

2034	4	1,761.9	0.0	0.0	0.0	0.0	0.0	1,761.9	0.0
2034	5	1,760.6	0.0	0.0	0.0	0.0	0.0	1,760.6	0.0
2034	6	1,759.4	0.0	0.0	0.0	0.0	0.0	1,759.4	0.0
2034	7	1,758.2	0.0	0.0	0.0	0.0	0.0	1,758.2	0.0
2034	8	1,757.0	0.0	0.0	0.0	0.0	0.0	1,757.0	0.0
2034	9	1,755.8	0.0	0.0	0.0	0.0	0.0	1,755.8	0.0
2034	10	1,754.6	0.0	0.0	0.0	0.0	0.0	1,754.6	0.0
2034	11	1,753.4	0.0	0.0	0.0	0.0	0.0	1,753.4	0.0
2034	12	1,752.2	0.0	0.0	0.0	0.0	0.0	1,752.2	0.0
2035	1	1,751.0	0.0	0.0	0.0	0.0	0.0	1,751.0	0.0
2035	2	1,749.8	0.0	0.0	0.0	0.0	0.0	1,749.8	0.0
2035	3	1,748.6	0.0	0.0	0.0	0.0	0.0	1,748.6	0.0
2035	4	1,747.3	0.0	0.0	0.0	0.0	0.0	1,747.3	0.0
2035	5	1,746.1	0.0	0.0	0.0	0.0	0.0	1,746.1	0.0
2035	6	1,744.9	0.0	0.0	0.0	0.0	0.0	1,744.9	0.0
2035	7	1,743.7	0.0	0.0	0.0	0.0	0.0	1,743.7	0.0
2035	8	1,742.5	0.0	0.0	0.0	0.0	0.0	1,742.5	0.0
2035	9	1,741.3	0.0	0.0	0.0	0.0	0.0	1,741.3	0.0
2035	10	1,740.1	0.0	0.0	0.0	0.0	0.0	1,740.1	0.0
2035	11	1,738.9	0.0	0.0	0.0	0.0	0.0	1,738.9	0.0
2035	12	1,737.7	0.0	0.0	0.0	0.0	0.0	1,737.7	0.0
2036	1	1,736.5	0.0	0.0	0.0	0.0	0.0	1,736.5	0.0
2036	2	1,735.4	0.0	0.0	0.0	0.0	0.0	1,735.4	0.0
2036	3	1,734.2	0.0	0.0	0.0	0.0	0.0	1,734.2	0.0
2036	4	1,733.0	0.0	0.0	0.0	0.0	0.0	1,733.0	0.0
2036	5	1,731.8	0.0	0.0	0.0	0.0	0.0	1,731.8	0.0
2036	6	1,730.6	0.0	0.0	0.0	0.0	0.0	1,730.6	0.0
2036	7	1,729.4	0.0	0.0	0.0	0.0	0.0	1,729.4	0.0
2036	8	1,728.2	0.0	0.0	0.0	0.0	0.0	1,728.2	0.0
2036	9	1,727.0	0.0	0.0	0.0	0.0	0.0	1,727.0	0.0
2036	10	1,725.8	0.0	0.0	0.0	0.0	0.0	1,725.8	0.0
2036	11	1,724.6	0.0	0.0	0.0	0.0	0.0	1,724.6	0.0
2036	12	1,723.4	0.0	0.0	0.0	0.0	0.0	1,723.4	0.0
2037	1	1,722.3	0.0	0.0	0.0	0.0	0.0	1,722.3	0.0
2037	2	1,721.1	0.0	0.0	0.0	0.0	0.0	1,721.1	0.0
2037	3	1,719.9	0.0	0.0	0.0	0.0	0.0	1,719.9	0.0
2037	4	1,718.7	0.0	0.0	0.0	0.0	0.0	1,718.7	0.0
2037	5	1,717.5	0.0	0.0	0.0	0.0	0.0	1,717.5	0.0
2037	6	1,716.3	0.0	0.0	0.0	0.0	0.0	1,716.3	0.0
2037	7	1,715.1	0.0	0.0	0.0	0.0	0.0	1,715.1	0.0
2037	8	1,714.0	0.0	0.0	0.0	0.0	0.0	1,714.0	0.0
2037	9	1,712.8	0.0	0.0	0.0	0.0	0.0	1,712.8	0.0
2037	10	1,711.6	0.0	0.0	0.0	0.0	0.0	1,711.6	0.0
2037	11	1,710.4	0.0	0.0	0.0	0.0	0.0	1,710.4	0.0
2037	12	1,709.2	0.0	0.0	0.0	0.0	0.0	1,709.2	0.0
2038	1	1,708.1	0.0	0.0	0.0	0.0	0.0	1,708.1	0.0
2038	2	1,706.9	0.0	0.0	0.0	0.0	0.0	1,706.9	0.0
2038	3	1,705.7	0.0	0.0	0.0	0.0	0.0	1,705.7	0.0
2038	4	1,704.5	0.0	0.0	0.0	0.0	0.0	1,704.5	0.0
2038	5	1,703.4	0.0	0.0	0.0	0.0	0.0	1,703.4	0.0
2038	6	1,702.2	0.0	0.0	0.0	0.0	0.0	1,702.2	0.0
2038	7	1,701.0	0.0	0.0	0.0	0.0	0.0	1,701.0	0.0
2038	8	1,699.9	0.0	0.0	0.0	0.0	0.0	1,699.9	0.0
2038	9	1,698.7	0.0	0.0	0.0	0.0	0.0	1,698.7	0.0
2038	10	1,697.5	0.0	0.0	0.0	0.0	0.0	1,697.5	0.0
2038	11	1,696.3	0.0	0.0	0.0	0.0	0.0	1,696.3	0.0
2038	12	1,695.2	0.0	0.0	0.0	0.0	0.0	1,695.2	0.0
2039	1	1,694.0	0.0	0.0	0.0	0.0	0.0	1,694.0	0.0
2039	2	1,692.8	0.0	0.0	0.0	0.0	0.0	1,692.8	0.0
2039	3	1,691.7	0.0	0.0	0.0	0.0	0.0	1,691.7	0.0
2039	4	1,690.5	0.0	0.0	0.0	0.0	0.0	1,690.5	0.0
2039	5	1,689.3	0.0	0.0	0.0	0.0	0.0	1,689.3	0.0
2039	6	1,688.2	0.0	0.0	0.0	0.0	0.0	1,688.2	0.0
2039	7	1,687.0	0.0	0.0	0.0	0.0	0.0	1,687.0	0.0
2039	8	1,685.9	0.0	0.0	0.0	0.0	0.0	1,685.9	0.0
2039	9	1,684.7	0.0	0.0	0.0	0.0	0.0	1,684.7	0.0
2039	10	1,683.5	0.0	0.0	0.0	0.0	0.0	1,683.5	0.0
2039	11	1,682.4	0.0	0.0	0.0	0.0	0.0	1,682.4	0.0
2039	12	1,681.2	0.0	0.0	0.0	0.0	0.0	1,681.2	0.0
2040	1	1,680.1	0.0	0.0	0.0	0.0	0.0	1,680.1	0.0
2040	2	1,678.9	0.0	0.0	0.0	0.0	0.0	1,678.9	0.0
2040	3	1,677.8	0.0	0.0	0.0	0.0	0.0	1,677.8	0.0
2040	4	1,676.6	0.0	0.0	0.0	0.0	0.0	1,676.6	0.0
2040	5	1,675.4	0.0	0.0	0.0	0.0	0.0	1,675.4	0.0
2040	6	1,674.3	0.0	0.0	0.0	0.0	0.0	1,674.3	0.0
2040	7	1,673.1	0.0	0.0	0.0	0.0	0.0	1,673.1	0.0

2040	8	1,672.0	0.0	0.0	0.0	0.0	0.0	1,672.0	0.0
2040	9	1,670.8	0.0	0.0	0.0	0.0	0.0	1,670.8	0.0
2040	10	1,669.7	0.0	0.0	0.0	0.0	0.0	1,669.7	0.0
2040	11	1,668.5	0.0	0.0	0.0	0.0	0.0	1,668.5	0.0
2040	12	1,667.4	0.0	0.0	0.0	0.0	0.0	1,667.4	0.0
2041	1	1,666.2	0.0	0.0	0.0	0.0	0.0	1,666.2	0.0
2041	2	1,665.1	0.0	0.0	0.0	0.0	0.0	1,665.1	0.0
2041	3	1,663.9	0.0	0.0	0.0	0.0	0.0	1,663.9	0.0
2041	4	1,662.8	0.0	0.0	0.0	0.0	0.0	1,662.8	0.0
2041	5	1,661.6	0.0	0.0	0.0	0.0	0.0	1,661.6	0.0
2041	6	1,660.5	0.0	0.0	0.0	0.0	0.0	1,660.5	0.0
2041	7	1,659.4	0.0	0.0	0.0	0.0	0.0	1,659.4	0.0
2041	8	1,658.2	0.0	0.0	0.0	0.0	0.0	1,658.2	0.0
2041	9	1,657.1	0.0	0.0	0.0	0.0	0.0	1,657.1	0.0
2041	10	1,655.9	0.0	0.0	0.0	0.0	0.0	1,655.9	0.0
2041	11	1,654.8	0.0	0.0	0.0	0.0	0.0	1,654.8	0.0
2041	12	1,653.7	0.0	0.0	0.0	0.0	0.0	1,653.7	0.0
2042	1	1,652.5	0.0	0.0	0.0	0.0	0.0	1,652.5	0.0
2042	2	1,651.4	0.0	0.0	0.0	0.0	0.0	1,651.4	0.0
2042	3	1,650.2	0.0	0.0	0.0	0.0	0.0	1,650.2	0.0
2042	4	1,649.1	0.0	0.0	0.0	0.0	0.0	1,649.1	0.0
2042	5	1,648.0	0.0	0.0	0.0	0.0	0.0	1,648.0	0.0
2042	6	1,646.8	0.0	0.0	0.0	0.0	0.0	1,646.8	0.0
2042	7	1,645.7	0.0	0.0	0.0	0.0	0.0	1,645.7	0.0
2042	8	1,644.6	0.0	0.0	0.0	0.0	0.0	1,644.6	0.0
2042	9	1,643.4	0.0	0.0	0.0	0.0	0.0	1,643.4	0.0
2042	10	1,642.3	0.0	0.0	0.0	0.0	0.0	1,642.3	0.0
2042	11	1,641.2	0.0	0.0	0.0	0.0	0.0	1,641.2	0.0
2042	12	1,640.0	0.0	0.0	0.0	0.0	0.0	1,640.0	0.0
2043	1	1,638.9	0.0	0.0	0.0	0.0	0.0	1,638.9	0.0
2043	2	1,637.8	0.0	0.0	0.0	0.0	0.0	1,637.8	0.0
2043	3	1,636.7	0.0	0.0	0.0	0.0	0.0	1,636.7	0.0
2043	4	1,635.5	0.0	0.0	0.0	0.0	0.0	1,635.5	0.0
2043	5	1,634.4	0.0	0.0	0.0	0.0	0.0	1,634.4	0.0
2043	6	1,633.3	0.0	0.0	0.0	0.0	0.0	1,633.3	0.0
2043	7	1,632.2	0.0	0.0	0.0	0.0	0.0	1,632.2	0.0
2043	8	1,631.0	0.0	0.0	0.0	0.0	0.0	1,631.0	0.0
2043	9	1,629.9	0.0	0.0	0.0	0.0	0.0	1,629.9	0.0
2043	10	1,628.8	0.0	0.0	0.0	0.0	0.0	1,628.8	0.0
2043	11	1,627.7	0.0	0.0	0.0	0.0	0.0	1,627.7	0.0
2043	12	1,626.5	0.0	0.0	0.0	0.0	0.0	1,626.5	0.0
2044	1	1,625.4	0.0	0.0	0.0	0.0	0.0	1,625.4	0.0
2044	2	1,624.3	0.0	0.0	0.0	0.0	0.0	1,624.3	0.0
2044	3	1,623.2	0.0	0.0	0.0	0.0	0.0	1,623.2	0.0
2044	4	1,622.1	0.0	0.0	0.0	0.0	0.0	1,622.1	0.0
2044	5	1,620.9	0.0	0.0	0.0	0.0	0.0	1,620.9	0.0
2044	6	1,619.8	0.0	0.0	0.0	0.0	0.0	1,619.8	0.0
2044	7	1,618.7	0.0	0.0	0.0	0.0	0.0	1,618.7	0.0
2044	8	1,617.6	0.0	0.0	0.0	0.0	0.0	1,617.6	0.0
2044	9	1,616.5	0.0	0.0	0.0	0.0	0.0	1,616.5	0.0
2044	10	1,615.4	0.0	0.0	0.0	0.0	0.0	1,615.4	0.0
2044	11	1,614.3	0.0	0.0	0.0	0.0	0.0	1,614.3	0.0
2044	12	1,613.1	0.0	0.0	0.0	0.0	0.0	1,613.1	0.0
2045	1	1,612.0	0.0	0.0	0.0	0.0	0.0	1,612.0	0.0
2045	2	1,610.9	0.0	0.0	0.0	0.0	0.0	1,610.9	0.0
2045	3	1,609.8	0.0	0.0	0.0	0.0	0.0	1,609.8	0.0
2045	4	1,608.7	0.0	0.0	0.0	0.0	0.0	1,608.7	0.0
2045	5	1,607.6	0.0	0.0	0.0	0.0	0.0	1,607.6	0.0
2045	6	1,606.5	0.0	0.0	0.0	0.0	0.0	1,606.5	0.0
2045	7	1,605.4	0.0	0.0	0.0	0.0	0.0	1,605.4	0.0
2045	8	1,604.3	0.0	0.0	0.0	0.0	0.0	1,604.3	0.0
2045	9	1,603.2	0.0	0.0	0.0	0.0	0.0	1,603.2	0.0
2045	10	1,602.1	0.0	0.0	0.0	0.0	0.0	1,602.1	0.0
2045	11	1,601.0	0.0	0.0	0.0	0.0	0.0	1,601.0	0.0
2045	12	1,599.9	0.0	0.0	0.0	0.0	0.0	1,599.9	0.0

Year	Month	Actual	Pred	Upper	Lower	Sigma
2009	1	2,206.0				
2009	2	2,143.0				
2009	3	2,208.0	2164.33196	2213.028167	2115.635753	24.55927925
2009	4	2,161.0	2181.8188	2230.515007	2133.122593	24.55927925
2009	5	2,145.0	2176.383492	2225.079699	2127.687285	24.55927925
2009	6	2,147.0	2148.906366	2197.602574	2100.210159	24.55927925
2009	7	2,162.0	2144.23157	2192.927777	2095.535363	24.55927925
2009	8	2,141.0	2154.398086	2203.094293	2105.701879	24.55927925
2009	9	2,153.0	2146.763729	2195.459936	2098.067522	24.55927925
2009	10	2,160.0	2146.518734	2195.214941	2097.822527	24.55927925
2009	11	2,159.0	2155.365711	2204.061918	2106.669504	24.55927925
2009	12	2,169.0	2157.332392	2206.028599	2108.636185	24.55927925
2010	1	2,128.0	2163.245063	2211.94127	2114.548855	24.55927925
2010	2	2,176.0	2141.190345	2189.886552	2092.494138	24.55927925
2010	3	2,170.0	2156.151203	2204.84741	2107.454996	24.55927925
2010	4	2,153.0	2170.175593	2218.8718	2121.479385	24.55927925
2010	5	2,128.0	2157.269531	2205.965738	2108.573324	24.55927925
2010	6	2,121.0	2135.25887	2183.955078	2086.562663	24.55927925
2010	7	2,152.0	2121.592571	2170.288778	2072.896364	24.55927925
2010	8	2,139.0	2138.476053	2187.17226	2089.779846	24.55927925
2010	9	2,154.0	2141.79988	2190.496087	2093.103673	24.55927925
2010	10	2,154.0	2146.405638	2195.101846	2097.709431	24.55927925
2010	11	2,152.0	2151.966395	2200.662603	2103.270188	24.55927925
2010	12	2,157.0	2150.709718	2199.405925	2102.013511	24.55927925
2011	1	2,153.0	2153.109977	2201.806185	2104.41377	24.55927925
