COVID Data Tracker

Maps, charts, and data provided by CDC, updates Mondays and Fridays by 8 p.m. ET

COVID-19 Home ›

> ! Testing has resumed for commercial contract wastewater sites (about 350 sites) that have had a temporary delay since September 15, 2023. Site-level data will be available two weeks after a site resumes testing.

United States

At a Glance

Trend in % Test Positivity — **-0.4%** in most recent week

Trend in % Emergency Department Visits — **-14.8%** in most recent week

Trend in Hospital Admissions — **-9.8%** in most recent week

Total Hospitalizations 6,917,410

Trend in % COVID-19 Deaths — **-8.3%** in most recent week

Total Deaths 1,188,278

Wastewater Surveillance

COVID-19: Wastewater Surveillance

Communities can track the presence of SARS-CoV-2, the virus that causes COVID-19, in wastewater samples. These data can provide an early warning of COVID-19's spread in communities. For more information, visit the [Wastewater Surveillance System page](#).

Monitoring Wastewater Surveillance Data

Wastewater surveillance for COVID-19 is a rapidly developing field. State, tribal, local, and territorial health departments participating in the National Wastewater Surveillance System (NWSS) submit testing data to CDC. CDC then standardizes and interprets these data and presents them in the COVID Data Tracker and on the [NWSS page](#). How often sites collect wastewater samples and how frequently data are reported to CDC varies by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand COVID-19's spread in a community.

- Learn more about wastewater data by exploring each of the charts and maps on this page.
- To see a map of which SARS-CoV-2 variant is the most dominant at each wastewater sampling site, see [CDC COVID Data Tracker: Summary of Variant Surveillance](#).
- To see state and territory trends in wastewater COVID-19, see [COVID-19 Wastewater Data – State & Territory Trend](#).
- To see a map of COVID-19 current wastewater viral activity levels, see [COVID-19 Wastewater Data – Current Levels](#).

[View information about the data and download the data.](#)

Maps, charts, and data provided by CDC, updates Friday by 8pm ET[†]. This represents all wastewater data submitted directly to CDC's NWSS DCIPHER platform, with the exceptions described in the [About the Data section](#) below. Each dot on the map represents a site. A site can represent all or part of a "[sewershed](#)," which is the area contributing wastewater to a sampling location. Not all communities report wastewater data to CDC. Participation is voluntary, and wastewater samples are collected from sewer systems so communities that rely primarily on septic systems are not represented. In addition, some sites that submit data to NWSS are not represented on the map due to various factors, such as small population size or having facility-specific sampling.

[View Footnotes and Download Data](#)

Wastewater COVID-19 National Trend

This chart shows national trends of SARS-COV-2 viral activity levels in wastewater.

LOW
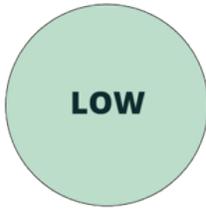
Nationally, the wastewater viral activity level for COVID-19 is currently **low**.

| Very High | High | Moderate | Low | Minimal |
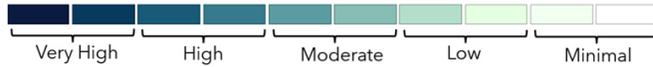
COVID-19 Wastewater Viral Activity Level Over Time, United States

Wastewater Viral Activity Level (y-axis): 0, 5.00, 10.00, 15.00, 20.00

Week Ending (x-axis): 01/01/22, 05/21/22, 10/08/22, 02/25/23, 07/15/23, 12/02/23, 04/06/24

Jan 01, '22   Apr 06, '24
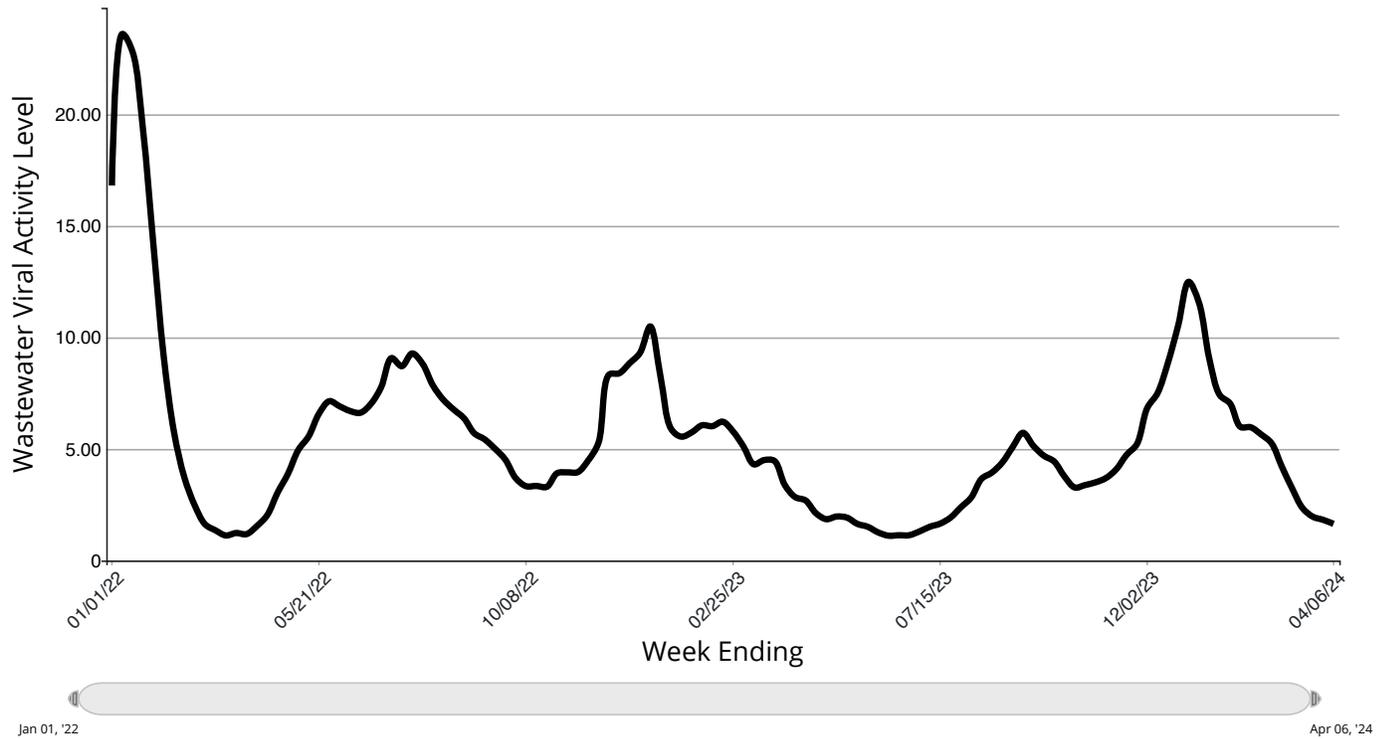
Download Chart

[Learn more about the wastewater viral activity level.](#)

Wastewater Metric Map

State or territory:

Select state or territory ▾

County:

Select state/territory to enable

Reset Selections

Time Period: Mar 25, 2024 – Apr 08, 2024

🏢 Major Cities On   🏢 Major Cities Off

Metric: **Show:**

○ Current virus levels in wastewater by site   ☑ Sites with no recent data
○ Percent change in the last 15 days   ☑ Sites that started sampling after 12/1/21
○ Percent of wastewater samples with detectable virus

Current virus levels in wastewater by site
This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past historical levels at the same site. 0% means levels are the lowest they have been at the site; 100% means levels are the highest they have been at the site. Public health officials watch for increasing levels of the virus in wastewater over time and use these data to help make public health decisions.
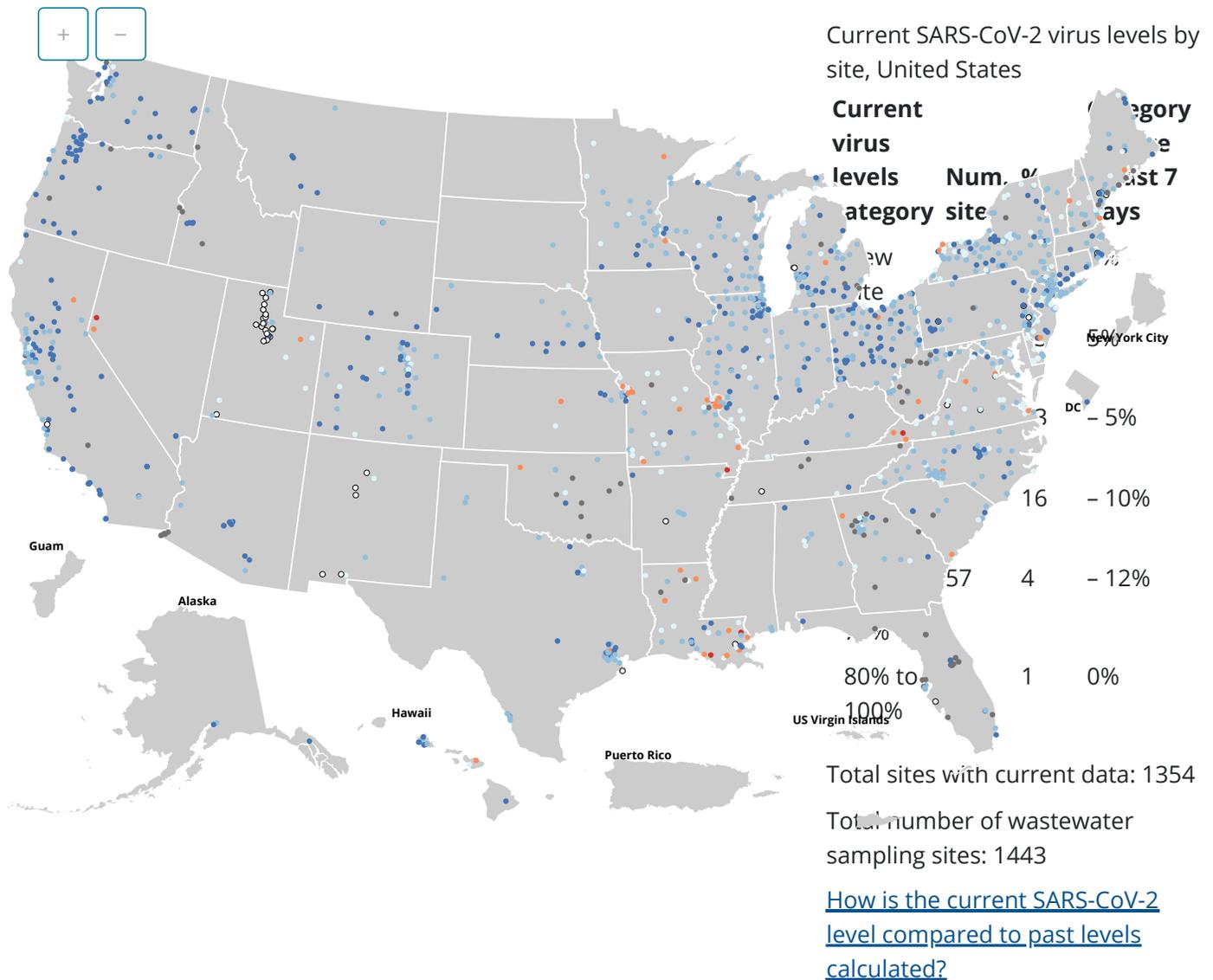
⚠ **Note:** Sites began collecting data at different times. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that started reporting data on or before December 1, 2021. The data history for these new sites is not long enough to reflect the same surges as the other sites.

Current SARS-CoV-2 virus levels by site, United States

Current virus levels category	Num. sites	% Category change past 7 days
New site		
	3	– 5%
	16	– 10%
	57	4 – 12%
80% to 100%	1	0%

Total sites with current data: 1354

Total number of wastewater sampling sites: 1443

[How is the current SARS-CoV-2 level compared to past levels calculated?](#)

Select legend categories to filter points on the map.

◯ New site   ● 0% to 19%   ● 20% to 39%   ● 40% to 59%   ● 60% to 79%   ● 80% to 100%   ● No recent data

Download Map

Data Downloads and Footnotes

Expand each accordion to view data table and download data

View Historic Wastewater Data

Data Table for Wastewater Surveillance Current Virus Levels (in %) —

CDC | Data as of: Monday, April 15, 2024 2:08 PM ET. Posted: Monday, April 15, 2024 3:00 PM ET

Download Data

Jurisdiction ⇕	Sewershed ID ⇕	Reporting Jurisdiction ⇕	County ⇕	Population Served ⇕	Current Virus Levels (in %) ⇕
Michigan	1036	Michigan	Allegan	5,500	6
Michigan	1089	Michigan	Chippewa	6,546	20.33
Michigan	1093	Michigan	Mackinac	3,460	40.33
Michigan	1096	Michigan	Muskegon	5,000	N/A
Michigan	1096	Michigan	Muskegon	28,000	44.5
Michigan	1105	Michigan	Menominee	3,842	26
Michigan	1125	Michigan	Marquette	3,500	0
Michigan	1214	Michigan	Kent	40,000	10
Michigan	1239	Michigan	Isabella	7,615	N/A
Michigan	1597	Michigan	Mecosta	21,000	33.5
Michigan	1627	Michigan	Gogebic	6,500	39.67
Michigan	1729	Michigan	Wayne	3,500	N/A
Michigan	1729	Michigan	Wayne	23,500	N/A
Michigan	1952	Michigan	Baraga	8,320	39
Michigan	2046	Michigan	Eaton	32,000	28.4
Michigan	888	Michigan	Calhoun	70,000	0
Michigan	889	Michigan	Ottawa	11,057	34.4
Michigan	891	Michigan	Kalamazoo	9,709	1
Michigan	891	Michigan	Kalamazoo	3,416	34.2
Michigan	891	Michigan	Kalamazoo	11,246	21.6
Michigan	891	Michigan	Kalamazoo	31,189	0
Michigan	891	Michigan	Kalamazoo	194,170	24.8
Michigan	897	Michigan	Oakland, Macomb	1,482,000	36.6
Minnesota	1108	Minnesota	Scott, Hennepin, Dakota	254,932	12.8
Minnesota	2236	Minnesota	Dakota	153,791	18.6
Minnesota	2244	Minnesota	Morrison	9,119	39.5
Minnesota	2250	Minnesota	Chisago	11,442	42.25
Minnesota	2251	Minnesota	Rice, Dakota	22,126	25.4
Maine	2002	Maine	York	15,000	20.2
Maine	2001	Maine	Cumberland	24,000	new site

