

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
New Jersey	201/551	2043	4Q	2042	1Q	2040	1Q	2041	4Q	2045	3Q	2048	1Q	7Q	a
District of Columbia	202/771	2051	3Q	2058	1Q	2054	1Q	2058	3Q	2021	4Q	2021	3Q	-26Q	b
Connecticut	203/475	2047	3Q	2043	4Q	2039	1Q	2040	3Q	2049	1Q	2046	3Q	15Q	a
Canada	204/431/584	2032	4Q	2032	4Q	2034	3Q	2034	3Q			2035	1Q	N/C	c
Alabama	205/659	2044	4Q	2043	2Q	2039	2Q	2036	3Q	2035	4Q	2036	1Q	6Q	a
Washington	206	2026	1Q	2025	4Q	2025	4Q	2025	3Q	2026	1Q	2025	4Q	1Q	a
Maine	207	2032	4Q	2029	2Q	2027	1Q	2025	2Q	2025	1Q	2024	4Q	14Q	a
Idaho	208/986	2039	2Q	2039	4Q	2037	1Q	2039	1Q	2042	3Q	2044	4Q	-2Q	b
California	209/350	2052	3Q	2047	3Q	2022	4Q	2022	4Q	2022	4Q	2022	4Q	20Q	a
Texas	210/726	2050	4Q	2054	4Q	2053	3Q	2055	2Q	2058	4Q	2063	4Q	-16Q	b
New York	212/332/646	2050	1Q	2047	3Q	2051	3Q	2051	3Q	2049	4Q	2050	2Q	10Q	a
California	213/323	2026	2Q	2025	2Q	2025	2Q	2025	2Q	2026	2Q	2026	3Q	4Q	a
Texas	214/469/945/972	2033	2Q	2031	4Q	2031	2Q	2031	1Q	2031	4Q	2032	1Q	6Q	a
Pennsylvania	215/267/445	2042	3Q	2040	4Q	2041	2Q	2043	4Q	2055	3Q	2054	2Q	7Q	a
Ohio	216	2042	1Q	2039	4Q	2035	3Q	2032	2Q	2038	1Q	2038	3Q	9Q	a
Illinois	217/447	2039	4Q	2039	2Q	2035	4Q	2035	3Q	2035	1Q	2078	1Q	2Q	a
Minnesota	218	2028	2Q	2028	4Q	2026	4Q	2028	2Q	2029	1Q	2031	3Q	-2Q	b
Indiana	219	2048	1Q	2048	2Q	2042	2Q	2041	4Q	2043	4Q	2046	4Q	-1Q	b
Ohio	220/740	2049	4Q	2050	3Q	2052	2Q	2048	4Q	2051	3Q	2086	1Q	-3Q	b
Pennsylvania	223/717	2040	2Q	2038	2Q	2036	2Q	2036	3Q	2038	2Q	2043	4Q	8Q	a
Illinois	224/847	2033	1Q	2031	2Q	2030	2Q	2030	2Q	2033	1Q	2036	1Q	7Q	a
Louisiana	225	2039	2Q	2038	1Q	2037	2Q	2039	1Q	2048	4Q	2062	1Q	5Q	a
Canada	226/382/519/548	2030	2Q	2030	2Q	2033	1Q	2033	1Q			2034	3Q	N/C	c
Maryland	227/240/301	2042	2Q	2023	2Q	2023	2Q	2023	4Q	2023	4Q	2024	4Q	76Q	f
Mississippi	228	2095	3Q	2105	1Q	2093	3Q	2096	3Q	2102	2Q	2104	1Q	-38Q	b
Georgia	229	2030	2Q	2031	2Q	2030	3Q	2030	2Q	2030	2Q	2034	3Q	-4Q	b
Michigan	231	2035	2Q	2034	2Q	2030	4Q	2030	3Q	2034	3Q	2048	3Q	4Q	a
Ohio	234/330	2039	1Q	2037	4Q	2036	1Q	2035	1Q	2038	4Q	2045	2Q	5Q	a
Canada	236/250/604/672/778	2030	3Q	2030	3Q	2034	4Q	2034	4Q			2040	2Q	N/C	c

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Florida	239	2035	2Q	2036	1Q	2035	3Q	2035	2Q	2040	2Q	2040	4Q	-3Q	b
Michigan	248/947	2051	4Q	2050	2Q	2046	1Q	2049	3Q	2053	4Q	2060	4Q	6Q	a
Canada	249/683/705	2040	4Q	2040	4Q	2032	2Q	2032	2Q			2042	3Q	N/C	c
Alabama	251	2035	4Q	2033	4Q	2033	2Q	2034	2Q	2036	3Q	2041	1Q	8Q	a
North Carolina	252	2030	1Q	2031	1Q	2032	4Q	2031	3Q	2030	4Q	2036	3Q	-4Q	b
Washington	253	2052	3Q	2051	1Q	2052	2Q	2052	1Q	2052	1Q	2058	2Q	6Q	a
Texas	254	2030	4Q	2030	4Q	2028	4Q	2027	4Q	2028	3Q	2029	4Q	N/C	
Alabama	256/938	2043	3Q	2044	2Q	2040	4Q	2042	4Q	2045	4Q	2050	3Q	-3Q	b
Indiana	260	2045	3Q	2043	3Q	2043	3Q	2044	3Q	2049	2Q	2057	1Q	8Q	a
Wisconsin	262	2036	1Q	2034	1Q	2034	2Q	2031	4Q	2033	3Q	2039	4Q	8Q	a
Canada	263/438/514	2033	3Q	2033	3Q	2035	2Q	2035	2Q			2036	4Q	N/C	c
Michigan	269	2037	1Q	2036	1Q	2034	3Q	2034	4Q	2041	3Q	2055	3Q	4Q	a
Kentucky	270/364	2070	4Q	2072	1Q	2066	4Q	2074	2Q	2082	2Q	2102	1Q	-5Q	b
Pennsylvania	272/570	2037	4Q	2037	4Q	2036	2Q	2037	3Q	2043	1Q	2053	3Q	N/C	
Wisconsin	274/920	2069	1Q	2024	4Q	2024	1Q	2023	4Q	2024	3Q	2027	1Q	177Q	f
Virginia	276	2045	3Q	2047	3Q	2044	3Q	2044	4Q	2051	3Q	2054	1Q	-8Q	b
California	279/916	2051	4Q	2047	1Q	2044	4Q	2045	1Q	2047	3Q	2054	4Q	19Q	a
Texas	281/346/713/832	2025	3Q	2025	3Q	2026	1Q	2025	4Q	2027	1Q	2028	1Q	N/C	
Ohio	283/513	2059	4Q	2080	1Q	2023	4Q	2023	4Q	2023	4Q	2023	2Q	-81Q	b
Canada	289/365/742/905	2036	3Q	2036	3Q	2038	1Q	2038	1Q			2039	3Q	N/C	c
Delaware	302	2038	3Q	2034	2Q	2033	4Q	2033	1Q	2033	2Q	2035	1Q	17Q	a
Colorado	303/720/983	2052	2Q	2048	1Q	2049	3Q	2023	1Q	2023	2Q	2022	4Q	17Q	a
West Virginia	304/681	2032	1Q	2032	1Q	2031	1Q	2029	4Q	2030	3Q	2031	3Q	N/C	
Florida	305/645/786	2040	2Q	2023	4Q	2023	4Q	2023	4Q	2024	1Q	2024	4Q	66Q	f
Canada	306/474/639	2032	3Q	2032	3Q	2037	3Q	2037	3Q			2035	3Q	N/C	c
Wyoming	307	2044	3Q	2046	4Q	2040	4Q	2039	4Q	2041	3Q	2045	1Q	-9Q	b
Nebraska	308	2036	3Q	2034	3Q	2034	4Q	2030	2Q	2030	4Q	2040	1Q	8Q	a
Illinois	309/861	2067	3Q	2065	1Q	2024	1Q	2023	2Q	2023	4Q	2024	2Q	10Q	a
California	310/424	2039	2Q	2037	4Q	2037	3Q	2037	3Q	2045	2Q	2045	2Q	6Q	a
Illinois	312/773/872	2041	4Q	2042	1Q	2040	3Q	2041	4Q	2049	4Q	2050	1Q	-1Q	b
Michigan	313	2027	2Q	2026	2Q	2025	3Q	2025	3Q	2025	2Q	2025	3Q	4Q	a

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	
Missouri	314/557	2054	2Q	2057	1Q	2065	2Q	2022	3Q	2022	3Q	2023	2Q	-11Q	b
New York	315/680	2041	3Q	2040	4Q	2041	4Q	2038	2Q	2039	2Q	2053	4Q	3Q	a
Kansas	316	2072	4Q	2076	3Q	2053	4Q	2050	4Q	2056	2Q	2075	2Q	-15Q	b
Indiana	317/463	2049	2Q	2048	2Q	2044	3Q	2045	1Q	2048	1Q	2052	2Q	4Q	a
Louisiana	318	2026	1Q	2026	1Q	2026	1Q	2026	2Q	2028	1Q	2030	2Q	N/C	
Iowa	319	2035	4Q	2037	2Q	2034	4Q	2042	1Q	2047	1Q	2050	3Q	-6Q	b
Minnesota	320	2044	1Q	2043	4Q	2038	4Q	2041	3Q	2042	3Q	2045	4Q	1Q	a
Florida	321/407/689	2040	3Q	2040	3Q	2039	4Q	2039	1Q	2043	4Q	2070	4Q	N/C	
Florida	321A	2040	2Q	2039	3Q	2040	1Q	2041	4Q	2049	2Q	2078	3Q	3Q	a,g
Texas	325	2052	3Q	2057	1Q	2050	4Q	2045	2Q	2043	3Q	2049	3Q	-18Q	b
Ohio	326/937	2059	3Q	2057	3Q	2052	3Q	2051	2Q	2057	2Q	2067	2Q	8Q	a
New York	329/845	2050	1Q	2059	4Q	2024	3Q	2023	4Q	2023	3Q	2024	3Q	-39Q	b
Illinois	331/630	2059	1Q	2055	2Q	2053	1Q	2057	4Q	2063	4Q	2073	4Q	15Q	a
Alabama	334	2026	3Q	2026	3Q	2026	2Q	2025	3Q	2025	4Q	2026	2Q	N/C	
North Carolina	336/743	2045	1Q	2043	4Q	2042	4Q	2044	4Q	2052	2Q	2055	4Q	5Q	a
Louisiana	337	2038	3Q	2037	4Q	2037	1Q	2042	4Q	2052	1Q	2054	1Q	3Q	a
Massachusetts	339/781	2096	3Q	2095	2Q	2071	3Q	2073	1Q	2087	1Q	2122	1Q	5Q	a
Virgin Islands	340	2085	1Q	2089	1Q	2089	3Q	2090	1Q	2090	1Q	2097	1Q	-16Q	b
California	341/510	2057	4Q	2056	1Q	2052	4Q	2051	2Q	2057	4Q	2063	2Q	7Q	a
Canada	343/613/753	2039	1Q	2039	1Q	2033	4Q	2033	4Q			2032	2Q	N/C	c
New York	347/718/929	2027	1Q	2027	2Q	2027	2Q	2027	2Q	2028	2Q	2028	4Q	-1Q	b
Massachusetts	351/978	2070	1Q	2066	1Q	2055	3Q	2057	1Q	2064	2Q	2102	2Q	16Q	a
Florida	352	2027	3Q	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2028	3Q	-1Q	b
Wisconsin	353/608	2055	2Q	2024	3Q	2024	1Q	2024	1Q	2025	2Q	2025	1Q	123Q	f
Canada	354/450/579	2037	1Q	2037	1Q	2024	3Q	2024	3Q			2046	2Q	N/C	c
Washington	360/564	2059	1Q	2058	2Q	2058	4Q	2062	4Q	2066	4Q	2078	3Q	3Q	a
Texas	361	2048	1Q	2044	4Q	2040	1Q	2040	1Q	2039	4Q	2049	1Q	13Q	a
New York	363/516	2064	2Q	2067	4Q	2024	1Q	2023	2Q	2023	2Q	2023	3Q	-14Q	b
Canada	368/403/587/780/ 825	2037	3Q	2037	3Q	2038	2Q	2038	2Q			2041	1Q	N/C	c
California	369/707	2070	4Q	2076	3Q	2023	1Q	2023	1Q	2023	1Q	2023	4Q	-23Q	b

