

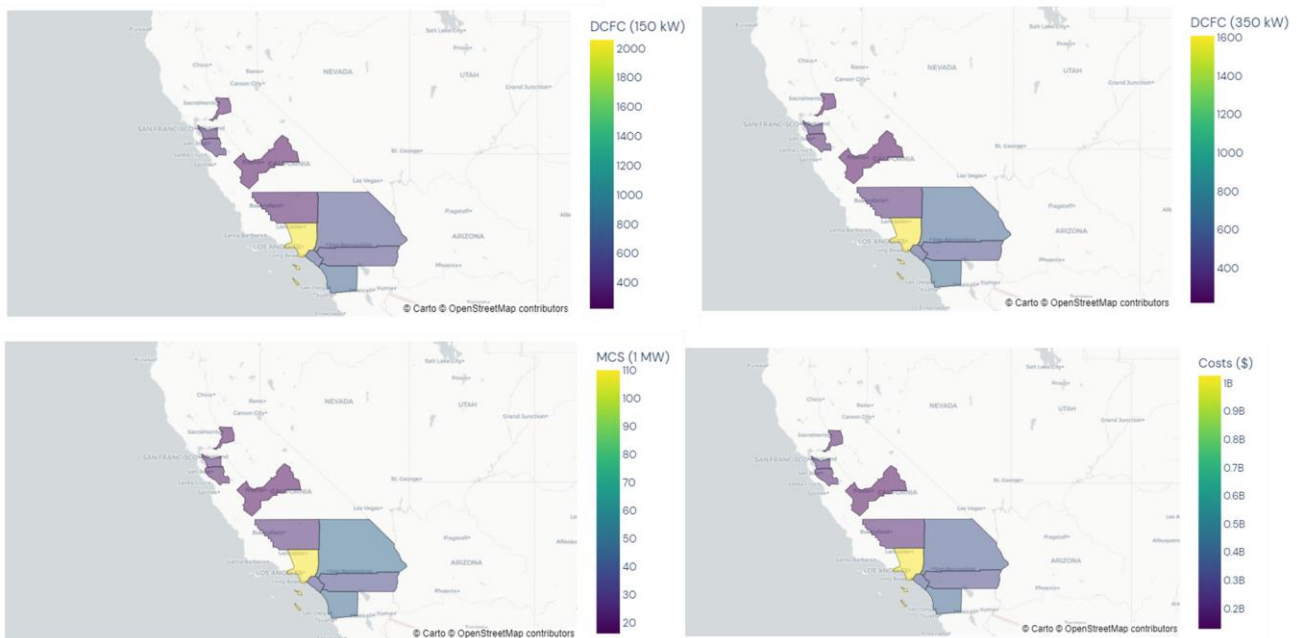
Assessment of Infrastructure Needs to Support Regulatory Requirements for Medium- and Heavy-Duty (MDHD) Battery Electric Vehicles (BEVs): County-Level Highlights

- By 2035, the top ten states with the highest MDHD¹ BEV populations are California, Texas, Florida, North Carolina, New York, Pennsylvania, Ohio, Georgia, Michigan, and Illinois, in descending order.
- To evaluate the number, type, and costs of the necessary MDHD BEV recharging infrastructure at a more granular level, the project team used MOVES3² results by county to develop a set of allocation factors to redistribute MDHD BEV population from state-level to county-level by vehicle source type, weight class, and age.
- The charging infrastructure needs to support on-road MDHD BEVs for the top 10 counties of the top 10 states during 2027 through 2035 timeframe are summarized as below.

California

The top 10 counties with the highest charging demands for MDHD vehicles in California are: Los Angeles County, San Diego County, San Bernardino County, Orange County, Riverside County, Alameda County, Santa Clara County, Kern County, Sacramento County, and Fresno County.

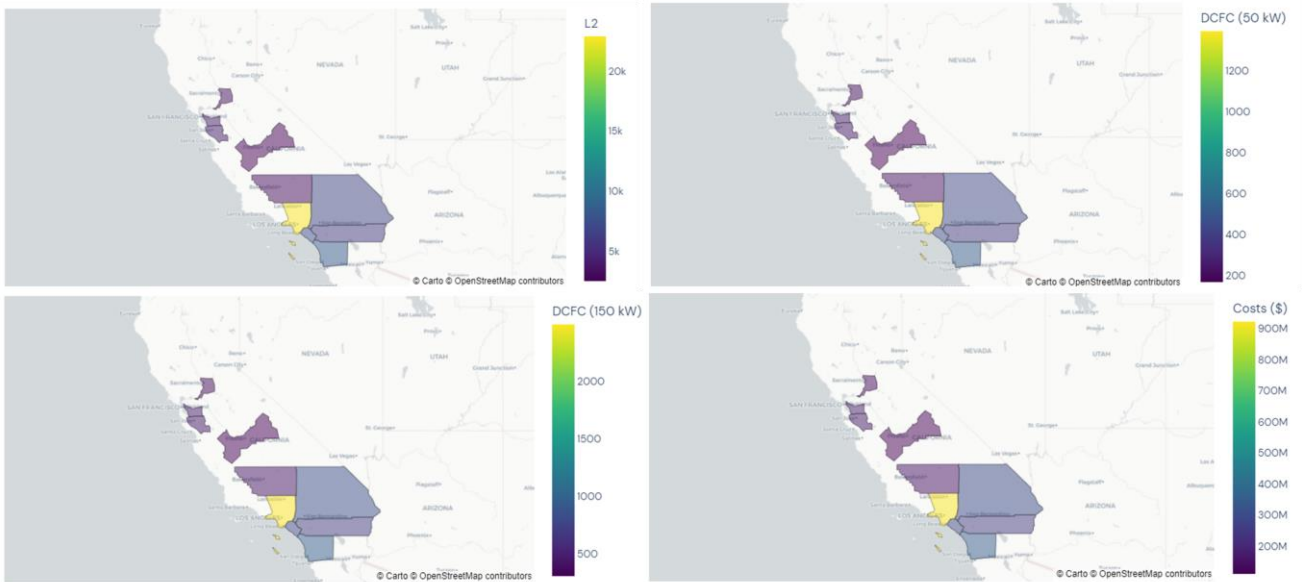
Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in California between 2027 through 2035



¹ Include single unit and combination trucks as defined in MOVES 3.

² EPA has released MOVES4 in August 2023. However, since the official release was not yet available during the development of this study, the analysis was done using MOVES3 instead. More information available at: <https://www.epa.gov/moves/latest-version-motor-vehicle-emission-simulator-moves>

Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in California between 2027 through 2035

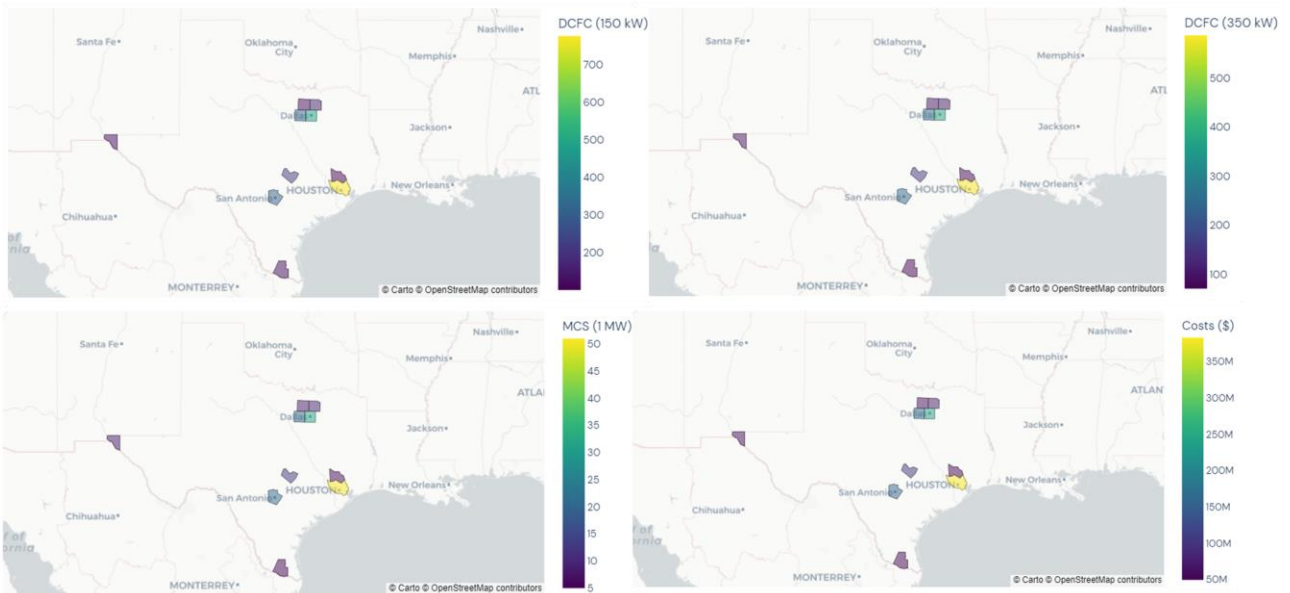


There will be roughly 260,000 MDHD BEVs operating on road in these counties by 2035, with a need for roughly \$6.1 billion³ to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 66% of the total investment needed for all MDHD charging infrastructure in California.