2011	2	2,122.0	2152.450208	2201.146415	2103.754001	24.55927925
2011	3	2,082.0	2131.488838	2180.185045	2082.792631	24.55927925
2011	4	1,986.0	1995.469181	2058.143878	1932.794483	31.60914348
2011	5	2,110.0	2122.324749	2184.872485	2059.777014	31.54511199
2011	6	2,069.0	2073.653275	2122.349482	2024.957068	24.55927925
2011	7	2,042.0	2067.358835	2116.055042	2018.662628	24.55927925
2011	8	2,079.0	2050.081498	2098.777705	2001.385291	24.55927925
2011	9	2,063.0	2063.32067	2112.016877	2014.624462	24.55927925
2011	10	2,038.0	2066.983783	2115.67999	2018.287576	24.55927925
2011	11	2,078.0	2045.34384	2094.040047	1996.647633	24.55927925
2011	12	2,073.0	2061.209462	2109.905669	2012.513255	24.55927925
2012	1	2,068.0	2072.896454	2121.592661	2024.200247	24.55927925
2012	2	2,083.0	2067.901174	2116.597381	2019.204967	24.55927925
2012	3	2,072.0	2075.47267	2124.168877	2026.776463	24.55927925
2012	4	2,096.0	2074.121701	2122.817908	2025.425494	24.55927925
2012	5	2,069.0	2085.123942	2133.82015	2036.427735	24.55927925
2012	6	2,081.0	2077.056007	2125.752214	2028.3598	24.55927925
2012	7	2,067.0	2074.58671	2123.282917	2025.890503	24.55927925
2012	8	2,074.0	2070.238573	2118.93478	2021.542365	24.55927925
2012	9	2,083.0	2069.446904	2118.143111	2020.750697	24.55927925
2012	10	2,090.0	2077.696973	2126.39318	2029.000766	24.55927925
2012	11	2,104.0	2085.431798	2134.128005	2036.735591	24.55927925
2012	12	2,114.0	2096.823561	2145.519768	2048.127354	24.55927925
2013	1	2,114.0	2108.296988	2156.993195	2059.600781	24.55927925
2013	2	2,100.0	2112.00416	2160.700367	2063.307953	24.55927925
2013	3	2,085.0	2103.207417	2151.903624	2054.51121	24.55927925
2013	4	2,078.0	2088.592296	2137.288503	2039.896089	24.55927925
2013	5	2,059.0	2078.633167	2127.329375	2029.93696	24.55927925
2013	6	2,054.0	2064.099711	2112.795918	2015.403504	24.55927925
2013	7	2,047.0	2053.914392	2102.610599	2005.218185	24.55927925
2013	8	2,037.0	2047.662435	2096.358642	1998.966228	24.55927925
2013	9	2,046.0	2038.784027	2087.480234	1990.08782	24.55927925
2013	10	2,098.0	2040.731905	2089.428112	1992.035698	24.55927925
2013	11	2,044.0	2076.741975	2125.438182	2028.045767	24.55927925
2013	12	2,124.0	2103.734865	2166.186771	2041.282959	31.49678172
2014	1	2,097.0	2066.169619	2114.865826	2017.473412	24.55927925
2014	2	2,092.0	2089.590726	2138.286933	2040.894519	24.55927925
2014	3	2,049.0	2091.878516	2140.574723	2043.182309	24.55927925
2014	4	2,036.0	2063.006363	2111.70257	2014.310156	24.55927925
2014	5	2,095.0	2038.897123	2087.59333	1990.200916	24.55927925
2014	6	2,034.0	2071.149787	2119.845994	2022.45358	24.55927925
2014	7	2,044.0	2054.693433	2103.38964	2005.997226	24.55927925
2014	8	1,950.0	1934.896732	1996.618799	1873.174665	31.12869725
2014	9	2,076.0	2048.018318	2096.714525	1999.322111	24.55927925
2014	10	2,059.0	2065.686423	2114.38263	2016.990216	24.55927925
2014	11	2,074.0	2063.358277	2112.054484	2014.66207	24.55927925
2014	12	2,070.0	2066.481167	2115.177374	2017.78496	24.55927925
2015	1	2,084.0	2069.528569	2118.224776	2020.832362	24.55927925
2015	2	2,058.0	2076.842443	2125.53865	2028.146236	24.55927925
2015	3	2,053.0	2065.695675	2114.391882	2016.999468	24.55927925

2015	4	2,042.0	2052.915336	2101.611543	2004.219129	24.55927925
2015	5	2,022.0	2044.150024	2092.846231	1995.453817	24.55927925
2015	6	2,017.0	2027.50536	2076.201567	1978.809153	24.55927925
2015	7	1,961.0	2016.949324	2065.645531	1968.253117	24.55927925
2015	8	2,016.0	1979.908767	2028.604974	1931.21256	24.55927925
2015	9	2,020.0	1993.70724	2042.403447	1945.011033	24.55927925
2015	10	2,028.0	2016.610037	2065.306244	1967.91383	24.55927925
2015	11	2,039.0	2023.119616	2071.815823	1974.423409	24.55927925
2015	12	2,049.0	2032.997079	2081.693286	1984.300872	24.55927925
2016	1	2,059.0	2043.358355	2092.054562	1994.662148	24.55927925
2016	2	2,034.0	2053.348914	2102.045121	2004.652707	24.55927925
2016	3	2,084.0	2041.347616	2090.043824	1992.651409	24.55927925
2016	4	2,048.0	2063.496626	2112.192833	2014.800419	24.55927925
2016	5	2,054.0	2059.412287	2108.108494	2010.71608	24.55927925
2016	6	2,014.0	2049.836503	2098.53271	2001.140296	24.55927925
2016	7	2,002.0	2026.927256	2075.623463	1978.231048	24.55927925
2016	8	2,000.0	2004.558505	2053.254712	1955.862298	24.55927925
2016	9	2,019.0	1998.853222	2047.549429	1950.157015	24.55927925
2016	10	1,998.0	2010.050224	2058.746431	1961.354017	24.55927925
2016	11	2,025.0	2003.898736	2052.594943	1955.202529	24.55927925
2016	12	2,081.0	2013.078823	2061.77503	1964.382616	24.55927925
2017	1	2,044.0	2058.275156	2106.971363	2009.578949	24.55927925
2017	2	2,007.0	2055.786781	2104.482988	2007.090574	24.55927925
2017	3	2,041.0	2018.821713	2067.51792	1970.125506	24.55927925
2017	4	2,028.0	2026.468697	2075.164904	1977.77249	24.55927925
2017	5	2,009.0	2030.904676	2079.600883	1982.208468	24.55927925
2017	6	2,020.0	2014.146916	2062.843123	1965.450709	24.55927925
2017	7	2,016.0	2014.015017	2062.711224	1965.31881	24.55927925
2017	8	2,003.0	2015.579551	2064.275758	1966.883344	24.55927925
2017	9	1,906.0	1896.557866	1958.291592	1834.82414	31.13457704
2017	10	1,990.0	2008.881765	2057.577972	1960.185558	24.55927925
2017	11	2,055.0	1997.526475	2046.222682	1948.830268	24.55927925
2017	12	2,063.0	2028.963248	2077.659456	1980.267041	24.55927925
2018	1	2,070.0	2058.086572	2106.782779	2009.390365	24.55927925
2018	2	2,090.0	2065.45068	2114.146888	2016.754473	24.55927925
2018	3	2,051.0	2080.612476	2129.308683	2031.916269	24.55927925
2018	4	2,034.0	2063.521606	2112.217814	2014.825399	24.55927925
2018	5	2,021.0	2038.381879	2087.078086	1989.685672	24.55927925
2018	6	2,004.0	2023.911284	2072.607491	1975.215077	24.55927925
2018	7		2008.410203	2057.10641	1959.713996	24.55927925
2018	8		2004.879113	2053.57532	1956.182906	24.55927925
2018	9		2004.29533	2052.991537	1955.599122	24.55927925
2018	10		2002.61948	2051.315688	1953.923273	24.55927925
2018	11		2001.350061	2050.046268	1952.653854	24.55927925
2018	12		1999.93117	2048.627377	1951.234963	24.55927925
2019	1		1998.56903	2047.265237	1949.872823	24.55927925
2019	2		1997.187137	2054.69836	1939.675915	29.00501412
2019	3		1995.813872	2064.350056	1927.277688	34.56530562
2019	4		1994.438705	2071.28866	1917.58875	38.75824473
2019	5		1993.065541	2077.787993	1908.34309	42.72863271
2019	6		1991.692931	2083.474464	1899.911398	46.28878592
2019	7		1990.321412	2088.693465	1891.949359	49.61262615
2019	8		1988.950783	2093.474546	1884.42702	52.71515882
2019	9		1987.581118	2097.911932	1877.250303	55.64386721
2019	10		1986.212389	2102.050141	1870.374636	58.42121761
2019	11		1984.844605	2105.932738	1863.756472	61.06917664
2019	12		1983.477762	2109.590852	1857.364672	63.60344634
2020	1		1982.11186	2113.050778	1851.172943	66.03728763
2020	2		1980.7469	2116.333669	1845.16013	68.38136964
2020	3		1979.382879	2119.457294	1839.308464	70.64465352
2020	4		1978.019797	2122.43658	1833.603015	72.8346683
2020	5		1976.657654	2125.284273	1828.031035	74.95784302
2020	6		1975.296449	2128.011341	1822.581558	77.01970844
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2020	8		1972.576851	2133.140497	1812.013205	80.97812251
2020	9		1971.218456	2135.558254	1806.878659	82.88257404
2020	10		1969.860997	2137.887081	1801.834914	84.74170272
2020	11		1968.504473	2140.132773	1796.876173	86.5584324
2020	12		1967.148883	2142.300524	1791.997241	88.33538244
2021	1		1965.794226	2144.395008	1787.193443	90.07491038
2021	2		1964.440502	2146.42045	1782.460554	91.7791473
2021	3		1963.08771	2148.380684	1777.794737	93.45002716
2021	4		1961.73585	2150.279201	1773.1925	95.08931148
2021	5		1960.384921	2152.119194	1768.650648	96.69861018
2021	6		1959.034922	2153.903588	1764.166257	98.27939927
2021	7		1957.685853	2155.635074	1759.736632	99.83303598

2021	8	1956.337713	2157.316133	1755.359293	101.3607718
2021	9	1954.990501	2158.949057	1751.031946	102.8637635
2021	10	1953.644217	2160.535972	1746.752462	104.3430832
2021	11	1952.29886	2162.078852	1742.518869	105.7997267
2021	12	1950.95443	2163.579534	1738.329326	107.2346208
2022	1	1949.610925	2165.03973	1734.182121	108.6486297
2022	2	1948.268346	2166.461042	1730.07565	110.0425613
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2022	8	1940.232263	2174.250162	1706.214364	118.0237902