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Ohio	380/614	2060	3Q	2062	3Q	2062	1Q	2057	2Q	2060	1Q	2078	3Q	-8Q	b
Utah	385/801	2031	1Q	2032	1Q	2032	1Q	2031	3Q	2032	4Q	2034	3Q	-4Q	b
Florida	386	2044	2Q	2043	3Q	2040	4Q	2039	1Q	2039	4Q	2045	3Q	3Q	a
Rhode Island	401	2056	1Q	2057	3Q	2050	3Q	2045	4Q	2053	3Q	2068	3Q	-6Q	b
Nebraska	402/531	2043	4Q	2044	4Q	2047	4Q	2048	1Q	2045	4Q	2052	1Q	-4Q	b
Georgia	404/470/678/770/ 943	2031	4Q	2030	3Q	2030	1Q	2030	2Q	2022	2Q	2022	2Q	5Q	a
Oklahoma	405/572	2052	3Q	2053	3Q	2049	3Q	2050	2Q	2050	2Q	2022	2Q	-4Q	b
Montana	406	2031	2Q	2032	3Q	2031	4Q	2028	4Q	2027	3Q	2028	2Q	-5Q	b
California	408/669	2053	2Q	2048	3Q	2047	3Q	2052	3Q	2055	3Q	2061	1Q	19Q	a
Texas	409	2047	2Q	2047	3Q	2045	1Q	2044	1Q	2047	1Q	2055	1Q	-1Q	b
Maryland	410/443/667	2031	4Q	2031	3Q	2029	4Q	2030	1Q	2031	4Q	2040	1Q	1Q	a
Pennsylvania	412/724/878	2042	1Q	2041	2Q	2039	3Q	2041	1Q	2043	2Q	2046	3Q	3Q	a
Massachusetts	413	2034	4Q	2032	4Q	2029	2Q	2029	2Q	2030	2Q	2041	1Q	8Q	a
Wisconsin	414	2059	2Q	2051	1Q	2048	1Q	2046	4Q	2048	1Q	2049	4Q	33Q	a
California	415/628	2071	4Q	2064	1Q	2064	1Q	2059	1Q	2059	3Q	2063	1Q	31Q	a
Canada	416/437/647	2041	4Q	2041	4Q	2035	3Q	2035	3Q			2038	1Q	N/C	c
Missouri	417	2031	3Q	2030	2Q	2029	3Q	2028	3Q	2028	1Q	2027	4Q	5Q	a
Canada	418/581/367	2035	2Q	2035	2Q	2037	3Q	2037	3Q			2037	3Q	N/C	c
Ohio	419/567	2038	2Q	2038	3Q	2036	2Q	2037	1Q	2039	1Q	2045	2Q	-1Q	b
Tennessee	423	2025	3Q	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2027	4Q	N/C	
Washington	425	2035	1Q	2033	3Q	2034	1Q	2033	3Q	2035	2Q	2040	1Q	6Q	a
Canada	428/506	2024	3Q	2024	3Q	2024	4Q	2024	4Q			2024	1Q	N/C	c
Texas	430/903	2040	1Q	2039	3Q	2038	1Q	2036	4Q	2037	1Q	2040	1Q	2Q	a
Texas	432	2072	1Q	2070	1Q	2063	4Q	2055	1Q	2054	3Q	2070	3Q	8Q	a
Virginia	434	2039	4Q	2038	2Q	2034	4Q	2034	3Q	2034	3Q	2035	4Q	6Q	a
Utah	435	2044	1Q	2043	3Q	2040	4Q	2038	1Q	2044	1Q	2052	2Q	2Q	a
Ohio	440	2026	2Q	2025	2Q	2024	3Q	2024	3Q	2025	2Q	2030	1Q	4Q	a
California	442/760	2036	3Q	2036	1Q	2034	1Q	2033	4Q	2035	4Q	2036	3Q	2Q	a
Florida	448/850	2048	1Q	2052	4Q	2056	4Q	2050	1Q	2053	2Q	2021	3Q	-19Q	b
Oregon	458/541	2045	3Q	2044	4Q	2040	3Q	2044	2Q	2055	4Q	2062	4Q	3Q	a

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Illinois	464/708	2057	1Q	2060	3Q	2056	1Q	2062	1Q	2022	1Q	2022	1Q	-14Q	b
Canada	468/819/873	2043	1Q	2043	1Q	2034	3Q	2034	3Q			2034	3Q	N/C	c
North Carolina	472/910	2051	1Q	2055	2Q	2064	1Q	2023	1Q	2022	4Q	2023	2Q	-17Q	b
Georgia	478	2046	4Q	2048	2Q	2046	2Q	2045	4Q	2046	3Q	2062	1Q	-6Q	b
Arkansas	479	2037	2Q	2039	1Q	2035	1Q	2033	3Q	2033	1Q	2035	1Q	-7Q	b
Arizona	480/602/623	2034	4Q	2023	4Q	2023	4Q	2024	1Q	2024	1Q	2024	1Q	44Q	h
Pennsylvania	484/610/835	2055	3Q	2056	4Q	2065	1Q	2022	4Q	2023	2Q	2023	2Q	-5Q	b
Arkansas	501	2035	1Q	2032	3Q	2031	1Q	2029	4Q	2030	4Q	2033	1Q	10Q	a
Kentucky	502	2028	4Q	2028	4Q	2027	3Q	2027	4Q	2031	2Q	2036	2Q	N/C	
Oregon	503/971	2039	3Q	2038	2Q	2037	2Q	2039	3Q	2041	3Q	2042	2Q	5Q	a
Louisiana	504	2061	4Q	2058	2Q	2058	1Q	2057	2Q	2065	2Q	2061	2Q	14Q	a
New Mexico	505	2029	2Q	2028	4Q	2029	2Q	2030	1Q	2030	2Q	2032	4Q	2Q	a
Minnesota	507	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	2Q	2025	4Q	N/C	
Massachusetts	508/774	2036	4Q	2033	1Q	2030	1Q	2029	3Q	2029	4Q	2041	4Q	15Q	a
Washington	509	2027	2Q	2026	4Q	2027	1Q	2026	2Q	2025	1Q	2024	3Q	2Q	a
Texas	512/737	2038	3Q	2035	3Q	2035	2Q	2034	4Q	2036	2Q	2036	3Q	12Q	a
Iowa	515	2039	1Q	2037	3Q	2034	3Q	2036	2Q	2038	4Q	2037	4Q	6Q	a
Michigan	517	2037	3Q	2037	4Q	2033	4Q	2033	3Q	2038	1Q	2048	3Q	-1Q	b
New York	518/838	2043	2Q	2041	3Q	2036	4Q	2034	2Q	2031	4Q	2042	3Q	7Q	a
Arizona	520	2027	4Q	2028	1Q	2027	1Q	2026	4Q	2029	3Q	2030	1Q	-1Q	b
California	530	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2028	2Q	2029	3Q	N/C	
Wisconsin	534/715	2059	4Q	2061	3Q	2055	3Q	2054	4Q	2058	3Q	2071	2Q	-7Q	b
Oklahoma	539/918	2047	1Q	2042	4Q	2038	3Q	2040	1Q	2048	2Q	2053	3Q	17Q	a
Virginia	540/826	2046	2Q	2045	1Q	2044	3Q	2022	2Q	2022	2Q	2022	2Q	5Q	a
California	559	2025	3Q	2025	3Q	2025	3Q	2025	4Q	2029	3Q	2034	1Q	N/C	
Florida	561/728	2047	3Q	2047	4Q	2023	4Q	2023	3Q	2023	3Q	2024	3Q	-1Q	b
California	562	2030	2Q	2030	2Q	2031	3Q	2031	2Q	2032	3Q	2034	3Q	N/C	
Iowa	563	2054	3Q	2049	4Q	2041	1Q	2042	3Q	2047	4Q	2052	1Q	19Q	a
Virginia	571/703	2031	2Q	2031	1Q	2031	3Q	2031	2Q	2030	4Q	2031	3Q	1Q	a
Missouri	573	2024	1Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	1Q	-2Q	b
Indiana	574	2062	2Q	2059	2Q	2056	2Q	2053	4Q	2061	1Q	2067	1Q	12Q	a

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
New Mexico	575	2041	1Q	2038	3Q	2034	4Q	2038	3Q	2044	1Q	2049	2Q	10Q	a
Oklahoma	580	2028	4Q	2028	2Q	2027	3Q	2027	2Q	2029	3Q	2031	1Q	2Q	a
Pennsylvania	582/814	2042	1Q	2044	2Q	2042	4Q	2043	2Q	2050	2Q	2093	3Q	-9Q	b
New York	585	2029	3Q	2028	4Q	2027	4Q	2026	3Q	2026	2Q	2029	4Q	3Q	a
Michigan	586	2053	4Q	2056	1Q	2048	4Q	2049	1Q	2058	4Q	2090	4Q	-9Q	b
Mississippi	601/769	2041	1Q	2041	1Q	2038	3Q	2040	3Q	2048	2Q	2073	4Q	N/C	
Arizona	602			2025	4Q	2025	4Q	2025	3Q	2026	2Q	2026	2Q		h
New Hampshire	603	2027	2Q	2028	1Q	2028	2Q	2028	2Q	2028	2Q	2028	4Q	-3Q	b
South Dakota	605	2027	2Q	2026	3Q	2025	4Q	2025	3Q	2025	3Q	2027	4Q	3Q	a, i
Kentucky	606	2036	4Q	2036	4Q	2042	2Q	2043	3Q	2048	4Q	2046	2Q	N/C	
New York	607	2036	3Q	2040	1Q	2035	4Q	2033	3Q	2033	3Q	2041	3Q	-14Q	b
New Jersey	609/640	2056	2Q	2052	3Q	2054	4Q	2051	2Q	2056	3Q	2072	4Q	15Q	a
Minnesota	612	2041	3Q	2037	1Q	2038	3Q	2037	3Q	2040	2Q	2038	1Q	18Q	a
Tennessee	615/629	2045	3Q	2045	3Q	2043	4Q	2047	2Q	2058	2Q	2066	4Q	N/C	
Michigan	616	2046	3Q	2045	1Q	2039	2Q	2037	2Q	2042	3Q	2048	2Q	6Q	a
Massachusetts	617/857	2050	4Q	2045	3Q	2042	2Q	2040	3Q	2043	3Q	2052	2Q	21Q	a
Illinois	618/730	2050	4Q	2024	2Q	2024	2Q	2024	2Q	2025	4Q	2026	2Q	106Q	f
California	619/858	2032	3Q	2030	4Q	2029	3Q	2029	1Q	2030	2Q	2031	4Q	7Q	a
Kansas	620	2028	2Q	2027	2Q	2026	2Q	2027	4Q	2030	2Q	2032	4Q	4Q	a
Arizona	623			2061	2Q	2061	2Q	2064	3Q	2069	4Q	2069	4Q		h
California	626	2028	4Q	2028	1Q	2027	1Q	2027	3Q	2029	3Q	2031	3Q	3Q	a
New York	631/934	2053	2Q	2049	4Q	2045	1Q	2043	4Q	2044	2Q	2061	3Q	14Q	a
Missouri	636	2071	1Q	2064	1Q	2056	1Q	2057	4Q	2063	1Q	2078	2Q	28Q	a
Iowa	641	2043	2Q	2039	3Q	2035	2Q	2038	2Q	2039	2Q	2042	1Q	15Q	a
California	650	2030	1Q	2029	1Q	2029	3Q	2030	3Q	2034	4Q	2033	2Q	4Q	a
Minnesota	651	2067	3Q	2062	2Q	2063	1Q	2060	2Q	2055	3Q	2055	3Q	21Q	a
Florida	656/813	2052	2Q	2052	1Q	2048	2Q	2047	2Q	2022	1Q	2022	1Q	1Q	a
California	657/714	2027	1Q	2026	3Q	2026	2Q	2026	4Q	2027	4Q	2029	1Q	2Q	a, i
Missouri	660	2057	1Q	2048	3Q	2043	3Q	2040	2Q	2047	2Q	2047	2Q	34Q	a
California	661	2031	2Q	2031	3Q	2031	4Q	2031	4Q	2033	1Q	2032	4Q	-1Q	b
Mississippi	662	2026	3Q	2027	1Q	2026	2Q	2027	1Q	2033	4Q	2036	2Q	-2Q	b, i