Texas

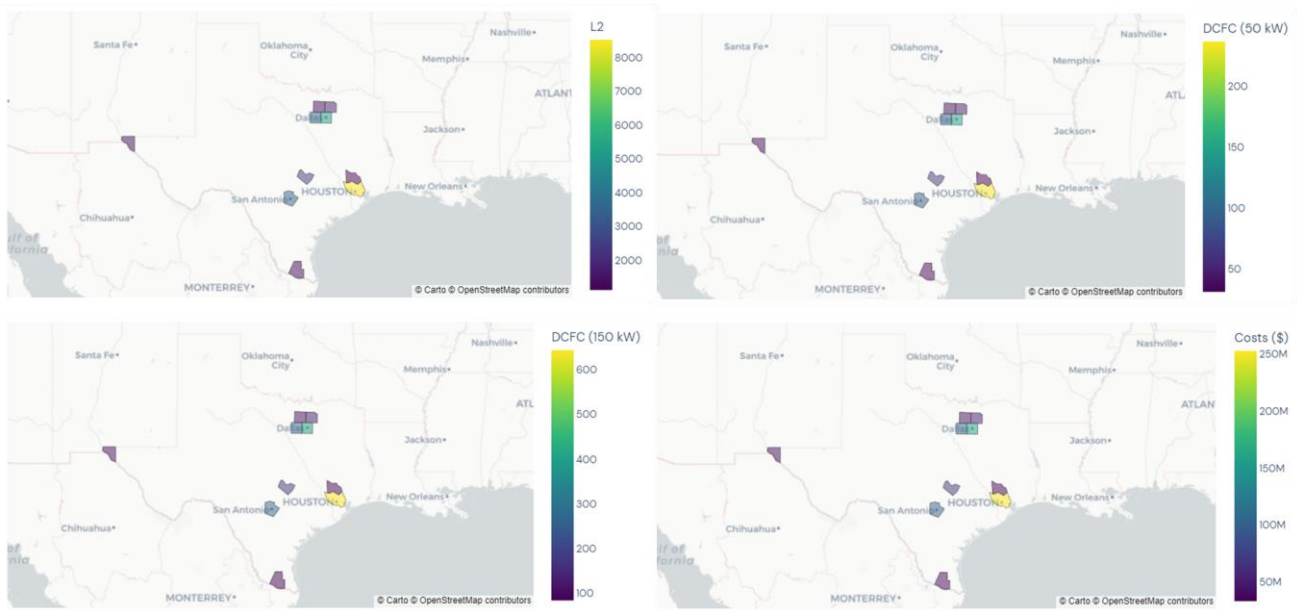
The top 10 counties with the highest charging demands for MDHD vehicles in Texas are: Harris County, Dallas County, Tarrant County, Bexar County, Travis County, Collin County, El Paso County, Denton County, Hidalgo County, and Montgomery County.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Texas between 2027 through 2035



³ Cost estimates for BEV charging infrastructure include EVSE hardware and installations, while utility upgrades, land acquisition, and other soft costs are not quantified.

Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Texas between 2027 through 2035



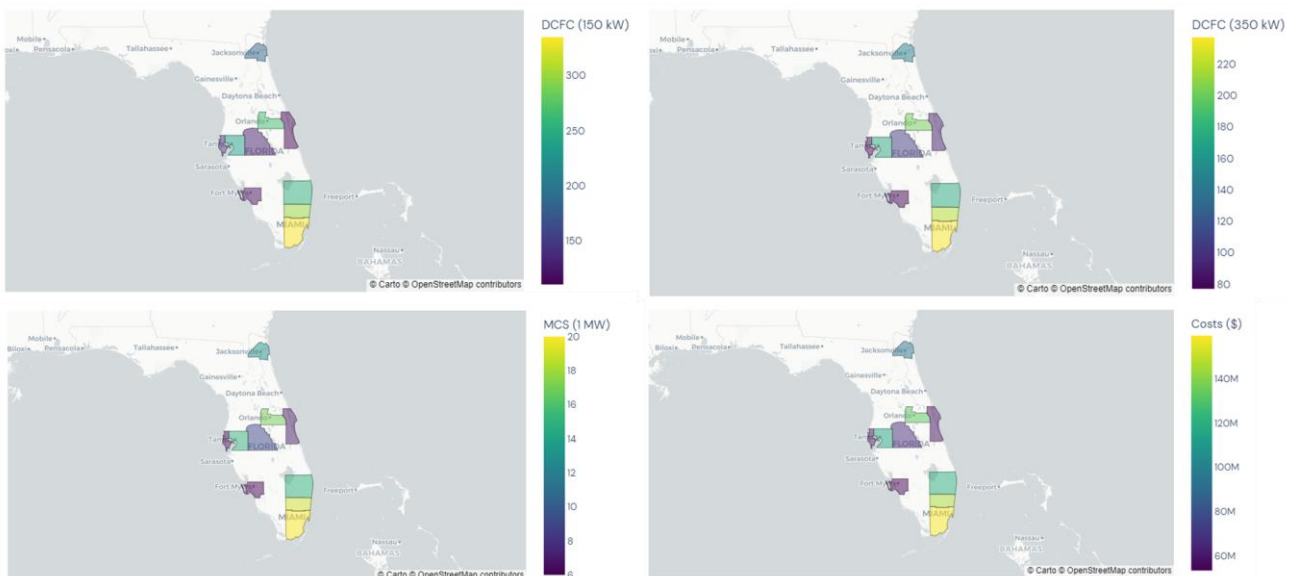
There will be roughly 92,000 MDHD BEVs operating on road in these counties, with a need for roughly \$2.2 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 40% of the total investment needed for all depot and public MDHD charging infrastructure in Texas.

Florida

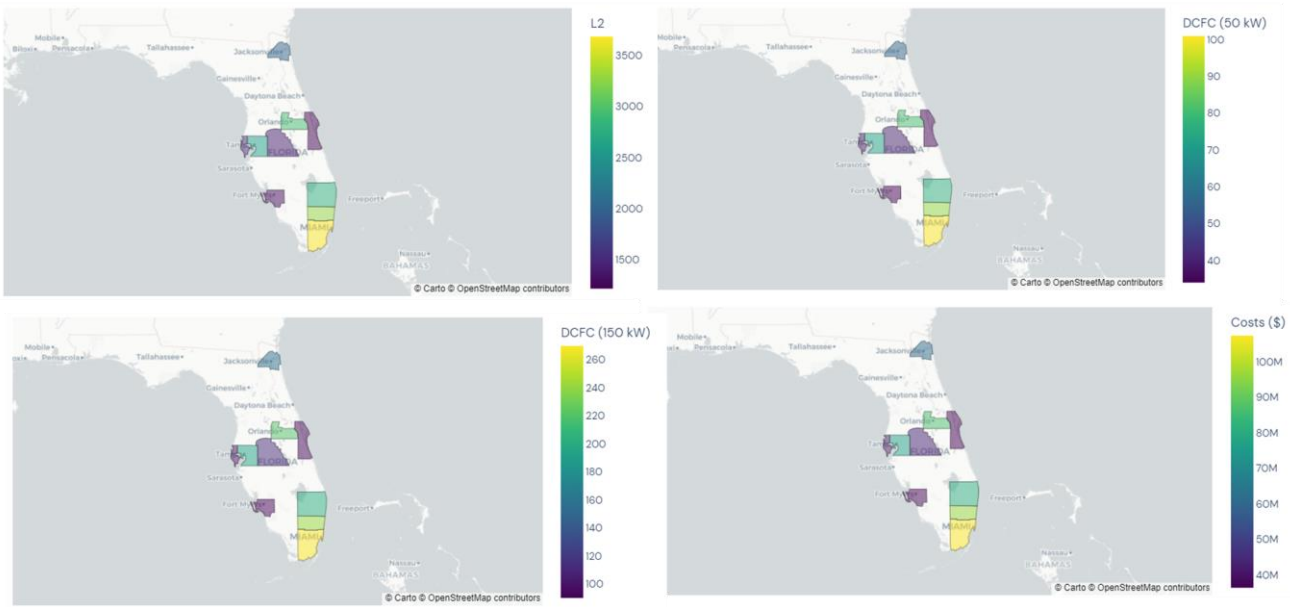
The top 10 counties with the highest charging demands for MDHD vehicles in Florida are: Miami-Dade County, Broward County, Orange County, Palm Beach County, Hillsborough County, Duval County, Polk County, Pinellas County, Brevard County, and Lee County.

There will be roughly 70,000 MDHD BEVs operating on road in these counties, with a need for roughly \$1.7 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for half of the total investment needed for all MDHD charging infrastructure in Florida.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Florida between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Florida between 2027 through 2035