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2022	11	1936.22666	2177.722863	1694.730457	121.7953725
2022	12	1934.893297	2178.82464	1690.961955	123.0235026
2023	1	1933.560853	2179.899961	1687.221745	124.2378269
2023	2	1932.229326	2180.949626	1683.509027	125.4387487
2023	3	1930.898717	2181.974393	1679.82304	126.6266517
2023	4	1929.569023	2182.974987	1676.163059	127.801901
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2023	6	1926.912383	2184.906382	1668.918383	130.1158151
2023	7	1925.585435	2185.838469	1665.3324	131.2551292
2023	8	1924.2594	2186.748959	1661.769841	132.3830902
2023	9	1922.934279	2187.638425	1658.230132	133.4999879
2023	10	1921.61007	2188.507418	1654.712722	134.6060998
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2024	4	1913.683945	2193.319454	1634.048436	141.0304204
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2034	12	1752.168056	2214.546817	1289.789295	233.1945295
2035	1	1750.961444	2214.385812	1287.537075	233.7218678
2035	2	1749.755662	2214.221849	1285.289475	234.2472952
2035	3	1748.550711	2214.054956	1283.046466	234.7708258
2035	4	1747.34659	2213.885158	1280.808021	235.2924731
2035	5	1746.143297	2213.712483	1278.574112	235.8122507
2035	6	1744.940834	2213.536954	1276.344713	236.3301718
2035	7	1743.739198	2213.358599	1274.119797	236.8462495
2035	8	1742.53839	2213.177443	1271.899338	237.360497
2035	9	1741.338409	2212.99351	1269.683309	237.8729271
2035	10	1740.139255	2212.806824	1267.471685	238.3835524
2035	11	1738.940926	2212.617411	1265.264441	238.8923854
2035	12	1737.743422	2212.425294	1263.06155	239.3994387
2036	1	1736.546743	2212.230496	1260.86299	239.9047243
2036	2	1735.350888	2212.033042	1258.668734	240.4082545
2036	3	1734.155857	2211.832955	1256.478758	240.9100411
2036	4	1732.961648	2211.630257	1254.293039	241.410096
2036	5	1731.768262	2211.42497	1252.111553	241.908431
2036	6	1730.575698	2211.217118	1249.934277	242.4050574
2036	7	1729.383955	2211.006723	1247.761186	242.8999868
2036	8	1728.193032	2210.793805	1245.592259	243.3932304
2036	9	1727.00293	2210.578387	1243.427472	243.8847995
2036	10	1725.813647	2210.360491	1241.266804	244.374705
2036	11	1724.625183	2210.140136	1239.110231	244.8629578
2036	12	1723.437538	2209.917344	1236.957732	245.3495688
2037	1	1722.250711	2209.692136	1234.809285	245.8345486
2037	2	1721.064701	2209.464532	1232.664869	246.3179077
2037	3	1719.879507	2209.234552	1230.524463	246.7996567
2037	4	1718.69513	2209.002215	1228.388045	247.2798057
2037	5	1717.511568	2208.767543	1226.255594	247.7583651
2037	6	1716.328822	2208.530553	1224.127091	248.235345
2037	7	1715.14689	2208.291266	1222.002514	248.7107553
2037	8	1713.965771	2208.0497	1219.881843	249.1846058
2037	9	1712.785467	2207.805874	1217.765059	249.6569065
2037	10	1711.605975	2207.559807	1215.652142	250.1276669
2037	11	1710.427295	2207.311517	1213.543072	250.5968967
2037	12	1709.249427	2207.061023	1211.437831	251.0646052
2038	1	1708.07237	2206.808342	1209.336397	251.530802
2038	2	1706.896123	2206.553493	1207.238754	251.9954962
2038	3	1705.720687	2206.296492	1205.144882	252.458697
2038	4	1704.54606	2206.037358	1203.054762	252.9204135
2038	5	1703.372242	2205.776108	1200.968377	253.3806547
2038	6	1702.199232	2205.512758	1198.885707	253.8394295
2038	7	1701.027031	2205.247326	1196.806735	254.2967466
2038	8	1699.855636	2204.979828	1194.731444	254.7526149
2038	9	1698.685048	2204.710281	1192.659815	255.207043
2038	10	1697.515266	2204.438702	1190.59183	255.6600393
2038	11	1696.34629	2204.165106	1188.527474	256.1116123
2038	12	1695.178118	2203.889509	1186.466728	256.5617705
2039	1	1694.010751	2203.611928	1184.409575	257.010522
2039	2	1692.844188	2203.332378	1182.355999	257.4578751
2039	3	1691.678429	2203.050875	1180.305983	257.903838
2039	4	1690.513472	2202.767433	1178.25951	258.3484186
2039	5	1689.349317	2202.48207	1176.216565	258.7916249
2039	6	1688.185964	2202.194798	1174.177131	259.2334649
2039	7	1687.023413	2201.905634	1172.141191	259.6739462
2039	8	1685.861661	2201.614592	1170.108731	260.1130768
2039	9	1684.70071	2201.321687	1168.079733	260.5508641
2039	10	1683.540558	2201.026933	1166.054184	260.9873159
2039	11	1682.381206	2200.730345	1164.032067	261.4224396
2039	12	1681.222651	2200.431936	1162.013366	261.8562427
2040	1	1680.064895	2200.131722	1159.998068	262.2887325
2040	2	1678.907935	2199.829715	1157.986156	262.7199164
2040	3	1677.751773	2199.52593	1155.977616	263.1498016
2040	4	1676.596406	2199.22038	1153.972433	263.5783952
2040	5	1675.441835	2198.913079	1151.970592	264.0057044
2040	6	1674.28806	2198.60404	1149.972079	264.4317361
2040	7	1673.135079	2198.293277	1147.97688	264.8564975

2040	8	1671.982891	2197.980802	1145.98498	265.2799953
2040	9	1670.831498	2197.66663	1143.996366	265.7022364
2040	10	1669.680897	2197.350771	1142.011022	266.1232276
2040	11	1668.531088	2197.03324	1140.028936	266.5429756
2040	12	1667.382072	2196.714049	1138.050094	266.9614871
2041	1	1666.233846	2196.393211	1136.074481	267.3787687
2041	2	1665.086411	2196.070738	1134.102085	267.7948269
2041	3	1663.939767	2195.746642	1132.132892	268.2096682
2041	4	1662.793912	2195.420935	1130.166889	268.623299
2041	5	1661.648846	2195.09363	1128.204062	269.0357257
2041	6	1660.504569	2194.764738	1126.244399	269.4469546
2041	7	1659.36108	2194.434272	1124.287887	269.8569919
2041	8	1658.218378	2194.102243	1122.334512	270.2658439
2041	9	1657.076463	2193.768663	1120.384262	270.6735167
2041	10	1655.935334	2193.433543	1118.437125	271.0800164
2041	11	1654.794991	2193.096895	1116.493088	271.485349
2041	12	1653.655434	2192.75873	1114.552138	271.8895205
2042	1	1652.516661	2192.419059	1112.614263	272.2925369
2042	2	1651.378673	2192.077894	1110.679452	272.694404
2042	3	1650.241468	2191.735245	1108.747691	273.0951276
2042	4	1649.105046	2191.391124	1106.818969	273.4947137
2042	5	1647.969407	2191.04554	1104.893274	273.8931678
2042	6	1646.83455	2190.698506	1102.970594	274.2904957
2042	7	1645.700474	2190.350032	1101.050917	274.686703
2042	8	1644.56718	2190.000127	1099.134232	275.0817953
2042	9	1643.434666	2189.648803	1097.220528	275.4757782
2042	10	1642.302931	2189.29607	1095.309792	275.8686571
2042	11	1641.171976	2188.941939	1093.402014	276.2604376
2042	12	1640.0418	2188.586419	1091.497182	276.6511249
2043	1	1638.912402	2188.22952	1089.595285	277.0407246
2043	2	1637.783782	2187.871253	1087.696311	277.4292419
2043	3	1636.655939	2187.511628	1085.800251	277.816682
2043	4	1635.528873	2187.150654	1083.907093	278.2030502
2043	5	1634.402583	2186.788341	1082.016826	278.5883518
2043	6	1633.277069	2186.424698	1080.129439	278.9725918
2043	7	1632.152329	2186.059736	1078.244922	279.3557754
2043	8	1631.028365	2185.693464	1076.363265	279.7379076
2043	9	1629.905174	2185.325892	1074.484456	280.1189935
2043	10	1628.782756	2184.957028	1072.608485	280.499038
2043	11	1627.661112	2184.586882	1070.735342	280.8780461
2043	12	1626.54024	2184.215463	1068.865017	281.2560227
2044	1	1625.42014	2183.84278	1066.9975	281.6329727
2044	2	1624.300811	2183.468843	1065.13278	282.0089009
2044	3	1623.182253	2183.09366	1063.270847	282.383812
2044	4	1622.064465	2182.71724	1061.411691	282.7577109
2044	5	1620.947447	2182.339592	1059.555303	283.1306023
2044	6	1619.831199	2181.960725	1057.701673	283.5024909
2044	7	1618.715719	2181.580647	1055.85079	283.8733812
2044	8	1617.601007	2181.199368	1054.002646	284.2432779
2044	9	1616.487063	2180.816895	1052.157231	284.6121857
2044	10	1615.373886	2180.433237	1050.314535	284.9801089
2044	11	1614.261475	2180.048402	1048.474548	285.3470521
2044	12	1613.149831	2179.6624	1046.637262	285.7130199
2045	1	1612.038952	2179.275237	1044.802666	286.0780166
2045	2	1610.928838	2178.886923	1042.970752	286.4420466
2045	3	1609.819488	2178.497465	1041.141511	286.8051144
2045	4	1608.710903	2178.106872	1039.314933	287.1672241
2045	5	1607.603081	2177.715151	1037.49101	287.5283803
2045	6	1606.496021	2177.322311	1035.669732	287.888587
2045	7	1605.389724	2176.928359	1033.85109	288.2478486
2045	8	1604.284189	2176.533303	1032.035076	288.6061693
2045	9	1603.179416	2176.137151	1030.22168	288.9635533
2045	10	1602.075403	2175.739911	1028.410894	289.3200046
2045	11	1600.97215	2175.34159	1026.60271	289.6755275
2045	12	1599.869657	2174.942196	1024.797118	290.030126

Year	Month	Predicted	Simulated	Diff	%Diff	YTD Diff
2009	1					