Maine	1989	Maine	Cumberland	15,000	30.8
Massachusetts	2471	Massachusetts	Suffolk	14,962	N/A
Massachusetts	2471	Massachusetts	Suffolk	4,243	20
Louisiana	2203	Louisiana	Saint Tammany	10,000	61.8
Louisiana	2100	Louisiana	Acadia	14,557	26.2
Louisiana	1967	Louisiana	Jefferson	163,451	73.6
Louisiana	1961	Louisiana	Calcasieu	36,720	25.5
Louisiana	1857	Louisiana	Terrebonne	50,000	77
Louisiana	1823	Louisiana	Jefferson	333,342	new site
Kentucky	2653	Kentucky	Pulaski	7,500	30.8
Kansas	2467	Kansas	Johnson	150,442	50.2
Indiana	765	Indiana	Monroe	28,350	27.8
Indiana	2388	Indiana	Howard	45,000	26.4
Indiana	2387	Indiana	Allen	315,000	9.4
Indiana	2372	Indiana	Kosciusko	21,600	15.8
Indiana	2340	Indiana	Lake	28,000	50.8
Indiana	2336	Indiana	Delaware	67,000	27.8
Indiana	1456	Indiana	Clark	21,000	30.8
Illinois	984	Illinois	Du Page	18,800	40.6
Illinois	983	Illinois	Mchenry	15,947	11
Illinois	675	Chicago	Cook	467,536	42
Illinois	675	Chicago	Cook	77,799	18.8
Illinois	674	Chicago	Cook	54,362	12.2
Illinois	652	Illinois	Shelby	5,329	48.8
Illinois	650	Illinois	Adams	50,695	40.4
Illinois	649	Illinois	Bureau	7,555	20
Illinois	639	Illinois	Cook	1,127,736	18.29
Illinois	637	Illinois	Cook	13,098	36.63
Illinois	635	Chicago	Cook	23,475	20.4
Illinois	618	Illinois	Mchenry	4,288	7.6
Illinois	604	Illinois	Cass	5,446	28.8
Illinois	2379	Illinois	Mclean	44,238	22.4
Illinois	1944	Illinois	Sangamon	50,000	16.8
Illinois	1849	Illinois	Mchenry	10,240	19.5
Illinois	1848	Illinois	Du Page	83,772	7.5
Illinois	1609	Illinois	Du Page	45,000	14
Illinois	1586	Illinois	Mchenry	15,360	31
Illinois	1326	Illinois	Saint Clair	85,593	36.6
Illinois	1316	Illinois	Will	50,458	18.4
Illinois	1247	Illinois	Lake	80,000	16.6
Illinois	1100	Illinois	Du Page	40,438	10.5
Idaho	1915	Idaho	Nez Perce	35,000	N/A
Georgia	2709	Georgia	Douglas	180,000	N/A

Georgia	2699	Georgia	Gwinnett	650,000	6.4
Georgia	2696	Georgia	Dougherty	50,000	N/A
Florida	671	Florida	Orange	463,672	N/A
Florida	670	Florida	Orange	59,587	N/A
Florida	511	Florida	Pinellas	103,000	N/A
Florida	1551	Florida	Palm Beach	300,000	N/A
Florida	1502	Florida	Alachua	100,000	N/A
Delaware	1184	Delaware	Kent	130,000	44.8
Connecticut	771	Connecticut	Fairfield	140,000	13.6
Colorado	657	Colorado	Summit	28,571	27.2
Colorado	576	Colorado	Routt	43,741	15.75
Colorado	556	Colorado	Morgan	12,000	21.5
Colorado	47	Colorado	Pitkin	5,500	12.5
Colorado	396	Colorado	San Miguel	15,000	22
Colorado	329	Colorado	Pueblo	96,515	35
Colorado	252	Colorado	Denver	709,904	11
Colorado	227	Colorado	Larimer	66,429	53
Colorado	226	Colorado	Boulder	17,601	9
Colorado	2103	Colorado	Montezuma	11,214	6.4
Colorado	1818	Colorado	Boulder	31,429	9.4
Colorado	1748	Colorado	Delta	6,857	51.2
Colorado	1451	Colorado	Chaffee	19,286	21.25
Colorado	142	Colorado	Larimer	5,818	21
California	363	California	San Francisco, San Mateo	750,000	12.29
California	363	California	San Francisco, San Mateo	66,446	17.67
California	363	California	San Francisco	9,923	10.5
California	299	California	Orange	1,800,000	11.71
California	2397	California	Shasta	60,000	9.29
California	2370	California	San Luis Obispo	47,545	16.17
California	2361	California	Humboldt	45,000	48.86
California	2063	California	San Joaquin	67,021	4.33
California	2059	California	San Joaquin	83,498	15
California	1188	California	Ventura	250,000	11
Arizona	715	Arizona	Pima	397,407	6.4
Arizona	501	Arizona	La Paz	3,500	26.6
Virginia	2695	Virginia	Alleghany	15,000	new site
Virginia	2483	Virginia	Petersburg City	33,458	36.8
Texas	2682	Texas	Andrews	13,487	33.2
Texas	1141	Texas	Travis	529,541	23
South Dakota	2630	South Dakota	Beadle	14,000	25.2
South Carolina	2677	South Carolina	Greenwood	48,000	17
Nevada	2592	Nevada	Clark	2,000,000	14.8
New Mexico	2717	New Mexico	Los Alamos	15,000	new site

New Mexico	2683	New Mexico	Bernalillo	650,000	new site
New Mexico	2492	New Mexico	Santa Fe	87,000	41
North Carolina	2641	North Carolina	Jackson, Swain	10,000	44
North Carolina	2565	North Carolina	Watauga	26,000	20.8
Maine	2511	Maine	York	16,000	22.25
Maryland	2518	Maryland	Washington	90,000	15.4
Massachusetts	2539	Massachusetts	Middlesex	228,285	19.4
Kansas	833	Kansas	Shawnee	40,000	13.8
Hawaii	2679	Hawaii	Maui	58,900	61.8
Hawaii	2674	Hawaii	Honolulu	19,000	36
Hawaii	1205	Hawaii	Maui	46,800	45.6
Florida	2587	Florida	Seminole, Orange	95,000	21
Florida	2503	Florida	Escambia	207,000	8.4
California	834	California	Riverside	91,980	18.2
California	2684	California	Santa Cruz	94,000	32
California	2669	California	San Luis Obispo	14,465	27.6
California	2537	California	Santa Cruz, Monterey	60,000	28.5
California	2490	California	Ventura, Los Angeles	75,000	17.2
California	1593	California	San Luis Obispo	6,031	37.8
Arkansas	446	Arkansas	Pulaski	32,043	24.8
Arkansas	2507	Arkansas	Benton	19,000	13.5
Alaska	2633	Alaska	Anchorage	23,000	31
Minnesota	2254	Minnesota	Stearns, Sherburne, Benton	71,945	19.4
Minnesota	2255	Minnesota	Washington	27,857	21.8
Missouri	114	Missouri	Henry	9,118	33.67
Missouri	133	Missouri	Saint Charles	47,758	57.33
Missouri	156	Missouri	Madison	4,000	44.33
Missouri	199	Missouri	Platte, Clay	12,855	59
Missouri	240	Missouri	Webster	8,000	49.5
Missouri	259	Missouri	Barry, Lawrence	9,100	53.33
Missouri	264	Missouri	Saint Louis, Saint Louis City	306,647	31.67
Missouri	267	Missouri	Saint Louis	115,895	64.5
Missouri	269	Missouri	Jefferson, Saint Louis	66,738	55.5
Missouri	279	Missouri	Newton	12,000	51
Missouri	306	Missouri	Franklin, Saint Louis	7,001	N/A
Missouri	381	Missouri	Greene, Christian	151,966	39.5
Missouri	423	Missouri	Johnson	11,883	N/A
Missouri	64	Missouri	Saint Francois	7,165	25.33
Missouri	81	Missouri	Cape Girardeau, Scott	33,540	54
Missouri	82	Missouri	Carroll	3,784	N/A
Montana	1310	Montana	Gallatin	50,000	13.33
Montana	976	Montana	Lewis And Clark	2,273	6.67
North Carolina	167	North Carolina	Pitt	89,616	20

North Carolina	2014	North Carolina	Gaston	28,940	45.5
North Carolina	2016	North Carolina	Catawba	24,841	43.4
North Carolina	2018	North Carolina	Gaston	68,700	41.4
North Carolina	332	North Carolina	Wake	550,000	24.8
North Carolina	335	North Carolina	Wake	7,776	48
North Carolina	451	North Carolina	New Hanover	67,743	39
Nebraska	916	Nebraska	Platte	23,000	22.4
Nebraska	917	Nebraska	Dodge	28,000	22.2
Nebraska	919	Nebraska	Adams	24,692	17.6
Nebraska	921	Nebraska	Douglas	200,000	16.2
Nebraska	923	Nebraska	Douglas, Sarpy	600,000	6
Nebraska	924	Nebraska	Scotts Bluff	15,932	8.5
New Hampshire	2084	New Hampshire	Coos	10,000	21
New Hampshire	2086	New Hampshire	Strafford	14,638	36.5
New Hampshire	2091	New Hampshire	Hillsborough	26,632	N/A
New Jersey	2378	New Jersey	Sussex	7,751	12.2
New Jersey	788	New Jersey	Hudson, Essex, Passaic, Bergen	1,500,000	N/A
Nevada	554	Nevada	Washoe	300,000	82.13
New York	1000	New York	Erie	17,983	20.67
New York	1006	New York	Chautauqua	32,501	42.33
New York	1011	New York	Cattaraugus	17,760	0
New York	1012	New York	Erie	83,961	23.2
New York	1097	New York	Dutchess	38,207	63.8
New York	1151	New York	Oneida	27,849	48.75
New York	1400	New York	Broome	52,501	39.75
New York	1401	New York	Rockland	36,527	27.25
New York	1483	New York	Westchester	26,651	43.2
New York	1489	New York	Westchester	523,765	26.8
New York	1936	New York	Clinton	5,532	36.67
New York	1938	New York	Suffolk	6,280	33.33
New York	1939	New York	Suffolk	28,183	32.33
New York	2004	New York	Oswego	12,117	52.33
New York	2172	New York	Albany	109,426	10
New York	2173	New York	Albany	80,922	0
New York	2174	New York	Onondaga	16,168	14.5
New York	2175	New York	Tompkins	9,770	10
New York	2191	New York	Orange	42,921	17.8
New York	2192	New York	Oswego	8,849	52.8
New York	2193	New York	Dutchess	21,516	44.67
New York	2198	New York	Madison	3,317	28.33
New York	2285	New York	Chautauqua	9,379	40.33

New York	512	New York	Cayuga	31,814	30.6
New York	516	New York	Madison	4,908	26.33
New York	517	New York	Livingston	4,730	29.33
New York	518	New York	Steuben	5,162	21
New York	520	New York	Onondaga	39,352	17
New York	527	New York	Madison	9,207	39
New York	52	New York	Steuben	5,941	14
New York	692	New York	Saint Lawrence	10,794	25.6
New York	717	New York	Montgomery	19,679	0
New York	738	New York	Putnam	4,480	36.5
Ohio	101	Ohio	Preble	8,400	14.33
Ohio	108	Ohio	Erie	55,000	18.2
Ohio	121	Ohio	Ashtabula	12,000	8.5
Ohio	124	Ohio	Coshocton	12,000	20.6
Ohio	131	Ohio	Tuscarawas	13,572	14.4
Ohio	141	Ohio	Belmont	13,169	31.2
Ohio	147	Ohio	Hancock	42,000	11.8
Ohio	168	Ohio	Darke	13,000	18.8
Ohio	187	Ohio	Franklin	645,940	12.4
Ohio	219	Ohio	Allen	61,000	10
Ohio	221	Ohio	Hamilton	143,000	11.2
Ohio	222	Ohio	Medina	35,000	9.2
Ohio	225	Ohio	Lorain	72,000	17.6
Ohio	241	Ohio	Union	24,677	11.6
Ohio	255	Ohio	Hamilton	488,000	25.4
Ohio	276	Ohio	Cuyahoga	313,158	26
Ohio	278	Ohio	Cuyahoga	103,379	22
Ohio	282	Ohio	Licking	45,000	8.8
Ohio	311	Ohio	Wood	21,000	18.8
Ohio	428	Ohio	Fayette	14,000	18.8
Ohio	43	Ohio	Fulton	6,000	25
Ohio	455	Ohio	Mahoning	65,469	17.8
Ohio	456	Ohio	Muskingum	47,500	12.6
Ohio	48	Ohio	Athens	24,536	16.8
Ohio	67	Ohio	Wood	32,000	22.4
Ohio	73	Ohio	Williams	8,655	13.4
Ohio	975	Ohio	Greene	4,100	24.8
Ohio	98	Ohio	Pickaway	13,965	12.8
Oklahoma	2577	Oklahoma	Cleveland	122,837	18.5
Oklahoma	2580	Oklahoma	Seminole	7,488	N/A
Oklahoma	2585	Oklahoma	Woodward	11,998	67
Oregon	929	Oregon	Linn	57,785	1
Oregon	930	Oregon	Clatsop	11,326	40

State	ID	State	County	Value	Number
Oregon	944	Oregon	Washington	9,000	8.33
Oregon	957	Oregon	Coos	9,975	4.33
Oregon	958	Oregon	Malheur	16,000	N/A
Oregon	966	Oregon	Columbia	13,739	0.5
Pennsylvania	1357	Pennsylvania	Montgomery	30,000	54.8
Pennsylvania	1368	Pennsylvania	Armstrong, Westmoreland	34,200	new site
Pennsylvania	1529	Pennsylvania	Indiana	28,809	26.6
Pennsylvania	1776	Pennsylvania	Trumbull, Mercer	19,000	16.2
Pennsylvania	1787	Pennsylvania	Chester	10,500	30.8
Pennsylvania	2363	Pennsylvania	Montgomery	16,000	30.6
Rhode Island	1134	Rhode Island	Kent	60,224	31
Rhode Island	1224	Rhode Island	Kent	33,000	12
Rhode Island	464	Rhode Island	Providence	240,000	6
Rhode Island	76	Rhode Island	Providence	10,000	22.2
Tennessee	1282	Tennessee	Davidson	600,000	N/A
Texas	375	Houston	Harris	293,227	38.67
Texas	409	Houston	Harris	97,918	33.33
Utah	11	Utah	Salt Lake	89,507	new site
Utah	31	Utah	Utah	35,840	new site
Utah	32	Utah	Tooele	36,244	new site
Utah	7	Utah	Salt Lake	515,494	new site
Virginia	1237	Virginia	Tazewell	4,600	44.33
Virginia	180	Virginia	Chesapeake City, Virginia Beach City, Norfolk City, Portsmouth City	192,347	56
Virginia	1827	Virginia	Prince William, Fairfax	165,901	56.33
Virginia	1828	Virginia	Stafford	44,000	new site
Virginia	1838	Virginia	Manassas City, Fairfax City, Fauquier, Fairfax, Prince William, Loudoun, Manassas Park City	350,000	31
Virginia	2037	Virginia	Mathews, York, Gloucester, Poquoson City, Newport News City, Hampton City	99,112	44
Virginia	2485	Virginia	Prince Edward, Cumberland	12,390	new site
Virginia	42	Virginia	Prince William, Stafford	92,000	30
Virginia	454	Virginia	Washington	7,300	76.33
Washington	1399	Washington	Jefferson	10,000	4.2
Washington	1620	Washington	Walla Walla	33,000	N/A
Washington	2420	Washington	King, Snohomish	789,000	N/A
Washington	753	Washington	Franklin	73,000	11.4
Wisconsin	136	Wisconsin	Chippewa, Eau Claire	77,714	28.2
Wisconsin	182	Wisconsin	Saint Croix	19,680	13.8
Wisconsin	231	Wisconsin	Dane	391,815	12.54
Wisconsin	236	Wisconsin	Marinette	11,000	20
Wisconsin	239	Wisconsin	Marathon, Wood	19,300	23.2
Wisconsin	2531	Wisconsin	Dane	89,139	16.6