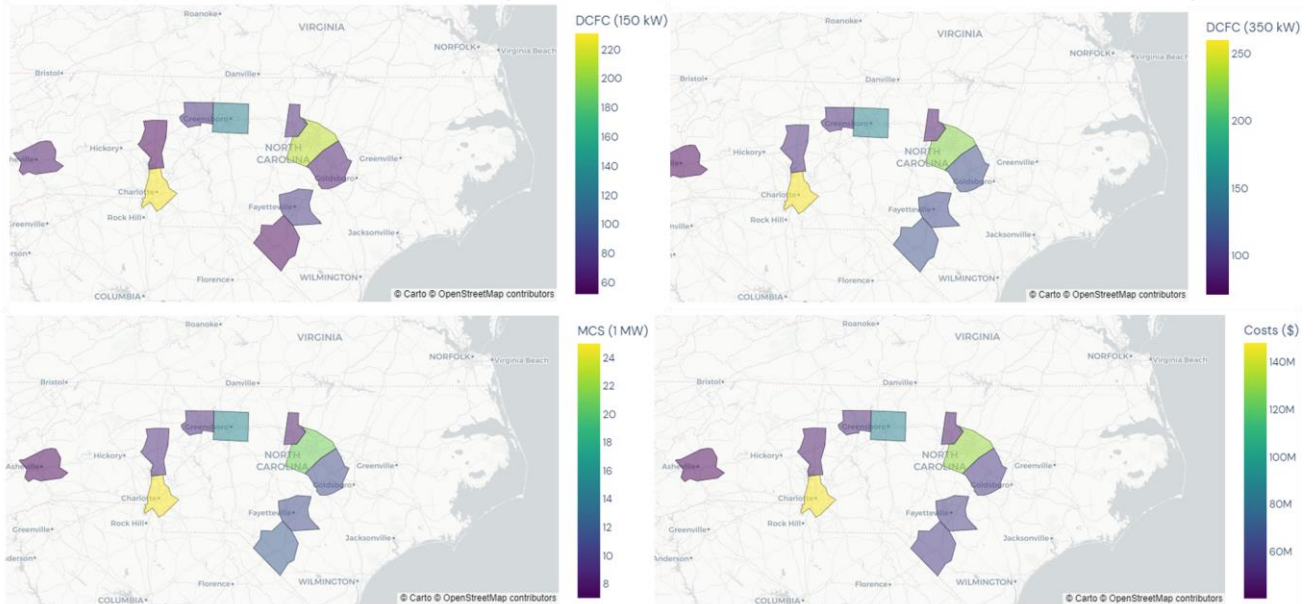


North Carolina

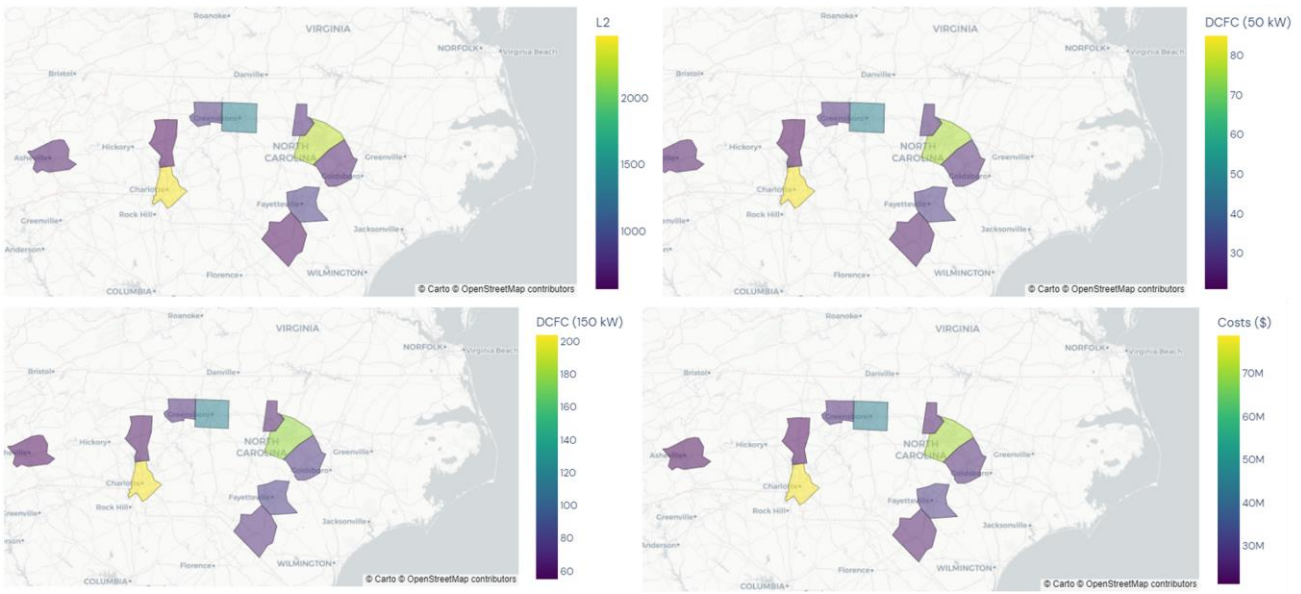
The top 10 counties with the highest charging demands for MDHD vehicles in North Carolina are: Mecklenburg County, Wake County, Guilford County, Cumberland County, Johnston County, Robeson County, Forsyth County, Durham County, Iredell County, and Buncombe County.

There will be roughly 39,000 MDHD BEVs operating on road in these counties, with a need for roughly \$1.1 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 36% of the total investment needed for all MDHD charging infrastructure in the state.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in North Carolina between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in North Carolina between 2027 through 2035

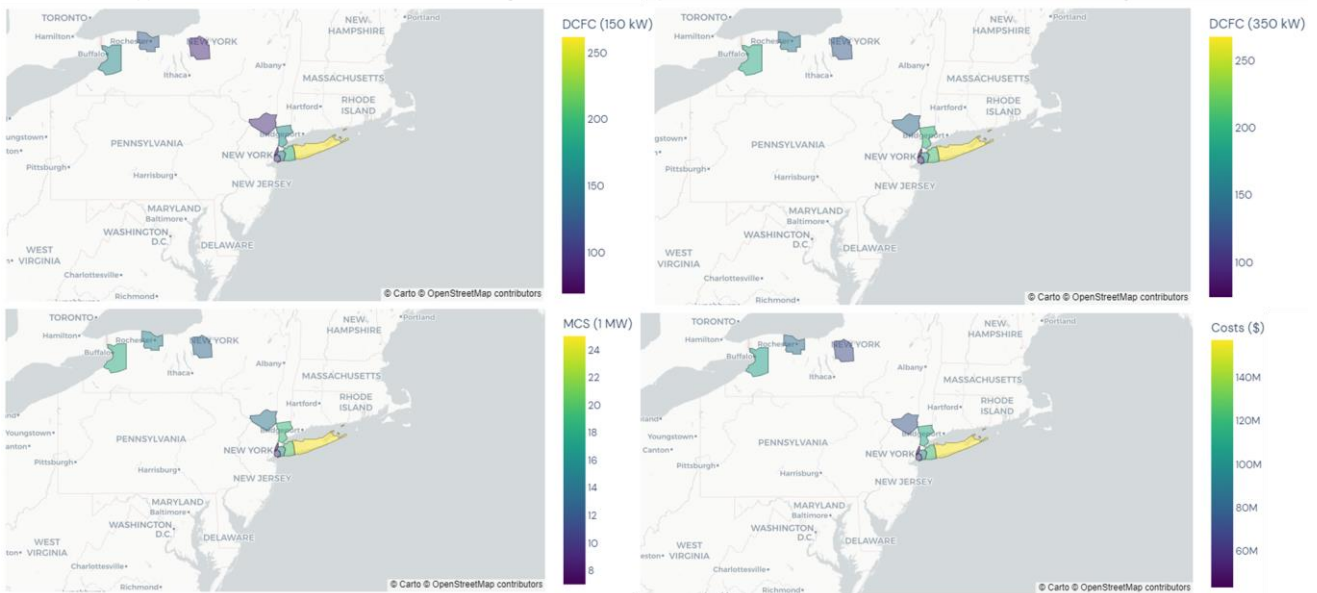


New York

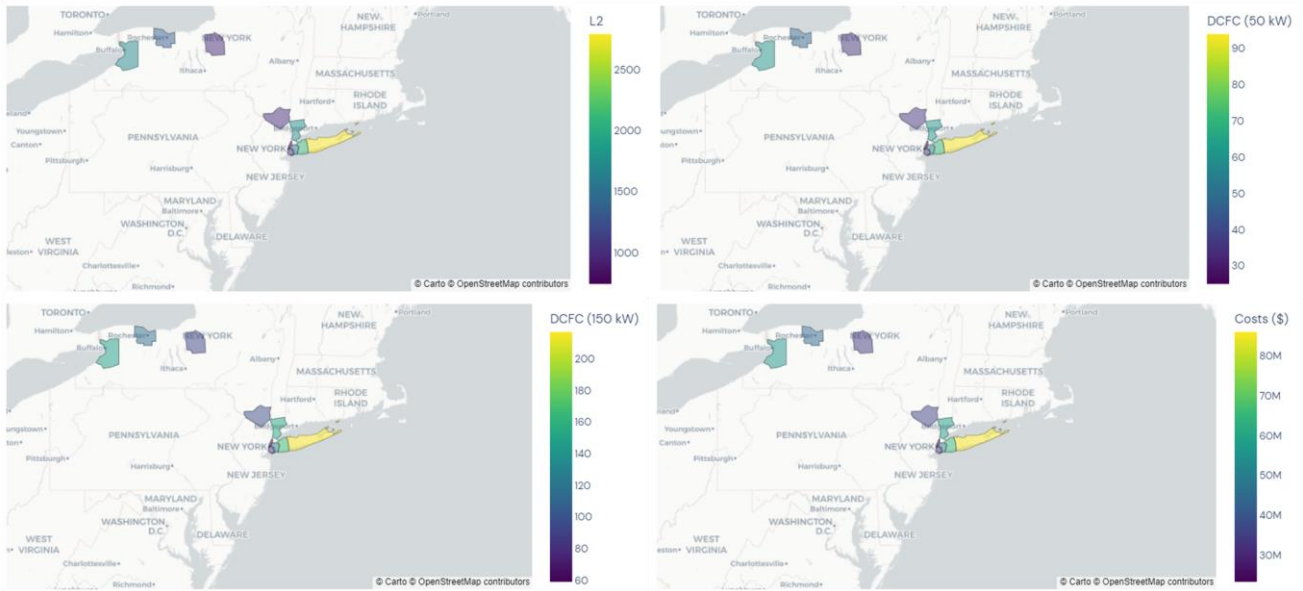
The top 10 counties with the highest charging demands for MDHD vehicles in New York are: Suffolk County, Nassau County, Westchester County, Erie County, Queens County, Monroe County, Orange County, Onondaga County, Kings County, and New York County.

