-	65	-	4	18	1	23	-	-	-	-	-	-	171
Russell Valley	-	1	4	2	7	-	7	3	5	15	1	-	4	2	7	-	10	35	2	47	7	-	-	-	-	7	83
Sierra Meadows	1	15	18	4	38	5	4	17	5	31	9	6	20	4	39	2	9	20	14	45	7	-	-	-	-	7	160
Tahoe Basin	-	3	6	-	9	1	2	2	1	6	-	3	1	-	4	-	2	2	3	7	-	-	-	-	-	-	26
Tahoe Donner	20	28	55	5	108	8	21	46	-	75	1	45	67	6	119	3	91	88	11	193	14	-	-	-	-	14	509
Unknown/Other	-	2	3	-	5	3	1	6	1	11	-	3	9	4	16	4	1	7	1	13	1	-	-	-	-	1	46
Total Comments	66	150	350	51	617	79	201	337	73	690	71	169	475	56	771	36	229	430	160	855	152	-	-	-	-	152	3,085
<u>Comment Type</u>																											
Piston	19	70	119	21	229	29	85	131	48	293	48	88	240	48	424	15	122	164	77	378	3	-	-	-	-	3	1,327
Turbine	20	19	59	13	111	18	44	79	15	156	14	24	80	3	121	9	21	43	20	93	43	-	-	-	-	43	524
Jet	16	50	155	11	232	22	63	109	10	204	7	57	134	5	203	9	83	208	60	360	67	-	-	-	-	67	1,066
Helo	7	4	4	3	18	8	6	9	-	23	1	-	16	-	17	3	3	12	3	21	38	-	-	-	-	38	117
Unknown	4	7	13	3	27	2	3	9	-	14	1	-	5	-	6	-	-	3	-	3	1	-	-	-	-	1	51
Total Comments	66	150	350	51	617	79	201	337	73	690	71	169	475	56	771	36	229	430	160	855	152	-	-	-	-	152	3,085
<u>Operations per Comment</u>	63	51	45	116	54	73	38	46	79	51	69	46	38	101	47	151	30	33	43	39	36	-	-	-	-	220	47



Truckee Tahoe Airport District
Operations and Community Comment Report
Calendar 2021



OPERATIONS

Operations Detail

	2021																Total
	Jan	Feb	Mar	Q1	Apr	May	Jun	Q2	Jul	Aug	Sep	Q3	Oct	Nov	Dec	Q4	
Piston Single	1060	1145	1230	3,435				-				-				-	3,435
Piston Twin	55	83	102	240				-				-				-	240
Turbo Prop	420	428	488	1,336				-				-				-	1,336
Jet < 12,499 lbs	56	63	69	188				-				-				-	188
Jet 12,500-19,999 lbs	161	207	187	555				-				-				-	555
Jet 20,000-49,999 lbs	130	184	182	496				-				-				-	496
Jet > 50,000 lbs	32	14	34	80				-				-				-	80
Helicopter	68	48	76	192				-				-				-	192
Total Powered Aircraft	1,982	2,172	2,368	6,522	-	-	-	-	-	-	-	-	-	-	-	-	6,522
Glider	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operations	1,982	2,172	2,368	6,522	-	-	-	-	-	-	-	-	-	-	-	-	6,522

COMMENTS

Comment Location

	2021																Total
	Jan	Feb	Mar	Q1	Apr	May	Jun	Q2	Jul	Aug	Sep	Q3	Oct	Nov	Dec	Q4	
Alder		2	1	3				-				-				-	3
Glenshire	8	7	19	34				-				-				-	34
Martis Valley Estates	1	1	5	7				-				-				-	7
Northstar/ Martis	3	2	1	6				-				-				-	6
Olympic Heights	40	13	20	73				-				-				-	73
Prosser Lakeview				-				-				-				-	-
Russell Valley	4	1	2	7				-				-				-	7
Sierra Meadows	1	2	4	7				-				-				-	7
Tahoe Basin				-				-				-				-	-
Tahoe Donner	7	2	5	14				-				-				-	14
Unknown/Other	1			1				-				-				-	1
Total Comments	65	30	57	152	-	-	-	-	-	-	-	-	-	-	-	-	152

Comment Type

Piston	1	1	1	3				-				-				-	3
Turboprop	16	9	18	43				-				-				-	43
Jet	28	14	25	67				-				-				-	67
Helo	20	6	12	38				-				-				-	38
Unknown	-	-	1	1				-				-				-	1
Total Comments	65	30	57	152	-	-	-	-	-	-	-	-	-	-	-	-	152
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Operations per Comment

	43			-				-				-				-	43
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