State					
Wisconsin	257	Wisconsin	Washington, Racine, Milwaukee, Waukesha, Ozaukee	615,934	23.2
Wisconsin	313	Wisconsin	Marinette	3,500	23.8
Wisconsin	344	Wisconsin	Saint Croix, Pierce	15,900	18.33
Wisconsin	420	Wisconsin	Vernon	4,400	9
Wisconsin	44	Wisconsin	Ashland	8,200	16.67
Wisconsin	60	Wisconsin	Jackson	5,000	49.8
Wisconsin	696	Wisconsin	Jefferson, Dodge	23,660	31.8
West Virginia	2067	West Virginia	Taylor	6,071	27.33
West Virginia	2546	West Virginia	Harrison	26,498	24.67
West Virginia	2549	West Virginia	Randolph	2,101	21
West Virginia	2552	West Virginia	Marion	1,091	30.67
West Virginia	2557	West Virginia	Pleasants	2,892	N/A
West Virginia	2563	West Virginia	Fayette	2,626	64
West Virginia	91	West Virginia	Kanawha	49,500	23.38
Alabama	1893	Alabama	Jefferson	77,000	28.83
California	1371	California	Merced	42,000	19.43
California	1665	California	San Mateo	40,000	N/A
California	1668	California	Contra Costa	484,800	15.14
California	1669	California	Marin	104,250	51.4
California	1685	California	Alameda	740,000	27.14
California	1694	California	Los Angeles	200,000	8.71
California	1711	California	Marin	18,000	44.86
California	1712	California	San Mateo	28,000	33.71
California	1713	California	Napa	83,300	11.43
California	1874	California	Alameda	68,150	8.6
California	1876	California	Marin	25,000	56.6
California	1888	California	Sonoma	230,000	43.86
California	1904	California	San Bernardino	890,000	9
California	1913	California	Yolo	59,000	33.75
California	1946	California	Santa Clara	153,000	36.27
California	2406	California	Santa Cruz	60,000	30.83
California	2600	California	Madera	67,944	7.67
California	352	California	Santa Clara	110,338	30.6
California	362	California	San Francisco, San Mateo	250,000	24.91
Colorado	1902	Colorado	Douglas	25,000	11.43
District of Columbia	2597	District of Columbia	Fairfax, District Of Columbia, Loudoun, Prince Georges	2,000,000	12.17
Florida	1686	Florida	Orange	195,299	19.4
Florida	1715	Florida	Orange	183,009	5.8
Florida	1875	Florida	Seminole	95,000	8
Florida	2327	Florida	Leon	212,065	27.86
Florida	2358	Florida	Pinellas	89,847	28.86

Georgia	1666	Georgia	Fulton	73,821	29.14
Georgia	1740	Georgia	Fulton	294,660	49.29
Georgia	1741	Georgia	Fulton	105,160	33.71
Georgia	1742	Georgia	Fulton	70,887	28.86
Iowa	1839	Iowa	Clinton	29,300	27.57
Iowa	1867	Iowa	Johnson	23,000	24.67
Illinois	1689	Illinois	Du Page	86,000	41.57
Indiana	1739	Indiana	Clark	25,000	22.86
Indiana	1889	Indiana	St Joseph	130,000	31.29
Indiana	772	Indiana	Monroe	56,090	37.89
Indiana	828	Indiana	Hamilton	86,000	37
Kansas	1710	Kansas	Saline	47,000	61
Kansas	1811	Kansas	Wyandotte	35,000	16.57
Kansas	1900	Kansas	Wyandotte	90,000	28.14
Massachusetts	1780	Massachusetts	Worcester, Norfolk, Suffolk, Plymouth, Middlesex	2,400,000	36.43
Maine	1989	Maine	Cumberland	10,000	30.86
Maine	1992	Maine	Cumberland	65,000	31.67
Maine	2002	Maine	York	10,000	48.5
Maine	2598	Maine	Penobscot	40,000	67.86
Mississippi	2479	Mississippi	Jackson	19,008	22
New Hampshire	1706	New Hampshire	Merrimack	4,000	28.29
New Hampshire	497	New Hampshire	Merrimack	45,000	28
New Jersey	2107	New Jersey	Cumberland	50,000	61.4
Nevada	2607	Nevada	Clark	990,000	16
Tennessee	2612	Tennessee	Shelby	300,000	45.71
Texas	1761	Texas	Potter, Randall	60,000	34.43
Texas	1762	Texas	Potter, Randall	140,000	34.43
Texas	1881	Texas	Cooke	17,300	18.86
Texas	1947	Texas	Montgomery	65,000	30.14
Texas	2326	Texas	Dallas	630,000	10.57
Texas	2615	Texas	Dallas	421,700	32.29
Texas	865	Texas	Webb	120,000	29.4
Texas	867	Texas	Webb	140,000	19.2
Virginia	2008	Virginia	Stafford	100,000	61.29
Vermont	2599	Vermont	Chittenden	30,000	30.67
Vermont	2613	Vermont	Washington	10,100	27.71
Arkansas	1546	Arkansas	Pulaski	18,463	24
Arkansas	2588	Arkansas	Boone	14,000	42.8
California	2487	California	Monterey	16,000	27.6
California	2526	California	Ventura	250,000	10.8
California	2590	California	Alameda	60,000	21.2

California	2594	California	San Luis Obispo	39,000	21.2
California	2623	California	Santa Cruz	12,000	26.8
Connecticut	2486	Connecticut	Fairfield	45,878	26.6
Florida	1686	Florida	Orange	277,823	20.5
Florida	1702	Florida	Orange	59,587	10.75
Florida	2637	Florida	Palm Beach, Martin	100,000	15
Florida	2692	Florida	Sarasota	100,000	new site
Hawaii	2610	Hawaii	Honolulu	101,000	21.4
Hawaii	2675	Hawaii	Honolulu	47,000	18.6
Iowa	2488	Iowa	Union, Dakota, Woodbury	110,000	20.6
Iowa	544	Iowa	Johnson	75,000	13.6
Louisiana	1650	Louisiana	Lafayette	13,000	15.6
Louisiana	2659	Louisiana	Lafayette	20,000	17.8
Massachusetts	2522	Massachusetts	Hampden	55,000	13.2
Maryland	1262	Maryland	Anne Arundel	11,802	35.5
Maryland	1268	Maryland	Anne Arundel	150,078	37.5
Maryland	1285	Maryland	Anne Arundel	13,296	45
Maine	2500	Maine	Aroostook	5,000	19
Maine	2595	Maine	Oxford	1,500	24.4
Maine	2681	Maine	Cumberland	6,000	new site
Maine	347	Maine	Knox	7,000	28.6
North Carolina	1223	North Carolina	Rowan	21,000	43.4
North Carolina	2589	North Carolina	Lenoir	20,484	9.8
Pennsylvania	1083	Pennsylvania	Montgomery	13,000	21.2
Pennsylvania	2494	Pennsylvania	Butler	45,000	10.8
South Carolina	2676	South Carolina	Greenwood	12,000	14
Texas	2663	Texas	Webb	120,000	20
Virginia	2491	Virginia	Frederick, Winchester City	60,000	8.2
Vermont	2657	Vermont	Windsor	6,000	40
Arizona	1059	Arizona	Yuma	18,039	N/A
Arizona	1061	Arizona	Yuma	25,369	N/A
Arizona	1212	Arizona	Maricopa	53,578	78.5
Arizona	1212	Arizona	Maricopa	17,280	38.5
Arizona	1212	Arizona	Maricopa	9,430	13.83
Arizona	1212	Arizona	Maricopa	9,848	17.83
Arizona	2524	Arizona	Maricopa	19,260	9.4
California	1019	California	Lake	13,200	12.29
California	158	California	Fresno	650,000	12.83
California	2296	California	Contra Costa	218,281	7.71
California	2421	California	Placer	108,444	12.2
California	357	California	San Diego	2,200,000	4.29
California	59	California	Kern	168,750	N/A
Colorado	1135	Colorado	Teller	6,379	32.8

Colorado	1154	Colorado	Pitkin	17,571	14.6
Colorado	1517	Colorado	El Paso	10,000	30.75
Colorado	152	Colorado	Larimer	26,621	23.5
Colorado	1591	Colorado	Otero	29,643	24.2
Colorado	163	Colorado	Weld	83,319	37.25
Colorado	251	Colorado	Jefferson	345,454	20
Colorado	368	Colorado	Adams	54,561	52.67
Colorado	372	Colorado	Arapahoe	247,443	21.4
Colorado	408	Colorado	Summit	35,643	31.4
Colorado	578	Colorado	Las Animas	14,286	36.25
Colorado	58	Colorado	Weld, Larimer	7,946	22.75
Colorado	72	Colorado	Broomfield	53,356	27.4
Colorado	748	Colorado	El Paso	34,286	39
Connecticut	1079	Connecticut	New Haven	233,000	7.4
Connecticut	806	Connecticut	Fairfield	85,000	10
Florida	1392	Florida	Hillsborough	180,000	N/A
Florida	1501	Florida	Alachua	100,000	N/A
Florida	2327	Florida	Leon	212,065	N/A
Georgia	2703	Georgia	Cobb	190,000	12.25
Georgia	2705	Georgia	Paulding	8,000	N/A
Georgia	2706	Georgia	Floyd	75,000	76.4
Georgia	2710	Georgia	Cobb	190,000	25
Idaho	1802	Idaho	Elmore	16,000	N/A
Illinois	1062	Illinois	Kendall	8,400	25
Illinois	1243	Illinois	Du Page	76,324	24
Illinois	1527	Illinois	Kendall	13,477	15
Illinois	1610	Illinois	Washington	3,425	43
Illinois	1817	Illinois	Iroquois	4,700	42
Illinois	1847	Illinois	Du Page	65,000	16.8
Illinois	2126	Illinois	Perry	6,448	48
Illinois	2306	Illinois	Champaign	52,000	13.67
Illinois	2380	Illinois	Mclean	44,237	16
Illinois	605	Illinois	Saint Clair	26,150	34
Illinois	606	Illinois	Saint Clair	26,150	16.8
Illinois	615	Illinois	Randolph	6,814	58.2
Illinois	619	Illinois	Vermilion	30,479	22
Illinois	625	Illinois	Jo Daviess	3,460	34.8
Illinois	631	Illinois	Mcdonough	15,052	28.2
Illinois	638	Illinois	Cook	1,127,737	17.14
Illinois	645	Illinois	Lake	126,629	28.2
Illinois	647	Illinois	Peoria	131,000	20
Illinois	655	Illinois	Champaign	91,041	50
Illinois	674	Chicago	Cook	721,207	9.6

Illinois	675	Chicago	Cook	29,370	12.8
Illinois	675	Chicago	Cook	83,455	14.8
Illinois	675	Chicago	Cook	24,099	30.6
Illinois	697	Illinois	Rock Island	25,202	23.2
Illinois	698	Illinois	Rock Island	43,768	21
Illinois	894	Illinois	Lee	15,115	35.2
Indiana	1459	Indiana	Jasper	5,800	36.8
Indiana	2481	Indiana	Lawrence	12,000	18.6
Kansas	2075	Kansas	Reno	39,712	58.8
Kansas	2461	Kansas	Johnson	66,377	10.8
Kansas	406	Kansas	Johnson	54,985	4.8
Kentucky	2652	Kentucky	Warren	67,233	14.6
Louisiana	1567	Louisiana	Livingston	12,342	36.4
Louisiana	1794	Louisiana	Plaquemines	7,500	40.4
Louisiana	1929	Louisiana	Ouachita	30,000	N/A
Louisiana	1962	Louisiana	Beauregard	11,000	43.8
Louisiana	1978	Louisiana	Red River	19,000	71.5
Louisiana	1979	Louisiana	Iberia	36,123	38.4
Louisiana	1980	Louisiana	Allen	8,137	52.4
Louisiana	1981	Louisiana	Richland	3,695	63.25
Louisiana	2012	Louisiana	Tangipahoa	6,000	69.8
Louisiana	2039	Louisiana	West Baton Rouge	6,416	46
Louisiana	2204	Louisiana	Saint Tammany	10,000	85.6
Massachusetts	2471	Massachusetts	Suffolk	5,424	30.2
Maine	1987	Maine	Waldo	4,000	66.4
Maine	1992	Maine	Cumberland	65,000	new site
Maine	1993	Maine	Penobscot	2,500	21.6
Maine	1996	Maine	Aroostook	5,000	25.8
Maine	347	Maine	Knox	7,000	N/A
Maine	475	Maine	Piscataquis	900	N/A
Michigan	1018	Michigan	Bay	20,000	30.75
Michigan	1020	Michigan	Dickinson	3,200	16.33
Michigan	1040	Michigan	Ottawa	3,535	41
Michigan	1040	Michigan	Ottawa	11,200	6.2
Michigan	1048	Michigan	Calhoun	6,964	1
Michigan	1086	Michigan	Ottawa	20,000	10
Michigan	1102	Michigan	Dickinson	13,500	18.67
Michigan	1125	Michigan	Marquette	3,500	62
Michigan	1136	Michigan	Clare	3,042	N/A
Michigan	1155	Michigan	Tuscola	3,000	30.33
Michigan	1168	Michigan	Kent	68,000	28.25
Michigan	1598	Michigan	Wexford	10,450	21