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
CNMI	670	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2112	1Q	N/C	
Guam	671	2148	3Q	2149	1Q	2149	1Q	2150	1Q	2150	1Q	2150	1Q	-2Q	b
Texas	682/817	2038	3Q	2036	2Q	2036	4Q	2037	1Q	2038	2Q	2039	2Q	9Q	a
American Samoa	684	2180	1Q	2180	1Q	2180	1Q	2182	1Q	2185	1Q	2186	1Q	N/C	
North Dakota	701	2032	4Q	2033	1Q	2030	3Q	2028	2Q	2026	4Q	2026	1Q	-1Q	b
Nevada	702/725	2044	1Q	2042	4Q	2044	4Q	2043	4Q	2050	2Q	2055	3Q	5Q	a
North Carolina	704/980	2034	1Q	2034	2Q	2036	2Q	2036	4Q	2040	1Q	2042	2Q	-1Q	b
Georgia	706/762	2035	1Q	2034	2Q	2032	4Q	2032	2Q	2032	4Q	2042	3Q	3Q	a
Canada	709/879	2024	4Q	2024	4Q	2028	4Q	2028	4Q			2026	3Q	N/C	c
Iowa	712	2032	3Q	2033	1Q	2030	2Q	2031	2Q	2031	3Q	2032	3Q	-2Q	b
New York	716	2025	3Q	2025	2Q	2024	2Q	2024	2Q	2025	1Q	2027	1Q	1Q	a
Colorado	719	2028	2Q	2029	3Q	2028	3Q	2031	4Q	2036	1Q	2034	4Q	-5Q	b
Florida	727	2032	2Q	2030	4Q	2032	4Q	2032	2Q	2035	3Q	2036	2Q	6Q	a
Tennessee	731	2072	1Q	2086	2Q	2091	1Q	2080	4Q	2088	1Q	2089	2Q	-57Q	b
New Jersey	732/848	2046	3Q	2043	1Q	2043	4Q	2041	2Q	2043	1Q	2044	2Q	14Q	a
Michigan	734	2029	2Q	2028	3Q	2027	1Q	2028	1Q	2029	2Q	2032	4Q	3Q	a
California	747/818	2048	3Q	2045	1Q	2042	2Q	2042	4Q	2048	4Q	2050	2Q	14Q	a
Florida	754/954	2045	3Q	2043	3Q	2043	3Q	2042	4Q	2047	1Q	2052	3Q	8Q	a
Virginia	757/948	2055	4Q	2054	1Q	2047	2Q	2022	2Q	2022	1Q	2022	1Q	7Q	a
Minnesota	763	2080	1Q	2075	1Q	2069	4Q	2074	4Q	2066	4Q	2066	3Q	20Q	a
Indiana	765	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2027	4Q	2032	2Q	3Q	a
Florida	772	2064	1Q	2060	1Q	2061	4Q	2057	1Q	2060	1Q	2069	1Q	16Q	a
Nevada	775	2038	2Q	2036	3Q	2034	1Q	2038	1Q	2040	2Q	2045	1Q	7Q	a
Illinois	779/815	2037	2Q	2036	3Q	2034	1Q	2032	4Q	2033	4Q	2034	2Q	3Q	a
Canada	782/902	2040	4Q	2040	4Q	2029	2Q	2029	2Q			2029	4Q	N/C	c
Kansas	785	2029	2Q	2029	2Q	2028	3Q	2026	4Q	2027	1Q	2030	1Q	N/C	
Puerto Rico	787/939	2044	1Q	2043	3Q	2042	1Q	2043	2Q	2049	2Q	2053	2Q	2Q	a
Vermont	802	2044	4Q	2042	1Q	2036	1Q	2035	4Q	2034	4Q	2038	4Q	11Q	a
South Carolina	803/839	2042	4Q	2047	1Q	2044	3Q	2050	2Q	2052	2Q	2055	1Q	-17Q	b
Virginia	804	2025	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	3Q	4Q	a

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
California	805/820	2062	1Q	2062	2Q	2058	3Q	2063	3Q	2068	4Q	2076	2Q	-1Q	b
Texas	806	2028	4Q	2028	4Q	2027	4Q	2025	4Q	2026	3Q	2027	1Q	N/C	
Canada	807	2040	3Q	2040	3Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
Hawaii	808	2035	4Q	2033	4Q	2037	2Q	2034	1Q	2035	3Q	2040	4Q	8Q	a
Michigan	810	2048	4Q	2049	1Q	2041	3Q	2046	4Q	2049	2Q	2077	4Q	-1Q	b
Indiana	812/930	2047	1Q	2045	2Q	2042	4Q	2042	2Q	2044	3Q	2048	3Q	7Q	a
Missouri	816/975	2075	3Q	2025	1Q	2024	2Q	2024	2Q	2023	3Q	2024	3Q	202Q	f
North Carolina	828	2028	2Q	2030	1Q	2030	4Q	2030	4Q	2031	4Q	2038	1Q	-7Q	b
Texas	830	2041	2Q	2039	2Q	2039	1Q	2041	4Q	2050	3Q	2066	1Q	8Q	a
California	831	2076	2Q	2068	3Q	2070	4Q	2080	1Q	2087	4Q	2097	4Q	31Q	a
California	840/909	2051	2Q	2049	1Q	2046	2Q	2043	2Q	2046	4Q	2048	2Q	9Q	a
South Carolina	843/854	2046	4Q	2053	2Q	2048	4Q	2049	1Q	2052	4Q	2052	1Q	-26Q	b
New Jersey	856	2032	4Q	2031	3Q	2031	1Q	2030	3Q	2032	1Q	2039	4Q	5Q	a
Kentucky	859	2047	4Q	2047	2Q	2051	1Q	2053	1Q	2051	4Q	2065	3Q	2Q	a
Connecticut	860/959	2050	2Q	2047	3Q	2041	3Q	2045	1Q	2052	1Q	2058	3Q	11Q	a
New Jersey	862/973	2040	1Q	2038	1Q	2036	1Q	2035	3Q	2038	1Q	2044	1Q	8Q	a
Florida	863	2046	2Q	2045	1Q	2041	1Q	2042	4Q	2050	3Q	2064	2Q	-3Q	b
South Carolina	864	2024	3Q	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	3Q	-2Q	b
Tennessee	865	2046	1Q	2044	3Q	2041	4Q	2044	4Q	2063	4Q	2068	4Q	6Q	a
Canada	867	2043	1Q	2043	1Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
Arkansas	870	2024	2Q	2024	2Q	2024	2Q	2025	1Q	2025	1Q	2025	1Q	N/C	
Tennessee	901	2035	2Q	2033	1Q	2034	4Q	2035	1Q	2036	4Q	2038	2Q	9Q	a
Florida	904	2024	4Q	2024	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	1Q	a
Michigan	906	2096	3Q	2095	1Q	2085	1Q	2075	4Q	2087	2Q	2133	1Q	6Q	a
Alaska	907	2039	1Q	2039	3Q	2041	3Q	2039	1Q	2043	4Q	2055	3Q	-2Q	b
New Jersey	908	2028	4Q	2029	1Q	2028	1Q	2027	1Q	2028	3Q	2030	4Q	-1Q	b
Georgia	912	2028	1Q	2028	2Q	2027	4Q	2027	4Q	2028	2Q	2031	4Q	-1Q	b
Kansas	913	2047	4Q	2047	4Q	2044	4Q	2040	3Q	2042	2Q	2046	1Q	N/C	
New York	914	2029	3Q	2029	2Q	2028	1Q	2027	2Q	2027	1Q	2031	1Q	1Q	a
Texas	915	2056	3Q	2052	3Q	2053	3Q	2053	3Q	2060	4Q	2083	1Q	16Q	a
New York	917														e



# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By NPA

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	2023.1 to 2023.2	
North Carolina	919/984	2042	4Q	2044	2Q	2043	2Q	2042	4Q	2046	3Q	2049	4Q	-6Q	b
California	925	2041	4Q	2038	3Q	2037	3Q	2036	4Q	2041	3Q	2043	2Q	13Q	a
Arizona	928	2031	3Q	2030	1Q	2028	1Q	2028	2Q	2030	1Q	2030	3Q	6Q	a
Tennessee	931	2042	1Q	2046	1Q	2044	4Q	2053	2Q	2062	2Q	2062	2Q	-16Q	b
Texas	936	2053	4Q	2048	2Q	2044	1Q	2042	4Q	2043	4Q	2053	1Q	22Q	a
Texas	940	2043	2Q	2042	2Q	2040	4Q	2039	1Q	2038	2Q	2040	4Q	4Q	a
Florida	941	2043	3Q	2041	4Q	2044	3Q	2044	1Q	2048	1Q	2054	3Q	7Q	a
California	949	2027	2Q	2027	1Q	2026	3Q	2025	4Q	2026	1Q	2026	4Q	1Q	a
California	951	2030	1Q	2030	3Q	2029	3Q	2028	4Q	2030	1Q	2030	4Q	-2Q	b
Minnesota	952	2148	4Q	2119	1Q	2130	2Q	2115	2Q	2106	1Q	2098	1Q	119Q	a
Texas	956	2028	2Q	2027	4Q	2026	4Q	2027	2Q	2027	2Q	2027	3Q	2Q	a
Colorado	970	2026	1Q	2026	1Q	2026	1Q	2026	1Q	2028	2Q	2028	2Q	N/C	
Texas	979	2060	4Q	2062	1Q	2057	1Q	2056	4Q	2056	3Q	2074	2Q	-5Q	b
Louisiana	985	2057	2Q	2053	1Q	2046	2Q	2053	2Q	2060	3Q	2075	4Q	17Q	a
Michigan	989	2027	4Q	2027	4Q	2026	2Q	2026	1Q	2027	1Q	2031	2Q	N/C	

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Missouri	573	2024	1Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	1Q	-2Q	b
Arkansas	870	2024	2Q	2024	2Q	2024	2Q	2025	1Q	2025	1Q	2025	1Q	N/C	
Canada	428/506	2024	3Q	2024	3Q	2024	4Q	2024	4Q			2024	1Q	N/C	c
South Carolina	864	2024	3Q	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	3Q	-2Q	b
Canada	709/879	2024	4Q	2024	4Q	2028	4Q	2028	4Q			2026	3Q	N/C	c
Florida	904	2024	4Q	2024	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	1Q	a
Minnesota	507	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	2Q	2025	4Q	N/C	
Texas	281/346/713/832	2025	3Q	2025	3Q	2026	1Q	2025	4Q	2027	1Q	2028	1Q	N/C	
Tennessee	423	2025	3Q	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2027	4Q	N/C	
California	530	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2028	2Q	2029	3Q	N/C	
California	559	2025	3Q	2025	3Q	2025	3Q	2025	4Q	2029	3Q	2034	1Q	N/C	
New York	716	2025	3Q	2025	2Q	2024	2Q	2024	2Q	2025	1Q	2027	1Q	1Q	a
Virginia	804	2025	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	3Q	4Q	a
Washington	206	2026	1Q	2025	4Q	2025	4Q	2025	3Q	2026	1Q	2025	4Q	1Q	a
Louisiana	318	2026	1Q	2026	1Q	2026	1Q	2026	2Q	2028	1Q	2030	2Q	N/C	
Colorado	970	2026	1Q	2026	1Q	2026	1Q	2026	1Q	2028	2Q	2028	2Q	N/C	
California	213/323	2026	2Q	2025	2Q	2025	2Q	2025	2Q	2026	2Q	2026	3Q	4Q	a
Ohio	440	2026	2Q	2025	2Q	2024	3Q	2024	3Q	2025	2Q	2030	1Q	4Q	a
Alabama	334	2026	3Q	2026	3Q	2026	2Q	2025	3Q	2025	4Q	2026	2Q	N/C	
Mississippi	662	2026	3Q	2027	1Q	2026	2Q	2027	1Q	2033	4Q	2036	2Q	-2Q	b, i
New York	347/718/929	2027	1Q	2027	2Q	2027	2Q	2027	2Q	2028	2Q	2028	4Q	-1Q	b
California	657/714	2027	1Q	2026	3Q	2026	2Q	2026	4Q	2027	4Q	2029	1Q	2Q	a, i
Michigan	313	2027	2Q	2026	2Q	2025	3Q	2025	3Q	2025	2Q	2025	3Q	4Q	a
Washington	509	2027	2Q	2026	4Q	2027	1Q	2026	2Q	2025	1Q	2024	3Q	2Q	a
New Hampshire	603	2027	2Q	2028	1Q	2028	2Q	2028	2Q	2028	2Q	2028	4Q	-3Q	b
South Dakota	605	2027	2Q	2026	3Q	2025	4Q	2025	3Q	2025	3Q	2027	4Q	3Q	a, i
California	949	2027	2Q	2027	1Q	2026	3Q	2025	4Q	2026	1Q	2026	4Q	1Q	a
Florida	352	2027	3Q	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2028	3Q	-1Q	b
Arizona	520	2027	4Q	2028	1Q	2027	1Q	2026	4Q	2029	3Q	2030	1Q	-1Q	b
Indiana	765	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2027	4Q	2032	2Q	3Q	a
Michigan	989	2027	4Q	2027	4Q	2026	2Q	2026	1Q	2027	1Q	2031	2Q	N/C	

