

Table 4. Excess Fuel Consumption Due to Congestion

Urban Area	Excess Fuel Consumed per 2019 Commuter				Annual Excess Fuel Consumed (000)			
	2020		2019		2020		2019	
	Gallons	Rank	Gallons	Rank	Gallons	Rank	Gallons	Rank
Very Large Average (15 areas)	16		33		59,751		121,765	
New York-Newark, NY-NJ-CT	23	1	39	3	196,072	1	335,880	2
Houston, TX	21	2	33	7	68,295	4	105,899	6
Boston, MA-NH-RI	20	3	34	6	50,540	7	86,430	9
San Francisco-Oakland, CA	17	4	40	2	40,915	9	92,997	8
Chicago, IL-IN	16	5	30	12	71,348	3	136,878	3
Dallas-Fort Worth-Arlington, TX	16	5	26	16	52,105	6	83,609	10
Washington, DC-VA-MD	16	5	41	1	38,932	11	98,110	7
Atlanta, GA	15	9	31	10	57,820	5	121,952	4
Philadelphia, PA-NJ-DE-MD	15	9	26	16	40,400	10	69,310	11
Los Angeles-Long Beach-Anaheim, CA	14	17	35	5	132,619	2	345,453	1
Detroit, MI	13	28	23	33	35,113	12	60,243	14
Miami, FL	13	28	37	4	44,167	8	120,912	5
Seattle, WA	13	28	32	8	27,569	13	67,508	12
Phoenix-Mesa, AZ	10	59	25	21	27,334	14	67,049	13
San Diego, CA	9	70	24	27	13,039	28	34,240	21

Very Large Urban Areas—over 3 million population.

Medium Urban Areas—over 500,000 and less than 1 million population.

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Excess Fuel Consumed—Increased fuel consumption due to travel in congested conditions rather than free-flow conditions.

Excess Fuel per Auto Commuter—Extra fuel consumed during the year divided by the number of people who commute in private vehicles in the urban area.

Note: Please do not place too much emphasis on small differences in the rankings. There may be little difference in congestion between areas ranked (for example) 6th and 12th. The actual measure values should also be examined. The best congestion comparisons are made between similar urban areas.

Table 4. Excess Fuel Consumption Due to Congestion, Continued

Urban Area	Excess Fuel Consumed per 2019 Commuter				Annual Excess Fuel Consumed (000)			
	2020		2019		2020		2019	
	Gallons	Rank	Gallons	Rank	Gallons	Rank	Gallons	Rank
Large Average (32 areas)	11		23		12,456		24,641	
Austin, TX	15	9	25	21	18,046	18	30,205	23
Cleveland, OH	15	9	24	27	17,308	20	27,628	28
Oklahoma City, OK	15	9	20	52	11,757	31	16,039	42
Sacramento, CA	15	9	23	33	15,527	24	23,239	32
San Antonio, TX	15	9	24	27	17,686	19	28,260	27
Milwaukee, WI	14	17	23	33	11,419	32	18,582	38
Portland, OR-WA	14	17	31	10	16,151	23	35,070	20
Salt Lake City-West Valley City, UT	14	17	24	27	8,638	42	14,916	45
San Juan, PR	14	17	28	15	14,672	25	29,219	25
St. Louis, MO-IL	14	17	19	62	21,143	16	29,582	24
Nashville-Davidson, TN	13	28	29	14	10,826	37	25,006	30
Providence, RI-MA	13	28	19	62	11,030	35	15,652	43
San Jose, CA	13	28	32	8	16,277	22	41,655	16
Cincinnati, OH-KY-IN	12	39	25	21	12,451	30	25,279	29
Columbus, OH	12	39	21	43	11,007	36	19,677	36
Indianapolis, IN	12	39	24	27	10,625	39	21,655	34
Minneapolis-St. Paul, MN-WI	12	39	22	39	22,154	15	40,837	17
Pittsburgh, PA	12	39	21	43	10,740	38	19,340	37
Richmond, VA	12	39	18	69	6,266	50	9,287	58
Kansas City, MO-KS	11	51	16	81	14,325	26	20,971	35
Memphis, TN-MS-AR	11	51	21	43	7,747	44	15,133	44
Baltimore, MD	10	59	23	33	16,825	21	39,125	19
Charlotte, NC-SC	10	59	21	43	8,206	43	18,348	39
Denver-Aurora, CO	10	59	25	21	18,644	17	44,960	15
Louisville-Jefferson County, KY-IN	9	70	20	52	6,125	51	13,501	49
Orlando, FL	9	70	25	21	10,208	40	28,577	26
Virginia Beach, VA	8	82	15	91	7,171	47	14,318	47
Jacksonville, FL	7	90	18	69	5,730	52	14,458	46
Las Vegas-Henderson, NV	7	90	20	52	8,784	41	24,594	31
Raleigh, NC	7	90	16	81	4,087	68	9,615	56
Riverside-San Bernardino, CA	7	90	19	62	12,899	29	33,296	22
Tampa-St. Petersburg, FL	7	90	21	43	14,128	27	40,492	18