Michigan	1600	Michigan	Mason	8,100	8
Michigan	1729	Michigan	Wayne	51,939	N/A
Michigan	2047	Michigan	Allegan	11,000	57.2
Michigan	801	Michigan	Grand Traverse	29,400	37
Michigan	874	Michigan	Emmet	7,900	22
Michigan	891	Michigan	Kalamazoo	12,366	25.6
Michigan	896	Michigan	Wayne, Macomb	492,000	40.2
Michigan	898	Michigan	Oakland, Wayne	840,600	45.8
Minnesota	1048	Minnesota	Lyon	13,867	54.8
Minnesota	2230	Minnesota	Hennepin, Carver, Scott	296,546	14.4
Minnesota	2232	Minnesota	Saint Louis	4,904	67.5
Minnesota	2235	Minnesota	Sherburne	26,226	38.4
Minnesota	2243	Minnesota	Le Sueur	3,863	14.4
Minnesota	2252	Minnesota	Olmsted	122,657	33.8
Minnesota	249	Minnesota	Hennepin, Washington, Dakota, Anoka, Ramsey	1,913,563	23
Missouri	192	Missouri	Jasper	34,403	31
Missouri	195	Missouri	Cass, Jackson, Johnson	490,000	51.67
Missouri	200	Missouri	Johnson, Jackson, Wyandotte	61,250	44.67
Missouri	218	Missouri	Clay	35,300	47
Missouri	266	Missouri	Jefferson, Saint Louis	24,174	68
Missouri	280	Missouri	Vernon	8,082	27.67
Missouri	284	Missouri	Christian	20,000	35.67
Missouri	312	Missouri	Perry	9,000	45
Missouri	317	Missouri	Platte	8,000	65.67
Missouri	407	Missouri	Franklin	7,936	34
Missouri	441	Missouri	Howell	12,000	31
Missouri	827	Missouri	Dent	4,512	22.67
North Carolina	1611	North Carolina	Forsyth, Randolph, Davidson, Guilford	116,390	16.6
North Carolina	2017	North Carolina	Lincoln	15,042	29.2
North Carolina	2021	North Carolina	Union	70,608	45.4
North Carolina	2033	North Carolina	Henderson	43,633	39.6
North Carolina	2101	North Carolina	Lincoln	11,000	37
North Carolina	216	North Carolina	Scotland	15,527	24
North Carolina	345	North Carolina	Northampton, Halifax	14,320	21.2
North Carolina	405	North Carolina	Jackson	13,296	35
North Carolina	53	North Carolina	Carteret	3,500	54.8
North Carolina	84	North Carolina	Wake	84,189	11.4
North Carolina	93	North Carolina	Mecklenburg	182,501	21.75
Nebraska	1799	Nebraska	Nemaha	3,800	33.2
Nebraska	915	Nebraska	Dawes	5,561	29.2
Nebraska	918	Nebraska	Hall	52,000	10.6
Nebraska	920	Nebraska	Buffalo	33,790	15.6
New	2085	New	Strafford	32,000	30.33

Hampshire		Hampshire			
New Hampshire	2093	New Hampshire	Sullivan	6,500	25.67
New Hampshire	2095	New Hampshire	Rockingham	22,000	24.67
New Jersey	1322	New Jersey	Union, Essex	1,300,000	22.2
New Jersey	1385	New Jersey	Hudson	145,000	17.2
New Jersey	1605	New Jersey	Bergen	564,563	21.4
New Jersey	1616	New Jersey	Monmouth	40,000	N/A
New Jersey	2107	New Jersey	Cumberland	30,000	16
New Jersey	2349	New Jersey	Atlantic	12,000	12
New Jersey	2350	New Jersey	Morris	24,530	42.8
New Jersey	2355	New Jersey	Union	204,148	26.6
New Jersey	2377	New Jersey	Monmouth	47,357	32.17
New Jersey	2400	New Jersey	Salem	5,500	43.33
New Mexico	1362	New Mexico	Luna	14,000	new site
New York	1009	New York	Niagara	48,196	16
New York	1150	New York	Suffolk	7,741	43.6
New York	1404	New York	Rockland	10,890	24.5
New York	1460	New York	Orange	28,914	31
New York	1484	New York	Westchester	94,095	40
New York	1488	New York	Westchester	31,046	45
New York	1844	New York	Saint Lawrence	22,552	37.8
New York	1852	New York	Saint Lawrence	14,475	40.4
New York	1855	New York	Albany	31,023	34.2
New York	2007	New York	Wayne	5,145	43
New York	2050	New York	Nassau	5,824	97
New York	2080	New York	Nassau	27,494	35
New York	2110	New York	Rensselaer	13,720	49.67
New York	2176	New York	Chemung	38,037	34
New York	2181	New York	Monroe	487,322	30.2
New York	2182	New York	Orange	6,369	45.25
New York	2189	New York	Ulster	10,577	36
New York	2194	New York	Saratoga	152,482	21.75
New York	2197	New York	Essex	3,263	18.5
New York	2201	New York	Oswego	14,199	47.6
New York	2264	New York	Nassau	8,288	26.8
New York	2268	New York	Onondaga	3,272	5
New York	2280	New York	Seneca	6,160	25.33
New York	2281	New York	Chautauqua	3,365	34.33
New York	300	New York	Otsego	19,383	23.33
New York	426	New York	Orange	6,729	35.4
New York	477	New York	Essex	3,076	16.33

New York	483	New York	Delaware	3,581	24.67
New York	513	New York	Onondaga	30,613	31
New York	524	New York	Orange	36,227	24.25
New York	529	New York	Orange	8,568	24.75
New York	531	New York	Jefferson	4,077	31.5
New York	532	New York	Onondaga	25,965	16.5
New York	776	New York	Ulster	26,599	33
New York	986	New York	Washington	12,260	24.67
New York	997	New York	Genesee	16,459	45
Ohio	127	Ohio	Montgomery	226,729	17.2
Ohio	1805	Ohio	Huron	3,276	65.2
Ohio	1957	Ohio	Lake	20,000	8.75
Ohio	214	Ohio	Fairfield	24,303	23.6
Ohio	233	Ohio	Richland	52,000	16.2
Ohio	235	Ohio	Washington	15,284	N/A
Ohio	273	Ohio	Hamilton	76,000	12.8
Ohio	309	Ohio	Licking	3,300	15.25
Ohio	326	Ohio	Scioto	20,366	30.6
Ohio	36	Ohio	Summit	363,897	20.2
Ohio	395	Ohio	Hamilton	34,000	24
Ohio	398	Ohio	Lucas	322,446	23.6
Ohio	403	Ohio	Montgomery	65,000	35.6
Ohio	54	Ohio	Greene	46,160	8.4
Ohio	79	Ohio	Stark	85,000	6.8
Ohio	859	Ohio	Mercer	4,800	30
Oklahoma	2576	Oklahoma	Muskogee	36,790	N/A
Oklahoma	2586	Oklahoma	Canadian	24,623	N/A
Oregon	2639	Oregon	Multnomah	45,600	5.67
Oregon	932	Oregon	Deschutes	92,850	2
Oregon	935	Oregon	Polk	16,555	5
Oregon	949	Oregon	Washington	40,000	13.67
Oregon	951	Oregon	Umatilla	18,775	15.33
Oregon	953	Oregon	Klamath	28,000	3.67
Oregon	956	Oregon	Jackson	133,708	12.67
Oregon	965	Oregon	Marion	10,520	7.33
Oregon	967	Oregon	Marion	10,840	15.33
Oregon	971	Oregon	Lane	235,155	5
Pennsylvania	1366	Pennsylvania	Dauphin	125,000	21.8
Pennsylvania	1368	Pennsylvania	Westmoreland, Armstrong	34,200	16.6
Pennsylvania	1376	Pennsylvania	Westmoreland	4,600	28.2
Pennsylvania	1390	Pennsylvania	Monroe	25,000	25
Pennsylvania	1553	Pennsylvania	Mckean	14,194	37.2
Pennsylvania	1777	Pennsylvania	Monroe	4,000	10

State	ID	Region	County	Value	Rate
Pennsylvania	2307	Pennsylvania	Montgomery	35,000	10.67
Pennsylvania	2308	Pennsylvania	Montgomery	8,900	28
Pennsylvania	2329	Pennsylvania	Montgomery	35,000	15.25
Pennsylvania	2362	Pennsylvania	Allegheny	900,000	5.4
Rhode Island	677	Rhode Island	Bristol	21,100	29.8
South Carolina	1871	South Carolina	Beaufort	20,000	64
South Carolina	908	South Carolina	Richland	60,000	21.2
Texas	113	Houston	Harris	3,825	31.67
Texas	201	Houston	Harris	124,000	39.33
Texas	207	Houston	Harris, Montgomery	52,055	44.67
Texas	250	Houston	Harris	20,161	45.67
Texas	290	Houston	Harris	95,600	54.33
Texas	307	Houston	Harris	5,497	32.33
Texas	366	Houston	Harris	109,414	38.33
Texas	367	Houston	Harris	109,414	26.33
Texas	406	Houston	Harris	59,188	62.67
Texas	443	Houston	Harris	3,623	13
Texas	449	Houston	Harris	8,610	26
Texas	56	Houston	Harris	70,900	22.67
Utah	1077	Utah	Wasatch	5,806	new site
Utah	11	Utah	Utah, Salt Lake	94,484	new site
Utah	12	Utah	Cache	94,005	new site
Utah	16	Utah	Weber, Davis	228,700	new site
Utah	20	Utah	Utah	21,231	new site
Utah	21	Utah	Duchesne	6,790	64
Utah	22	Utah	Summit	23,946	30.5
Utah	24	Utah	Davis	84,981	new site
Utah	28	Utah	Salt Lake	209,645	new site
Utah	2	Utah	Uintah	29,513	41.75
Utah	5	Utah	Iron	32,451	41.5
Virginia	1576	Virginia	Loudoun	300,000	12
Virginia	177	Virginia	Chesapeake City, Virginia Beach City	530,848	38.33
Virginia	181	Virginia	Williamsburg City, Newport News City, York, New Kent, James City	69,059	37
Virginia	1826	Virginia	Wise, Norton City	14,000	70.5
Virginia	1831	Virginia	Rockingham, Harrisonburg City	81,000	62.6
Virginia	1833	Virginia	Montgomery, Pulaski, Radford	70,000	55
Virginia	1834	Virginia	Bedford City, Roanoke, Roanoke City, Salem, Botetourt, Bland	300,000	37.6
Virginia	1837	Virginia	Russell	3,100	81
Virginia	1985	Virginia	Clifton Forge City	4,000	51.8
Virginia	2078	Virginia	Fairfax, Falls Church City, Arlington, Alexandria City	232,965	39.8

State	ID	State	County	Value	Rate
Virginia	2290	Virginia	Henrico	330,000	48.33
Washington	2104	Washington	Kittitas	21,761	34.75
Washington	2105	Washington	Island	24,180	12.2
Washington	2414	Washington	Snohomish	20,000	12
Washington	2424	Washington	Skagit	17,000	N/A
Washington	2438	Washington	Clark	162,100	8.2
Washington	2444	Washington	Snohomish	173,800	8.8
Washington	2534	Washington	Clark	81,140	12.6
Washington	755	Washington	Benton	15,000	19.75
Washington	760	Washington	Spokane	120,000	10.5
Wisconsin	153	Wisconsin	Waukesha	51,000	24
Wisconsin	172	Wisconsin	Washington, Dodge	16,000	33
Wisconsin	223	Wisconsin	Columbia	3,100	38.67
Wisconsin	243	Wisconsin	Juneau	4,400	7.33
Wisconsin	260	Wisconsin	Green	11,000	37.8
Wisconsin	297	Wisconsin	Jefferson, Waukesha	22,000	39.4
Wisconsin	325	Wisconsin	Columbia	11,000	46.67
Wisconsin	389	Wisconsin	Portage	27,000	36
Wisconsin	392	Wisconsin	Douglas	28,000	25.4
Wisconsin	432	Wisconsin	Waupaca	8,000	20
Wisconsin	433	Wisconsin	Marathon	42,350	29.6
West Virginia	1861	West Virginia	Wayne, Cabell	56,000	37.71
West Virginia	2545	West Virginia	Monongalia	2,000	20
West Virginia	2646	West Virginia	Putnam	4,900	N/A
Wyoming	2626	Wyoming	Sweetwater	12,000	14.5
Wyoming	2627	Wyoming	Carbon	8,298	9.5
Wyoming	2628	Wyoming	Sheridan	19,000	11.25
Wyoming	2721	Wyoming	Albany	32,363	N/A
Alaska	2609	Alaska	Anchorage	220,000	16
Alabama	1718	Alabama	Jefferson	225,000	31.57
Alabama	1719	Alabama	Jefferson	200,000	41.86
Arkansas	2588	Arkansas	Boone	15,000	46.29
California	1690	California	Los Angeles	4,000,000	8.29
California	1703	California	Marin	53,000	15.29
California	1869	California	Riverside	350,000	18.14
California	1873	California	Alameda	47,229	19.8
California	1882	California	San Benito	42,000	22.29
California	1885	California	San Luis Obispo	31,037	12.57
California	1910	California	Stanislaus	86,000	34.14
Delaware	1930	Delaware	Sussex	13,172	56
Florida	1897	Florida	Palm Beach	90,000	31.43
Florida	2359	Florida	Pinellas	47,790	29.67
Georgia	1663	Georgia	Fulton	189,593	16