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	
Georgia	912	2028	1Q	2028	2Q	2027	4Q	2027	4Q	2028	2Q	2031	4Q	-1Q	b
Minnesota	218	2028	2Q	2028	4Q	2026	4Q	2028	2Q	2029	1Q	2031	3Q	-2Q	b
Kansas	620	2028	2Q	2027	2Q	2026	2Q	2027	4Q	2030	2Q	2032	4Q	4Q	a
Colorado	719	2028	2Q	2029	3Q	2028	3Q	2031	4Q	2036	1Q	2034	4Q	-5Q	b
North Carolina	828	2028	2Q	2030	1Q	2030	4Q	2030	4Q	2031	4Q	2038	1Q	-7Q	b
Texas	956	2028	2Q	2027	4Q	2026	4Q	2027	2Q	2027	2Q	2027	3Q	2Q	a
Kentucky	502	2028	4Q	2028	4Q	2027	3Q	2027	4Q	2031	2Q	2036	2Q	N/C	
Oklahoma	580	2028	4Q	2028	2Q	2027	3Q	2027	2Q	2029	3Q	2031	1Q	2Q	a
California	626	2028	4Q	2028	1Q	2027	1Q	2027	3Q	2029	3Q	2031	3Q	3Q	a
Texas	806	2028	4Q	2028	4Q	2027	4Q	2025	4Q	2026	3Q	2027	1Q	N/C	
New Jersey	908	2028	4Q	2029	1Q	2028	1Q	2027	1Q	2028	3Q	2030	4Q	-1Q	b
New Mexico	505	2029	2Q	2028	4Q	2029	2Q	2030	1Q	2030	2Q	2032	4Q	2Q	a
Michigan	734	2029	2Q	2028	3Q	2027	1Q	2028	1Q	2029	2Q	2032	4Q	3Q	a
Kansas	785	2029	2Q	2029	2Q	2028	3Q	2026	4Q	2027	1Q	2030	1Q	N/C	
New York	585	2029	3Q	2028	4Q	2027	4Q	2026	3Q	2026	2Q	2029	4Q	3Q	a
New York	914	2029	3Q	2029	2Q	2028	1Q	2027	2Q	2027	1Q	2031	1Q	1Q	a
North Carolina	252	2030	1Q	2031	1Q	2032	4Q	2031	3Q	2030	4Q	2036	3Q	-4Q	b
California	650	2030	1Q	2029	1Q	2029	3Q	2030	3Q	2034	4Q	2033	2Q	4Q	a
California	951	2030	1Q	2030	3Q	2029	3Q	2028	4Q	2030	1Q	2030	4Q	-2Q	b
Canada	226/382/519/548	2030	2Q	2030	2Q	2033	1Q	2033	1Q			2034	3Q	N/C	c
Georgia	229	2030	2Q	2031	2Q	2030	3Q	2030	2Q	2030	2Q	2034	3Q	-4Q	b
California	562	2030	2Q	2030	2Q	2031	3Q	2031	2Q	2032	3Q	2034	3Q	N/C	
Canada	236/250/604/672/ 778	2030	3Q	2030	3Q	2034	4Q	2034	4Q			2040	2Q	N/C	c
Texas	254	2030	4Q	2030	4Q	2028	4Q	2027	4Q	2028	3Q	2029	4Q	N/C	
Utah	385/801	2031	1Q	2032	1Q	2032	1Q	2031	3Q	2032	4Q	2034	3Q	-4Q	b
Montana	406	2031	2Q	2032	3Q	2031	4Q	2028	4Q	2027	3Q	2028	2Q	-5Q	b
Virginia	571/703	2031	2Q	2031	1Q	2031	3Q	2031	2Q	2030	4Q	2031	3Q	1Q	a
California	661	2031	2Q	2031	3Q	2031	4Q	2031	4Q	2033	1Q	2032	4Q	-1Q	b
Missouri	417	2031	3Q	2030	2Q	2029	3Q	2028	3Q	2028	1Q	2027	4Q	5Q	a
Arizona	928	2031	3Q	2030	1Q	2028	1Q	2028	2Q	2030	1Q	2030	3Q	6Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Georgia	404/470/678/770/ 943	2031	4Q	2030	3Q	2030	1Q	2030	2Q	2022	2Q	2022	2Q	5Q	a
Maryland	410/443/667	2031	4Q	2031	3Q	2029	4Q	2030	1Q	2031	4Q	2040	1Q	1Q	a
West Virginia	304/681	2032	1Q	2032	1Q	2031	1Q	2029	4Q	2030	3Q	2031	3Q	N/C	
Florida	727	2032	2Q	2030	4Q	2032	4Q	2032	2Q	2035	3Q	2036	2Q	6Q	a
Canada	306/474/639	2032	3Q	2032	3Q	2037	3Q	2037	3Q			2035	3Q	N/C	c
California	619/858	2032	3Q	2030	4Q	2029	3Q	2029	1Q	2030	2Q	2031	4Q	7Q	a
Iowa	712	2032	3Q	2033	1Q	2030	2Q	2031	2Q	2031	3Q	2032	3Q	-2Q	b
Canada	204/431/584	2032	4Q	2032	4Q	2034	3Q	2034	3Q			2035	1Q	N/C	c
Maine	207	2032	4Q	2029	2Q	2027	1Q	2025	2Q	2025	1Q	2024	4Q	14Q	a
North Dakota	701	2032	4Q	2033	1Q	2030	3Q	2028	2Q	2026	4Q	2026	1Q	-1Q	b
New Jersey	856	2032	4Q	2031	3Q	2031	1Q	2030	3Q	2032	1Q	2039	4Q	5Q	a
Illinois	224/847	2033	1Q	2031	2Q	2030	2Q	2030	2Q	2033	1Q	2036	1Q	7Q	a
Texas	214/469/945/972	2033	2Q	2031	4Q	2031	2Q	2031	1Q	2031	4Q	2032	1Q	6Q	a
Canada	263/438/514	2033	3Q	2033	3Q	2035	2Q	2035	2Q			2036	4Q	N/C	c
North Carolina	704/980	2034	1Q	2034	2Q	2036	2Q	2036	4Q	2040	1Q	2042	2Q	-1Q	b
Massachusetts	413	2034	4Q	2032	4Q	2029	2Q	2029	2Q	2030	2Q	2041	1Q	8Q	a
Arizona	480/602/623	2034	4Q	2023	4Q	2023	4Q	2024	1Q	2024	1Q	2024	1Q	44Q	h
Washington	425	2035	1Q	2033	3Q	2034	1Q	2033	3Q	2035	2Q	2040	1Q	6Q	a
Arkansas	501	2035	1Q	2032	3Q	2031	1Q	2029	4Q	2030	4Q	2033	1Q	10Q	a
Georgia	706/762	2035	1Q	2034	2Q	2032	4Q	2032	2Q	2032	4Q	2042	3Q	3Q	a
Michigan	231	2035	2Q	2034	2Q	2030	4Q	2030	3Q	2034	3Q	2048	3Q	4Q	a
Florida	239	2035	2Q	2036	1Q	2035	3Q	2035	2Q	2040	2Q	2040	4Q	-3Q	b
Canada	418/581/367	2035	2Q	2035	2Q	2037	3Q	2037	3Q			2037	3Q	N/C	c
Tennessee	901	2035	2Q	2033	1Q	2034	4Q	2035	1Q	2036	4Q	2038	2Q	9Q	a
Alabama	251	2035	4Q	2033	4Q	2033	2Q	2034	2Q	2036	3Q	2041	1Q	8Q	a
Iowa	319	2035	4Q	2037	2Q	2034	4Q	2042	1Q	2047	1Q	2050	3Q	-6Q	b
Hawaii	808	2035	4Q	2033	4Q	2037	2Q	2034	1Q	2035	3Q	2040	4Q	8Q	a
Wisconsin	262	2036	1Q	2034	1Q	2034	2Q	2031	4Q	2033	3Q	2039	4Q	8Q	a
Canada	289/365/742/905	2036	3Q	2036	3Q	2038	1Q	2038	1Q			2039	3Q	N/C	c
Nebraska	308	2036	3Q	2034	3Q	2034	4Q	2030	2Q	2030	4Q	2040	1Q	8Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
California	442/760	2036	3Q	2036	1Q	2034	1Q	2033	4Q	2035	4Q	2036	3Q	2Q	a
New York	607	2036	3Q	2040	1Q	2035	4Q	2033	3Q	2033	3Q	2041	3Q	-14Q	b
Massachusetts	508/774	2036	4Q	2033	1Q	2030	1Q	2029	3Q	2029	4Q	2041	4Q	15Q	a
Kentucky	606	2036	4Q	2036	4Q	2042	2Q	2043	3Q	2048	4Q	2046	2Q	N/C	
Michigan	269	2037	1Q	2036	1Q	2034	3Q	2034	4Q	2041	3Q	2055	3Q	4Q	a
Canada	354/450/579	2037	1Q	2037	1Q	2024	3Q	2024	3Q			2046	2Q	N/C	c
Arkansas	479	2037	2Q	2039	1Q	2035	1Q	2033	3Q	2033	1Q	2035	1Q	-7Q	b
Illinois	779/815	2037	2Q	2036	3Q	2034	1Q	2032	4Q	2033	4Q	2034	2Q	3Q	a
Canada	368/403/587/780/ 825	2037	3Q	2037	3Q	2038	2Q	2038	2Q			2041	1Q	N/C	c
Michigan	517	2037	3Q	2037	4Q	2033	4Q	2033	3Q	2038	1Q	2048	3Q	-1Q	b
Pennsylvania	272/570	2037	4Q	2037	4Q	2036	2Q	2037	3Q	2043	1Q	2053	3Q	N/C	
Ohio	419/567	2038	2Q	2038	3Q	2036	2Q	2037	1Q	2039	1Q	2045	2Q	-1Q	b
Nevada	775	2038	2Q	2036	3Q	2034	1Q	2038	1Q	2040	2Q	2045	1Q	7Q	a
Delaware	302	2038	3Q	2034	2Q	2033	4Q	2033	1Q	2033	2Q	2035	1Q	17Q	a
Louisiana	337	2038	3Q	2037	4Q	2037	1Q	2042	4Q	2052	1Q	2054	1Q	3Q	a
Texas	512/737	2038	3Q	2035	3Q	2035	2Q	2034	4Q	2036	2Q	2036	3Q	12Q	a
Texas	682/817	2038	3Q	2036	2Q	2036	4Q	2037	1Q	2038	2Q	2039	2Q	9Q	a
Ohio	234/330	2039	1Q	2037	4Q	2036	1Q	2035	1Q	2038	4Q	2045	2Q	5Q	a
Canada	343/613/753	2039	1Q	2039	1Q	2033	4Q	2033	4Q			2032	2Q	N/C	c
Iowa	515	2039	1Q	2037	3Q	2034	3Q	2036	2Q	2038	4Q	2037	4Q	6Q	a
Alaska	907	2039	1Q	2039	3Q	2041	3Q	2039	1Q	2043	4Q	2055	3Q	-2Q	b
Idaho	208/986	2039	2Q	2039	4Q	2037	1Q	2039	1Q	2042	3Q	2044	4Q	-2Q	b
Louisiana	225	2039	2Q	2038	1Q	2037	2Q	2039	1Q	2048	4Q	2062	1Q	5Q	a
California	310/424	2039	2Q	2037	4Q	2037	3Q	2037	3Q	2045	2Q	2045	2Q	6Q	a
Oregon	503/971	2039	3Q	2038	2Q	2037	2Q	2039	3Q	2041	3Q	2042	2Q	5Q	a
Illinois	217/447	2039	4Q	2039	2Q	2035	4Q	2035	3Q	2035	1Q	2078	1Q	2Q	a
Virginia	434	2039	4Q	2038	2Q	2034	4Q	2034	3Q	2034	3Q	2035	4Q	6Q	a
Texas	430/903	2040	1Q	2039	3Q	2038	1Q	2036	4Q	2037	1Q	2040	1Q	2Q	a
New Jersey	862/973	2040	1Q	2038	1Q	2036	1Q	2035	3Q	2038	1Q	2044	1Q	8Q	a
Pennsylvania	223/717	2040	2Q	2038	2Q	2036	2Q	2036	3Q	2038	2Q	2043	4Q	8Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Florida	305/645/786	2040	2Q	2023	4Q	2023	4Q	2023	4Q	2024	1Q	2024	4Q	66Q	f
Florida	321A	2040	2Q	2039	3Q	2040	1Q	2041	4Q	2049	2Q	2078	3Q	3Q	a,g
Florida	321/407/689	2040	3Q	2040	3Q	2039	4Q	2039	1Q	2043	4Q	2070	4Q	N/C	
Canada	807	2040	3Q	2040	3Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
Canada	249/683/705	2040	4Q	2040	4Q	2032	2Q	2032	2Q			2042	3Q	N/C	c
Canada	782/902	2040	4Q	2040	4Q	2029	2Q	2029	2Q			2029	4Q	N/C	c
New Mexico	575	2041	1Q	2038	3Q	2034	4Q	2038	3Q	2044	1Q	2049	2Q	10Q	a
Mississippi	601/769	2041	1Q	2041	1Q	2038	3Q	2040	3Q	2048	2Q	2073	4Q	N/C	
Texas	830	2041	2Q	2039	2Q	2039	1Q	2041	4Q	2050	3Q	2066	1Q	8Q	a
New York	315/680	2041	3Q	2040	4Q	2041	4Q	2038	2Q	2039	2Q	2053	4Q	3Q	a
Minnesota	612	2041	3Q	2037	1Q	2038	3Q	2037	3Q	2040	2Q	2038	1Q	18Q	a
Illinois	312/773/872	2041	4Q	2042	1Q	2040	3Q	2041	4Q	2049	4Q	2050	1Q	-1Q	b
Canada	416/437/647	2041	4Q	2041	4Q	2035	3Q	2035	3Q			2038	1Q	N/C	c
California	925	2041	4Q	2038	3Q	2037	3Q	2036	4Q	2041	3Q	2043	2Q	13Q	a
Ohio	216	2042	1Q	2039	4Q	2035	3Q	2032	2Q	2038	1Q	2038	3Q	9Q	a
Pennsylvania	412/724/878	2042	1Q	2041	2Q	2039	3Q	2041	1Q	2043	2Q	2046	3Q	3Q	a
Pennsylvania	582/814	2042	1Q	2044	2Q	2042	4Q	2043	2Q	2050	2Q	2093	3Q	-9Q	b
Tennessee	931	2042	1Q	2046	1Q	2044	4Q	2053	2Q	2062	2Q	2062	2Q	-16Q	b
Maryland	227/240/301	2042	2Q	2023	2Q	2023	2Q	2023	4Q	2023	4Q	2024	4Q	76Q	f
Pennsylvania	215/267/445	2042	3Q	2040	4Q	2041	2Q	2043	4Q	2055	3Q	2054	2Q	7Q	a
South Carolina	803/839	2042	4Q	2047	1Q	2044	3Q	2050	2Q	2052	2Q	2055	1Q	-17Q	b
North Carolina	919/984	2042	4Q	2044	2Q	2043	2Q	2042	4Q	2046	3Q	2049	4Q	-6Q	b
Canada	468/819/873	2043	1Q	2043	1Q	2034	3Q	2034	3Q			2034	3Q	N/C	c
Canada	867	2043	1Q	2043	1Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
New York	518/838	2043	2Q	2041	3Q	2036	4Q	2034	2Q	2031	4Q	2042	3Q	7Q	a
Iowa	641	2043	2Q	2039	3Q	2035	2Q	2038	2Q	2039	2Q	2042	1Q	15Q	a
Texas	940	2043	2Q	2042	2Q	2040	4Q	2039	1Q	2038	2Q	2040	4Q	4Q	a
Alabama	256/938	2043	3Q	2044	2Q	2040	4Q	2042	4Q	2045	4Q	2050	3Q	-3Q	b
Florida	941	2043	3Q	2041	4Q	2044	3Q	2044	1Q	2048	1Q	2054	3Q	7Q	a
New Jersey	201/551	2043	4Q	2042	1Q	2040	1Q	2041	4Q	2045	3Q	2048	1Q	7Q	a
Nebraska	402/531	2043	4Q	2044	4Q	2047	4Q	2048	1Q	2045	4Q	2052	1Q	-4Q	b