There will be roughly 53,000 MDHD BEVs operating on road in these counties, with a need for roughly \$1.4 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 48% of the total investment needed for all MDHD charging infrastructure in the New York state.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in New York between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in New York between 2027 through 2035

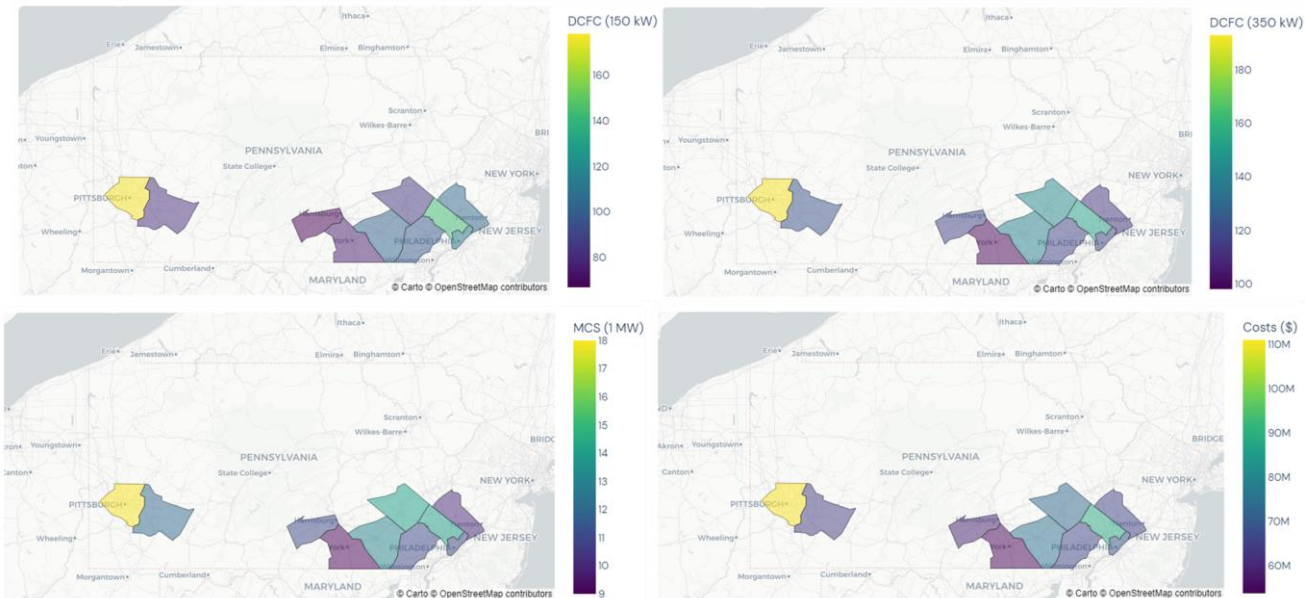


Pennsylvania

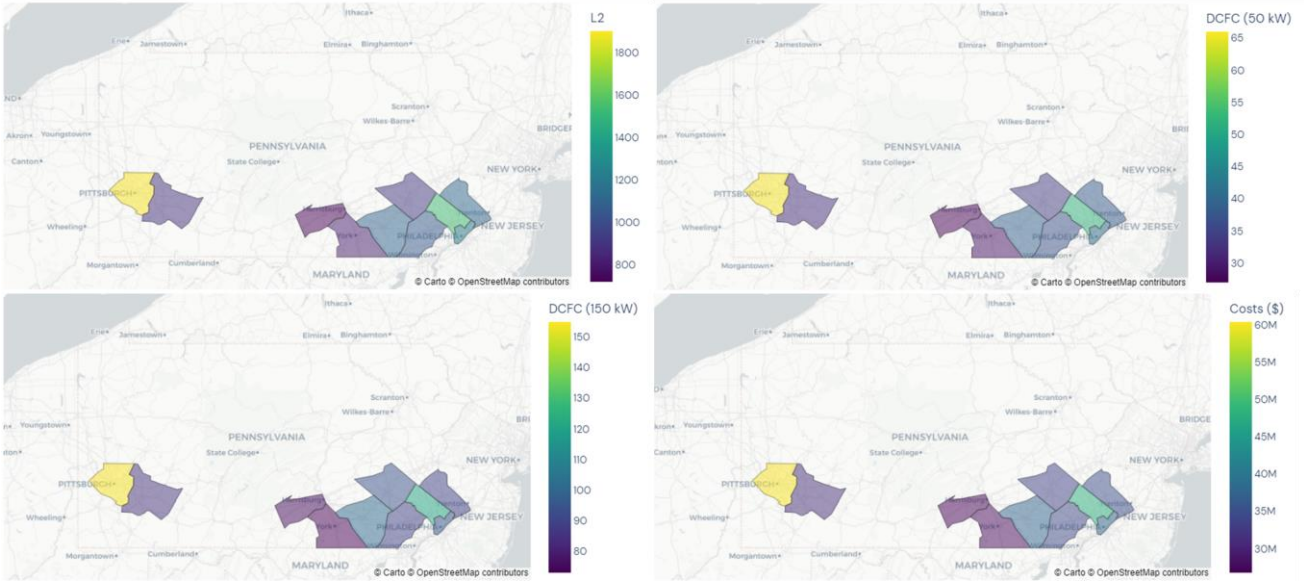
The top 10 counties with the highest charging demands for MDHD vehicles in Pennsylvania are: Allegheny County, Montgomery County, Lancaster County, Philadelphia County, Berks County, Chester County, Bucks County, Westmoreland County, Cumberland County, and York County.

There will be roughly 40,000 MDHD BEVs operating on road in these counties, with a need for roughly \$1.1 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 37% of the total investment needed for all MDHD charging infrastructure in the Commonwealth.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Pennsylvania between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Pennsylvania between 2027 through 2035

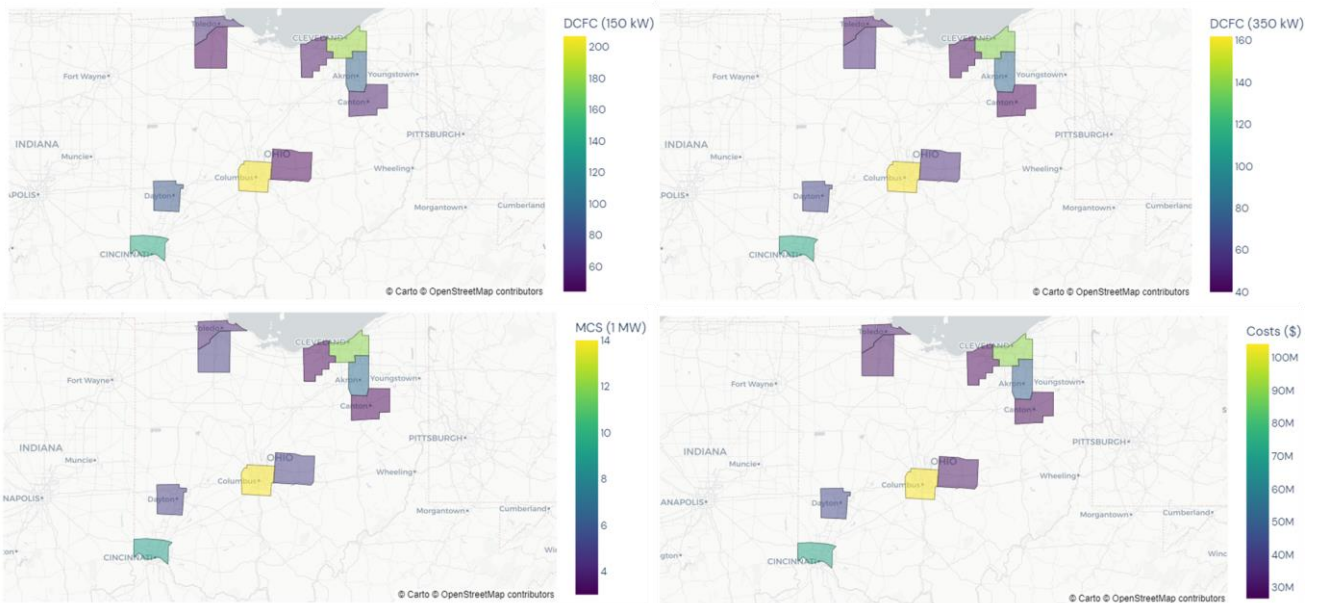


Ohio

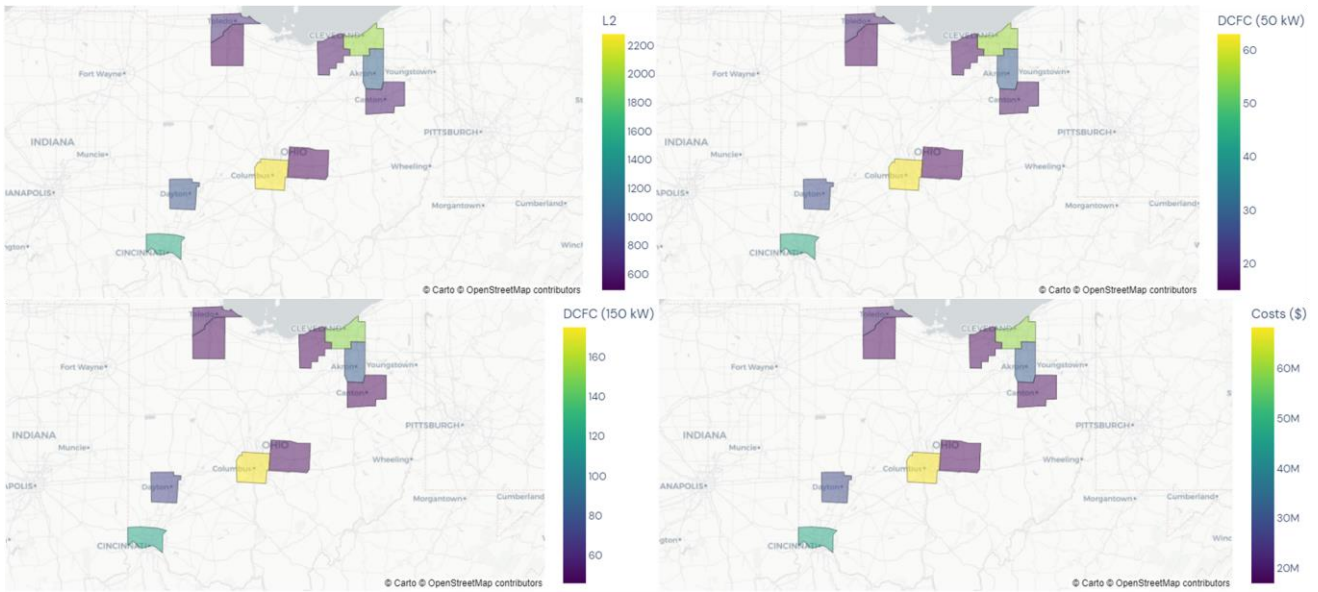
The top 10 counties with the highest charging demands for MDHD vehicles in Ohio are: Franklin County, Cuyahoga County, Hamilton County, Summit County, Montgomery County, Lucas County, Licking County, Wood County, Stark County, and Lorain County.