Hawaii	2297	Hawaii	Honolulu	300,000	21.71
Iowa	1783	Iowa	Muscatine	24,400	11
Iowa	1791	Iowa	Wapello	25,529	17.57
Idaho	1842	Idaho	Ada	186,901	20.29
Idaho	1879	Idaho	Kootenai	50,540	28.83
Idaho	813	Idaho	Ada	108,556	43
Illinois	1721	Illinois	Du Page	63,000	30.57
Kansas	1813	Kansas	Wyandotte	15,000	33
Maryland	1808	Maryland	Saint Marys	55,000	33
Michigan	1691	Michigan	Jackson	90,000	42.29
Michigan	1781	Michigan	Kent	75,000	37.57
Michigan	1878	Michigan	Washtenaw	125,000	16.29
Minnesota	1886	Minnesota	Olmsted	120,000	36.14
Mississippi	2480	Mississippi	Jackson	34,333	37.14
North Carolina	1662	North Carolina	Forsyth	92,000	36.83
North Carolina	2605	North Carolina	Wilson	50,000	24.17
New Jersey	1907	New Jersey	Monmouth	52,672	28.29
New York	2608	New York	Tompkins	90,000	25
Pennsylvania	1737	Pennsylvania	Delaware	220,000	N/A
South Dakota	2606	South Dakota	Yankton	20,000	42.14
Texas	1949	Texas	Montgomery	15,000	28
Virginia	1828	Virginia	Stafford	50,000	58.86
West Virginia	2604	West Virginia	Ohio	100,000	25.71
Alabama	2629	Alabama	Lee	70,000	22.4
Arkansas	1542	Arkansas	Pulaski	30,377	23
Arkansas	2631	Arkansas	Greene	25,000	22.5
Arkansas	2686	Arkansas	Garland	38,000	new site
California	1668	California	Contra Costa	495,000	51.2
California	2638	California	El Dorado	30,000	31.5
California	2680	California	Sonoma	237,800	34
California	2684	California	Santa Cruz	164,000	36
California	2685	California	San Luis Obispo	15,000	new site
Connecticut	2645	Connecticut	Fairfield	52,268	19
Florida	1631	Florida	Orange	80,000	10
Florida	1715	Florida	Orange	463,672	15.25
Hawaii	2484	Hawaii	Hawaii	32,604	9.2
Hawaii	2668	Hawaii	Honolulu	340,000	18.8
Kansas	2670	Kansas	Shawnee	95,000	13.2
Louisiana	1651	Louisiana	Lafayette	5,000	13.8
Louisiana	2665	Louisiana	Saint Tammany	15,000	38.6
Maryland	1260	Maryland	Anne Arundel	89,319	40
Maryland	1284	Maryland	Anne Arundel	78,365	48.4
Maine	2077	Maine	Penobscot	20,000	14.2

Maine	2498	Maine	Cumberland	8,500	18.4
Maine	65	Maine	Lincoln	2,222	16.2
North Carolina	2596	North Carolina	Pender, Duplin	10,000	19.4
South Carolina	2564	South Carolina	Horry	12,000	30.2
Tennessee	2690	Tennessee	Chester	3,710	new site
Texas	1140	Texas	Travis	539,116	13.2
Texas	2661	Texas	Webb	30,000	36.8
Virginia	2648	Virginia	Martinsville City, Henry	63,000	21.4
Wyoming	2502	Wyoming	Sheridan	18,000	34.8
Arizona	1053	Arizona	Yuma	8,271	N/A
Arizona	1055	Arizona	Yuma	8,271	N/A
Arizona	1212	Arizona	Maricopa	12,542	40.83
Arizona	1271	Arizona	Pima	23,000	30
Arizona	808	Arizona	Mohave	37,500	27.8
California	1524	California	Plumas	4,217	63.75
California	2061	California	San Joaquin	320,000	3
California	2062	California	San Joaquin	98,601	13
California	211	California	Los Angeles	3,500,000	9.83
California	2330	California	Santa Barbara	77,600	5.67
California	2338	California	Butte	44,000	16.17
California	2411	California	Butte	101,299	12.71
Colorado	1024	Colorado	Archuleta	27,857	47
Colorado	116	Colorado	El Paso	102,204	23.2
Colorado	117	Colorado	El Paso	303,855	10.25
Colorado	122	Colorado	Summit	7,857	39.33
Colorado	1514	Colorado	El Paso	5,936	71.67
Colorado	1518	Colorado	El Paso	9,286	57.25
Colorado	151	Colorado	Larimer	92,127	8.5
Colorado	1563	Colorado	Elbert	3,571	26
Colorado	224	Colorado	Boulder, Weld	75,544	21.2
Colorado	370	Colorado	Larimer	23,194	9.25
Colorado	49	Colorado	Arapahoe, Adams	268,004	28
Colorado	656	Colorado	La Plata	23,429	11.8
Colorado	66	Colorado	Boulder	89,383	12.6
Colorado	747	Colorado	Arapahoe	25,714	48.33
Colorado	845	Colorado	Summit	14,286	41.25
Connecticut	686	Connecticut	New Haven	115,000	18
Delaware	1183	Delaware	Sussex	7,000	42.8
Delaware	1185	Delaware	Sussex	4,392	43.4
Delaware	1187	Delaware	New Castle	17,145	41.2
Delaware	1192	Delaware	Sussex	7,000	45.8
Delaware	1194	Delaware	New Castle	539,000	26.2

Florida	1631	Florida	Orange	50,000	N/A
Florida	669	Florida	Orange	277,823	N/A
Georgia	2697	Georgia	Laurens	17,000	27.75
Georgia	2702	Georgia	Richmond	198,000	N/A
Georgia	2707	Georgia	Houston	120,000	34.6
Georgia	2715	Georgia	Clayton	123,715	N/A
Idaho	1801	Idaho	Payette	6,350	N/A
Idaho	818	Idaho	Ada	120,344	14.86
Illinois	1816	Illinois	Madison	26,000	20.67
Illinois	1943	Illinois	Sangamon	102,000	38.4
Illinois	603	Illinois	Kane	11,290	11.8
Illinois	607	Illinois	Boone	25,134	33.8
Illinois	611	Illinois	Fulton	13,506	18.8
Illinois	612	Illinois	Greene	3,064	37.6
Illinois	620	Illinois	Macon	88,500	42.6
Illinois	632	Illinois	Cook	270,647	33.57
Illinois	633	Illinois	Warren	10,836	35.25
Illinois	635	Chicago	Cook	3,816	40.6
Illinois	642	Illinois	Du Page	164,781	17.6
Illinois	699	Illinois	Tazewell	32,540	25
Illinois	871	Illinois	La Salle	18,768	21
Illinois	978	Illinois	Mclean	42,000	13.6
Illinois	981	Illinois	De Kalb	45,000	36.8
Illinois	982	Illinois	Cook	1,263,110	19
Indiana	1458	Indiana	Noble	10,000	23
Indiana	1479	Indiana	Elkhart	35,000	28.8
Indiana	1619	Indiana	Marion	800,000	17.2
Indiana	2337	Indiana	Tippecanoe	60,000	28.2
Indiana	2341	Indiana	St Joseph	130,000	27.4
Indiana	2342	Indiana	Vigo	58,500	21.2
Indiana	2343	Indiana	Wayne	36,000	33.6
Indiana	828	Indiana	Hamilton	86,000	22.8
Kansas	2465	Kansas	Johnson	42,235	16.8
Kentucky	2651	Kentucky	Calloway	28,837	46.6
Kentucky	2655	Kentucky	Shelby	32,160	30.8
Louisiana	1758	Louisiana	Pointe Coupee	5,303	17
Louisiana	1858	Louisiana	Terrebonne	30,000	46.67
Louisiana	1919	Louisiana	Bienville	3,500	29.6
Louisiana	1924	Louisiana	Ouachita	76,000	56.2
Louisiana	1928	Louisiana	Ouachita	12,600	N/A
Louisiana	1959	Louisiana	Washington	13,675	42.8
Louisiana	1964	Louisiana	Union	4,000	70.6

Louisiana	1965	Louisiana	Saint Mary	9,700	68.2
Louisiana	1968	Louisiana	East Feliciana	7,811	12.4
Louisiana	1973	Louisiana	Livingston	7,477	34.5
Louisiana	1976	Louisiana	Jefferson	173,101	63.4
Louisiana	2225	Louisiana	Jefferson	10,800	35.4
Louisiana	2691	Louisiana	Caddo	5,300	55.6
Massachusetts	2471	Massachusetts	Suffolk	3,196	27
Massachusetts	2471	Massachusetts	Suffolk	42,494	26.6
Maine	1206	Maine	York	21,000	N/A
Maine	1990	Maine	Penobscot	57,000	41.6
Maine	1991	Maine	Washington	2,592	33.8
Maine	1992	Maine	Cumberland	65,000	23.4
Maine	1998	Maine	Washington	1,635	16.8
Maine	2000	Maine	Aroostook	9,000	18.4
Maine	2001	Maine	Cumberland	24,000	19.75
Maine	65	Maine	Lincoln	1,759	N/A
Michigan	1088	Michigan	Ottawa	25,000	26.25
Michigan	1091	Michigan	Schoolcraft	3,412	57
Michigan	1092	Michigan	Chippewa	15,000	19.67
Michigan	1096	Michigan	Muskegon	125,000	26.75
Michigan	1121	Michigan	Saginaw	6,300	33.67
Michigan	1122	Michigan	Otsego	3,670	12
Michigan	1125	Michigan	Marquette	4,500	4
Michigan	1125	Michigan	Marquette	4,500	30
Michigan	1138	Michigan	Isabella	25,629	55.5
Michigan	1167	Michigan	Kent	15,000	28.25
Michigan	1599	Michigan	Eaton	9,074	0
Michigan	1815	Michigan	Arenac	5,500	34
Michigan	1945	Michigan	Livingston	9,000	N/A
Michigan	756	Michigan	Kent	265,000	10.5
Michigan	757	Michigan	Jackson	90,000	6.69
Michigan	800	Michigan	Genesee	95,000	19.73
Michigan	801	Michigan	Grand Traverse	10,000	33.33
Michigan	801	Michigan	Grand Traverse	45,000	46
Michigan	823	Michigan	Houghton	14,000	28.6
Michigan	860	Michigan	Gratiot	8,976	61.2
Michigan	889	Michigan	Ottawa	6,657	23.75
Michigan	889	Michigan	Ottawa	6,524	28.6
Michigan	889	Michigan	Ottawa	45,608	19.25
Michigan	890	Michigan	Ottawa	15,498	9.4
Michigan	890	Michigan	Ottawa	8,278	18.6
Michigan	890	Michigan	Ottawa	36,912	1
Michigan	891	Michigan	Kalamazoo	14,378	19.2

Michigan	891	Michigan	Kalamazoo	39,068	7.8
Minnesota	2231	Minnesota	Isanti	9,604	25.2
Minnesota	2233	Minnesota	Washington	83,209	31.4
Minnesota	2237	Minnesota	Otter Tail	13,922	31.8
Minnesota	2246	Minnesota	Clay	44,602	41.2
Minnesota	2248	Minnesota	Scott, Le Sueur	8,201	20.4
Minnesota	2253	Minnesota	Hennepin	10,308	30
Minnesota	2257	Minnesota	Carlton, Saint Louis	98,018	28.2
Minnesota	2259	Minnesota	Winona	27,684	12.25
Minnesota	2260	Minnesota	Nobles	13,372	11.8
Missouri	190	Missouri	Cole, Callaway	41,153	70
Missouri	194	Missouri	Clay, Platte	76,759	N/A
Missouri	196	Missouri	Jackson	25,000	65.33
Missouri	198	Missouri	Clay	12,000	73
Missouri	202	Missouri	Dunklin	11,300	81
Missouri	265	Missouri	Saint Louis	149,112	67.67
Missouri	365	Missouri	New Madrid, Scott	17,000	68.33
Missouri	380	Missouri	Greene	22,818	40
Missouri	424	Missouri	Johnson	14,477	42.67
Missouri	438	Missouri	Saint Charles	44,852	65
Missouri	63	Missouri	Polk	10,500	52
Missouri	858	Missouri	Jackson, Cass	367,300	65
Montana	2407	Montana	Park	8,700	18
Montana	2635	Montana	Hill	10,000	30
North Carolina	1031	North Carolina	Onslow	41,819	39.6
North Carolina	144	North Carolina	Cumberland	151,589	31
North Carolina	166	North Carolina	Guilford	135,821	36.75
North Carolina	2013	North Carolina	Union	17,000	22
North Carolina	2015	North Carolina	Gaston	6,700	35.2
North Carolina	2020	North Carolina	Cabarrus	226,400	70.25
North Carolina	271	North Carolina	Buncombe, Henderson	173,000	31.33
North Carolina	288	North Carolina	Catawba	40,488	37.4
North Carolina	303	North Carolina	Orange, Durham	78,141	19.4
North Carolina	334	North Carolina	Wake	30,655	12.8
North Carolina	369	North Carolina	Orange, Durham	108,105	4
North Carolina	450	North Carolina	New Hanover	58,361	29
North Carolina	452	North Carolina	Forsyth	178,000	24
North Carolina	85	North Carolina	Wake	74,331	11.8
North Carolina	92	North Carolina	Mecklenburg	68,685	35.25
North Carolina	94	North Carolina	Mecklenburg	120,000	30
Nebraska	1331	Nebraska	York	8,000	14
Nebraska	922	Nebraska	Lancaster	100,000	4.2
Nebraska	925	Nebraska	Lancaster	200,000	8.6

New Hampshire	2087	New Hampshire	Rockingham	20,000	49.33
New Hampshire	2089	New Hampshire	Cheshire	30,000	35.5
New Hampshire	2096	New Hampshire	Grafton	7,000	58
New Jersey	1453	New Jersey	Monmouth	47,000	31
New Jersey	2351	New Jersey	Burlington	19,980	40.75
New Jersey	2352	New Jersey	Cumberland	30,000	65.2
New Jersey	2356	New Jersey	Hudson	22,181	30.25
New Jersey	2373	New Jersey	Hunterdon	9,440	17.6
New Jersey	784	New Jersey	Somerset, Middlesex, Union	880,000	29
New Mexico	1475	New Mexico	Otero	36,000	31
Nevada	1117	Nevada	Carson City	52,000	66.33
New York	1007	New York	Genesee	4,191	0
New York	1013	New York	Erie	71,131	28.2
New York	1022	New York	Schenectady	78,444	29.8
New York	1042	New York	Columbia	6,374	38
New York	1044	New York	Suffolk	24,147	43.75
New York	1045	New York	Essex	6,264	10.4
New York	1068	New York	Tompkins	56,967	0
New York	1099	New York	Wyoming	3,448	23.67
New York	1171	New York	Schoharie	5,326	34.67
New York	1405	New York	Rockland	4,115	32
New York	1486	New York	Westchester	40,301	31.4
New York	1504	New York	Sullivan	6,639	31.33
New York	1557	New York	Orange	6,563	N/A
New York	1821	New York	Dutchess	14,525	61.33
New York	1931	New York	Albany	21,281	46.67
New York	1937	New York	Livingston	5,361	54.5
New York	2025	New York	Niagara	38,971	64.6
New York	2102	New York	Ontario	16,507	2
New York	2177	New York	Chemung	18,085	40
New York	2179	New York	Erie	24,461	23
New York	2186	New York	Niagara	31,032	58
New York	2200	New York	Jefferson	23,485	28.67
New York	2272	New York	Saint Lawrence	11,269	40.6
New York	2287	New York	Oneida	3,210	36.67
New York	2333	New York	Dutchess	3,391	22
New York	515	New York	Madison	4,843	41.67
New York	522	New York	Orange	27,434	39.6
New York	580	New York	Monroe	43,074	19.8
New York	694	New York	Franklin	7,175	41.5