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Minnesota	320	2044	1Q	2043	4Q	2038	4Q	2041	3Q	2042	3Q	2045	4Q	1Q	a
Utah	435	2044	1Q	2043	3Q	2040	4Q	2038	1Q	2044	1Q	2052	2Q	2Q	a
Nevada	702/725	2044	1Q	2042	4Q	2044	4Q	2043	4Q	2050	2Q	2055	3Q	5Q	a
Puerto Rico	787/939	2044	1Q	2043	3Q	2042	1Q	2043	2Q	2049	2Q	2053	2Q	2Q	a
Florida	386	2044	2Q	2043	3Q	2040	4Q	2039	1Q	2039	4Q	2045	3Q	3Q	a
Wyoming	307	2044	3Q	2046	4Q	2040	4Q	2039	4Q	2041	3Q	2045	1Q	-9Q	b
Alabama	205/659	2044	4Q	2043	2Q	2039	2Q	2036	3Q	2035	4Q	2036	1Q	6Q	a
Vermont	802	2044	4Q	2042	1Q	2036	1Q	2035	4Q	2034	4Q	2038	4Q	11Q	a
North Carolina	336/743	2045	1Q	2043	4Q	2042	4Q	2044	4Q	2052	2Q	2055	4Q	5Q	a
Indiana	260	2045	3Q	2043	3Q	2043	3Q	2044	3Q	2049	2Q	2057	1Q	8Q	a
Virginia	276	2045	3Q	2047	3Q	2044	3Q	2044	4Q	2051	3Q	2054	1Q	-8Q	b
Oregon	458/541	2045	3Q	2044	4Q	2040	3Q	2044	2Q	2055	4Q	2062	4Q	3Q	a
Tennessee	615/629	2045	3Q	2045	3Q	2043	4Q	2047	2Q	2058	2Q	2066	4Q	N/C	
Florida	754/954	2045	3Q	2043	3Q	2043	3Q	2042	4Q	2047	1Q	2052	3Q	8Q	a
Tennessee	865	2046	1Q	2044	3Q	2041	4Q	2044	4Q	2063	4Q	2068	4Q	6Q	a
Virginia	540/826	2046	2Q	2045	1Q	2044	3Q	2022	2Q	2022	2Q	2022	2Q	5Q	a
Florida	863	2046	2Q	2045	1Q	2041	1Q	2042	4Q	2050	3Q	2064	2Q	-3Q	b
Michigan	616	2046	3Q	2045	1Q	2039	2Q	2037	2Q	2042	3Q	2048	2Q	6Q	a
New Jersey	732/848	2046	3Q	2043	1Q	2043	4Q	2041	2Q	2043	1Q	2044	2Q	14Q	a
Georgia	478	2046	4Q	2048	2Q	2046	2Q	2045	4Q	2046	3Q	2062	1Q	-6Q	b
South Carolina	843/854	2046	4Q	2053	2Q	2048	4Q	2049	1Q	2052	4Q	2052	1Q	-26Q	b
Oklahoma	539/918	2047	1Q	2042	4Q	2038	3Q	2040	1Q	2048	2Q	2053	3Q	17Q	a
Indiana	812/930	2047	1Q	2045	2Q	2042	4Q	2042	2Q	2044	3Q	2048	3Q	7Q	a
Texas	409	2047	2Q	2047	3Q	2045	1Q	2044	1Q	2047	1Q	2055	1Q	-1Q	b
Connecticut	203/475	2047	3Q	2043	4Q	2039	1Q	2040	3Q	2049	1Q	2046	3Q	15Q	a
Florida	561/728	2047	3Q	2047	4Q	2023	4Q	2023	3Q	2023	3Q	2024	3Q	-1Q	b
Kentucky	859	2047	4Q	2047	2Q	2051	1Q	2053	1Q	2051	4Q	2065	3Q	2Q	a
Kansas	913	2047	4Q	2047	4Q	2044	4Q	2040	3Q	2042	2Q	2046	1Q	N/C	
Indiana	219	2048	1Q	2048	2Q	2042	2Q	2041	4Q	2043	4Q	2046	4Q	-1Q	b
Texas	361	2048	1Q	2044	4Q	2040	1Q	2040	1Q	2039	4Q	2049	1Q	13Q	a
Florida	448/850	2048	1Q	2052	4Q	2056	4Q	2050	1Q	2053	2Q	2021	3Q	-19Q	b

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	
California	747/818	2048	3Q	2045	1Q	2042	2Q	2042	4Q	2048	4Q	2050	2Q	14Q	a
Michigan	810	2048	4Q	2049	1Q	2041	3Q	2046	4Q	2049	2Q	2077	4Q	-1Q	b
Indiana	317/463	2049	2Q	2048	2Q	2044	3Q	2045	1Q	2048	1Q	2052	2Q	4Q	a
Ohio	220/740	2049	4Q	2050	3Q	2052	2Q	2048	4Q	2051	3Q	2086	1Q	-3Q	b
New York	212/332/646	2050	1Q	2047	3Q	2051	3Q	2051	3Q	2049	4Q	2050	2Q	10Q	a
New York	329/845	2050	1Q	2059	4Q	2024	3Q	2023	4Q	2023	3Q	2024	3Q	-39Q	b
Connecticut	860/959	2050	2Q	2047	3Q	2041	3Q	2045	1Q	2052	1Q	2058	3Q	11Q	a
Texas	210/726	2050	4Q	2054	4Q	2053	3Q	2055	2Q	2058	4Q	2063	4Q	-16Q	b
Massachusetts	617/857	2050	4Q	2045	3Q	2042	2Q	2040	3Q	2043	3Q	2052	2Q	21Q	a
Illinois	618/730	2050	4Q	2024	2Q	2024	2Q	2024	2Q	2025	4Q	2026	2Q	106Q	f
North Carolina	472/910	2051	1Q	2055	2Q	2064	1Q	2023	1Q	2022	4Q	2023	2Q	-17Q	b
California	840/909	2051	2Q	2049	1Q	2046	2Q	2043	2Q	2046	4Q	2048	2Q	9Q	a
District of Columbia	202/771	2051	3Q	2058	1Q	2054	1Q	2058	3Q	2021	4Q	2021	3Q	-26Q	b
Michigan	248/947	2051	4Q	2050	2Q	2046	1Q	2049	3Q	2053	4Q	2060	4Q	6Q	a
California	279/916	2051	4Q	2047	1Q	2044	4Q	2045	1Q	2047	3Q	2054	4Q	19Q	a
Colorado	303/720/983	2052	2Q	2048	1Q	2049	3Q	2023	1Q	2023	2Q	2022	4Q	17Q	a
Florida	656/813	2052	2Q	2052	1Q	2048	2Q	2047	2Q	2022	1Q	2022	1Q	1Q	a
California	209/350	2052	3Q	2047	3Q	2022	4Q	2022	4Q	2022	4Q	2022	4Q	20Q	a
Washington	253	2052	3Q	2051	1Q	2052	2Q	2052	1Q	2052	1Q	2058	2Q	6Q	a
Texas	325	2052	3Q	2057	1Q	2050	4Q	2045	2Q	2043	3Q	2049	3Q	-18Q	b
Oklahoma	405/572	2052	3Q	2053	3Q	2049	3Q	2050	2Q	2050	2Q	2022	2Q	-4Q	b
California	408/669	2053	2Q	2048	3Q	2047	3Q	2052	3Q	2055	3Q	2061	1Q	19Q	a
New York	631/934	2053	2Q	2049	4Q	2045	1Q	2043	4Q	2044	2Q	2061	3Q	14Q	a
Michigan	586	2053	4Q	2056	1Q	2048	4Q	2049	1Q	2058	4Q	2090	4Q	-9Q	b
Texas	936	2053	4Q	2048	2Q	2044	1Q	2042	4Q	2043	4Q	2053	1Q	22Q	a
Missouri	314/557	2054	2Q	2057	1Q	2065	2Q	2022	3Q	2022	3Q	2023	2Q	-11Q	b
Iowa	563	2054	3Q	2049	4Q	2041	1Q	2042	3Q	2047	4Q	2052	1Q	19Q	a
Wisconsin	353/608	2055	2Q	2024	3Q	2024	1Q	2024	1Q	2025	2Q	2025	1Q	123Q	f
Pennsylvania	484/610/835	2055	3Q	2056	4Q	2065	1Q	2022	4Q	2023	2Q	2023	2Q	-5Q	b
Virginia	757/948	2055	4Q	2054	1Q	2047	2Q	2022	2Q	2022	1Q	2022	1Q	7Q	a
Rhode Island	401	2056	1Q	2057	3Q	2050	3Q	2045	4Q	2053	3Q	2068	3Q	-6Q	b

Based on NRUF and CO Code Data as of 9/01/2023



# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
New Jersey	609/640	2056	2Q	2052	3Q	2054	4Q	2051	2Q	2056	3Q	2072	4Q	15Q	a
Texas	915	2056	3Q	2052	3Q	2053	3Q	2053	3Q	2060	4Q	2083	1Q	16Q	a
Illinois	464/708	2057	1Q	2060	3Q	2056	1Q	2062	1Q	2022	1Q	2022	1Q	-14Q	b
Missouri	660	2057	1Q	2048	3Q	2043	3Q	2040	2Q	2047	2Q	2047	2Q	34Q	a
Louisiana	985	2057	2Q	2053	1Q	2046	2Q	2053	2Q	2060	3Q	2075	4Q	17Q	a
California	341/510	2057	4Q	2056	1Q	2052	4Q	2051	2Q	2057	4Q	2063	2Q	7Q	a
Illinois	331/630	2059	1Q	2055	2Q	2053	1Q	2057	4Q	2063	4Q	2073	4Q	15Q	a
Washington	360/564	2059	1Q	2058	2Q	2058	4Q	2062	4Q	2066	4Q	2078	3Q	3Q	a
Wisconsin	414	2059	2Q	2051	1Q	2048	1Q	2046	4Q	2048	1Q	2049	4Q	33Q	a
Ohio	326/937	2059	3Q	2057	3Q	2052	3Q	2051	2Q	2057	2Q	2067	2Q	8Q	a
Ohio	283/513	2059	4Q	2080	1Q	2023	4Q	2023	4Q	2023	4Q	2023	2Q	-81Q	b
Wisconsin	534/715	2059	4Q	2061	3Q	2055	3Q	2054	4Q	2058	3Q	2071	2Q	-7Q	b
Ohio	380/614	2060	3Q	2062	3Q	2062	1Q	2057	2Q	2060	1Q	2078	3Q	-8Q	b
Texas	979	2060	4Q	2062	1Q	2057	1Q	2056	4Q	2056	3Q	2074	2Q	-5Q	b
Louisiana	504	2061	4Q	2058	2Q	2058	1Q	2057	2Q	2065	2Q	2061	2Q	14Q	a
California	805/820	2062	1Q	2062	2Q	2058	3Q	2063	3Q	2068	4Q	2076	2Q	-1Q	b
Indiana	574	2062	2Q	2059	2Q	2056	2Q	2053	4Q	2061	1Q	2067	1Q	12Q	a
Florida	772	2064	1Q	2060	1Q	2061	4Q	2057	1Q	2060	1Q	2069	1Q	16Q	a
New York	363/516	2064	2Q	2067	4Q	2024	1Q	2023	2Q	2023	2Q	2023	3Q	-14Q	b
Illinois	309/861	2067	3Q	2065	1Q	2024	1Q	2023	2Q	2023	4Q	2024	2Q	10Q	a
Minnesota	651	2067	3Q	2062	2Q	2063	1Q	2060	2Q	2055	3Q	2055	3Q	21Q	a
Wisconsin	274/920	2069	1Q	2024	4Q	2024	1Q	2023	4Q	2024	3Q	2027	1Q	177Q	f
Massachusetts	351/978	2070	1Q	2066	1Q	2055	3Q	2057	1Q	2064	2Q	2102	2Q	16Q	a
Kentucky	270/364	2070	4Q	2072	1Q	2066	4Q	2074	2Q	2082	2Q	2102	1Q	-5Q	b
California	369/707	2070	4Q	2076	3Q	2023	1Q	2023	1Q	2023	1Q	2023	4Q	-23Q	b
Missouri	636	2071	1Q	2064	1Q	2056	1Q	2057	4Q	2063	1Q	2078	2Q	28Q	a
California	415/628	2071	4Q	2064	1Q	2064	1Q	2059	1Q	2059	3Q	2063	1Q	31Q	a
Texas	432	2072	1Q	2070	1Q	2063	4Q	2055	1Q	2054	3Q	2070	3Q	8Q	a
Tennessee	731	2072	1Q	2086	2Q	2091	1Q	2080	4Q	2088	1Q	2089	2Q	-57Q	b
Kansas	316	2072	4Q	2076	3Q	2053	4Q	2050	4Q	2056	2Q	2075	2Q	-15Q	b
Missouri	816/975	2075	3Q	2025	1Q	2024	2Q	2024	2Q	2023	3Q	2024	3Q	202Q	f