There will be roughly 33,000 MDHD BEVs operating on road in these counties, with a need for roughly \$0.8 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 38% of the total investment needed for all MDHD charging infrastructure in Ohio.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Ohio between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Ohio between 2027 through 2035

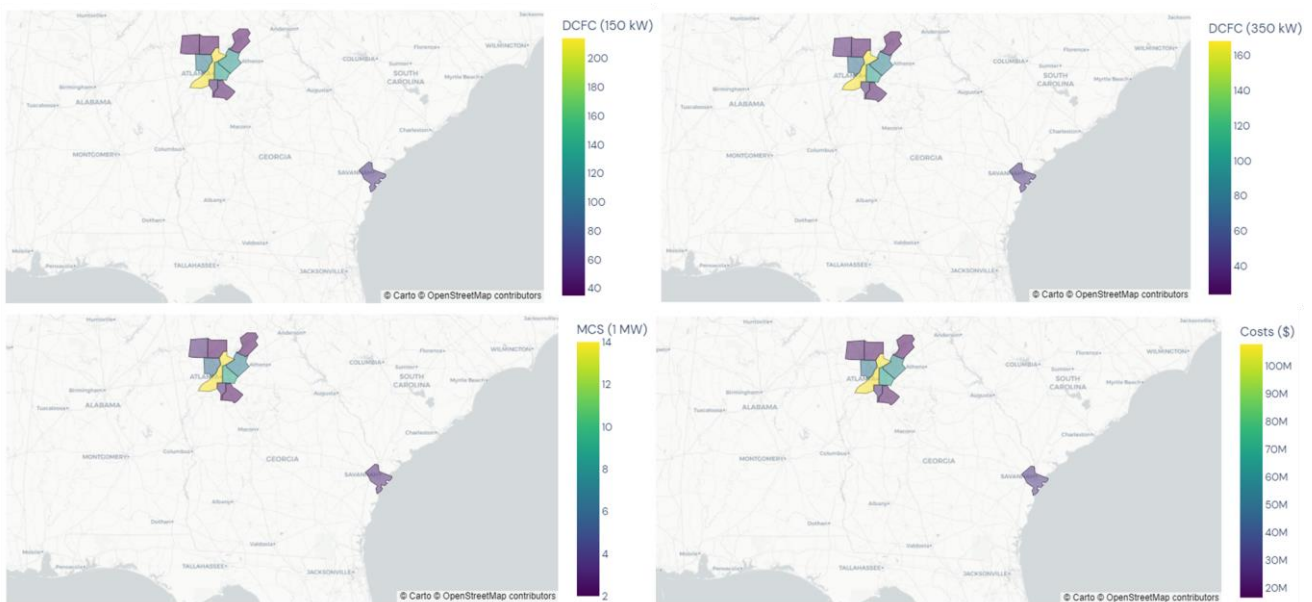


Georgia

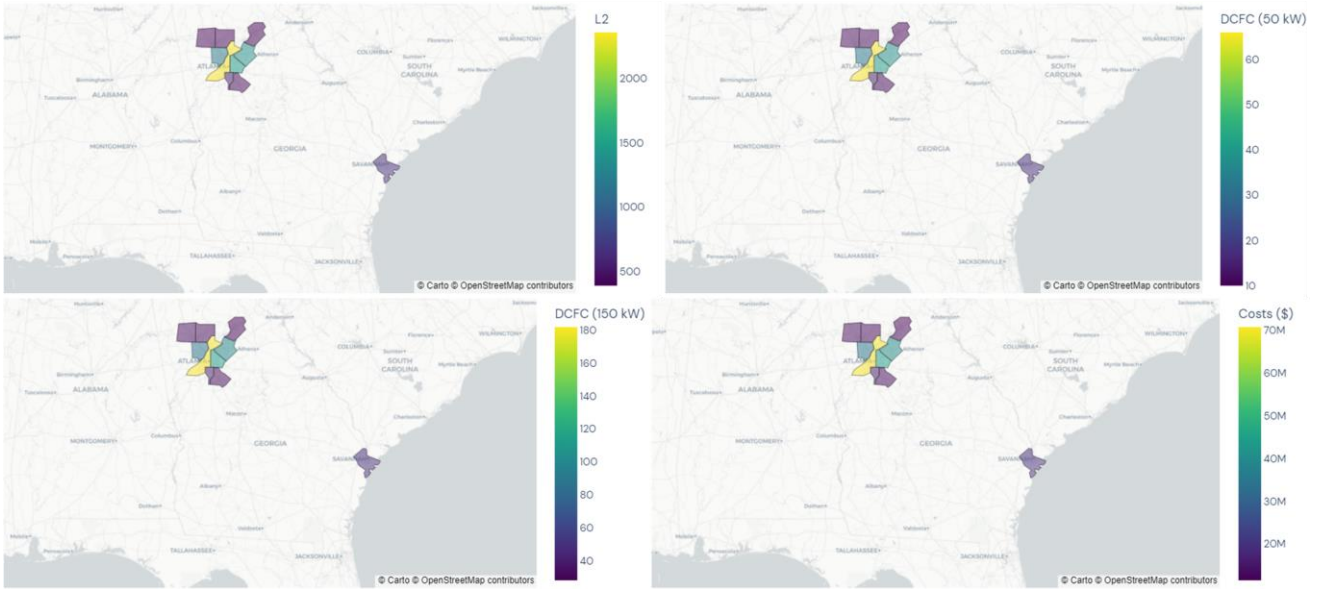
The top 10 counties with the highest charging demands for MDHD vehicles in Georgia are: Fulton County, DeKalb County, Gwinnett County, Cobb County, Chatham County, Clayton County, Bartow County, Henry County, Cherokee County, and Hall County.

There will be roughly 29,000 MDHD BEVs operating on road in these counties, with a need for roughly \$0.7 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 34% of the total investment needed for all MDHD charging infrastructure in the State.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Georgia between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Georgia between 2027 through 2035

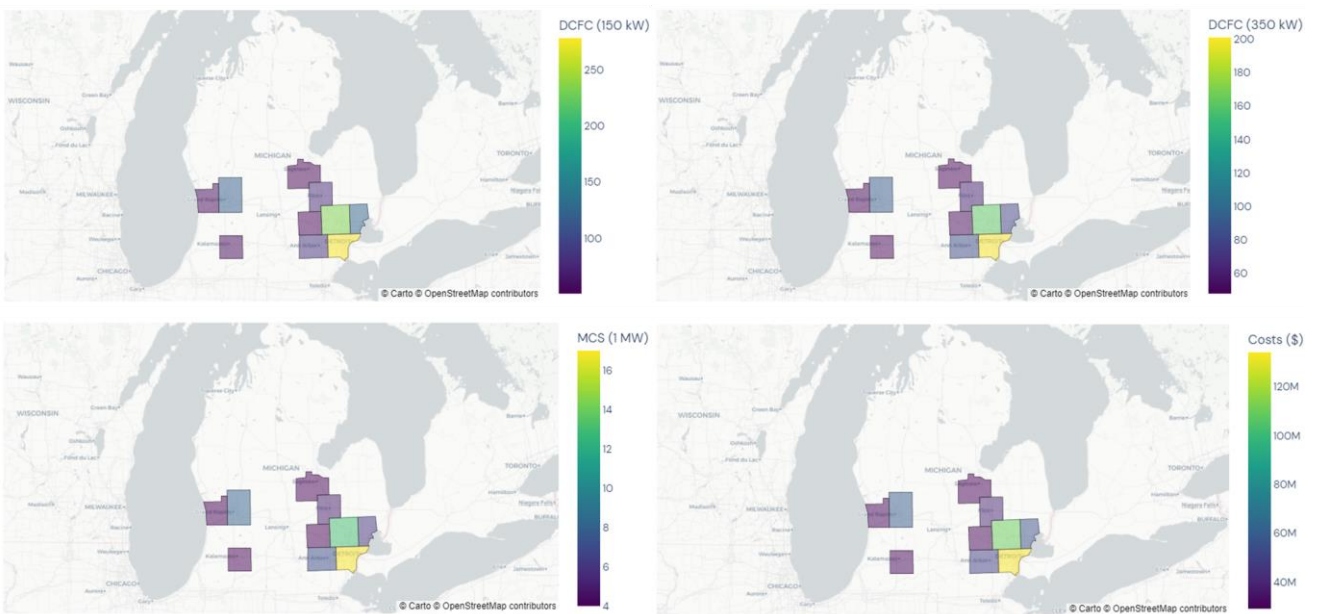


Michigan

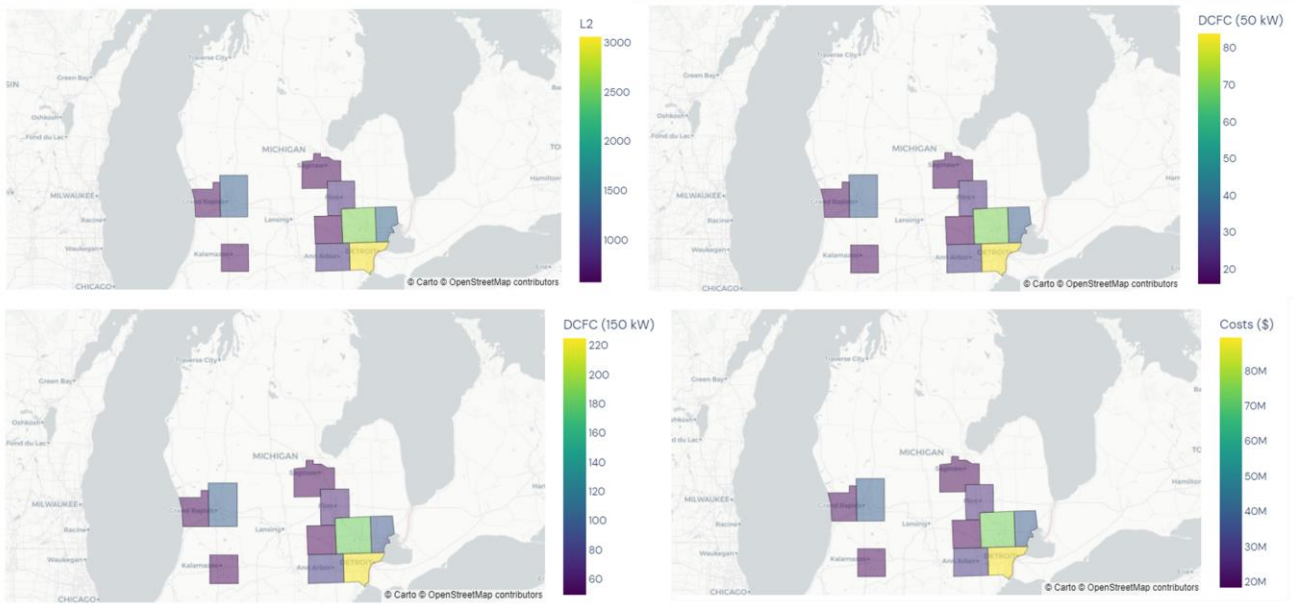
The top 10 counties with the highest charging demands for MDHD vehicles in Michigan are: Wayne County, Oakland County, Kent County, Macomb County, Washtenaw County, Genesee County, Ottawa County, Kalamazoo County, Livingston County, and Saginaw County.