New York	721	New York	Rensselaer	79,699	23.25
New York	723	New York	Seneca	6,961	28
New York	869	New York	Warren	23,462	39.5
New York	996	New York	Erie	142,478	59.8
New York	998	New York	Erie	431,141	34.8
Ohio	112	Ohio	Wayne	27,000	24.8
Ohio	140	Ohio	Lorain	54,500	5.6
Ohio	157	Ohio	Sandusky	25,000	27.8
Ohio	205	Ohio	Hardin	8,500	58.33
Ohio	2473	Ohio	Knox	7,000	10.4
Ohio	263	Ohio	Knox	18,000	15.2
Ohio	274	Ohio	Henry	8,749	20.25
Ohio	291	Ohio	Huron	17,000	6.8
Ohio	301	Ohio	Lucas	17,000	11.4
Ohio	304	Ohio	Butler	22,000	35.4
Ohio	411	Ohio	Wyandot	6,700	25.4
Ohio	442	Ohio	Montgomery	79,000	5.8
Oklahoma	2566	Oklahoma	Pontotoc	16,738	N/A
Oklahoma	2568	Oklahoma	Washington	36,495	37.5
Oklahoma	2572	Oklahoma	Bryan	18,589	N/A
Oklahoma	2583	Oklahoma	Payne	48,134	N/A
Oregon	934	Oregon	Benton	58,856	4.33
Oregon	936	Oregon	Lane	8,925	25.67
Oregon	942	Oregon	Washington	220,000	2.33
Oregon	943	Oregon	Washington	40,000	3.67
Oregon	945	Oregon	Multnomah	662,235	1.33
Oregon	955	Oregon	Yamhill	34,615	4.33
Oregon	959	Oregon	Umatilla	17,500	20
Oregon	960	Oregon	Douglas	30,000	N/A
Oregon	961	Oregon	Marion	229,000	3.67
Pennsylvania	1455	Pennsylvania	Delaware	6,800	15.2
Pennsylvania	1533	Pennsylvania	Centre	90,000	34.57
Pennsylvania	1554	Pennsylvania	Mercer	16,000	50
Pennsylvania	2364	Pennsylvania	Allegheny	7,000	13
Pennsylvania	2365	Pennsylvania	Allegheny	48,000	19.6
Pennsylvania	2367	Pennsylvania	Allegheny	5,191	19.2
Pennsylvania	2368	Pennsylvania	Allegheny	43,482	12.6
Rhode Island	464	Rhode Island	Providence	240,000	new site
Rhode Island	835	Rhode Island	Bristol	11,000	12
South Carolina	877	South Carolina	Kershaw	8,825	37.4
South Carolina	885	South Carolina	Georgetown	30,000	28.6
South Carolina	909	South Carolina	Horry	195,000	16.33

Tennessee	1323	Tennessee	Shelby	300,000	N/A
Texas	135	Houston	Harris	16,030	33
Texas	149	Houston	Harris	4,170	17
Texas	160	Houston	Harris	40,689	38.67
Texas	183	Houston	Harris	16,804	23
Texas	35	Houston	Harris	551,150	35.67
Texas	40	Houston	Harris	117,968	36
Texas	435	Houston	Harris	33,645	41
Texas	439	Houston	Harris	85,129	10
Texas	97	Houston	Harris	37,359	21.5
Utah	10	Utah	Cache	9,095	36
Utah	15	Utah	Grand, San Juan	9,896	41.75
Utah	18	Utah	Utah	102,624	new site
Utah	19	Utah	Carbon	17,312	41.75
Utah	26	Utah	Utah	53,313	new site
Utah	33	Utah	Utah	253,112	new site
Utah	9	Utah	Davis, Weber	208,850	new site
Virginia	178	Virginia	Isle Of Wight, Suffolk City, Chesapeake City, Portsmouth City	197,608	46
Virginia	1828	Virginia	Stafford	44,000	50.67
Virginia	1829	Virginia	Amherst, Lynchburg City, Campbell, Bedford City	220,000	40.6
Virginia	2035	Virginia	Hampton City, Newport News City	118,497	47
Virginia	2036	Virginia	James City, York, Hampton City, Newport News City	141,543	47.67
Virginia	38	Virginia	Alexandria City, Fairfax	300,000	38.8
Virginia	61	Virginia	Montgomery	52,500	51.2
Washington	1076	Washington	Chelan	35,550	4.5
Washington	1143	Washington	Pierce	43,000	5
Washington	1397	Washington	Pierce	295,855	5
Washington	1635	Washington	Yakima	117,072	8.6
Washington	2419	Washington	Pierce, King	896,000	25.6
Washington	2445	Washington	Skagit	35,600	48.8
Washington	351	Washington	Clark	120,000	7.25
Washington	676	Washington	King, Snohomish	288,000	24
Wisconsin	128	Wisconsin	Brown	43,000	10.2
Wisconsin	164	Wisconsin	Brown, Kewaunee	189,000	16
Wisconsin	1851	Wisconsin	Walworth	30,000	25
Wisconsin	189	Wisconsin	Rock	63,500	20.8
Wisconsin	203	Wisconsin	Kenosha	122,000	25
Wisconsin	209	Wisconsin	La Crosse	85,000	18.2
Wisconsin	246	Wisconsin	Dunn	16,000	22.33
Wisconsin	248	Wisconsin	Lincoln	9,700	15
Wisconsin	2499	Wisconsin	Fond Du Lac	65,000	17.2

Wisconsin	2528	Wisconsin	Dane	42,734	12.6
Wisconsin	2529	Wisconsin	Dane	70,024	9.4
Wisconsin	256	Wisconsin	Ozaukee, Milwaukee	470,007	17.75
Wisconsin	302	Wisconsin	Winnebago	78,300	34.8
Wisconsin	41	Wisconsin	Outagamie, Winnebago, Calumet	72,810	40
West Virginia	1860	West Virginia	Kanawha	9,000	N/A
West Virginia	1863	West Virginia	Cabell	7,000	24.5
West Virginia	1864	West Virginia	Cabell	7,200	17.86
West Virginia	2541	West Virginia	Preston	700	26
West Virginia	2544	West Virginia	Jefferson	17,000	27.5
West Virginia	2547	West Virginia	Randolph	13,156	21
West Virginia	2550	West Virginia	Mineral	8,168	28.33
West Virginia	2553	West Virginia	Marshall	12,000	24
West Virginia	2555	West Virginia	Mason	5,515	20.33
West Virginia	2556	West Virginia	Mercer	36,000	13.86
West Virginia	2562	West Virginia	Ohio	50,000	6.36
Wyoming	2625	Wyoming	Laramie	74,600	9
Alabama	1716	Alabama	Jefferson	30,000	32.33
California	1695	California	Marin	30,000	27.29
California	1760	California	Yolo	4,006	15.57
California	1766	California	Yolo	7,286	28.17
California	1790	California	Orange	120,000	19.43
California	1887	California	San Mateo	150,000	25.57
California	1905	California	Marin	30,000	31.43
California	2590	California	Alameda	50,000	19.57
California	305	California	Santa Clara	236,000	22.27
California	363	California	San Francisco, San Mateo	750,000	27.27
Connecticut	2603	Connecticut	Fairfield	140,000	18.33
Florida	1631	Florida	Orange	50,000	18.4
Georgia	1697	Georgia	Fulton	12,818	42.43
Hawaii	2299	Hawaii	Honolulu	390,000	16
Hawaii	2301	Hawaii	Honolulu	18,000	23.17
Iowa	1884	Iowa	Marshall	27,400	41.86
Indiana	1738	Indiana	Clark	25,000	23
Kansas	1895	Kansas	Douglas	80,000	27.29
Louisiana	2618	Louisiana	Orleans	50,591	12
Maryland	1782	Maryland	Washington	90,000	27.14
Maine	2611	Maine	Androscoggin	60,000	34.5
Michigan	1890	Michigan	Macomb	140,000	39.43
Michigan	2208	Michigan	Isabella	21,690	44.57
Minnesota	2263	Minnesota	Goodhue	16,000	60.29
Minnesota	2616	Minnesota	Benton, Stearns, Sherburne	120,000	42.43

State	ID	State	County	Value	Number
Nebraska	2614	Nebraska	Lancaster	60,000	13.14
New Jersey	2222	New Jersey	Monmouth	100,000	46.57
New Jersey	2619	New Jersey	Somerset	130,000	42.33
New York	2601	New York	Oswego	30,000	37.14
Ohio	1891	Ohio	Mahoning	174,000	33.14
Pennsylvania	1667	Pennsylvania	Dauphin	125,000	25
Tennessee	2288	Tennessee	Walker, Dade, Catoosa, Hamilton	400,000	43.43
Texas	2325	Texas	Dallas	270,000	16
Utah	1708	Utah	Utah	115,000	16
Utah	1877	Utah	Salt Lake	600,000	26.14
Washington	2602	Washington	Snohomish	10,150	25.57
Alaska	1490	Alaska	Juneau	12,000	27
Alaska	1491	Alaska	Juneau	22,000	16.75
Alabama	2510	Alabama	Colbert	18,000	10
Arkansas	1543	Arkansas	Pulaski	23,812	25.8
California	1199	California	Kings	59,488	13
Connecticut	2650	Connecticut	New London	41,000	25.2
Hawaii	2672	Hawaii	Honolulu	400,000	29.4
Louisiana	1652	Louisiana	Lafayette	23,000	36.2
Louisiana	2694	Louisiana	Jefferson	64,000	new site
Maryland	1278	Maryland	Anne Arundel	22,660	30.8
Maryland	2495	Maryland	Garrett	3,000	6
Maine	2475	Maine	York	20,000	19.4
Maine	2489	Maine	Piscataquis	1,000	7.75
Maine	2501	Maine	Sagadahoc	8,700	31.4
Missouri	2671	Missouri	Jefferson	48,000	26.6
North Carolina	1220	North Carolina	Rowan	32,000	33.6
New Hampshire	2496	New Hampshire	Belknap, Oxford, Cumberland, Carroll	6,500	42.8
New Hampshire	2519	New Hampshire	Sullivan	6,000	31.2
Oklahoma	2512	Oklahoma	Garfield	50,350	34.4
Pennsylvania	2667	Pennsylvania	Montgomery	13,000	36
South Carolina	2634	South Carolina	Georgetown	12,000	48.67
Tennessee	2514	Tennessee	Bradley	43,750	10.8
Texas	2642	Texas	Webb	30,000	23.2
Texas	2666	Texas	Galveston	115,000	31.6
Texas	2673	Texas	Galveston	115,000	33
Texas	2689	Texas	Galveston	15,000	new site
Vermont	2644	Vermont	Bennington	20,000	21.2
Wisconsin	1277	Wisconsin	Dane	424,000	12
Wyoming	2476	Wyoming	Teton	13,000	30.5
Arizona	1054	Arizona	Yuma	10,873	N/A

State	ID	State	County	Value	Rate
Arizona	1212	Arizona	Maricopa	23,746	18.17
Arizona	1212	Arizona	Maricopa	88,521	43.29
Arizona	1212	Arizona	Maricopa	64,521	30
Arizona	1212	Arizona	Maricopa	6,500	0
Arizona	1382	Arizona	Maricopa	50,000	16.6
Arizona	1383	Arizona	Maricopa	2,400,000	32.2
Arizona	2523	Arizona	Maricopa	130,000	19
Arizona	590	Arizona	Pima	347,900	13.8
California	215	California	Los Angeles, Ventura	4,000,000	9.14
California	2369	California	Kings	56,000	7.17
California	2396	California	Sutter	70,000	6.43
California	2436	California	Del Norte	15,372	15
California	2636	California	Placer, El Dorado, Nevada	50,000	34.43
California	356	California	San Bernardino	325,000	10
California	363	California	San Francisco	3,882	19.5
California	363	California	San Francisco	11,738	46.5
California	363	California	San Francisco	6,308	29.33
California	363	California	San Francisco	4,416	32
California	88	California	Contra Costa	487,300	12.8
Colorado	1515	Colorado	El Paso	4,779	17.25
Colorado	1525	Colorado	Weld	13,779	57.4
Colorado	1592	Colorado	Montrose	30,857	10.75
Colorado	161	Colorado	Garfield	16,714	5.67
Colorado	733	Colorado	Douglas	34,786	11.25
Colorado	737	Colorado	Alamosa	18,364	3.25
Colorado	751	Colorado	Mesa	89,286	30.75
Colorado	928	Colorado	Weld	20,000	19.75
Connecticut	534	Connecticut	Fairfield	100,000	16.4
Connecticut	832	Connecticut	New London	40,000	15.8
Delaware	1186	Delaware	Sussex	4,050	23.4
Delaware	1191	Delaware	Sussex	75,000	25.8
Florida	1606	Florida	Lee	76,800	N/A
Florida	1735	Florida	Seminole, Orange	51,000	N/A
Florida	2422	Florida	Pinellas	220,000	N/A
Florida	2712	Florida	Duval	14,000	N/A
Georgia	2698	Georgia	Forsyth	36,500	N/A
Georgia	2704	Georgia	Clarke	60,000	N/A
Georgia	2708	Georgia	Treutlen	3,100	44.8
Georgia	2711	Georgia	Bulloch	15,000	11
Georgia	2713	Georgia	Paulding	10,000	N/A
Georgia	2716	Georgia	Newton	32,000	32
Idaho	1603	Idaho	Ada	117,635	17.2
Idaho	1916	Idaho	Canyon	100,200	14.5