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	Gallons	Rank	Gallons	Rank	Gallons	Rank	Gallons	Rank
Medium Average (33 areas)	11		19		4,779		8,924	
Bridgeport-Stamford, CT-NY	16	5	23	33	11,374	33	16,449	40
Albany-Schenectady, NY	15	9	22	39	4,203	66	6,240	75
Buffalo, NY	14	17	24	27	6,968	49	11,904	52
El Paso, TX-NM	14	17	20	52	7,681	45	10,965	54
Fresno, CA	14	17	19	62	5,619	55	7,821	64
Hartford, CT	13	28	22	39	7,138	48	12,053	51
New Haven, CT	13	28	18	69	4,531	62	6,472	73
New Orleans, LA	13	28	26	16	11,121	34	23,123	33
Rochester, NY	13	28	21	43	4,401	63	7,115	68
Akron, OH	12	39	17	78	4,734	60	6,741	71
Colorado Springs, CO	12	39	20	52	4,718	61	7,792	65
Springfield, MA-CT	12	39	20	52	4,311	64	6,986	70
Worcester, MA-CT	12	39	17	78	3,802	73	5,575	79
Baton Rouge, LA	11	51	26	16	4,892	59	12,196	50
Wichita, KS	11	51	15	91	2,766	82	4,021	87
Charleston-North Charleston, SC	10	59	23	33	4,149	67	9,369	57
Honolulu, HI	10	59	30	12	5,645	54	16,276	41
Knoxville, TN	10	59	19	62	3,972	71	7,705	66
Toledo, OH-MI	10	59	21	43	1,967	89	4,075	85
Tulsa, OK	10	59	15	91	5,491	56	8,317	63
Albuquerque, NM	9	70	20	52	4,273	65	9,099	61
Birmingham, AL	9	70	20	52	5,066	58	11,276	53
Dayton, OH	9	70	14	95	4,047	69	6,379	74
Grand Rapids, MI	9	70	16	81	3,901	72	7,101	69
Allentown, PA-NJ	8	82	16	81	2,886	79	5,728	77
Columbia, SC	8	82	18	69	2,861	80	6,564	72
McAllen, TX	8	82	14	95	5,424	57	9,266	59
Omaha, NE-IA	8	82	18	69	3,988	70	9,137	60
Provo-Orem, UT	8	82	15	91	2,814	81	5,132	81
Tucson, AZ	8	82	19	62	5,725	53	13,696	48
Cape Coral, FL	6	95	17	78	3,086	77	8,916	62
Sarasota-Bradenton, FL	5	98	16	81	2,587	83	7,403	67
Bakersfield, CA	4	99	10	98	1,565	93	3,598	90

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Small Average (21 areas)	9		17		2,229		3,868	
Corpus Christi, TX	14	17	20	52	3,552	74	4,907	83
Stockton, CA	14	17	19	62	2,949	78	4,031	86
Poughkeepsie-Newburgh, NY-NJ	13	28	18	69	2,580	84	3,611	89
Boulder, CO	12	39	25	21	1,086	99	2,285	99
Madison, WI	12	39	18	69	3,413	75	5,182	80
Beaumont, TX	11	51	16	81	1,321	95	1,999	100
Greensboro, NC	11	51	16	81	2,193	87	3,173	92
Little Rock, AR	11	51	16	81	7,653	46	10,582	55
Spokane, WA	11	51	26	16	2,480	85	5,777	76
Brownsville, TX	10	59	16	81	1,762	91	2,764	95
Jackson, MS	10	59	16	81	3,268	76	4,989	82
Anchorage, AK	9	70	21	43	1,158	98	2,747	96
Boise, ID	9	70	22	39	2,305	86	5,659	78
Eugene, OR	9	70	18	69	1,549	94	3,176	91
Laredo, TX	9	70	18	69	1,803	90	3,755	88
Pensacola, FL-AL	9	70	20	52	2,023	88	4,539	84
Salem, OR	8	82	21	43	1,186	97	3,162	93
Oxnard, CA	6	95	11	97	1,255	96	2,413	97
Winston-Salem, NC	6	95	10	98	1,606	92	2,794	94
Indio-Cathedral City, CA	3	100	7	100	1,055	100	2,405	98
Lancaster-Palmdale, CA	3	100	6	101	621	101	1,287	101
101 Area Average	13		27		14,845		29,611	
Remaining Areas Average	5		10		743		1,477	
All 494 Area Average	11		22		3,626		7,229	

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