There will be roughly 38,000 MDHD BEVs operating on road in these counties, with a need for roughly \$0.9 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 46% of the total investment needed for all MDHD charging infrastructure in the State.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Michigan between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Michigan between 2027 through 2035

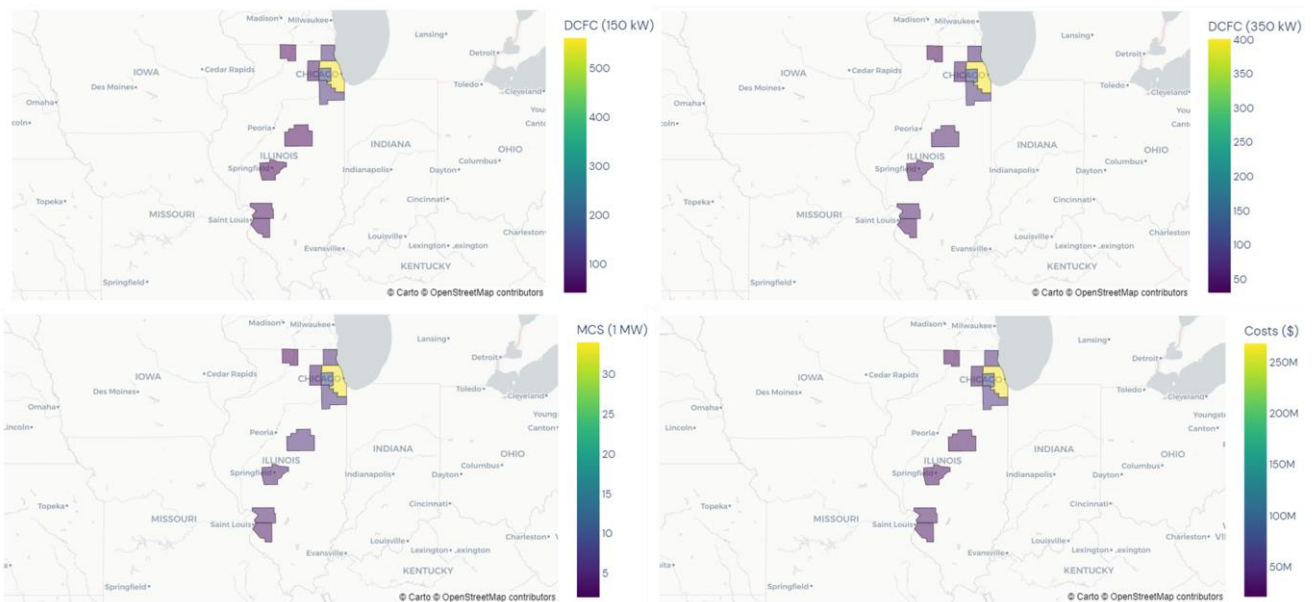


Illinois

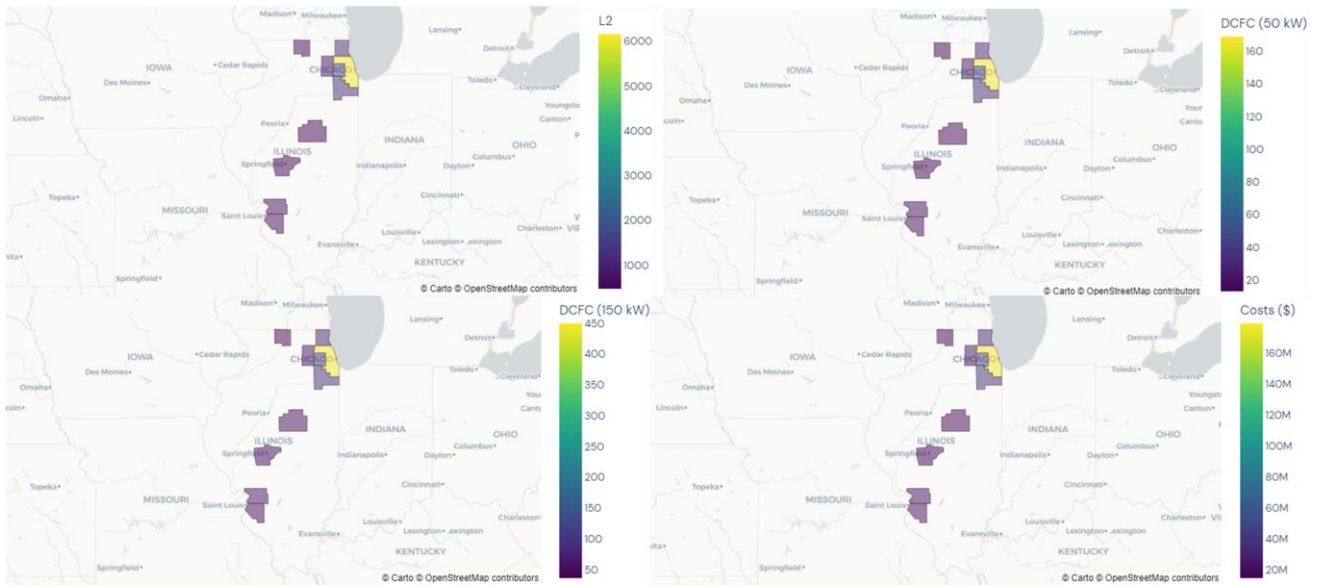
The top 10 counties with the highest charging demands for MDHD vehicles in Illinois are: Cook County, DuPage County, Will County, Lake County, Kane County, Madison County, McLean County, St. Clair County, Sangamon County, and Winnebago County.

There will be roughly 42,000 MDHD BEVs operating on road in these counties, with a need for roughly \$1.0 billion to develop the charging infrastructure for these vehicles between 2027 through 2035, accounting for 51% of the total investment needed for all MDHD charging infrastructure in the State.

Numbers, Types, and Costs of Public MDHD Chargers Need in Top 10 Counties in Illinois between 2027 through 2035



Numbers, Types, and Costs of Depot MDHD Chargers Need in Top 10 Counties in Illinois between 2027 through 2035



Result Table

Charging Infrastructure Needs for MDHD BEVs Between 2027 Through 2035

State	County	Year	Depot			Public			Total Cost (Million)
			DCFC (150 kW)	DCFC (50 kW)	L2	DCFC (150 kW)	DCFC (350 kW)	MCS (1 MW)	
California	Alameda County	2027	61	18	327	32	27	1	\$37.4
		2028	60	19	325	32	27	2	\$36.7
		2029	61	18	326	32	27	1	\$35.1
		2030	59	18	323	32	26	1	\$33.3
		2031	50	39	570	50	46	4	\$47.8
		2032	49	38	565	48	45	4	\$46.7
		2033	49	38	565	49	45	3	\$46.3
		2034	49	38	565	48	45	4	\$46.7
		2035	48	38	560	48	45	3	\$45.9
		Total	486	264	4126	371	333	23	\$375.8
	Fresno County	2027	38	12	197	19	18	1	\$23.7
		2028	39	11	196	20	18	1	\$23.3
		2029	38	12	197	19	18	1	\$22.3
		2030	37	11	193	18	17	0	\$20.2
		2031	32	25	345	30	31	3	\$30.7
		2032	31	24	342	30	29	3	\$29.7
		2033	32	24	342	29	30	2	\$29.5
		2034	31	24	341	30	29	3	\$29.7
		2035	30	23	338	28	29	2	\$28.4
		Total	308	166	2491	223	219	16	\$237.4
	Kern County	2027	53	15	253	25	26	1	\$32.3
		2028	53	16	254	25	26	2	\$32.1
		2029	53	15	252	25	26	1	\$30.4
		2030	52	15	249	24	25	1	\$28.7
		2031	44	33	440	39	47	4	\$42.5
		2032	44	32	437	37	46	4	\$41.7
		2033	43	33	440	38	45	4	\$41.5
		2034	44	32	437	37	46	4	\$41.7
		2035	43	32	435	37	45	4	\$41.1
		Total	429	223	3197	287	332	25	\$332.0
	Los Angeles County	2027	312	98	1809	178	133	6	\$195.3
		2028	313	98	1809	177	133	6	\$189.5
		2029	312	98	1809	178	133	6	\$183.8
		2030	312	97	1807	176	133	6	\$177.7
		2031	250	202	3140	270	216	18	\$241.3
		2032	250	200	3137	270	215	17	\$240.2
2033		249	201	3136	270	216	17	\$240.4	
2034		250	200	3137	270	215	17	\$240.2	
2035		249	200	3133	268	215	17	\$239.5	
Total		2497	1394	22917	2057	1609	110	\$1,947.9	