Idaho	992	Idaho	Ada	167,500	15.43
Illinois	1252	Illinois	Du Page	59,805	14.2
Illinois	2125	Illinois	Saint Clair	32,289	18
Illinois	462	Illinois	Winnebago	353,599	28.6
Illinois	616	Illinois	Christian	12,663	11.4
Illinois	617	Illinois	Mchenry	36,552	20
Illinois	622	Illinois	Effingham	12,384	22
Illinois	624	Illinois	Stephenson	23,650	37.8
Illinois	626	Illinois	Knox	39,153	30.8
Illinois	627	Illinois	Morgan	23,818	20.5
Illinois	628	Illinois	Kankakee	56,317	25.25
Illinois	635	Chicago	Cook	125,995	7.4
Illinois	635	Illinois	Cook	1,134,897	41.14
Illinois	636	Illinois	Cook	110,394	9.71
Illinois	641	Illinois	Cook	217,106	22.86
Illinois	643	Illinois	Lake	55,735	28
Illinois	644	Illinois	Lake	105,208	23.6
Illinois	651	Illinois	Carroll	5,615	10.8
Illinois	653	Illinois	Macoupin	4,480	19.5
Illinois	654	Illinois	Whiteside	18,678	8.4
Illinois	674	Chicago	Cook	23,324	15.4
Illinois	731	Illinois	Bureau	5,400	34
Illinois	857	Illinois	Lawrence	4,399	15.67
Indiana	2357	Indiana	Hamilton	98,000	12.75
Indiana	772	Indiana	Monroe	67,500	39.2
Kansas	2464	Kansas	Johnson	112,076	37
Kentucky	2654	Kentucky	Madison	37,000	19.8
Louisiana	1574	Louisiana	Lafourche	14,566	75
Louisiana	1960	Louisiana	Jefferson	50,652	51.6
Louisiana	1977	Louisiana	Saint Mary	16,779	89.2
Louisiana	2011	Louisiana	Red River	3,838	N/A
Massachusetts	2471	Massachusetts	Suffolk	23,573	14.8
Massachusetts	2471	Massachusetts	Suffolk	24,142	40
Massachusetts	2471	Massachusetts	Suffolk	7,036	21
Maine	1988	Maine	Hancock	1,400	N/A
Maine	1994	Maine	Aroostook	2,400	40.6
Maine	1995	Maine	Kennebec	19,000	46.17
Maine	1999	Maine	Piscataquis	1,200	28.2
Maine	716	Maine	Cumberland	8,500	N/A
Michigan	1040	Michigan	Ottawa	3,511	35.2
Michigan	1049	Michigan	Allegan	3,777	13.8
Michigan	1050	Michigan	Saint Joseph	10,681	8

State	ID	State	County	Value	Rate
Michigan	1096	Michigan	Muskegon	32,000	N/A
Michigan	1096	Michigan	Muskegon	10,000	new site
Michigan	1106	Michigan	Iosco	5,000	14.5
Michigan	1125	Michigan	Marquette	25,000	35
Michigan	1166	Michigan	Huron	4,000	20
Michigan	1215	Michigan	Kent	41,000	17.5
Michigan	1216	Michigan	Midland	40,000	19.5
Michigan	1217	Michigan	Kent	145,000	28.75
Michigan	1585	Michigan	Kent	7,000	29.75
Michigan	1729	Michigan	Wayne	6,000	N/A
Michigan	761	Michigan	Lenawee	8,680	13.71
Michigan	762	Michigan	Washtenaw	330,000	5.62
Michigan	799	Michigan	Washtenaw	150,000	14.71
Michigan	822	Michigan	Delta	12,600	23.8
Michigan	861	Michigan	Saginaw	40,000	31.5
Michigan	890	Michigan	Ottawa	11,955	25.2
Michigan	891	Michigan	Kalamazoo	6,703	28.2
Michigan	891	Michigan	Kalamazoo	45,976	20.8
Minnesota	2226	Minnesota	Freeborn	17,930	12.2
Minnesota	2227	Minnesota	Dodge	13,919	21.2
Minnesota	2238	Minnesota	Mille Lacs	4,137	23.8
Minnesota	2240	Minnesota	Dakota	21,834	32.6
Minnesota	2245	Minnesota	Blue Earth	44,586	19.4
Minnesota	2247	Minnesota	Kanabec	3,631	27.5
Minnesota	2256	Minnesota	Pennington	9,265	47
Minnesota	2258	Minnesota	Kandiyohi	20,201	23.2
Missouri	119	Missouri	Boone	123,180	53.67
Missouri	132	Missouri	Saint Charles	58,777	86.67
Missouri	191	Missouri	Newton	15,906	49.33
Missouri	197	Missouri	Clay, Platte	13,940	48
Missouri	2068	Missouri	Laclede	15,000	0
Missouri	253	Missouri	Audrain	11,500	50.5
Missouri	268	Missouri	Saint Louis	451,367	73.5
Missouri	270	Missouri	Saint Louis, Saint Charles	174,537	63
Missouri	385	Missouri	Buchanan	27,000	59.5
Missouri	386	Missouri	Saint Charles	60,000	45.67
Missouri	429	Missouri	Franklin	15,000	42
Missouri	71	Missouri	Linn	3,979	46
Missouri	87	Missouri	Barry	3,300	73.67
Missouri	95	Missouri	Livingston	9,000	53.67
Montana	977	Montana	Lewis And Clark	37,125	18.67
North Carolina	111	North Carolina	Wilson	49,384	31.8
North Carolina	1521	North Carolina	Mecklenburg	82,158	30.75

North Carolina	1523	North Carolina	Durham	142,000	31.33
North Carolina	2019	North Carolina	Cabarrus	6,898	37.8
North Carolina	237	North Carolina	Mcdowell	8,459	31.5
North Carolina	86	North Carolina	Wake	75,886	17.4
Nebraska	1493	Nebraska	Holt	3,700	24
Nebraska	987	Nebraska	Stanton, Madison	27,000	37.8
Nebraska	988	Nebraska	Lincoln	24,000	14.6
New Hampshire	2088	New Hampshire	Grafton	11,000	69.33
New Hampshire	2090	New Hampshire	Hillsborough	172,000	31.67
New Hampshire	2092	New Hampshire	Rockingham	3,500	68
New Jersey	1291	New Jersey	Passaic	54,000	8.6
New Jersey	2353	New Jersey	Morris	90,000	29.75
New Jersey	2354	New Jersey	Somerset	7,000	15.2
New Jersey	2423	New Jersey	Atlantic	250,000	12
New Mexico	2391	New Mexico	Sandoval	101,750	new site
New Mexico	2394	New Mexico	Dona Ana	8,127	49
New Mexico	2649	New Mexico	Dona Ana	89,719	new site
New York	1008	New York	Orleans	6,191	49.33
New York	1010	New York	Monroe	155,096	40.4
New York	1021	New York	Nassau	20,616	9.5
New York	1041	New York	Suffolk	278,775	32.2
New York	1078	New York	Wayne	8,931	29.33
New York	1098	New York	Sullivan	4,925	35.33
New York	1149	New York	Tioga	3,750	30
New York	1153	New York	Livingston	15,688	44.33
New York	1213	New York	Ontario	17,936	31.67
New York	1306	New York	Nassau	524,955	31
New York	1400	New York	Broome	24,672	34.2
New York	1402	New York	Clinton	20,893	51
New York	1403	New York	Rockland	12,676	25.67
New York	1485	New York	Westchester	78,683	25.8
New York	1487	New York	Westchester	44,876	38
New York	1800	New York	Dutchess	13,856	49
New York	1853	New York	Suffolk	7,499	38.67
New York	1854	New York	Suffolk	5,789	35.67
New York	1917	New York	Saint Lawrence	4,705	48.5
New York	2112	New York	Livingston	3,288	48
New York	2178	New York	Erie	6,908	27.67
New York	2180	New York	Broome	38,726	0
New York	2187	New York	Lewis	3,953	N/A

New York	2190	New York	Niagara	5,632	66.67
New York	2195	New York	Ulster	3,793	32
New York	2212	New York	Orange	5,672	41.5
New York	2213	New York	Oneida	6,076	41.5
New York	2219	New York	Oneida	3,990	57.67
New York	479	New York	Chenango	6,734	34
New York	521	New York	Onondaga	242,377	0
New York	525	New York	Onondaga	50,727	9.5
New York	567	New York	Fulton	23,379	52
New York	690	New York	Cortland	26,950	39
New York	691	New York	Herkimer	13,924	22.4
New York	718	New York	Schuyler	3,656	3
New York	719	New York	Nassau	24,041	29.5
New York	740	New York	Oneida	55,215	20.5
New York	836	New York	Nassau	611,349	36
New York	837	New York	Rockland	53,437	18.5
New York	838	New York	Rockland	207,430	36.2
New York	974	New York	Yates	5,339	21
New York	994	New York	Orleans	6,278	0
New York	999	New York	Chautauqua	12,616	43.2
Ohio	102	Ohio	Marion	36,000	32.4
Ohio	129	Ohio	Defiance	19,900	27.6
Ohio	134	Ohio	Montgomery	36,150	10
Ohio	1608	Ohio	Hocking	8,500	14
Ohio	170	Ohio	Butler	65,000	13.4
Ohio	204	Ohio	Portage	29,000	19.6
Ohio	228	Ohio	Lucas	110,000	11
Ohio	277	Ohio	Cuyahoga	524,154	21.8
Ohio	322	Ohio	Ottawa	7,000	52.4
Ohio	374	Ohio	Franklin	654,817	18.4
Ohio	382	Ohio	Clark	60,000	26.8
Ohio	388	Ohio	Jefferson	17,864	35.8
Ohio	422	Ohio	Trumbull	54,037	24.4
Ohio	46	Ohio	Ashtabula	31,430	28.6
Ohio	74	Ohio	Crawford	12,362	18.8
Ohio	82	Ohio	Carroll	3,500	32.4
Oklahoma	2573	Oklahoma	Garfield	49,583	32.5
Oklahoma	2575	Oklahoma	Oklahoma	57,288	50
Oklahoma	2584	Oklahoma	Cherokee	16,463	N/A
Oregon	469	Oregon	Jackson	21,105	10
Oregon	933	Oregon	Clackamas	14,206	8.67
Oregon	937	Oregon	Lincoln	8,865	27.67
Oregon	939	Oregon	Lincoln	10,400	11.33

Oregon	941	Oregon	Marion	26,273	4.33
Oregon	948	Oregon	Wasco	15,276	N/A
Oregon	950	Oregon	Josephine	37,725	4
Oregon	952	Oregon	Hood River	7,800	7
Pennsylvania	1358	Pennsylvania	Cumberland	25,000	50.8
Pennsylvania	1359	Pennsylvania	Erie	200,000	46.2
Pennsylvania	1367	Pennsylvania	Franklin	67,000	22.2
Pennsylvania	1370	Pennsylvania	Lehigh	200,000	new site
Pennsylvania	1370	Pennsylvania	Lehigh	200,000	17.33
Pennsylvania	1375	Pennsylvania	York	85,000	52.6
Pennsylvania	1530	Pennsylvania	Centre	12,000	N/A
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700	13.6
Pennsylvania	1809	Pennsylvania	Chester	13,500	37.8
Pennsylvania	2329	Pennsylvania	Montgomery	35,000	new site
Rhode Island	548	Rhode Island	Providence	120,000	13.4
Rhode Island	565	Rhode Island	Kent	6,000	24.4
South Carolina	906	South Carolina	Lexington	40,000	N/A
Tennessee	1445	Tennessee	Sumner	45,000	N/A
Tennessee	1539	Tennessee	Sullivan	50,000	N/A
Texas	165	Houston	Harris, Fort Bend	28,742	28.33
Texas	176	Houston	Harris	9,375	17
Texas	272	Houston	Harris	4,010	62
Texas	287	Houston	Harris	12,892	15
Texas	288	Houston	Harris	33,102	29.33
Texas	350	Houston	Harris	20,608	42.33
Texas	373	Houston	Harris	32,485	25.5
Texas	434	Houston	Harris, Fort Bend	20,920	34.67
Texas	446	Houston	Harris	20,758	28.33
Utah	1077	Utah	Wasatch	19,936	new site
Utah	17	Utah	Utah	112,901	new site
Utah	1	Utah	Washington	24,970	new site
Utah	23	Utah	Summit	7,888	25
Utah	25	Utah	Davis	21,872	new site
Utah	27	Utah	Washington	92,047	27.75
Utah	29	Utah	Utah	12,510	new site
Utah	30	Utah	Salt Lake	254,971	new site
Utah	34	Utah	Box Elder	12,451	new site
Utah	3	Utah	Box Elder	21,443	new site
Utah	6	Utah	Davis	64,533	new site
Virginia	1830	Virginia	Albemarle, Charlottesville City	118,266	39.4
Virginia	1832	Virginia	Frederick	16,563	45.8
Virginia	2029	Virginia	Franklin	5,000	56.8
Virginia	2034	Virginia	Norfolk City	78,322	77

State	ID	State	County	Value	Rate
Virginia	2079	Virginia	Halifax	4,600	39.67
Virginia	2485	Virginia	Cumberland, Prince Edward	12,390	42.33
Virginia	342	Virginia	Goochland, Henrico, Richmond City	225,000	46.67
Washington	1398	Washington	Grant	8,475	4.67
Washington	1512	Washington	Whitman	35,812	4.67
Washington	1757	Washington	Thurston	119,790	14.4
Washington	2124	Washington	Whatcom	16,150	13.2
Washington	661	Washington	Snohomish	37,650	9.6
Washington	759	Washington	Spokane	225,000	6.17
Wisconsin	115	Wisconsin	Waupaca	4,500	45.6
Wisconsin	232	Wisconsin	Manitowoc	34,500	31.5
Wisconsin	2530	Wisconsin	Dane	106,791	15.6
Wisconsin	2532	Wisconsin	Dane	83,127	6.2
Wisconsin	331	Wisconsin	Racine	139,000	20.2
Wisconsin	364	Wisconsin	Sheboygan	70,000	26
West Virginia	1418	West Virginia	Marion	610	N/A
West Virginia	1865	West Virginia	Cabell	4,050	33.57
West Virginia	2551	West Virginia	Boone	4,555	N/A
West Virginia	2554	West Virginia	Wood	48,050	26.33
West Virginia	2558	West Virginia	Monongalia	48,328	17.7
West Virginia	2560	West Virginia	Doddridge	564	N/A
West Virginia	961	West Virginia	Harrison	1,853	N/A
Alabama	1664	Alabama	Jefferson	95,000	43.43
California	1219	California	Lake	9,000	37.67
California	1678	California	Santa Cruz	160,000	26.83
California	1679	California	Santa Cruz	160,000	33.29
California	1687	California	Sonoma	65,000	11.33
California	1693	California	Los Angeles	3,500,000	14.57
California	1720	California	Contra Costa	100,000	45.29
California	1789	California	Orange	48,000	31.14
California	1792	California	Orange	129,000	10.14
California	1872	California	Alameda	229,476	34.6
California	1892	California	San Diego	2,200,000	4.29
California	1896	California	Santa Barbara	69,290	10.57
California	1898	California	Monterey	262,000	20.33
California	1911	California	Solano	121,000	14.57
California	1912	California	Sonoma	28,000	35.83
California	2405	California	Mono	35,000	14.43
California	353	California	Santa Clara	1,500,000	17.73
California	383	California	Sacramento	1,480,000	39.86
California	393	California	San Mateo	199,000	22.36
California	834	California	Riverside	91,765	23.14
Colorado	1901	Colorado	Douglas	35,000	17