2009	2	827742.0411	791753.3462	35988.69487	4.347815271	
2009	3	826600.868	887179.7763	-60578.90833	-7.328677077	
2009	4	910687.7933	940527.7522	-29839.95896	-3.276639829	
2009	5	980547.6849	1053646.618	-73098.9326	-7.454908489	
2009	6	1053287.954	1106173.4	-52885.44571	-5.020986474	
2009	7	1126285.551	1127464.512	-1178.960648	-0.104676886	
2009	8	1117262.646	1157858.033	-40595.38711	-3.633468572	
2009	9	1124627.262	1103409.48	21217.7815	1.886650113	
2009	10	1098060.675	1065898.746	32161.92969	2.92897564	
2009	11	974542.9886	877159.9257	97383.0629	9.992690321	
2009	12	913438.1577	890056.2999	23381.85782	2.559763638	
2010	1	907025.975	918495.5168	-11469.5418	-1.264521868	-11469.5418
2010	2	854232.0775	835482.2942	18749.78329	2.194928496	7280.241485
2010	3	841828.1026	863973.5491	-22145.44651	-2.630637589	-14865.20502
2010	4	862260.2654	898078.9146	-35818.64924	-4.154041497	-50683.85426
2010	5	944907.403	1072833.335	-127925.9318	-13.53846223	-178609.7861
2010	6	1083300.414	1122949.574	-39649.16007	-3.660033685	-218258.9461
2010	7	1160116.161	1184373.221	-24257.06008	-2.090916488	-242516.0062
2010	8	1156332.646	1171322.065	-14989.41826	-1.296289464	-257505.4245
2010	9	1146412.544	1120571.454	25841.08962	2.254082945	-231664.3349
2010	10	1082255.931	1016145.263	66110.66787	6.108598343	-165553.667
2010	11	946250.9782	869569.4257	76681.55246	8.103722398	-88872.11454
2010	12	884024.0479	899666.6126	-15642.56469	-1.769472757	-104514.6792
2011	1	900029.0532	872044.4282	27984.62495	3.1093024	27984.62495
2011	2	849863.5858	818120.5365	31743.04931	3.735075821	59727.67426
2011	3	821376.8897	872378.5992	-51001.70948	-6.209294432	8725.964778
2011	4	880956.0962	972832.4761	-91876.37995	-10.42916671	-83150.41517
2011	5	1035690.49	1076203.864	-40513.37406	-3.911725991	-123663.7892
2011	6	1079253.905	1115795.512	-36541.60703	-3.385821155	-160205.3963
2011	7	1141334.43	1163046.228	-21711.79786	-1.90231691	-181917.1941
2011	8	1175358.027	1172922.807	2435.219511	0.207189593	-179481.9746
2011	9	1150199.841	1107765.719	42434.12244	3.689282586	-137047.8522
2011	10	1061701.807	970397.2963	91304.51098	8.599826274	-45743.34119
2011	11	912977.8656	880880.3581	32097.50746	3.515693936	-13645.83373
2011	12	904588.1136	864265.2882	40322.82538	4.457589568	26676.99165
2012	1	873402.9562	849933.1552	23469.80099	2.68716757	23469.80099
2012	2	830809.2914	838424.0764	-7614.784947	-0.916550287	15855.01605
2012	3	838098.8167	916889.5563	-78790.73959	-9.40112765	-62935.72354
2012	4	940066.4821	937175.9521	2890.529985	0.307481443	-60045.19356
2012	5	963709.4072	1077168.14	-113458.7328	-11.77312704	-173503.9264
2012	6	1073432.234	1071048.213	2384.02143	0.222093333	-171119.905
2012	7	1088040.888	1132781.663	-44740.77539	-4.112049087	-215860.6804
2012	8	1129476.91	1110781.91	18695.00027	1.655191009	-197165.6801
2012	9	1110483.955	1080830.193	29653.76213	2.670345842	-167511.918
2012	10	1059545.455	1013872.785	45672.67023	4.310590924	-121839.2477
2012	11	919053.6231	818206.4068	100847.2163	10.97294148	-20992.03145
2012	12	886586.9477	877977.0216	8609.9261	0.97113161	-12382.10535
2013	1	871395.1347	852634.1837	18760.95107	2.152978634	18760.95107
2013	2	828577.2695	794911.772	33665.49746	4.063048638	52426.44853
2013	3	817424.4467	841472.928	-24048.48136	-2.941982156	28377.96717
2013	4	875108.3544	936825.2022	-61716.84774	-7.052480693	-33338.88057
2013	5	961857.1586	996960.0382	-35102.87966	-3.64948988	-68441.76023
2013	6	1052364.601	1088263.016	-35898.41557	-3.411214664	-104340.1758
2013	7	1102864.063	1115896.032	-13031.96904	-1.18164781	-117372.1448
2013	8	1093972.66	1150821.923	-56849.26263	-5.196588972	-174221.4075
2013	9	1138746.308	1093775.58	44970.72782	3.949143676	-129250.6797
2013	10	1059297.788	1022654.012	36643.77568	3.459251601	-92606.90399
2013	11	925452.1473	860490.4485	64961.69874	7.019455186	-27645.20525
2013	12	916369.6727	892206.8696	24162.80314	2.636796465	-3482.402106
2014	1	895708.7204	860781.9591	34926.76124	3.899343665	34926.76124
2014	2	867317.9724	796404.208	70913.76434	8.176212946	105840.5256
2014	3	801076.674	835124.9422	-34048.2682	-4.250313273	71792.25738
2014	4	870697.5181	931874.5515	-61177.03346	-7.026209698	10615.22392
2014	5	979867.2874	1064349.765	-84482.47753	-8.621828549	-73867.2536
2014	6	1078129.137	1098415.724	-20286.58682	-1.881647209	-94153.84043
2014	7	1111548.428	1142330.121	-30781.6926	-2.769262392	-124935.533
2014	8	1178730.083	1228232.176	-49502.09307	-4.199612258	-174437.6261
2014	9	1148443.196	1027016.08	121427.1168	10.5731931	-53010.50932
2014	10	1030540.142	997556.8969	32983.24474	3.200578357	-20027.26458
2014	11	932288.5105	861131.1027	71157.4078	7.632552262	51130.14322
2014	12	900206.9005	887134.9912	13071.90925	1.452100538	64202.05247
2015	1	928813.6659	886812.3141	42001.35171	4.522042822	42001.35171
2015	2	821913.5811	783430.1025	38483.47861	4.682180644	80484.83032
2015	3	853842.264	940462.9324	-86620.66839	-10.14480918	-6135.838075

2015	4	948390.4429	1015867.361	-67476.91783	-7.114888002	-73612.75591
2015	5	1009387.664	1066135.1	-56747.4356	-5.621966429	-130360.1915
2015	6	1106586.583	1120566.748	-13980.16453	-1.263359302	-144340.356
2015	7	1134839.191	1146225.784	-11386.59342	-1.003366249	-155726.9495
2015	8	1117816.06	1156505.923	-38689.86371	-3.461201275	-194416.8132
2015	9	1175409.869	1143356.614	32053.25511	2.726985365	-162363.5581
2015	10	1066115.458	1026200.544	39914.91367	3.743957877	-122448.6444
2015	11	999241.0494	958202.3489	41038.70052	4.106987052	-81409.94387
2015	12	957137.1993	938936.2025	18200.9968	1.901607921	-63208.94707
2016	1	937255.2017	891450.5584	45804.64325	4.887104726	45804.64325
2016	2	868486.2327	843131.5972	25354.63544	2.919405569	71159.2787
2016	3	825773.5119	909771.6326	-83998.12072	-10.17205317	-12838.84203
2016	4	922418.2404	902434.871	19983.36942	2.166410913	7144.527393
2016	5	980184.2366	1086195.91	-106011.6738	-10.81548446	-98867.14641
2016	6	1103505.987	1145554.403	-42048.41594	-3.810438406	-140915.5624
2016	7	1193645.49	1231854.975	-38209.48577	-3.201074868	-179125.0481
2016	8	1165199.9	1191715.714	-26515.8135	-2.27564502	-205640.8616
2016	9	1204168.889	1123657.232	80511.65672	6.686076803	-125129.2049
2016	10	1124235.716	1060840.864	63394.85262	5.638928892	-61734.35229
2016	11	938873.8537	856744.1302	82129.72353	8.747684602	20395.37124
2016	12	882511.2611	906655.7109	-24144.44975	-2.735880075	-3749.078507
2017	1	953124.9783	921036.123	32088.85532	3.366699651	32088.85532
2017	2	845070.8461	799985.1793	45085.66687	5.335134571	77174.52219
2017	3	879669.106	940186.1652	-60517.05922	-6.879525359	16657.46297
2017	4	919327.3253	985963.1757	-66635.85036	-7.248326959	-49978.38739
2017	5	1003533.517	1075533.294	-71999.77732	-7.174626071	-121978.1647
2017	6	1077666.082	1086639.145	-8973.062771	-0.832638507	-130951.2275
2017	7	1152704.328	1199368.95	-46664.62166	-4.04827331	-177615.8491
2017	8	1160120.842	1163065.43	-2944.588261	-0.253817374	-180560.4374
2017	9	1156283.068	1120615.076	35667.99188	3.084711077	-144892.4455
2017	10	1054161.185	1002929.096	51232.08973	4.859986352	-93660.35579
2017	11	974515.0787	872813.5247	101701.554	10.43611907	8041.198176
2017	12	905671.7289	869250.3668	36421.36205	4.021474988	44462.56022
2018	1	878628.8166	867280.2696	11348.54698	1.291620167	11348.54698
2018	2	896241.959	908422.2866	-12180.32757	-1.359044558	-831.7805849
2018	3	921077.3608	915188.07	5889.290773	0.639391546	5057.510188
2018	4	937272.8769	984641.757	-47368.88009	-5.053904926	-42311.3699
2018	5	960335.8058	1052936.734	-92600.92829	-9.642557086	-134912.2982
2018	6	1094843.646	1128248.105	-33404.45889	-3.051071175	-168316.7571
2018	7	1137330.927	1159007.55	-21676.62309	-1.905920483	-189993.3802
2018	8	1171093.625	1168768.97	2324.654962	0.198502913	-187668.7252
2018	9	1150510.245	1146603.193	3907.051508	0.339592935	-183761.6737
2018	10	1131202.812	1085965.255	45237.55774	3.999066944	-138524.116
2018	11	1019909.65	915314.0286	104595.6213	10.25538109	-33928.49464
2018	12	936939.4535	900220.0804	36719.37308	3.919076409	2790.878439
2019	1	879059.1242	883422.1692	-4363.044995	-0.496331234	-4363.044995
2019	2	850204.9471	836704.5669	13500.38022	1.587897161	9137.335227
2019	3	885179.581	904462.2672	-19282.68619	-2.178392567	-10145.35097