	Orange County	2027	98	31	574	56	42	2	\$61.6
		2028	99	31	576	57	42	2	\$60.2
		2029	98	31	574	56	42	2	\$58.0
		2030	98	30	570	56	41	2	\$55.8
		2031	79	64	999	86	68	6	\$76.6
		2032	78	63	996	86	67	5	\$75.4
		2033	78	63	995	85	68	5	\$75.5
		2034	78	63	997	86	67	5	\$75.4
		2035	78	63	992	84	66	5	\$74.6
		Total	784	439	7273	652	503	34	\$612.9
	Riverside County	2027	88	27	476	46	39	2	\$54.4
		2028	88	27	472	47	40	2	\$53.2
		2029	88	27	475	46	39	2	\$51.1
		2030	88	26	471	46	39	2	\$49.5
		2031	72	56	826	72	67	6	\$69.2
		2032	72	56	823	70	66	5	\$67.9
		2033	70	55	820	71	67	6	\$68.4
		2034	72	56	823	70	66	5	\$67.9
		2035	70	55	817	70	66	5	\$67.3
		Total	708	385	6003	538	489	35	\$548.9
	Sacramento County	2027	46	15	258	25	21	1	\$29.0
		2028	46	13	254	24	19	1	\$27.0
		2029	46	15	257	25	21	1	\$27.3
		2030	46	13	253	24	19	1	\$25.4
		2031	37	30	446	39	33	3	\$35.8
		2032	37	29	443	39	33	3	\$35.7
		2033	36	29	446	38	32	2	\$34.4
		2034	37	29	443	39	33	3	\$35.7
		2035	36	29	440	37	32	2	\$34.2
		Total	367	202	3240	290	243	17	\$284.6
	San Bernardino County	2027	103	31	530	52	49	3	\$64.4
		2028	102	31	525	51	49	3	\$61.9
		2029	103	31	528	52	49	3	\$60.6
		2030	102	30	524	51	48	2	\$57.3
		2031	85	65	917	80	86	8	\$82.6
		2032	85	64	914	78	85	7	\$81.2
		2033	84	65	912	78	85	7	\$81.1
		2034	85	64	914	78	85	7	\$81.2
		2035	84	63	909	78	84	7	\$80.5
		Total	833	444	6673	598	620	47	\$650.8
	San Diego County	2027	119	37	649	64	53	3	\$74.3
		2028	119	36	651	64	53	2	\$71.4
2029		119	37	650	64	53	3	\$69.9	
2030		119	36	647	63	53	2	\$66.9	
2031		97	77	1127	97	89	8	\$93.1	
2032		96	75	1125	97	88	7	\$91.8	

		2033	96	75	1126	97	88	8	\$92.4
		2034	96	75	1125	97	88	7	\$91.8
		2035	96	75	1121	95	88	7	\$91.3
		Total	957	523	8221	738	653	47	\$742.9
	Santa Clara County	2027	58	18	330	32	25	1	\$36.0
		2028	58	18	329	32	24	1	\$34.6
		2029	58	18	329	32	25	1	\$33.9
		2030	57	17	324	32	24	1	\$32.2
		2031	46	38	574	50	41	4	\$45.3
		2032	46	37	571	49	40	3	\$44.1
		2033	46	37	568	49	41	3	\$44.4
		2034	46	37	571	49	40	3	\$44.1
		2035	46	36	565	48	40	3	\$43.7
		Total	461	256	4161	373	300	20	\$358.1
Florida	Brevard County	2027	6	4	131	9	2	0	\$6.1
		2028	5	2	126	9	1	0	\$5.1
		2029	5	4	127	9	2	0	\$5.5
		2030	7	2	127	8	6	1	\$7.1
		2031	15	5	145	16	17	2	\$15.1
		2032	15	5	141	15	16	1	\$14.0
		2033	13	5	147	16	16	2	\$14.4
		2034	15	5	141	15	16	1	\$14.0
		2035	13	3	139	15	15	1	\$13.0
		Total	94	35	1224	112	91	8	\$94.3
	Broward County	2027	14	8	346	24	4	0	\$15.0
		2028	14	7	342	22	4	0	\$13.9
		2029	14	8	343	23	4	0	\$13.8
		2030	16	6	341	22	15	2	\$18.0
		2031	38	14	387	42	40	4	\$37.4
		2032	37	12	384	42	39	4	\$36.6
		2033	37	13	384	42	38	3	\$35.9
		2034	37	12	384	42	39	4	\$36.6
		2035	36	12	379	41	38	3	\$35.3
		Total	243	92	3290	300	221	20	\$242.6
	Duval County	2027	9	6	214	15	3	0	\$9.7
		2028	9	4	210	14	2	0	\$8.6
		2029	9	4	209	15	3	0	\$8.9
		2030	11	4	210	13	11	1	\$11.7
		2031	25	9	239	27	27	3	\$24.7
		2032	24	8	236	25	26	3	\$23.6
		2033	24	8	234	26	26	2	\$23.3
		2034	24	8	236	25	26	3	\$23.6
		2035	23	7	234	25	25	2	\$22.4
		Total	158	58	2022	185	149	14	\$156.4
	Hillsborough County	2027	11	6	274	19	3	0	\$11.8
		2028	11	6	271	18	3	0	\$11.1

	2029	11	6	270	18	3	0	\$10.8
	2030	14	5	270	17	13	2	\$15.1
	2031	31	10	306	34	31	3	\$29.5
	2032	29	10	303	33	31	3	\$28.9
	2033	30	10	303	33	30	3	\$28.8
	2034	29	10	305	33	31	3	\$28.9
	2035	29	10	300	33	29	2	\$27.7
	Total	195	73	2602	238	174	16	\$192.5
Lee County	2027	6	4	138	9	2	0	\$6.2
	2028	5	2	133	9	1	0	\$5.2
	2029	5	4	135	9	2	0	\$5.5
	2030	6	2	133	9	6	1	\$7.2
	2031	15	5	154	17	14	2	\$14.5
	2032	14	5	150	17	13	1	\$13.4
	2033	14	5	151	16	14	1	\$13.5
	2034	14	5	150	17	13	1	\$13.4
	2035	13	4	146	15	13	1	\$12.6
	Total	92	36	1290	118	78	7	\$91.3
Miami-Dade County	2027	16	9	388	26	5	0	\$16.8
	2028	15	8	381	25	4	0	\$15.4
	2029	16	8	385	26	4	0	\$15.4
	2030	18	8	381	25	17	2	\$20.3
	2031	42	15	433	48	43	4	\$41.1
	2032	41	14	431	46	42	4	\$40.0
	2033	41	13	432	48	41	4	\$40.0
	2034	41	14	431	46	42	4	\$40.0
	2035	41	13	427	46	41	3	\$39.0
	Total	271	102	3689	336	239	21	\$267.9
Orange County	2027	13	8	308	21	4	0	\$13.6
	2028	12	6	306	20	3	0	\$12.2
	2029	13	6	308	21	4	0	\$12.6
	2030	15	6	304	20	15	2	\$17.0
	2031	35	12	343	38	37	4	\$34.3
	2032	33	12	344	38	35	3	\$32.7
	2033	34	10	342	36	37	3	\$32.9
	2034	33	12	344	38	35	3	\$32.7
	2035	33	10	339	36	35	3	\$32.0
	Total	221	82	2938	268	205	18	\$220.0
Palm Beach County	2027	12	7	293	20	4	0	\$12.9
	2028	11	6	289	19	3	0	\$11.6
	2029	12	6	291	20	3	0	\$11.7
	2030	14	6	287	19	13	2	\$15.8
	2031	32	12	326	36	31	3	\$30.6
	2032	31	10	324	35	31	3	\$29.9
	2033	30	10	326	35	31	3	\$29.8
	2034	31	10	324	35	31	3	\$29.9

		2035	30	10	320	34	30	2	\$28.6	
		Total	203	77	2780	253	177	16	\$200.8	
	Pinellas County	2027	6	4	158	11	2	0	\$6.9	
		2028	6	3	154	10	2	0	\$6.3	
		2029	6	4	157	10	2	0	\$6.2	
		2030	6	2	152	10	6	1	\$7.6	
		2031	16	6	177	20	15	2	\$16.0	
		2032	14	5	173	19	13	1	\$14.0	
		2033	16	6	175	19	14	1	\$14.9	
		2034	14	5	173	19	13	1	\$14.0	
		2035	14	5	169	18	13	1	\$13.8	
		Total	98	40	1488	136	80	7	\$99.7	
	Polk County	2027	7	4	151	10	2	0	\$6.8	
		2028	6	4	147	10	2	0	\$6.3	
		2029	6	4	150	10	2	0	\$6.1	
		2030	8	2	146	10	7	1	\$8.3	
		2031	18	7	169	19	19	2	\$17.5	
		2032	17	5	164	18	19	2	\$16.8	
		2033	17	5	167	18	19	2	\$16.8	
		2034	17	5	164	18	19	2	\$16.8	
		2035	16	5	163	17	17	1	\$15.2	
		Total	112	41	1421	130	106	10	\$110.6	
Georgia	Bartow County	2027	2	2	48	4	1	0	\$2.5	
		2028	2	0	41	2	1	0	\$1.7	
		2029	2	2	43	4	1	0	\$2.3	
		2030	3	0	39	2	2	1	\$2.6	
		2031	6	2	50	6	6	1	\$5.7	
		2032	5	2	46	5	6	1	\$5.3	
		2033	5	1	48	6	6	0	\$4.9	
		2034	5	2	46	5	6	1	\$5.3	
		2035	5	1	44	4	5	0	\$4.1	
		Total	35	12	405	38	34	4	\$34.3	
		Chatham County	2027	3	2	72	5	1	0	\$3.2
			2028	3	2	66	4	1	0	\$2.8
			2029	3	2	68	5	1	0	\$3.0
			2030	3	0	64	4	3	1	\$3.6
			2031	8	3	78	9	8	1	\$7.8
			2032	7	3	74	8	8	1	\$7.4
			2033	7	2	75	9	7	0	\$6.6
			2034	7	3	74	8	8	1	\$7.4
			2035	7	2	72	7	6	0	\$5.8
			Total	48	19	643	59	43	4	\$47.7
		Cherokee County	2027	2	2	48	4	1	0	\$2.5
			2028	2	0	41	3	0	0	\$1.6
			2029	2	2	44	4	1	0	\$2.3
			2030	3	0	40	2	2	1	\$2.7