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Exhaust Date

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
California	831	2076	2Q	2068	3Q	2070	4Q	2080	1Q	2087	4Q	2097	4Q	31Q	a
Minnesota	763	2080	1Q	2075	1Q	2069	4Q	2074	4Q	2066	4Q	2066	3Q	20Q	a
Virgin Islands	340	2085	1Q	2089	1Q	2089	3Q	2090	1Q	2090	1Q	2097	1Q	-16Q	b
Mississippi	228	2095	3Q	2105	1Q	2093	3Q	2096	3Q	2102	2Q	2104	1Q	-38Q	b
Massachusetts	339/781	2096	3Q	2095	2Q	2071	3Q	2073	1Q	2087	1Q	2122	1Q	5Q	a
Michigan	906	2096	3Q	2095	1Q	2085	1Q	2075	4Q	2087	2Q	2133	1Q	6Q	a
CNMI	670	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2112	1Q	N/C	
Guam	671	2148	3Q	2149	1Q	2149	1Q	2150	1Q	2150	1Q	2150	1Q	-2Q	b
Minnesota	952	2148	4Q	2119	1Q	2130	2Q	2115	2Q	2106	1Q	2098	1Q	119Q	a
American Samoa	684	2180	1Q	2180	1Q	2180	1Q	2182	1Q	2185	1Q	2186	1Q	N/C	
Arizona	602			2025	4Q	2025	4Q	2025	3Q	2026	2Q	2026	2Q		h
Arizona	623			2061	2Q	2061	2Q	2064	3Q	2069	4Q	2069	4Q		h
New York	917														e

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Alabama	251	2035	4Q	2033	4Q	2033	2Q	2034	2Q	2036	3Q	2041	1Q	8Q	a
Alabama	334	2026	3Q	2026	3Q	2026	2Q	2025	3Q	2025	4Q	2026	2Q	N/C	
Alabama	205/659	2044	4Q	2043	2Q	2039	2Q	2036	3Q	2035	4Q	2036	1Q	6Q	a
Alabama	256/938	2043	3Q	2044	2Q	2040	4Q	2042	4Q	2045	4Q	2050	3Q	-3Q	b
Alaska	907	2039	1Q	2039	3Q	2041	3Q	2039	1Q	2043	4Q	2055	3Q	-2Q	b
American Samoa	684	2180	1Q	2180	1Q	2180	1Q	2182	1Q	2185	1Q	2186	1Q	N/C	
Arizona	520	2027	4Q	2028	1Q	2027	1Q	2026	4Q	2029	3Q	2030	1Q	-1Q	b
Arizona	602			2025	4Q	2025	4Q	2025	3Q	2026	2Q	2026	2Q		h
Arizona	623			2061	2Q	2061	2Q	2064	3Q	2069	4Q	2069	4Q		h
Arizona	928	2031	3Q	2030	1Q	2028	1Q	2028	2Q	2030	1Q	2030	3Q	6Q	a
Arizona	480/602/623	2034	4Q	2023	4Q	2023	4Q	2024	1Q	2024	1Q	2024	1Q	44Q	h
Arkansas	479	2037	2Q	2039	1Q	2035	1Q	2033	3Q	2033	1Q	2035	1Q	-7Q	b
Arkansas	501	2035	1Q	2032	3Q	2031	1Q	2029	4Q	2030	4Q	2033	1Q	10Q	a
Arkansas	870	2024	2Q	2024	2Q	2024	2Q	2025	1Q	2025	1Q	2025	1Q	N/C	
California	530	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2028	2Q	2029	3Q	N/C	
California	559	2025	3Q	2025	3Q	2025	3Q	2025	4Q	2029	3Q	2034	1Q	N/C	
California	562	2030	2Q	2030	2Q	2031	3Q	2031	2Q	2032	3Q	2034	3Q	N/C	
California	626	2028	4Q	2028	1Q	2027	1Q	2027	3Q	2029	3Q	2031	3Q	3Q	a
California	650	2030	1Q	2029	1Q	2029	3Q	2030	3Q	2034	4Q	2033	2Q	4Q	a
California	661	2031	2Q	2031	3Q	2031	4Q	2031	4Q	2033	1Q	2032	4Q	-1Q	b
California	831	2076	2Q	2068	3Q	2070	4Q	2080	1Q	2087	4Q	2097	4Q	31Q	a
California	925	2041	4Q	2038	3Q	2037	3Q	2036	4Q	2041	3Q	2043	2Q	13Q	a
California	949	2027	2Q	2027	1Q	2026	3Q	2025	4Q	2026	1Q	2026	4Q	1Q	a
California	209/350	2052	3Q	2047	3Q	2022	4Q	2022	4Q	2022	4Q	2022	4Q	20Q	a
California	213/323	2026	2Q	2025	2Q	2025	2Q	2025	2Q	2026	2Q	2026	3Q	4Q	a
California	279/916	2051	4Q	2047	1Q	2044	4Q	2045	1Q	2047	3Q	2054	4Q	19Q	a
California	310/424	2039	2Q	2037	4Q	2037	3Q	2037	3Q	2045	2Q	2045	2Q	6Q	a
California	341/510	2057	4Q	2056	1Q	2052	4Q	2051	2Q	2057	4Q	2063	2Q	7Q	a
California	369/707	2070	4Q	2076	3Q	2023	1Q	2023	1Q	2023	1Q	2023	4Q	-23Q	b
California	408/669	2053	2Q	2048	3Q	2047	3Q	2052	3Q	2055	3Q	2061	1Q	19Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
California	415/628	2071	4Q	2064	1Q	2064	1Q	2059	1Q	2059	3Q	2063	1Q	31Q	a
California	442/760	2036	3Q	2036	1Q	2034	1Q	2033	4Q	2035	4Q	2036	3Q	2Q	a
California	619/858	2032	3Q	2030	4Q	2029	3Q	2029	1Q	2030	2Q	2031	4Q	7Q	a
California	657/714	2027	1Q	2026	3Q	2026	2Q	2026	4Q	2027	4Q	2029	1Q	2Q	a, i
California	747/818	2048	3Q	2045	1Q	2042	2Q	2042	4Q	2048	4Q	2050	2Q	14Q	a
California	805/820	2062	1Q	2062	2Q	2058	3Q	2063	3Q	2068	4Q	2076	2Q	-1Q	b
California	840/909	2051	2Q	2049	1Q	2046	2Q	2043	2Q	2046	4Q	2048	2Q	9Q	a
California	951	2030	1Q	2030	3Q	2029	3Q	2028	4Q	2030	1Q	2030	4Q	-2Q	b
Canada	867	2043	1Q	2043	1Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
Canada	204/431/584	2032	4Q	2032	4Q	2034	3Q	2034	3Q			2035	1Q	N/C	c
Canada	226/382/519/548	2030	2Q	2030	2Q	2033	1Q	2033	1Q			2034	3Q	N/C	c
Canada	236/250/604/672/ 778	2030	3Q	2030	3Q	2034	4Q	2034	4Q			2040	2Q	N/C	c
Canada	249/683/705	2040	4Q	2040	4Q	2032	2Q	2032	2Q			2042	3Q	N/C	c
Canada	263/438/514	2033	3Q	2033	3Q	2035	2Q	2035	2Q			2036	4Q	N/C	c
Canada	289/365/742/905	2036	3Q	2036	3Q	2038	1Q	2038	1Q			2039	3Q	N/C	c
Canada	306/474/639	2032	3Q	2032	3Q	2037	3Q	2037	3Q			2035	3Q	N/C	c
Canada	343/613/753	2039	1Q	2039	1Q	2033	4Q	2033	4Q			2032	2Q	N/C	c
Canada	354/450/579	2037	1Q	2037	1Q	2024	3Q	2024	3Q			2046	2Q	N/C	c
Canada	368/403/587/780/ 825	2037	3Q	2037	3Q	2038	2Q	2038	2Q			2041	1Q	N/C	c
Canada	416/437/647	2041	4Q	2041	4Q	2035	3Q	2035	3Q			2038	1Q	N/C	c
Canada	418/581/367	2035	2Q	2035	2Q	2037	3Q	2037	3Q			2037	3Q	N/C	c
Canada	428/506	2024	3Q	2024	3Q	2024	4Q	2024	4Q			2024	1Q	N/C	c
Canada	468/819/873	2043	1Q	2043	1Q	2034	3Q	2034	3Q			2034	3Q	N/C	c
Canada	709/879	2024	4Q	2024	4Q	2028	4Q	2028	4Q			2026	3Q	N/C	c
Canada	782/902	2040	4Q	2040	4Q	2029	2Q	2029	2Q			2029	4Q	N/C	c
Canada	807	2040	3Q	2040	3Q	2043	1Q	2043	1Q			2043	1Q	N/C	c
CNMI	670	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2110	1Q	2112	1Q	N/C	
Colorado	719	2028	2Q	2029	3Q	2028	3Q	2031	4Q	2036	1Q	2034	4Q	-5Q	b
Colorado	970	2026	1Q	2026	1Q	2026	1Q	2026	1Q	2028	2Q	2028	2Q	N/C	