2019	4	927003.5531	940013.6024	-13010.04932	-1.403451937	-23155.40029
2019	5	992507.0899	1082175.365	-89668.27552	-9.034522417	-112823.6758
2019	6	1109939.597	1128154.113	-18214.51584	-1.641036674	-131038.1917
2019	7	1154056.682	1190598.43	-36541.74738	-3.166373709	-167579.939
2019	8	1149386.216	1192826.028	-43439.81195	-3.77939211	-211019.751
2019	9	1169819.694	1125250.219	44569.4743	3.809943921	-166450.2767
2019	10	1090726.199	1035136.577	55589.62241	5.09656983	-110860.6543
2019	11	974563.6219	898108.5043	76455.11754	7.84506171	-34405.53675
2019	12	922264.1014	905455.266	16808.83537	1.822562034	-17596.70138
2020	1	933013.8246	893540.5243	39473.3003	4.230730485	39473.3003
2020	2	854667.3063	838609.8645	16057.44187	1.878794445	55530.74218
2020	3	856000.6139	917264.008	-61263.39408	-7.156933428	-5732.651899
2020	4	915451.38	946498.4406	-31047.06065	-3.391448342	-36779.71255
2020	5	969286.4927	1089807.543	-120521.05	-12.43399665	-157300.7625
2020	6	1111720.559	1136223.092	-24502.53342	-2.204019097	-181803.296
2020	7	1159147.348	1201504.159	-42356.81143	-3.654135215	-224160.1074
2020	8	1213471.904	1203214.179	10257.72527	0.845320377	-213902.3821
2020	9	1168626.138	1134013.181	34612.95658	2.961850283	-179289.4255
2020	10	1111991.777	1043152.222	68839.55484	6.19065323	-110449.8707
2020	11	966613.8369	905069.8683	61543.96864	6.36696541	-48905.90204
2020	12	950563.9356	913253.7822	37310.15338	3.92505459	-11595.74866
2021	1	982053.5869	902342.4618	79711.12502	8.116779581	79711.12502
2021	2	860276.5014	819982.5086	40293.99278	4.68384208	120005.1178
2021	3	865639.074	926846.9022	-61207.82821	-7.07082548	58797.28958
2021	4	928752.264	956076.6125	-27324.34854	-2.942049198	31472.94105
2021	5	983910.6386	1101010.1	-117099.4613	-11.90143258	-85626.52023
2021	6	1116559.103	1148007.631	-31448.52798	-2.816557395	-117075.0482
2021	7	1179009.965	1208076.047	-29066.08254	-2.465295749	-146141.1307

2021	8	1167645.664	1208754.457	-41108.79295	-3.520656498	-187249.9237
2021	9	1178449.001	1141939.793	36509.20792	3.098072797	-150740.7158
2021	10	1118557.098	1052163.665	66393.43307	5.935632	-84347.28272
2021	11	991363.3031	912441.0568	78922.24627	7.960981208	-5425.036449
2021	12	946738.0043	921059.8255	25678.1788	2.712279287	20253.14235
2022	1	942792.5044	911538.074	31254.43038	3.315091098	31254.43038
2022	2	872909.5946	827591.996	45317.59859	5.191556934	76572.02897
2022	3	873626.2521	936557.8991	-62931.64699	-7.203497701	13640.38197
2022	4	915929.7462	966148.4736	-50218.72748	-5.482814341	-36578.3455
2022	5	1011845.994	1113590.279	-101744.2845	-10.05531327	-138322.63
2022	6	1130274.804	1161685.157	-31410.35352	-2.779001479	-169732.9836
2022	7	1187740.632	1221628.093	-33887.46101	-2.85310278	-203620.4446
2022	8	1232929.406	1222194.391	10735.01545	0.870691817	-192885.4291
2022	9	1189748.107	1151183.188	38564.91865	3.241435598	-154320.5105
2022	10	1122466.972	1058681.089	63785.88308	5.682651219	-90534.62738
2022	11	992994.071	918086.8362	74907.23483	7.543573222	-15627.39255
2022	12	958487.1557	927244.8865	31242.26924	3.259539688	15614.87669
2023	1	945989.7079	915798.1768	30191.53111	3.191528497	30191.53111
2023	2	875602.7955	831157.5469	44445.24862	5.07596011	74636.77973
2023	3	878176.8552	941647.1251	-63470.26987	-7.227504288	11166.50986
2023	4	936828.5186	971510.1958	-34681.67726	-3.702030475	-23515.1674
2023	5	1003904.313	1120435.51	-116531.1965	-11.60779916	-140046.3639
2023	6	1140617.287	1169071.264	-28453.97641	-2.49461206	-168500.3403
2023	7	1198107.945	1229979.502	-31871.55755	-2.660157434	-200371.8978
2023	8	1238126.457	1230893.332	7233.12434	0.584199158	-193138.7735
2023	9	1200018.295	1159452.148	40566.14651	3.380460672	-152572.627
2023	10	1127108.915	1066594.576	60514.33978	5.368987766	-92058.2872
2023	11	1003397.516	924897.2166	78500.29961	7.823449664	-13557.9876
2023	12	964114.0934	934488.1815	29625.9119	3.07286369	16067.92431
2024	1	903997.4528	921672.9409	-17675.48811	-1.955258619	-17675.48811
2024	2	887091.2278	864120.124	22971.10385	2.589486078	5295.615734
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2024	5	1011194.796	1128464.869	-117270.0728	-11.59717923	-223465.1138
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2024	8	1248444.288	1239271.296	9172.991956	0.734753809	-231283.3926
2024	9	1214157.456	1167118.42	47039.03588	3.874212167	-184244.3568
2024	10	1130873.832	1073796.659	57077.17295	5.04717426	-127167.1838
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2024	12	956769.4703	940500.3242	16269.14603	1.70042487	-29276.58369
2025	1	1012031.091	927705.9329	84325.15781	8.33226949	84325.15781
2025	2	885292.9535	841201.6185	44091.33496	4.980423123	128416.4928
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2025	4	934155.5943	984464.3559	-50308.7616	-5.385479882	13877.21746
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2025	6	1167351.758	1184426.991	-17075.23324	-1.462732473	-100307.5308
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2025	9	1278597.511	1173962.806	104634.7058	8.183553061	-81409.43664
2025	10	1126955.358	1080190.926	46764.43201	4.149625953	-34645.00464
2025	11	1015128.338	936289.0313	78839.30693	7.766437401	44194.30229
2025	12	966931.692	945873.1502	21058.54181	2.177872748	65252.8441
2026	1	967224.7872	931800.5102	35424.27692	3.662465788	35424.27692
2026	2	886017.6615	844444.3321	41573.32936	4.69215583	76997.60628
2026	3	894022.0575	958591.0031	-64568.9456	-7.222298942	12428.66067
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2026	6	1170841.544	1188811.936	-17970.39294	-1.534827068	-149572.8678
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2026	9	1214811.236	1177589.929	37221.30742	3.063958111	-198220.6152
2026	10	1147581.085	1083355.605	64225.48054	5.596596297	-133995.1347
2026	11	1014510.652	938641.2826	75869.36904	7.478420155	-58125.76562
2026	12	975337.8676	948134.1584	27203.70922	2.789157493	-30922.05641
2027	1	972801.4915	935197.184	37604.30755	3.865568452	37604.30755
2027	2	890549.2786	847261.9573	43287.32126	4.860744071	80891.62881
2027	3	896650.9375	962447.7574	-65796.81983	-7.338064019	15094.80898
2027	4	965607.6618	992478.3467	-26870.68486	-2.782774611	-11775.87587
2027	5	1020121.995	1145390.448	-125268.4537	-12.27975226	-137044.3295
2027	6	1161895.248	1194468.613	-32573.36508	-2.803468311	-169617.6946
2027	7	1226381.978	1257088.791	-30706.81282	-2.503853887	-200324.5074
2027	8	1213876.319	1257796.707	-43920.38785	-3.618192988	-244244.8953
2027	9	1222290.61	1184044.264	38246.34618	3.129071423	-205998.5491
2027	10	1157874.456	1089593.237	68281.21841	5.897117607	-137717.3307
2027	11	1026399.308	944124.6015	82274.70694	8.015857597	-55442.62376

2027	12	981378.8265	953926.5396	27452.28693	2.797318038	-27990.33683
2028	1	927091.9901	941917.2249	-14825.23486	-1.599111525	-14825.23486
2028	2	950399.1632	882416.7509	67982.4123	7.153037895	53157.17744
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2028	4	995497.6306	1000382.973	-4885.342125	-0.490743722	-19744.66308
2028	5	1045015.153	1154792.903	-109777.7499	-10.50489551	-129522.413
2028	6	1175396.616	1204366.844	-28970.22809	-2.464719371	-158492.641
2028	7	1292537.281	1267804.573	24732.70816	1.913500564	-133759.9329
2028	8	1218463.762	1268710.097	-50246.33514	-4.123744728	-184006.268
2028	9	1297554.204	1194370.428	103183.7759	7.952174605	-80822.49214
2028	10	1149619.137	1099292.955	50326.18191	4.377639541	-30496.31023
2028	11	1005964.045	952441.0644	53522.98029	5.320565935	23026.67005
2028	12	970881.7102	962298.3902	8583.320026	0.884074747	31609.99008
2029	1	982072.0626	950972.9223	31099.14022	3.166686174	31099.14022
2029	2	907143.5514	861291.5334	45852.01798	5.054549295	76951.1582
2029	3	911802.4474	979473.0209	-67670.57351	-7.421626658	9280.584698
2029	4	973016.7505	1009990.639	-36973.88888	-3.799923163	-27693.30418
2029	5	1046547.848	1165940.025	-119392.1774	-11.408191	-147085.4816
2029	6	1189871.847	1215771.385	-25899.53874	-2.176666236	-172985.0203
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2029	8	1288371.629	1280456.126	7915.503623	0.614380466	-200109.232
2029	9	1253243.278	1205166.587	48076.6908	3.836181822	-152032.5412
2029	10	1163630.954	1109183.055	54447.8988	4.679138057	-97584.64237