Florida	1702	Florida	Orange, Pinellas	94,218	21.27
Florida	1840	Florida	Miami-Dade	776,150	31.86
Florida	1868	Florida	Miami-Dade	829,725	16.57
Georgia	1692	Georgia	Fulton	84,486	35
Georgia	1714	Georgia	Chattahoochee, Muscogee	278,000	41.8
Hawaii	2302	Hawaii	Honolulu	44,000	19
Hawaii	2610	Hawaii	Honolulu	90,000	8.86
Kentucky	1899	Kentucky	Jefferson	423,913	40.86
Louisiana	2617	Louisiana	Orleans	333,406	11.63
Massachusetts	2032	Massachusetts	Worcester	250,000	34.14
Michigan	1909	Michigan	Grand Traverse	30,623	44.29
Minnesota	1883	Minnesota	Blue Earth, Nicollet	70,000	17
North Carolina	1894	North Carolina	Lenoir	25,000	15.83
Nebraska	2620	Nebraska	Lancaster	240,000	13
New Hampshire	1880	New Hampshire	Strafford	30,000	48
New Jersey	2209	New Jersey	Monmouth	50,000	48
New Jersey	788	New Jersey	Essex, Bergen, Hudson, Union, Passaic	1,500,000	25.14
Ohio	1810	Ohio	Portage, Summit	365,000	38.86
Texas	1673	Texas	Dallas	200,000	36.43
Texas	1683	Texas	Dallas	186,000	47
Texas	1765	Texas	Wichita	90,000	27
Texas	1948	Texas	Montgomery	70,000	14.71
Virginia	1908	Virginia	Carroll	3,000	40.33
Vermont	2108	Vermont	Chittenden	16,000	23.2
Wisconsin	2621	Wisconsin	Marathon	44,000	32.29

Data Table for COVID-19 Wastewater Viral Activity Level Over Time   −

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Date ⬍		Viral Activity Level	⬍
2022-01-01		16.81	
2022-01-08		23.6	
2022-01-15		22.79	
2022-01-22		19.33	
2022-01-29		14.2	
2022-02-05		9.16	
2022-02-12		5.75	
2022-02-19		3.72	
2022-02-26		2.47	
2022-03-05		1.62	
2022-03-12		1.35	

Date	Value
2022-03-19	1.12
2022-03-26	1.23
2022-04-02	1.18
2022-04-09	1.54
2022-04-16	2.03
2022-04-23	3.04
2022-04-30	3.88
2022-05-07	4.95
2022-05-14	5.56
2022-05-21	6.58
2022-05-28	7.14
2022-06-04	6.91
2022-06-11	6.7
2022-06-18	6.62
2022-06-25	7.01
2022-07-02	7.76
2022-07-09	9.07
2022-07-16	8.71
2022-07-23	9.28
2022-07-30	8.82
2022-08-06	7.85
2022-08-13	7.21
2022-08-20	6.77
2022-08-27	6.38
2022-09-03	5.7
2022-09-10	5.43
2022-09-17	5.01
2022-09-24	4.52
2022-10-01	3.69
2022-10-08	3.33
2022-10-15	3.34
2022-10-22	3.3
2022-10-29	3.91
2022-11-05	3.95
2022-11-12	3.96
2022-11-19	4.48
2022-11-26	5.28
2022-12-03	8.32
2022-12-10	8.39
2022-12-17	8.84
2022-12-24	9.3
2022-12-31	10.49
2023-01-07	8.21

2023-01-14	5.91
2023-01-21	5.55
2023-01-28	5.74
2023-02-04	6.06
2023-02-11	6.02
2023-02-18	6.22
2023-02-25	5.78
2023-03-04	5.11
2023-03-11	4.31
2023-03-18	4.5
2023-03-25	4.46
2023-04-01	3.38
2023-04-08	2.84
2023-04-15	2.69
2023-04-22	2.12
2023-04-29	1.85
2023-05-06	1.97
2023-05-13	1.92
2023-05-20	1.64
2023-05-27	1.51
2023-06-03	1.26
2023-06-10	1.11
2023-06-17	1.13
2023-06-24	1.13
2023-07-01	1.3
2023-07-08	1.51
2023-07-15	1.65
2023-07-22	1.92
2023-07-29	2.38
2023-08-05	2.82
2023-08-12	3.66
2023-08-19	3.94
2023-08-26	4.39
2023-09-02	5.08
2023-09-09	5.72
2023-09-16	5.14
2023-09-23	4.7
2023-09-30	4.44
2023-10-07	3.77
2023-10-14	3.27
2023-10-21	3.38
2023-10-28	3.5
2023-11-04	3.69

2023-11-11	4.08
2023-11-18	4.73
2023-11-25	5.21
2023-12-02	6.83
2023-12-09	7.5
2023-12-16	8.86
2023-12-23	10.55
2023-12-30	12.49
2024-01-06	11.56
2024-01-13	9.04
2024-01-20	7.42
2024-01-27	7.04
2024-02-03	5.99
2024-02-10	5.97
2024-02-17	5.65
2024-02-24	5.26
2024-03-02	4.21
2024-03-09	3.23
2024-03-16	2.35
2024-03-23	1.96
2024-03-30	1.82
2024-04-06	1.64

Terms to Know

Virus levels: SARS-CoV-2 viral RNA concentrations in wastewater. RNA is the virus's genetic material.

Normalization: A statistical method to account for differences in variables such as wastewater flow rate and number of people served by a sewer system. In other words, normalization reduces excess variation (or "noise") and helps account for things like changing population sizes or weather events that can impact wastewater. Normalized data can be compared over time and between different sites. Metrics presented on this page are based on SARS-CoV-2 viral RNA concentrations in wastewater that have been normalized. See the NWSS Data Analytics page for more information.

Sewershed: The geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries. Sewersheds are referred to as "sites" on the map.

About the Data

[†]Data will update weekly on Friday as soon as they are reviewed and verified, oftentimes before 8 pm ET. Updates will occur the following day when reporting coincides with a federal holiday. Note: Weekly updates might be delayed due to delays in reporting.

COVID-19 Wastewater Viral Activity Level Over Time

- For more information, see About the Data on https://www.cdc.gov/nwss/rv/COVID19-nationaltrend.html.

Current virus levels in wastewater by site

- This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past levels at the same site. It is calculated by first ordering the SARS-CoV-2 levels in wastewater for all samples collected since December 1, 2021 from the lowest to highest level. The ordered levels are then grouped into five categories (0-19%, 20-39%, 40-59%, 60-79%, and 80-100%) based on how low or high their levels are compared to previous levels. The levels in the 0-19% group represent the lowest levels seen at that sampling site and those in the 80-100% group represent the highest.

- Using December 1, 2021 as a starting date for all sites makes data more comparable between sites. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that have been reporting data since December 1, 2021 or earlier because the data history for these new sites is not long enough to reflect the same surges as the other sites.
- The "New site" category means a site just started collecting wastewater samples and has reported fewer than 10 samples, which is not enough samples to meaningfully compare levels at the site over time.

Percent change in the last 15 days

- This metric shows how much normalized SARS-CoV-2 viral levels in wastewater at each site increased or decreased during the current 15-day time period. This metric does not show overall levels of SARS-CoV-2 in wastewater. Percent change compares past data to current data to show changing trends. A large percent increase does not necessarily mean SARS-CoV-2 viral levels in wastewater are high. For instance, a change from 1 unit to 2 units would be a percent change of 100%. A change from 500,000 units to 1 million units is also a percent change of 100%.
- Percent change is calculated as the modeled change over 15 days, based on linear regression of log-transformed SARS-CoV-2 levels. A site must report at least 2 samples over the 15-day period to calculate percent change. Sites with "No recent data" (colored gray on the map) reported fewer than 2 samples for the current 15-day period.

Percent of wastewater samples with detectable virus in the last 15 days

- This metric shows the percent of wastewater samples at each site that were positive for SARS-CoV-2 RNA over the last 15 days. It does not show overall levels of SARS-CoV-2 in wastewater.
- This metric is calculated by dividing the number of samples in which SARS-CoV-2 was detected at a site by the total number of samples collected for the site during the 15-day period and multiplying by 100.
- Sites with at least one sample and no SARS-CoV-2 viral detections over the past 15 days are listed as "Non-detects" and are shown on the map as hollow circles with a black outline.
- Sites with no samples for the current 15-day period are listed as "No recent data" and colored gray on the map.

SARS-CoV-2 concentrations in wastewater over time

- When a site is selected, a smoothed, spline fit SARS-CoV-2 concentration line is shown for the last 4 months, as data are available. The smoothed SARS-CoV-2 concentration line shows how SARS-CoV-2 concentrations in wastewater at a sampling site have changed over the last 4 months.
- At least 4 samples are required to produce the smoothed SARS-CoV-2 concentration line. If a major change in laboratory methods is reported, only data since the new laboratory method was reported are shown. Sites labeled as 'New sites' in the current virus levels in wastewater metric should be viewed with caution since they have only a few samples to generate their trends lines.

Category change in the last 7 days

- This metric shows the change in the number of sites (represented as a percent) that are in a specific metric category (for example, the 15-day percent change category of 1000% or more) compared to the previous 7 days. In other words, it shows how many sites have been added or removed from the metric category in the past week. It is calculated by subtracting the current number of sites in each metric category from the number of sites in the same category 7 days earlier and dividing by the number of sites in the same category 7 days earlier.
- **If a metric category had no sites in it 7 days earlier, the category change in the last 7 days is listed as "N/A**" since you cannot divide by 0.

County-level data

- Data are presented by sewershed (the geographic area contributing wastewater to a sampling location). Sampling locations may be at wastewater treatment plants or upstream in the sewage network. Sewersheds may cross county or state boundaries. This means multiple sewersheds may serve a single county, and a single sewershed may serve multiple counties. Sewersheds are referred to as "sites" on the map.

Sewershed locations

- Data are plotted in the ZIP code of the sampling location, so points on the map do not correspond exactly to sampling locations.
- All counties represented by a sampling location are highlighted when the sampling location point is selected.
- The District of Columbia (DC) and New York City (NYC) are shown separately on the map to denote sampling locations within DC and NYC. In the "State or Territory" dropdown menu, select "District of Columbia" or "New York City" to zoom to points reported within that jurisdiction. Please note some DC sampling locations may receive wastewater from parts of counties in Virginia or Maryland and some NYC sampling locations may receive wastewater from parts of counties in surrounding states.

Data subject to change

- Wastewater disease surveillance data presented are the best available data and are subject to change. These data may be incomplete for the most recent 15-day period due to processing and reporting delays. All data are provisional.

May 2022 Coverage Limitations

- Beginning April 15, 2022, approximately 150 wastewater sites in 29 states began transitioning to a new wastewater testing provider. During this transition, these sites will not have recent data displayed and will be colored gray on the map. It will take several weeks for enough data to be collected to calculate the metrics displayed on this page. Results for these sites are expected to be available again between mid-May and June 2022.

Data not shown

- Data from sewersheds that serve fewer than 3,000 people.
- Data from sewersheds where population estimates are missing.
- Data from facility or institution-specific sampling locations.
- Wastewater treatment plant names and the names of upstream sampling sites are made anonymous using a consistent, arbitrary number.
- Approximately 20% of U.S. households are on septic systems; the exact percent varies by location. These systems do not connect to wastewater treatment plants where sampling often occurs. Therefore, households on septic systems are not represented in the data.
- Data from sewersheds currently being monitored but not submitted by health departments to CDC. Certain communities collect wastewater samples but do not submit their data to CDC.
- Data from sewersheds may not be presented if there are data quality issues.

Data source

- Data displayed are derived from two sources:
- Data are submitted to CDC by state, tribal, local, and territorial (STLT) health departments participating in the National Wastewater Surveillance System. Participation is voluntary, so not all jurisdictions are reporting to CDC.
- Data are reported through a CDC-managed contract for commercial testing, which is intended to supplement the geographic coverage of the STLT wastewater surveillance programs.

Laboratory methods

- SARS-CoV-2 concentrations in wastewater are measured using reverse transcription quantitative polymerase chain reaction (RT-qPCR) or reverse transcription digital polymerase chain reaction (RT-dPCR). Laboratory processing and quantification methods may vary between sampling sites or, less commonly, within a sampling site over time. Since SARS-CoV-2 concentration estimates may differ across these lab methods, concentration values should not be compared across sampling locations. Instead, percent change in SARS-CoV-2 concentrations and current levels compared to past levels at the same site are provided. These metrics are more comparable across lab methods. When testing a sample, SARS-CoV-2 is considered detected when any PCR replicates for the sample were positive. Positive is defined for RT-qPCR as a Ct value less than 40 and for RT-ddPCR as 3 or more positive droplets/partitions. Learn more on the Wastewater Surveillance Testing Methods page.

Data download

- These data can be downloaded from data.cdc.gov: NWSS Public SARS-CoV-2 Wastewater Metric Data and NWSS Public SARS-CoV-2 Concentration in Wastewater Data
- The data dictionary for these data (Public Analytics Data Dictionary) is also available.
- To request detailed wastewater data, including a full-time history of raw concentrations, email nwss@cdc.gov with the subject line 'NWSS public data request.' You will be required to sign a data use agreement.

How does wastewater surveillance work?

Wastewater data can show changes in disease trends 4 to 6 days before those changes in trends are seen in clinical cases, and a single wastewater sample captures the infection status of thousands to millions of individuals. Learn more: National Wastewater Surveillance System (NWSS).

If it looks like virus levels in wastewater are rising in my community, what should I do?

Check your county's COVID-19 Community Level and follow the recommended prevention steps.

Public health officials watch for sustained increasing levels of the virus in wastewater and use these data to inform public health decisions. State and local health officials track a variety of data and put this information together to understand the local COVID-

19 situation and decide how to best respond.

How do I build NWSS in my community?

Wastewater-based disease surveillance is an exciting new tool to help communities monitor their health. Find information on what to consider when implementing a wastewater-based disease surveillance system.

Is there wastewater sampling in my community?

New sampling sites are being added over time as health departments begin sampling and reporting wastewater surveillance data. Some communities not represented on this dashboard may be conducting wastewater surveillance. If you would like to know if wastewater surveillance is happening in your community, contact your health department or local government. At this time, CDC does not release the names of the wastewater treatment plants or zip codes where sampling sites are located. However, information on the counties served by the wastewater sampling sites is provided.

Cite COVID Data Tracker

Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: U.S. Department of Health and Human Services, CDC; 2024, April 18. https://covid.cdc.gov/covid-data-tracker

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