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Colorado	303/720/983	2052	2Q	2048	1Q	2049	3Q	2023	1Q	2023	2Q	2022	4Q	17Q	a
Connecticut	203/475	2047	3Q	2043	4Q	2039	1Q	2040	3Q	2049	1Q	2046	3Q	15Q	a
Connecticut	860/959	2050	2Q	2047	3Q	2041	3Q	2045	1Q	2052	1Q	2058	3Q	11Q	a
Delaware	302	2038	3Q	2034	2Q	2033	4Q	2033	1Q	2033	2Q	2035	1Q	17Q	a
District of Columbia	202/771	2051	3Q	2058	1Q	2054	1Q	2058	3Q	2021	4Q	2021	3Q	-26Q	b
Florida	239	2035	2Q	2036	1Q	2035	3Q	2035	2Q	2040	2Q	2040	4Q	-3Q	b
Florida	352	2027	3Q	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2028	3Q	-1Q	b
Florida	386	2044	2Q	2043	3Q	2040	4Q	2039	1Q	2039	4Q	2045	3Q	3Q	a
Florida	727	2032	2Q	2030	4Q	2032	4Q	2032	2Q	2035	3Q	2036	2Q	6Q	a
Florida	772	2064	1Q	2060	1Q	2061	4Q	2057	1Q	2060	1Q	2069	1Q	16Q	a
Florida	863	2046	2Q	2045	1Q	2041	1Q	2042	4Q	2050	3Q	2064	2Q	-3Q	b
Florida	904	2024	4Q	2024	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	1Q	a
Florida	941	2043	3Q	2041	4Q	2044	3Q	2044	1Q	2048	1Q	2054	3Q	7Q	a
Florida	305/645/786	2040	2Q	2023	4Q	2023	4Q	2023	4Q	2024	1Q	2024	4Q	66Q	f
Florida	321/407/689	2040	3Q	2040	3Q	2039	4Q	2039	1Q	2043	4Q	2070	4Q	N/C	
Florida	321A	2040	2Q	2039	3Q	2040	1Q	2041	4Q	2049	2Q	2078	3Q	3Q	a,g
Florida	448/850	2048	1Q	2052	4Q	2056	4Q	2050	1Q	2053	2Q	2021	3Q	-19Q	b
Florida	561/728	2047	3Q	2047	4Q	2023	4Q	2023	3Q	2023	3Q	2024	3Q	-1Q	b
Florida	656/813	2052	2Q	2052	1Q	2048	2Q	2047	2Q	2022	1Q	2022	1Q	1Q	a
Florida	754/954	2045	3Q	2043	3Q	2043	3Q	2042	4Q	2047	1Q	2052	3Q	8Q	a
Georgia	229	2030	2Q	2031	2Q	2030	3Q	2030	2Q	2030	2Q	2034	3Q	-4Q	b
Georgia	478	2046	4Q	2048	2Q	2046	2Q	2045	4Q	2046	3Q	2062	1Q	-6Q	b
Georgia	912	2028	1Q	2028	2Q	2027	4Q	2027	4Q	2028	2Q	2031	4Q	-1Q	b
Georgia	404/470/678/770/	2031	4Q	2030	3Q	2030	1Q	2030	2Q	2022	2Q	2022	2Q	5Q	a
Georgia	706/762	2035	1Q	2034	2Q	2032	4Q	2032	2Q	2032	4Q	2042	3Q	3Q	a
Guam	671	2148	3Q	2149	1Q	2149	1Q	2150	1Q	2150	1Q	2150	1Q	-2Q	b
Hawaii	808	2035	4Q	2033	4Q	2037	2Q	2034	1Q	2035	3Q	2040	4Q	8Q	a
Idaho	208/986	2039	2Q	2039	4Q	2037	1Q	2039	1Q	2042	3Q	2044	4Q	-2Q	b
Illinois	217/447	2039	4Q	2039	2Q	2035	4Q	2035	3Q	2035	1Q	2078	1Q	2Q	a
Illinois	224/847	2033	1Q	2031	2Q	2030	2Q	2030	2Q	2033	1Q	2036	1Q	7Q	a
Illinois	309/861	2067	3Q	2065	1Q	2024	1Q	2023	2Q	2023	4Q	2024	2Q	10Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	
Illinois	312/773/872	2041	4Q	2042	1Q	2040	3Q	2041	4Q	2049	4Q	2050	1Q	-1Q	b
Illinois	331/630	2059	1Q	2055	2Q	2053	1Q	2057	4Q	2063	4Q	2073	4Q	15Q	a
Illinois	464/708	2057	1Q	2060	3Q	2056	1Q	2062	1Q	2022	1Q	2022	1Q	-14Q	b
Illinois	618/730	2050	4Q	2024	2Q	2024	2Q	2024	2Q	2025	4Q	2026	2Q	106Q	f
Illinois	779/815	2037	2Q	2036	3Q	2034	1Q	2032	4Q	2033	4Q	2034	2Q	3Q	a
Indiana	219	2048	1Q	2048	2Q	2042	2Q	2041	4Q	2043	4Q	2046	4Q	-1Q	b
Indiana	260	2045	3Q	2043	3Q	2043	3Q	2044	3Q	2049	2Q	2057	1Q	8Q	a
Indiana	574	2062	2Q	2059	2Q	2056	2Q	2053	4Q	2061	1Q	2067	1Q	12Q	a
Indiana	765	2027	4Q	2027	1Q	2026	1Q	2026	1Q	2027	4Q	2032	2Q	3Q	a
Indiana	317/463	2049	2Q	2048	2Q	2044	3Q	2045	1Q	2048	1Q	2052	2Q	4Q	a
Indiana	812/930	2047	1Q	2045	2Q	2042	4Q	2042	2Q	2044	3Q	2048	3Q	7Q	a
Iowa	319	2035	4Q	2037	2Q	2034	4Q	2042	1Q	2047	1Q	2050	3Q	-6Q	b
Iowa	515	2039	1Q	2037	3Q	2034	3Q	2036	2Q	2038	4Q	2037	4Q	6Q	a
Iowa	563	2054	3Q	2049	4Q	2041	1Q	2042	3Q	2047	4Q	2052	1Q	19Q	a
Iowa	641	2043	2Q	2039	3Q	2035	2Q	2038	2Q	2039	2Q	2042	1Q	15Q	a
Iowa	712	2032	3Q	2033	1Q	2030	2Q	2031	2Q	2031	3Q	2032	3Q	-2Q	b
Kansas	316	2072	4Q	2076	3Q	2053	4Q	2050	4Q	2056	2Q	2075	2Q	-15Q	b
Kansas	620	2028	2Q	2027	2Q	2026	2Q	2027	4Q	2030	2Q	2032	4Q	4Q	a
Kansas	785	2029	2Q	2029	2Q	2028	3Q	2026	4Q	2027	1Q	2030	1Q	N/C	
Kansas	913	2047	4Q	2047	4Q	2044	4Q	2040	3Q	2042	2Q	2046	1Q	N/C	
Kentucky	502	2028	4Q	2028	4Q	2027	3Q	2027	4Q	2031	2Q	2036	2Q	N/C	
Kentucky	606	2036	4Q	2036	4Q	2042	2Q	2043	3Q	2048	4Q	2046	2Q	N/C	
Kentucky	859	2047	4Q	2047	2Q	2051	1Q	2053	1Q	2051	4Q	2065	3Q	2Q	a
Kentucky	270/364	2070	4Q	2072	1Q	2066	4Q	2074	2Q	2082	2Q	2102	1Q	-5Q	b
Louisiana	225	2039	2Q	2038	1Q	2037	2Q	2039	1Q	2048	4Q	2062	1Q	5Q	a
Louisiana	318	2026	1Q	2026	1Q	2026	1Q	2026	2Q	2028	1Q	2030	2Q	N/C	
Louisiana	337	2038	3Q	2037	4Q	2037	1Q	2042	4Q	2052	1Q	2054	1Q	3Q	a
Louisiana	504	2061	4Q	2058	2Q	2058	1Q	2057	2Q	2065	2Q	2061	2Q	14Q	a
Louisiana	985	2057	2Q	2053	1Q	2046	2Q	2053	2Q	2060	3Q	2075	4Q	17Q	a
Maine	207	2032	4Q	2029	2Q	2027	1Q	2025	2Q	2025	1Q	2024	4Q	14Q	a
Maryland	227/240/301	2042	2Q	2023	2Q	2023	2Q	2023	4Q	2023	4Q	2024	4Q	76Q	f

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Maryland	410/443/667	2031	4Q	2031	3Q	2029	4Q	2030	1Q	2031	4Q	2040	1Q	1Q	a
Massachusetts	413	2034	4Q	2032	4Q	2029	2Q	2029	2Q	2030	2Q	2041	1Q	8Q	a
Massachusetts	339/781	2096	3Q	2095	2Q	2071	3Q	2073	1Q	2087	1Q	2122	1Q	5Q	a
Massachusetts	351/978	2070	1Q	2066	1Q	2055	3Q	2057	1Q	2064	2Q	2102	2Q	16Q	a
Massachusetts	508/774	2036	4Q	2033	1Q	2030	1Q	2029	3Q	2029	4Q	2041	4Q	15Q	a
Massachusetts	617/857	2050	4Q	2045	3Q	2042	2Q	2040	3Q	2043	3Q	2052	2Q	21Q	a
Michigan	231	2035	2Q	2034	2Q	2030	4Q	2030	3Q	2034	3Q	2048	3Q	4Q	a
Michigan	269	2037	1Q	2036	1Q	2034	3Q	2034	4Q	2041	3Q	2055	3Q	4Q	a
Michigan	313	2027	2Q	2026	2Q	2025	3Q	2025	3Q	2025	2Q	2025	3Q	4Q	a
Michigan	517	2037	3Q	2037	4Q	2033	4Q	2033	3Q	2038	1Q	2048	3Q	-1Q	b
Michigan	586	2053	4Q	2056	1Q	2048	4Q	2049	1Q	2058	4Q	2090	4Q	-9Q	b
Michigan	616	2046	3Q	2045	1Q	2039	2Q	2037	2Q	2042	3Q	2048	2Q	6Q	a
Michigan	734	2029	2Q	2028	3Q	2027	1Q	2028	1Q	2029	2Q	2032	4Q	3Q	a
Michigan	810	2048	4Q	2049	1Q	2041	3Q	2046	4Q	2049	2Q	2077	4Q	-1Q	b
Michigan	906	2096	3Q	2095	1Q	2085	1Q	2075	4Q	2087	2Q	2133	1Q	6Q	a
Michigan	989	2027	4Q	2027	4Q	2026	2Q	2026	1Q	2027	1Q	2031	2Q	N/C	
Michigan	248/947	2051	4Q	2050	2Q	2046	1Q	2049	3Q	2053	4Q	2060	4Q	6Q	a
Minnesota	218	2028	2Q	2028	4Q	2026	4Q	2028	2Q	2029	1Q	2031	3Q	-2Q	b
Minnesota	320	2044	1Q	2043	4Q	2038	4Q	2041	3Q	2042	3Q	2045	4Q	1Q	a
Minnesota	507	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	2Q	2025	4Q	N/C	
Minnesota	612	2041	3Q	2037	1Q	2038	3Q	2037	3Q	2040	2Q	2038	1Q	18Q	a
Minnesota	651	2067	3Q	2062	2Q	2063	1Q	2060	2Q	2055	3Q	2055	3Q	21Q	a
Minnesota	763	2080	1Q	2075	1Q	2069	4Q	2074	4Q	2066	4Q	2066	3Q	20Q	a
Minnesota	952	2148	4Q	2119	1Q	2130	2Q	2115	2Q	2106	1Q	2098	1Q	119Q	a
Mississippi	228	2095	3Q	2105	1Q	2093	3Q	2096	3Q	2102	2Q	2104	1Q	-38Q	b
Mississippi	662	2026	3Q	2027	1Q	2026	2Q	2027	1Q	2033	4Q	2036	2Q	-2Q	b, i
Mississippi	601/769	2041	1Q	2041	1Q	2038	3Q	2040	3Q	2048	2Q	2073	4Q	N/C	
Missouri	417	2031	3Q	2030	2Q	2029	3Q	2028	3Q	2028	1Q	2027	4Q	5Q	a
Missouri	573	2024	1Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	1Q	-2Q	b
Missouri	636	2071	1Q	2064	1Q	2056	1Q	2057	4Q	2063	1Q	2078	2Q	28Q	a
Missouri	660	2057	1Q	2048	3Q	2043	3Q	2040	2Q	2047	2Q	2047	2Q	34Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Missouri	314/557	2054	2Q	2057	1Q	2065	2Q	2022	3Q	2022	3Q	2023	2Q	-11Q	b
Missouri	816/975	2075	3Q	2025	1Q	2024	2Q	2024	2Q	2023	3Q	2024	3Q	202Q	f
Montana	406	2031	2Q	2032	3Q	2031	4Q	2028	4Q	2027	3Q	2028	2Q	-5Q	b
Nebraska	308	2036	3Q	2034	3Q	2034	4Q	2030	2Q	2030	4Q	2040	1Q	8Q	a
Nebraska	402/531	2043	4Q	2044	4Q	2047	4Q	2048	1Q	2045	4Q	2052	1Q	-4Q	b
Nevada	775	2038	2Q	2036	3Q	2034	1Q	2038	1Q	2040	2Q	2045	1Q	7Q	a
Nevada	702/725	2044	1Q	2042	4Q	2044	4Q	2043	4Q	2050	2Q	2055	3Q	5Q	a
New Hampshire	603	2027	2Q	2028	1Q	2028	2Q	2028	2Q	2028	2Q	2028	4Q	-3Q	b
New Jersey	856	2032	4Q	2031	3Q	2031	1Q	2030	3Q	2032	1Q	2039	4Q	5Q	a
New Jersey	908	2028	4Q	2029	1Q	2028	1Q	2027	1Q	2028	3Q	2030	4Q	-1Q	b
New Jersey	201/551	2043	4Q	2042	1Q	2040	1Q	2041	4Q	2045	3Q	2048	1Q	7Q	a
New Jersey	609/640	2056	2Q	2052	3Q	2054	4Q	2051	2Q	2056	3Q	2072	4Q	15Q	a
New Jersey	732/848	2046	3Q	2043	1Q	2043	4Q	2041	2Q	2043	1Q	2044	2Q	14Q	a
New Jersey	862/973	2040	1Q	2038	1Q	2036	1Q	2035	3Q	2038	1Q	2044	1Q	8Q	a
New Mexico	505	2029	2Q	2028	4Q	2029	2Q	2030	1Q	2030	2Q	2032	4Q	2Q	a
New Mexico	575	2041	1Q	2038	3Q	2034	4Q	2038	3Q	2044	1Q	2049	2Q	10Q	a
New York	585	2029	3Q	2028	4Q	2027	4Q	2026	3Q	2026	2Q	2029	4Q	3Q	a
New York	607	2036	3Q	2040	1Q	2035	4Q	2033	3Q	2033	3Q	2041	3Q	-14Q	b
New York	716	2025	3Q	2025	2Q	2024	2Q	2024	2Q	2025	1Q	2027	1Q	1Q	a
New York	914	2029	3Q	2029	2Q	2028	1Q	2027	2Q	2027	1Q	2031	1Q	1Q	a
New York	917														e
New York	212/332/646	2050	1Q	2047	3Q	2051	3Q	2051	3Q	2049	4Q	2050	2Q	10Q	a
New York	315/680	2041	3Q	2040	4Q	2041	4Q	2038	2Q	2039	2Q	2053	4Q	3Q	a
New York	329/845	2050	1Q	2059	4Q	2024	3Q	2023	4Q	2023	3Q	2024	3Q	-39Q	b
New York	347/718/929	2027	1Q	2027	2Q	2027	2Q	2027	2Q	2028	2Q	2028	4Q	-1Q	b
New York	363/516	2064	2Q	2067	4Q	2024	1Q	2023	2Q	2023	2Q	2023	3Q	-14Q	b
New York	518/838	2043	2Q	2041	3Q	2036	4Q	2034	2Q	2031	4Q	2042	3Q	7Q	a
New York	631/934	2053	2Q	2049	4Q	2045	1Q	2043	4Q	2044	2Q	2061	3Q	14Q	a
North Carolina	252	2030	1Q	2031	1Q	2032	4Q	2031	3Q	2030	4Q	2036	3Q	-4Q	b
North Carolina	828	2028	2Q	2030	1Q	2030	4Q	2030	4Q	2031	4Q	2038	1Q	-7Q	b
North Carolina	336/743	2045	1Q	2043	4Q	2042	4Q	2044	4Q	2052	2Q	2055	4Q	5Q	a