2029	11	1045487.121	960817.7825	84669.33856	8.098553952	-12915.3038
2029	12	1000252.655	970630.9153	29621.7399	2.96142577	16706.4361
2030	1	940274.9976	955640.4148	-15365.41723	-1.634140785	-15365.41723
2030	2	913002.8126	865329.7829	47673.02974	5.22156439	32307.61251
2030	3	915488.7791	984513.962	-69025.18291	-7.539708239	-36717.5704
2030	4	1002154.909	1015288.471	-13133.56173	-1.310532096	-49851.13213
2030	5	1073270.634	1172517.516	-99246.88262	-9.247144151	-149098.0148
2030	6	1203914.62	1222761.557	-18846.93694	-1.565471224	-167944.9517
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2030	8	1238706.527	1287938.327	-49231.79947	-3.974452252	-258059.9595
2030	9	1261324.758	1212026.082	49298.676	3.908483971	-208761.2835
2030	10	1173950.583	1115196.575	58754.00824	5.004811029	-150007.2753
2030	11	1049113.666	965566.3499	83547.3157	7.963609515	-66459.95958
2030	12	994358.0522	975274.3414	19083.71079	1.9191991	-47376.24879
2031	1	1050801.581	960879.2037	89922.3772	8.557503037	89922.3772
2031	2	916399.3976	869947.7064	46451.69123	5.068935155	136374.0684
2031	3	921900.0976	990222.169	-68322.07135	-7.411005979	68051.99707
2031	4	979932.749	1021299.855	-41367.10627	-4.221422982	26684.8908
2031	5	1066323.476	1179818.632	-113495.1555	-10.64359531	-86810.26469
2031	6	1212896.015	1230458.683	-17562.66731	-1.447994477	-104372.932
2031	7	1254479.165	1295408.664	-40929.49967	-3.262668749	-145302.4317
2031	8	1246654.914	1296095.098	-49440.18414	-3.965827559	-194742.6158
2031	9	1329712.892	1219539.339	110173.5535	8.285514421	-84569.06235
2031	10	1170294.85	1121908.058	48386.79221	4.134581317	-36182.27014
2031	11	1053580.161	971027.7314	82552.42941	7.835419884	46370.15927
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2032	1	1005108.367	967044.6264	38063.74047	3.787028516	38063.74047
2032	2	919205.6509	905664.8628	13540.78812	1.473096701	51604.52859
2032	3	927292.6441	996912.0623	-69619.41813	-7.507815205	-18014.88954
2032	4	988630.6302	1028265.298	-39634.66729	-4.009047068	-57649.55684
2032	5	1068400.973	1188148.94	-119747.9669	-11.20814843	-177397.5237
2032	6	1209171.394	1239181.088	-30009.69308	-2.481839483	-207407.2168
2032	7	1268594.156	1304653.901	-36059.7448	-2.842496524	-243466.9616
2032	8	1259252.34	1305316.052	-46063.71189	-3.65802075	-289530.6735
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2032	11	1042613.609	977475.1693	65138.43948	6.247610709	-113325.6432
2032	12	991590.6084	987069.8162	4520.792169	0.455913169	-108804.851
2033	1	1055328.817	974020.4064	81308.41074	7.704557046	81308.41074
2033	2	932036.7615	881731.4554	50305.30606	5.397352137	131613.7168
2033	3	933524.0842	1004445.14	-70921.05611	-7.597131913	60692.66069
2033	4	980824.9295	1036172.022	-55347.09293	-5.642912539	5345.567756
2033	5	1086338.429	1197646.146	-111307.7171	-10.24613639	-105962.1493
2033	6	1215573.64	1249224.77	-33651.12988	-2.7683333	-139613.2792
2033	7	1278120.925	1315398.711	-37277.78605	-2.916608696	-176891.0653
2033	8	1328058.612	1316104.356	11954.25596	0.900130149	-164936.8093
2033	9	1280286.361	1238131.108	42155.25335	3.292642539	-122781.556
2033	10	1207030.931	1138706.318	68324.61236	5.660551906	-54456.9436
2033	11	1066454.817	985045.0344	81409.78282	7.633683257	26952.83922
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2034	1	1017983.068	983148.0361	34835.03195	3.421965752	34835.03195
2034	2	939187.3137	889950.5053	49236.80831	5.242490778	84071.84026
2034	3	942585.1192	1014125.279	-71540.15955	-7.589782408	12531.68071

2034	4	1008039.17	1046202.278	-38163.10818	-3.785875521	-25631.42748
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2034	6	1231072.519	1261673.36	-30600.84057	-2.485705764	-184413.4491
2034	7	1293556.521	1328647.066	-35090.54554	-2.712718383	-219503.9946
2034	8	1337460.376	1329415.698	8044.678633	0.601489119	-211459.316
2034	9	1295018.756	1250566.913	44451.84318	3.432525048	-167007.4728
2034	10	1215071.632	1149982.926	65088.70609	5.356779333	-101918.7667
2034	11	1080148.289	994502.6648	85645.62403	7.929061677	-16273.14267
2034	12	1037608.449	1003934.633	33673.81545	3.245329728	17400.67278
2035	1	1026710.938	993159.1051	33551.83308	3.267894773	33551.83308
2035	2	947172.5874	898974.8201	48197.76727	5.088593981	81749.60035
2035	3	957480.9237	1024739.093	-67258.16978	-7.024491885	14491.43057
2035	4	1019550.577	1057241.236	-37690.65942	-3.696791535	-23199.22885
2035	5	1089122.934	1222435.21	-133312.2765	-12.24033324	-156511.5054
2035	6	1247705.382	1275171.533	-27466.15111	-2.201333063	-183977.6565
2035	7	1305724.906	1342845.469	-37120.56357	-2.842908442	-221098.22
2035	8	1351920.643	1343538.54	8382.102559	0.620014392	-212716.1175
2035	9	1314660.385	1263739.166	50921.21899	3.873336383	-161794.8985
2035	10	1219690.063	1161987.836	57702.22708	4.73089261	-104092.6714
2035	11	1094378.305	1004679.594	89698.71055	8.196316592	-14393.96086
2035	12	1045942.99	1014005.047	31937.94285	3.053507042	17543.98199
2036	1	1034550.648	1003855.697	30694.95086	2.966983871	30694.95086
2036	2	957311.1457	940233.2861	17077.85961	1.78394033	47772.81047
2036	3	972329.0771	1036017.461	-63688.38366	-6.55008527	-15915.57319
2036	4	1061032.149	1068882.49	-7850.34094	-0.739877764	-23765.91413
2036	5	1062146.781	1235986.148	-173839.3672	-16.3667932	-197605.2813
2036	6	1265671.67	1289252.46	-23580.78994	-1.863104824	-221186.0712
2036	7	1311067.625	1357656.854	-46589.22927	-3.553533654	-267775.3005
2036	8	1368807.371	1358279.489	10527.88232	0.769128114	-257247.4182
2036	9	1393628.748	1277477.639	116151.1085	8.334436891	-141096.3097
2036	10	1225495.266	1174558.052	50937.21444	4.156459503	-90159.09526
2036	11	1095648.597	1015390.902	80257.69424	7.325130931	-9901.401018
2036	12	1055773.501	1024674.45	31099.05083	2.945617673	21197.64981
2037	1	1055943.624	1015133.539	40810.08491	3.864797701	40810.08491
2037	2	964848.9329	918814.7615	46034.17141	4.771127359	86844.25633
2037	3	974673.4297	1047886.272	-73212.84268	-7.511525445	13631.41365
2037	4	1028951.417	1081196.638	-52245.22125	-5.077520708	-38613.8076
2037	5	1141802.795	1250423.378	-108620.5831	-9.513077352	-147234.3907
2037	6	1284647.299	1304373.752	-19726.45217	-1.535553936	-166960.8429
2037	7	1332523.516	1373682.224	-41158.708	-3.088779111	-208119.5509
2037	8	1319456.257	1374328.221	-54871.96371	-4.158680018	-262991.5146
2037	9	1333936.335	1292505.483	41430.85183	3.105909236	-221560.6628
2037	10	1259309.052	1188272.643	71036.40942	5.640903581	-150524.2533
2037	11	1111447.847	1027085.188	84362.65933	7.590338991	-66161.59402
2037	12	1067775.152	1036328.466	31446.6853	2.945066221	-34714.90872
2038	1	1070235.911	1026745.137	43490.77384	4.063662357	43490.77384
2038	2	977518.3448	929381.9968	48136.34795	4.924342158	91627.12179
2038	3	985191.0187	1060208.564	-75017.54484	-7.614517735	16609.57695
2038	4	1070928.578	1093953.158	-23024.58069	-2.149964169	-6415.00374
2038	5	1117263.32	1265272.969	-148009.6491	-13.24751708	-154424.6529
2038	6	1283519.639	1319860.605	-36340.96653	-2.831352589	-190765.6194
2038	7	1355589.639	1390025.233	-34435.59389	-2.540266825	-225201.2133
2038	8	1341290.847	1390676.273	-49385.42601	-3.681932678	-274586.6393
2038	9	1350670.329	1307859.948	42810.38076	3.169565499	-231776.2585
2038	10	1278473.325	1202394.906	76078.41879	5.950723985	-155697.8397
2038	11	1131232.991	1039203.533	92029.45845	8.135323064	-63668.38127
2038	12	1080295.211	1048402.207	31893.00423	2.952248969	-31775.37704
2039	1	1078674.642	1039234.291	39440.35093	3.656371384	39440.35093
2039	2	994507.9138	940737.1017	53770.81212	5.406775691	93211.16306
2039	3	996574.653	1073456.895	-76882.24229	-7.714649581	16328.92077
2039	4	1060694.295	1107737.871	-47043.57576	-4.43516817	-30714.65499
2039	5	1148902.926	1281384.928	-132482.0027	-11.53117463	-163196.6577
2039	6	1300596.796	1336734.778	-36137.98232	-2.778569226	-199334.64
2039	7	1367758.626	1407852.646	-40094.01923	-2.931366577	-239428.6592
2039	8	1421393.083	1408527.397	12865.68606	0.905146241	-226562.9732
2039	9	1369939.634	1324625.604	45314.03061	3.307739222	-181248.9426
2039	10	1291163.013	1217816.922	73346.09138	5.680622093	-107902.8512
2039	11	1140006.477	1052499.645	87506.83128	7.675994222	-20396.01992
2039	12	1100532.39	1061761.434	38770.95548	3.522927252	18374.93556
2040	1	1091471.906	1049981.554	41490.3514	3.801321059	41490.3514
2040	2	999892.8234	983866.3515	16026.47186	1.602818971	57516.82326
2040	3	1006593.657	1085094.226	-78500.56867	-7.798635338	-20983.7454
2040	4	1067605.304	1119944.068	-52338.76411	-4.902445117	-73322.50951
2040	5	1162441.645	1295847.907	-133406.2627	-11.47638364	-206728.7722
2040	6	1315448.67	1352031.605	-36582.93555	-2.781023417	-243311.7077
2040	7	1383002.446	1424140.193	-41137.74736	-2.974524556	-284449.4551

2040	8	1435520.216	1424926.462	10593.75458	0.737973207	-273855.7005
2040	9	1388766.463	1340016.352	48750.11111	3.510317423	-225105.5894
2040	10	1305928.093	1231780.175	74147.91833	5.677794873	-150957.6711
2040	11	1152677.575	1064284.733	88392.84189	7.668479359	-62564.82919
2040	12	1121080.186	1073459.912	47620.27374	4.247713439	-14944.55545
2041	1	1099468.059	1064020.712	35447.34613	3.224045105	35447.34613
2041	2	1016666.805	963348.7777	53318.02685	5.244395373	88765.37298
2041	3	1020435.521	1099825.32	-79389.79849	-7.779991665	9375.57449
2041	4	1119807.127	1135271.814	-15464.68762	-1.381013502	-6089.113126
2041	5	1201037.291	1313821.478	-112784.1864	-9.390564912	-118873.2996
2041	6	1349439.418	1370860.913	-21421.49497	-1.587436581	-140294.7945
2041	7	1397571.129	1443973.28	-46402.15184	-3.320199658	-186696.9464
2041	8	1388822.885	1444678.978	-55856.09289	-4.021829816	-242553.0393
2041	9	1414349.044	1358411.473	55937.57132	3.955004711	-186615.4679
2041	10	1315091.519	1248396.402	66695.11703	5.071519058	-119920.3509
2041	11	1173215.513	1078349.387	94866.12573	8.085993125	-25054.22518
2041	12	1110294.806	1087456.162	22838.64388	2.056989167	-2215.5813
2042	1	1182376.657	1078597.239	103779.4181	8.777187665	103779.4181
2042	2	1028929.266	976649.3587	52279.90717	5.081001086	156059.3253
2042	3	1036216.821	1115280.559	-79063.73773	-7.630038048	76995.58755
2042	4	1116637.208	1151410.575	-34773.3667	-3.114114991	42222.22085
2042	5	1189855.312	1332855.728	-143000.4163	-12.01830297	-100778.1955
2042	6	1370768.804	1390940.334	-20171.5294	-1.471548618	-120949.7249
2042	7	1418495.468	1465296.498	-46801.02974	-3.299342916	-167750.7546
2042	8	1409623.809	1466112.651	-56488.84127	-4.007369973	-224239.5959
2042	9	1504466.734	1378542.757	125923.9777	8.370007446	-98315.61822
2042	10	1322143.249	1266667.014	55476.23525	4.195932271	-42839.38297
2042	11	1188316.546	1093832.289	94484.25699	7.95110169	51644.87402
2042	12	1129825.648	1102834.577	26991.07137	2.388958988	78635.94539
2043	1	1139756.774	1094850.625	44906.14838	3.939976442	44906.14838
2043	2	1041049.655	991503.2579	49546.39736	4.759273212	94452.54575
2043	3	1052500.885	1132611.245	-80110.3608	-7.611429308	14342.18494
2043	4	1125462.73	1169580.687	-44117.95665	-3.919983795	-29775.7717
2043	5	1222716.122	1354256.793	-131540.671	-10.75807121	-161316.4427
2043	6	1391780.406	1413420.989	-21640.58306	-1.554884878	-182957.0258
2043	7	1444185.554	1489007.035	-44821.48025	-3.103581816	-227778.506
2043	8	1430159.97	1489837.275	-59677.30495	-4.172771313	-287455.811
2043	9	1446005.362	1400827.779	45177.58273	3.124302574	-242278.2283
2043	10	1364737.247	1287060.843	77676.40356	5.691674624	-164601.8247
2043	11	1203392.58	1111282.092	92110.48855	7.654234375	-72491.33614
2043	12	1155170.059	1120283.064	34886.99447	3.020074335	-37604.34167
2044	1	1101656.006	1112616.765	-10960.75939	-0.994934837	-10960.75939
2044	2	1068679.816	1043026.052	25653.76373	2.400509801	14693.00434
2044	3	1066671.92	1151311.476	-84639.55593	-7.934919289	-69946.55159
2044	4	1226152.146	1188980.701	37171.44426	3.031552356	-32775.10733
2044	5	1196513.081	1376929.567	-180416.4863	-15.07852185	-213191.5936
2044	6	1397956.454	1437232.886	-39276.43182	-2.809560462	-252468.0255
2044	7	1470911.743	1514236.689	-43324.94577	-2.945448357	-295792.9712
2044	8	1460616.434	1515189.09	-54572.65529	-3.736275589	-350365.6265
2044	9	1542301.245	1424677.661	117623.5839	7.626498664	-232742.0427
2044	10	1388562.833	1308833.029	79729.8037	5.741893835	-153012.2389
2044	11	1204210.936	1129876.63	74334.30556	6.172864185	-78677.93338
2044	12	1146843.788	1138839.469	8004.318848	0.697943254	-70673.61454
2045	1	1228734.087	1131729.488	97004.59907	7.894677954	97004.59907
2045	2	1081678.276	1025109.834	56568.44156	5.229691934	153573.0406
2045	3	1086883.222	1171483.125	-84599.90289	-7.783715965	68973.13774
2045	4	1164701.053	1210010.14	-45309.08691	-3.89019026	23664.05083
2045	5	1251308.091	1401479.22	-150171.1281	-12.00113139	-126507.0773
2045	6	1426896.104	1462882.156	-35986.05197	-2.521981234	-162493.1293
2045	7	1500164.111	1541226.67	-41062.55907	-2.737204468	-203555.6884
2045	8	1551529.04	1542135.537	9393.502979	0.605435202	-194162.1854
2045	9	1502049.337	1449988.673	52060.66398	3.46597563	-142101.5214
2045	10	1408532.236	1332033.132	76499.10329	5.43112194	-65602.41811
2045	11	1250241.444	1149781.613	100459.8311	8.035234443	34857.41304
2045	12	1199262.765	1158675.176	40587.58905	3.384378322	75445.00208

Year	Month	Difference	XHeat_C	XCool_C	XOther_C
2009	1				
2009	2	35988.69487	3138.634005	-154.5919056	33004.65277
2009	3	-60578.90833	4570.629184	-31142.8736	-34006.66391
2009	4	-29839.95896	1206.502207	-33192.69039	2146.229232
2009	5	-73098.9326	362.3627074	-55288.20052	-18173.09479
2009	6	-52885.44571	0	-68917.07769	16031.63197
2009	7	-1178.960648	0	10554.60808	-11733.56873
2009	8	-40595.38711	0	-13903.21287	-26692.17424
2009	9	21217.7815	0	16937.72885	4280.052652
2009	10	32161.92969	168.3128859	53408.16174	-21414.54494
2009	11	97383.0629	534.7860527	96848.27684	0
2009	12	23381.85782	-3304.875818	18082.84559	8603.888046
2010	1	-11469.5418	-42368.43554	5532.705123	25366.18861
2010	2	18749.78329	-19818.38354	4730.576823	33837.59001
2010	3	-22145.44651	12230.58596	-449.8529962	-33926.17947
2010	4	-35818.64924	5560.855081	-50952.11891	9572.614593
2010	5	-127925.9318	65.62790606	-101379.3115	-26612.24821
2010	6	-39649.16007	0	-49258.12014	9608.96007
2010	7	-24257.06008	0	-16777.88005	-7479.180031
2010	8	-14989.41826	0	8550.029253	-23539.44751
2010	9	25841.08962	0	21542.39739	4298.692232
2010	10	66110.66787	0	87674.75377	-21564.0859
2010	11	76681.55246	918.9868762	74682.26989	1080.295698
2010	12	-15642.56469	-51144.32991	27916.71215	7585.053074
2011	1	27984.62495	4087.540472	1475.920534	22421.16395
2011	2	31743.04931	9340.943121	-14903.48864	37305.59483
2011	3	-51001.70948	5234.31835	-22015.50874	-34220.5191
2011	4	-91876.37995	1087.56676	-80088.1442	-12875.80251
2011	5	-40513.37406	4.110937404	-36215.61858	-4301.866414
2011	6	-36541.60703	0	-48410.45975	11868.85273
2011	7	-21711.79786	0	-11988.82791	-9722.969955
2011	8	2435.219511	0	-4054.036798	6489.256309
2011	9	42434.12244	0	37020.63688	5413.48556
2011	10	91304.51098	33.12969204	114022.5008	-22751.11949
2011	11	32097.50746	1048.000068	32135.32278	-1085.81539
2011	12	40322.82538	1335.103453	26968.47885	12019.24307
2012	1	23469.80099	-5219.474068	5108.568935	23580.70613
2012	2	-7614.784947	656.8972576	-21138.62834	12866.94614
2012	3	-78790.73959	3104.426121	-47561.36953	-34333.79618
2012	4	2890.529985	142.3115577	-2614.093122	5362.31155
2012	5	-113458.7328	144.7888354	-91118.06268	-22485.45899
2012	6	2384.02143	0	-10518.52966	12902.55109
2012	7	-44740.77539	0	-35026.73308	-9714.042313
2012	8	18695.00027	0	13281.48365	5413.516627
2012	9	29653.76213	0	23157.75967	6496.002462
2012	10	45672.67023	0	69451.78848	-23779.11825
2012	11	100847.2163	1472.844506	102617.6974	-3243.325662
2012	12	8609.9261	-2917.601213	-4814.931848	16342.45916
2013	1	18760.95107	6325.837233	-7146.222537	19581.33637
2013	2	33665.49746	2434.35498	-5804.03355	37035.17603
2013	3	-24048.48136	64.02829453	10759.05934	-34871.56899
2013	4	-61716.84774	6174.709364	-82052.08218	14160.52507
2013	5	-35102.87966	160.1627534	-34174.11855	-1088.923865
2013	6	-35898.41557	0	-53383.49782	17485.08225
2013	7	-13031.96904	0	137.6144345	-13169.58348
2013	8	-56849.26263	0	-30395.80444	-26453.4582
2013	9	44970.72782	0	35006.7817	9963.946116
2013	10	36643.77568	0	64381.10099	-27737.32531
2013	11	64961.69874	-1757.768232	65609.05261	1110.414359
2013	12	24162.80314	2467.325363	20581.25394	1114.22384
2014	1	34926.76124	-22414.98635	26940.1058	30401.64178