Based on NRUF and CO Code Data as of 9/01/2023



# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
North Carolina	472/910	2051	1Q	2055	2Q	2064	1Q	2023	1Q	2022	4Q	2023	2Q	-17Q	b
North Carolina	704/980	2034	1Q	2034	2Q	2036	2Q	2036	4Q	2040	1Q	2042	2Q	-1Q	b
North Carolina	919/984	2042	4Q	2044	2Q	2043	2Q	2042	4Q	2046	3Q	2049	4Q	-6Q	b
North Dakota	701	2032	4Q	2033	1Q	2030	3Q	2028	2Q	2026	4Q	2026	1Q	-1Q	b
Ohio	216	2042	1Q	2039	4Q	2035	3Q	2032	2Q	2038	1Q	2038	3Q	9Q	a
Ohio	440	2026	2Q	2025	2Q	2024	3Q	2024	3Q	2025	2Q	2030	1Q	4Q	a
Ohio	220/740	2049	4Q	2050	3Q	2052	2Q	2048	4Q	2051	3Q	2086	1Q	-3Q	b
Ohio	234/330	2039	1Q	2037	4Q	2036	1Q	2035	1Q	2038	4Q	2045	2Q	5Q	a
Ohio	283/513	2059	4Q	2080	1Q	2023	4Q	2023	4Q	2023	4Q	2023	2Q	-81Q	b
Ohio	326/937	2059	3Q	2057	3Q	2052	3Q	2051	2Q	2057	2Q	2067	2Q	8Q	a
Ohio	380/614	2060	3Q	2062	3Q	2062	1Q	2057	2Q	2060	1Q	2078	3Q	-8Q	b
Ohio	419/567	2038	2Q	2038	3Q	2036	2Q	2037	1Q	2039	1Q	2045	2Q	-1Q	b
Oklahoma	580	2028	4Q	2028	2Q	2027	3Q	2027	2Q	2029	3Q	2031	1Q	2Q	a
Oklahoma	405/572	2052	3Q	2053	3Q	2049	3Q	2050	2Q	2050	2Q	2022	2Q	-4Q	b
Oklahoma	539/918	2047	1Q	2042	4Q	2038	3Q	2040	1Q	2048	2Q	2053	3Q	17Q	a
Oregon	458/541	2045	3Q	2044	4Q	2040	3Q	2044	2Q	2055	4Q	2062	4Q	3Q	a
Oregon	503/971	2039	3Q	2038	2Q	2037	2Q	2039	3Q	2041	3Q	2042	2Q	5Q	a
Pennsylvania	215/267/445	2042	3Q	2040	4Q	2041	2Q	2043	4Q	2055	3Q	2054	2Q	7Q	a
Pennsylvania	223/717	2040	2Q	2038	2Q	2036	2Q	2036	3Q	2038	2Q	2043	4Q	8Q	a
Pennsylvania	272/570	2037	4Q	2037	4Q	2036	2Q	2037	3Q	2043	1Q	2053	3Q	N/C	
Pennsylvania	412/724/878	2042	1Q	2041	2Q	2039	3Q	2041	1Q	2043	2Q	2046	3Q	3Q	a
Pennsylvania	484/610/835	2055	3Q	2056	4Q	2065	1Q	2022	4Q	2023	2Q	2023	2Q	-5Q	b
Pennsylvania	582/814	2042	1Q	2044	2Q	2042	4Q	2043	2Q	2050	2Q	2093	3Q	-9Q	b
Puerto Rico	787/939	2044	1Q	2043	3Q	2042	1Q	2043	2Q	2049	2Q	2053	2Q	2Q	a
Rhode Island	401	2056	1Q	2057	3Q	2050	3Q	2045	4Q	2053	3Q	2068	3Q	-6Q	b
South Carolina	864	2024	3Q	2025	1Q	2025	1Q	2025	1Q	2025	1Q	2025	3Q	-2Q	b
South Carolina	803/839	2042	4Q	2047	1Q	2044	3Q	2050	2Q	2052	2Q	2055	1Q	-17Q	b
South Carolina	843/854	2046	4Q	2053	2Q	2048	4Q	2049	1Q	2052	4Q	2052	1Q	-26Q	b
South Dakota	605	2027	2Q	2026	3Q	2025	4Q	2025	3Q	2025	3Q	2027	4Q	3Q	a,i
Tennessee	423	2025	3Q	2025	3Q	2025	3Q	2025	3Q	2026	2Q	2027	4Q	N/C	
Tennessee	731	2072	1Q	2086	2Q	2091	1Q	2080	4Q	2088	1Q	2089	2Q	-57Q	b

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change 2023.1 to 2023.2	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter		
Tennessee	865	2046	1Q	2044	3Q	2041	4Q	2044	4Q	2063	4Q	2068	4Q	6Q	a
Tennessee	901	2035	2Q	2033	1Q	2034	4Q	2035	1Q	2036	4Q	2038	2Q	9Q	a
Tennessee	931	2042	1Q	2046	1Q	2044	4Q	2053	2Q	2062	2Q	2062	2Q	-16Q	b
Tennessee	615/629	2045	3Q	2045	3Q	2043	4Q	2047	2Q	2058	2Q	2066	4Q	N/C	
Texas	254	2030	4Q	2030	4Q	2028	4Q	2027	4Q	2028	3Q	2029	4Q	N/C	
Texas	325	2052	3Q	2057	1Q	2050	4Q	2045	2Q	2043	3Q	2049	3Q	-18Q	b
Texas	361	2048	1Q	2044	4Q	2040	1Q	2040	1Q	2039	4Q	2049	1Q	13Q	a
Texas	409	2047	2Q	2047	3Q	2045	1Q	2044	1Q	2047	1Q	2055	1Q	-1Q	b
Texas	432	2072	1Q	2070	1Q	2063	4Q	2055	1Q	2054	3Q	2070	3Q	8Q	a
Texas	806	2028	4Q	2028	4Q	2027	4Q	2025	4Q	2026	3Q	2027	1Q	N/C	
Texas	830	2041	2Q	2039	2Q	2039	1Q	2041	4Q	2050	3Q	2066	1Q	8Q	a
Texas	915	2056	3Q	2052	3Q	2053	3Q	2053	3Q	2060	4Q	2083	1Q	16Q	a
Texas	936	2053	4Q	2048	2Q	2044	1Q	2042	4Q	2043	4Q	2053	1Q	22Q	a
Texas	940	2043	2Q	2042	2Q	2040	4Q	2039	1Q	2038	2Q	2040	4Q	4Q	a
Texas	956	2028	2Q	2027	4Q	2026	4Q	2027	2Q	2027	2Q	2027	3Q	2Q	a
Texas	979	2060	4Q	2062	1Q	2057	1Q	2056	4Q	2056	3Q	2074	2Q	-5Q	b
Texas	210/726	2050	4Q	2054	4Q	2053	3Q	2055	2Q	2058	4Q	2063	4Q	-16Q	b
Texas	214/469/945/972	2033	2Q	2031	4Q	2031	2Q	2031	1Q	2031	4Q	2032	1Q	6Q	a
Texas	281/346/713/832	2025	3Q	2025	3Q	2026	1Q	2025	4Q	2027	1Q	2028	1Q	N/C	
Texas	430/903	2040	1Q	2039	3Q	2038	1Q	2036	4Q	2037	1Q	2040	1Q	2Q	a
Texas	512/737	2038	3Q	2035	3Q	2035	2Q	2034	4Q	2036	2Q	2036	3Q	12Q	a
Texas	682/817	2038	3Q	2036	2Q	2036	4Q	2037	1Q	2038	2Q	2039	2Q	9Q	a
Utah	435	2044	1Q	2043	3Q	2040	4Q	2038	1Q	2044	1Q	2052	2Q	2Q	a
Utah	385/801	2031	1Q	2032	1Q	2032	1Q	2031	3Q	2032	4Q	2034	3Q	-4Q	b
Vermont	802	2044	4Q	2042	1Q	2036	1Q	2035	4Q	2034	4Q	2038	4Q	11Q	a
Virgin Islands	340	2085	1Q	2089	1Q	2089	3Q	2090	1Q	2090	1Q	2097	1Q	-16Q	b
Virginia	276	2045	3Q	2047	3Q	2044	3Q	2044	4Q	2051	3Q	2054	1Q	-8Q	b
Virginia	434	2039	4Q	2038	2Q	2034	4Q	2034	3Q	2034	3Q	2035	4Q	6Q	a
Virginia	804	2025	3Q	2024	3Q	2024	3Q	2024	3Q	2025	1Q	2025	3Q	4Q	a
Virginia	540/826	2046	2Q	2045	1Q	2044	3Q	2022	2Q	2022	2Q	2022	2Q	5Q	a
Virginia	571/703	2031	2Q	2031	1Q	2031	3Q	2031	2Q	2030	4Q	2031	3Q	1Q	a

Based on NRUF and CO Code Data as of 9/01/2023

# 2023-2 NRUF and NPA Exhaust Analysis

October 2023

## NPA Exhaust Forecasts Sorted By Location

LOCATION	NPA	2023.2 FCST		2023.1 FCST		2022.2 FCST		2022.1 FCST		2021.2 FCST		2021.1 FCST		Change	Notes Comments
		Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	Quarter	Year	
Virginia	757/948	2055	4Q	2054	1Q	2047	2Q	2022	2Q	2022	1Q	2022	1Q	7Q	a
Washington	206	2026	1Q	2025	4Q	2025	4Q	2025	3Q	2026	1Q	2025	4Q	1Q	a
Washington	253	2052	3Q	2051	1Q	2052	2Q	2052	1Q	2052	1Q	2058	2Q	6Q	a
Washington	425	2035	1Q	2033	3Q	2034	1Q	2033	3Q	2035	2Q	2040	1Q	6Q	a
Washington	509	2027	2Q	2026	4Q	2027	1Q	2026	2Q	2025	1Q	2024	3Q	2Q	a
Washington	360/564	2059	1Q	2058	2Q	2058	4Q	2062	4Q	2066	4Q	2078	3Q	3Q	a
West Virginia	304/681	2032	1Q	2032	1Q	2031	1Q	2029	4Q	2030	3Q	2031	3Q	N/C	
Wisconsin	262	2036	1Q	2034	1Q	2034	2Q	2031	4Q	2033	3Q	2039	4Q	8Q	a
Wisconsin	414	2059	2Q	2051	1Q	2048	1Q	2046	4Q	2048	1Q	2049	4Q	33Q	a
Wisconsin	274/920	2069	1Q	2024	4Q	2024	1Q	2023	4Q	2024	3Q	2027	1Q	177Q	f
Wisconsin	353/608	2055	2Q	2024	3Q	2024	1Q	2024	1Q	2025	2Q	2025	1Q	123Q	f
Wisconsin	534/715	2059	4Q	2061	3Q	2055	3Q	2054	4Q	2058	3Q	2071	2Q	-7Q	b
Wyoming	307	2044	3Q	2046	4Q	2040	4Q	2039	4Q	2041	3Q	2045	1Q	-9Q	b

## Notes

- a. Reduced historical and projected demand.
- b. Increased historical and projected demand.
- c. Forecast based upon information provided by the Canadian Numbering Authority (CNA). The CNA normally provides only one projection per year. Change is from last forecast provided.
- d. Canadian NPA. With an exhaust date beyond 2043, there is generally no exhaust date provided.
- e. NPA is at exhaust. No codes available except for returns.
- f. New NPA added. The exhaust date moved out due to a new area code implemented.
- g. Area Code 321A includes only Brevard County Florida; 321/407/689 includes the Counties around Orlando in Central Florida.
- h. NPA's 480, 602 and 623 in Arizona received a boundary elimination on 09/12/2023. NPA's 602 and 623 will remain on this list until 2025-2 for historical purposes only.
- i. Delta NRUF issued between publication of NRUF and NPA Exhaust Analysis.