2014	2	70913.76434	14433.58506	-10687.86212	67168.04139
2014	3	-34048.2682	5375.012466	-4548.400753	-34874.87991
2014	4	-61177.03346	2162.682691	-56760.88117	-6578.834975
2014	5	-84482.47753	88.56179768	-73552.87289	-11018.16643
2014	6	-20286.58682	0	-37977.27927	17690.69245
2014	7	-30781.6926	0	-17448.3416	-13333.351
2014	8	-49502.09307	0	-22743.57031	-26758.52275
2014	9	121427.1168	0	77846.18587	43580.93091
2014	10	32983.24474	0	63168.37724	-30185.13251
2014	11	71157.4078	-4132.003318	69693.36122	5596.049898
2014	12	13071.90925	5593.980019	1857.247363	5620.681865
2015	1	42001.35171	1747.680697	14492.93586	25760.73515
2015	2	38483.47861	811.4223387	2974.511993	34697.54428
2015	3	-86620.66839	8696.346401	-59408.86878	-35908.14601

2015	4	-67476.91783	1088.187363	-64050.06524	-4515.039957
2015	5	-56747.4356	101.0556145	-44382.56612	-12465.9251
2015	6	-13980.16453	0	-31061.80853	17081.644
2015	7	-11386.59342	0	1184.90626	-12571.49968
2015	8	-38689.86371	0	-10012.03873	-28677.82498
2015	9	32053.25511	0	27450.22143	4603.033682
2015	10	39914.91367	0	62982.64973	-23067.73606
2015	11	41038.70052	27.39256623	41011.30795	0
2015	12	18200.9968	999.6490401	7921.584105	9279.763655
2016	1	45804.64325	-12942.61016	69237.61209	-10490.35868
2016	2	25354.63544	7593.86874	-1949.587095	19710.3538
2016	3	-83998.12072	8431.213052	-55165.27888	-37264.0549
2016	4	19983.36942	1359.879961	-26213.42488	44836.91434
2016	5	-106011.6738	8.014373328	-75251.09622	-30768.59196
2016	6	-42048.41594	0	-55141.88836	13093.47241
2016	7	-38209.48577	0	-27490.57549	-10718.91028
2016	8	-26515.8135	0	-214.9367008	-26300.8768
2016	9	80511.65672	0	40989.33535	39522.32137
2016	10	63394.85262	0	88554.71051	-25159.85789
2016	11	82129.72353	164.8264564	96371.47045	-14406.57337
2016	12	-24144.44975	-678.5251014	-13831.3451	-9634.579548
2017	1	32088.85532	-7834.041263	24394.24596	15528.65063
2017	2	45085.66687	7029.693866	-2534.708749	40590.68175
2017	3	-60517.05922	-178.6695214	-22057.21112	-38281.17857
2017	4	-66635.85036	2100.925127	-66342.67658	-2394.098906
2017	5	-71999.77732	25.54763837	-55262.24048	-16763.08448
2017	6	-8973.062771	0	-23377.84707	14404.7843
2017	7	-46664.62166	0	-37063.45128	-9601.170379
2017	8	-2944.588261	0	-7752.16574	4807.577478
2017	9	35667.99188	0	28417.41042	7250.581455
2017	10	51232.08973	-570.8661943	78488.78849	-26685.83257
2017	11	101701.554	1448.361357	97813.91542	2439.277188
2017	12	36421.36205	-2263.810072	26451.73428	12233.43784
2018	1	11348.54698	-24248.87733	12620.21175	22977.21256
2018	2	-12180.32757	12013.51575	-64144.74621	39950.90289
2018	3	5889.290773	2922.478277	41935.01298	-38968.20048
2018	4	-47368.88009	3622.003106	-55878.58866	4887.705466
2018	5	-92600.92829	99.25596564	-68211.01157	-24489.17269
2018	6	-33404.45889	0	-49421.1649	16016.706
2018	7	-21676.62309	0	-10581.95505	-11094.66804
2018	8	2324.654962	0	-2609.058548	4933.71351
2018	9	3907.051508	0	-7238.882167	11145.93367
2018	10	45237.55774	0	76315.03658	-31077.47885
2018	11	104595.6213	-2828.031884	101181.2516	6242.401578
2018	12	36719.37308	1433.487143	23984.19732	11301.68863
2019	1	-4363.044995	-5959.719855	16654.5472	-15057.87234
2019	2	13500.38022	12527.11753	-41805.78895	42779.05164
2019	3	-19282.68619	1443.513398	19527.71685	-40253.91645
2019	4	-13010.04932	2881.734112	-41060.13545	25168.35202
2019	5	-89668.27552	430.1706875	-80019.52204	-10078.92417
2019	6	-18214.51584	8.338105583	-38469.49207	20246.63812
2019	7	-36541.74738	0	-21314.97301	-15226.77437
2019	8	-43439.81195	0	-12960.4672	-30479.34475
2019	9	44569.4743	0	33101.0547	11468.41959
2019	10	55589.62241	-6.359456449	87529.76349	-31933.78163
2019	11	76455.11754	-488.5442524	75661.9928	1281.668989
2019	12	16808.83537	-6641.020168	22162.99471	1286.860823
2020	1	39473.3003	-6283.043369	9970.275261	35786.06841
2020	2	16057.44187	4498.239999	-6358.276867	17917.47874
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2020	4	-31047.06065	2983.875499	-44288.99245	10258.0563
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2020	8	10257.72527	0	2487.686591	7770.038684
2020	9	34612.95658	0	30717.77675	3895.179836
2020	10	68839.55484	-8.759800985	93570.71822	-24722.40358
2020	11	61543.96864	-619.793467	77836.38325	-15672.62114
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2038	10	76078.41879	-7.512372079	108082.808	-31996.87684
2038	11	92029.45845	-483.6993193	90907.07991	1606.077861
2038	12	31893.00423	-6292.532497	26894.01968	11291.51705
2039	1	39440.35093	-6075.909772	11666.90607	33849.35464
2039	2	53770.81212	4275.579341	-6992.45357	56487.68635
2039	3	-76882.24229	5293.513616	-30452.99828	-51722.75763
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2039	5	-132482.0027	443.8192607	-103863.4532	-29062.36874
2039	6	-36137.98232	10.89130848	-53989.17613	17840.3025
2039	7	-40094.01923	0	-25534.29351	-14559.72572
2039	8	12865.68606	0	3171.081742	9694.604321
2039	9	45314.03061	0	37218.65406	8095.376552
2039	10	73346.09138	-6.760090063	107408.0285	-34055.17701
2039	11	87506.83128	-459.4382483	89594.35048	-1628.080954
2039	12	38770.95548	-6167.415756	26949.99465	17988.37659
2040	1	41490.3514	-5916.792958	11541.87351	35865.27085
2040	2	16026.47186	4143.001582	-7706.602158	19590.07244
2040	3	-78500.56867	5295.9687	-31475.4725	-52321.06487
2040	4	-52338.76411	2777.407454	-55116.17156	0
2040	5	-133406.2627	464.2136691	-107737.505	-26132.97136
2040	6	-36582.93555	11.58567966	-56283.33416	19688.81292
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2040	8	10593.75458	0	2419.767106	8173.987476
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2040	10	74147.91833	-9.639695332	110257.2037	-36099.64564
2040	11	88392.84189	-511.3511424	93846.32796	-4942.134923
2040	12	47620.27374	-6278.89616	29078.83205	24820.33785
2041	1	35447.34613	-6075.384539	11757.33385	29765.39681
2041	2	53318.02685	4276.094933	-7256.416184	56298.3481
2041	3	-79389.79849	5311.364415	-31635.11352	-53066.04939
2041	4	-15464.68762	2754.308331	-51360.04097	33141.04502
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2041	6	-21421.49497	7.958331082	-48052.65631	26623.20301
2041	7	-46402.15184	0	-26484.9397	-19917.21214
2041	8	-55856.09289	0	-16070.63287	-39785.46003
2041	9	55937.57132	0	40988.09672	14949.4746
2041	10	66695.11703	-6.01192981	108291.9052	-41590.77623
2041	11	94866.12573	-462.0884094	93658.08592	1670.128218
2041	12	22838.64388	-6283.790279	27444.90054	1677.533621
2042	1	103779.4181	-5288.77871	13437.12005	95631.07677
2042	2	52279.90717	4077.570167	-7237.94044	55440.27744
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2042	6	-20171.5294	7.230245511	-47191.32875	27012.56911
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2042	8	-56488.84127	0	-16116.56819	-40372.27308
2042	9	125923.9777	0	60184.31025	65739.66743
2042	10	55476.23525	3.390064805	101056.6198	-45583.7746
2042	11	94484.25699	-301.474032	86311.24141	8474.489614
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2043	6	-21640.58306	7.232651214	-47384.12648	25736.31077
2043	7	-44821.48025	0	-25994.92727	-18826.55298
2043	8	-59677.30495	0	-16939.86785	-42737.4371
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2043	10	77676.40356	-1.671793229	111995.73	-34317.65462
2043	11	92110.48855	-404.7336031	92515.22215	0
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2044	1	-10960.75939	-6539.216084	11178.34936	-15599.89267
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2044	7	-43324.94577	0	-27660.66489	-15664.28088
2044	8	-54572.65529	0	-16324.56439	-38248.09089
2044	9	117623.5839	0	60128.78989	57494.79397
2044	10	79729.8037	-6.742245533	116385.7696	-36649.22361
2044	11	74334.30556	-526.5852572	95887.06975	-21026.17893
2044	12	8004.318848	-6493.44266	28577.9947	-14080.2332
2045	1	97004.59907	-5566.572954	14354.56692	88216.6051
2045	2	56568.44156	4197.795699	-7701.370865	60072.01672
2045	3	-84599.90289	5208.475205	-33178.99642	-56629.38168
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2045	6	-35986.05197	10.14189048	-57310.3866	21314.19274
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2045	9	52060.66398	0	41419.33508	10641.3289
2045	10	76499.10329	-5.297654968	115589.3657	-39084.96479
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