	2031	5	2	50	6	6	1	\$5.5
	2032	5	2	48	5	5	0	\$4.4
	2033	5	1	47	5	5	1	\$4.9
	2034	5	2	48	5	5	0	\$4.4
	2035	3	1	44	4	4	0	\$3.3
	Total	32	12	410	38	29	3	\$31.6
Clayton County	2027	3	2	64	5	1	0	\$3.1
	2028	2	2	58	3	1	0	\$2.3
	2029	3	2	60	5	1	0	\$2.9
	2030	3	0	56	3	3	1	\$3.3
	2031	8	3	69	8	8	1	\$7.5
	2032	6	2	66	8	6	1	\$6.3
	2033	6	2	64	6	7	0	\$5.6
	2034	6	2	66	8	6	1	\$6.3
	2035	6	1	62	6	6	0	\$5.2
	Total	43	16	565	52	39	4	\$42.8
Cobb County	2027	5	4	131	9	2	0	\$5.9
	2028	5	2	126	9	1	0	\$5.1
	2029	5	3	125	9	2	0	\$5.3
	2030	6	2	125	8	6	1	\$6.9
	2031	14	5	143	16	14	2	\$13.9
	2032	13	5	140	15	13	1	\$12.6
	2033	14	5	144	16	13	1	\$13.1
	2034	13	5	140	15	13	1	\$12.6
	2035	13	3	138	14	12	1	\$11.9
	Total	88	34	1212	111	76	7	\$87.3
DeKalb County	2027	7	4	158	11	2	0	\$7.1
	2028	6	4	153	10	2	0	\$6.4
	2029	7	4	156	10	2	0	\$6.4
	2030	8	2	152	10	7	1	\$8.4
	2031	19	7	177	19	19	2	\$17.8
	2032	17	5	172	19	19	2	\$17.1
	2033	17	6	172	19	19	2	\$17.2
	2034	17	5	173	19	19	2	\$17.1
	2035	17	5	168	18	18	1	\$16.0
	Total	115	42	1481	135	107	10	\$113.4
Fulton County	2027	11	6	250	17	3	0	\$11.0
	2028	10	6	246	17	3	0	\$10.4
	2029	10	6	245	17	3	0	\$10.1
	2030	13	4	244	15	13	2	\$14.1
	2031	28	10	278	31	30	3	\$27.7
	2032	28	9	273	30	29	3	\$27.0
	2033	28	9	276	29	30	2	\$26.6
	2034	28	9	275	30	29	3	\$27.0
	2035	27	8	272	29	29	2	\$25.9
	Total	183	67	2359	215	169	15	\$179.7

	Gwinnett County	2027	6	4	150	10	2	0	\$6.5	
		2028	6	3	144	10	2	0	\$6.2	
		2029	6	4	148	10	2	0	\$6.1	
		2030	7	2	145	9	6	1	\$7.5	
		2031	16	7	167	19	16	2	\$16.1	
		2032	16	5	162	18	15	1	\$14.8	
		2033	14	5	166	18	16	2	\$15.2	
		2034	16	5	162	18	15	1	\$14.8	
		2035	14	5	160	17	15	1	\$14.1	
		Total	101	40	1404	129	89	8	\$101.3	
	Hall County	2027	2	2	46	4	1	0	\$2.5	
		2028	2	0	40	2	0	0	\$1.3	
		2029	2	2	43	4	1	0	\$2.3	
		2030	2	0	39	2	2	1	\$2.4	
		2031	5	2	49	6	5	1	\$5.2	
		2032	5	2	46	5	4	0	\$4.1	
		2033	4	1	45	5	4	1	\$4.3	
		2034	5	2	46	5	4	0	\$4.1	
		2035	3	1	42	4	4	0	\$3.3	
		Total	30	12	396	37	25	3	\$29.5	
	Henry County	2027	2	2	49	4	1	0	\$2.5	
		2028	2	0	44	3	0	0	\$1.6	
		2029	2	2	46	4	1	0	\$2.3	
		2030	3	0	43	2	2	1	\$2.7	
		2031	5	2	52	6	6	1	\$5.5	
		2032	5	2	50	5	5	0	\$4.4	
		2033	5	2	49	6	5	1	\$5.2	
		2034	5	2	50	5	5	0	\$4.4	
		2035	3	1	46	5	4	0	\$3.6	
		Total	32	13	429	40	29	3	\$32.3	
	Illinois	Cook County	2027	26	14	645	44	7	0	\$27.5
			2028	26	13	642	42	7	0	\$26.1
2029			26	14	642	43	7	0	\$25.6	
2030			30	13	640	42	29	3	\$34.0	
2031			69	24	724	79	72	7	\$68.2	
2032			69	24	718	78	70	6	\$66.8	
2033			68	23	723	78	70	7	\$67.1	
2034			69	24	720	78	70	6	\$66.8	
2035			68	22	716	78	70	6	\$66.3	
Total			451	171	6170	562	402	35	\$448.3	
DuPage County		2027	7	4	179	13	2	0	\$7.8	
		2028	7	4	172	11	2	0	\$7.0	
		2029	7	4	175	12	2	0	\$7.1	
		2030	9	3	171	11	8	1	\$9.4	
		2031	18	7	198	22	19	2	\$18.4	
		2032	18	7	194	21	18	2	\$17.9	

	2033	18	6	194	21	19	2	\$18.1
	2034	18	7	194	21	18	2	\$17.9
	2035	18	5	190	21	18	1	\$17.1
	Total	120	47	1667	153	106	10	\$120.6
Kane County	2027	4	2	85	6	1	0	\$3.8
	2028	3	2	78	6	1	0	\$3.4
	2029	3	2	81	6	1	0	\$3.4
	2030	4	2	76	4	4	1	\$4.5
	2031	9	4	94	10	10	1	\$9.2
	2032	9	3	89	10	9	1	\$8.7
	2033	8	2	89	10	10	1	\$8.7
	2034	9	3	89	10	9	1	\$8.7
	2035	8	2	86	8	8	0	\$7.1
	Total	57	22	767	70	53	5	\$57.4
Lake County	2027	5	4	119	8	2	0	\$5.5
	2028	4	2	114	8	1	0	\$4.5
	2029	4	2	114	8	1	0	\$4.4
	2030	5	2	113	7	5	1	\$6.0
	2031	12	5	131	15	12	1	\$12.0
	2032	11	4	127	14	11	1	\$11.1
	2033	12	4	129	14	10	1	\$11.0
	2034	11	4	127	14	11	1	\$11.1
	2035	10	3	125	13	10	1	\$10.2
	Total	74	30	1099	101	63	6	\$75.8
Madison County	2027	3	2	70	5	1	0	\$3.2
	2028	3	2	64	4	1	0	\$2.8
	2029	3	2	67	5	1	0	\$3.0
	2030	4	0	63	4	4	1	\$4.2
	2031	9	3	77	9	10	1	\$8.7
	2032	8	3	74	8	10	1	\$8.2
	2033	8	2	72	8	9	1	\$7.8
	2034	8	3	74	8	10	1	\$8.2
	2035	7	2	70	7	8	0	\$6.5
	Total	53	19	631	58	54	5	\$52.5
McLean County	2027	3	2	54	4	1	0	\$2.8
	2028	2	2	48	3	1	0	\$2.2
	2029	3	2	51	4	1	0	\$2.6
	2030	3	0	48	3	4	1	\$3.6
	2031	8	3	58	7	10	1	\$7.8
	2032	7	2	55	5	9	1	\$6.7
	2033	8	1	55	7	10	1	\$7.6
	2034	7	2	55	5	9	1	\$6.7
	2035	6	1	52	5	9	1	\$6.4
	Total	47	15	476	43	54	6	\$46.5
Sangamon County	2027	3	2	57	5	1	0	\$3.1
	2028	2	2	51	3	1	0	\$2.2

		2029	3	2	53	4	1	0	\$2.6
		2030	3	0	49	3	3	1	\$3.3
		2031	8	3	63	7	9	1	\$7.6
		2032	6	2	57	7	8	1	\$6.7
		2033	7	1	58	5	8	1	\$6.4
		2034	6	2	57	7	8	1	\$6.7
		2035	6	1	55	5	7	0	\$5.2
		Total	44	15	500	46	46	5	\$43.7
	St. Clair County	2027	3	2	66	5	1	0	\$3.2
		2028	3	2	62	4	1	0	\$2.8
		2029	3	2	63	5	1	0	\$2.9
		2030	3	0	60	3	3	1	\$3.4
		2031	8	3	72	8	8	1	\$7.6
		2032	7	2	70	8	8	1	\$7.2
		2033	7	3	68	8	7	0	\$6.4
		2034	7	2	70	8	8	1	\$7.2
		2035	6	2	67	7	7	0	\$5.9
		Total	47	18	598	56	44	4	\$46.6
	Will County	2027	5	4	127	9	2	0	\$5.8
		2028	5	2	121	8	1	0	\$4.8
		2029	5	3	122	8	2	0	\$5.1
		2030	6	2	120	8	6	1	\$6.9
		2031	14	5	139	16	14	2	\$13.9
		2032	13	5	135	14	14	1	\$12.7
		2033	14	5	137	15	14	1	\$13.1
		2034	13	5	135	14	14	1	\$12.7
		2035	13	3	132	14	13	1	\$12.1
		Total	88	34	1168	106	80	7	\$87.0
	Winnebago County	2027	3	2	58	5	1	0	\$3.1
		2028	2	2	51	3	1	0	\$2.2
		2029	2	2	54	4	1	0	\$2.4
		2030	3	0	49	3	2	1	\$3.0
		2031	6	2	63	7	7	1	\$6.4
		2032	6	2	57	7	5	0	\$5.2
		2033	5	2	59	6	5	1	\$5.3
		2034	6	2	57	7	5	0	\$5.2
		2035	4	1	55	5	5	0	\$4.2
		Total	37	15	503	47	32	3	\$36.9
Michigan	Genesee County	2027	4	2	95	7	2	0	\$4.5
		2028	4	2	90	6	1	0	\$3.8
		2029	4	2	91	7	1	0	\$3.9
		2030	5	2	88	5	5	1	\$5.4
		2031	11	5	105	11	12	1	\$10.6
		2032	10	3	100	11	11	1	\$9.9
		2033	11	4	100	11	10	1	\$9.9
		2034	10	3	100	11	11	1	\$9.9

	2035	10	3	97	11	10	1	\$9.5
	Total	69	26	866	80	63	6	\$67.3
Kalamazoo County	2027	3	2	69	5	1	0	\$3.2
	2028	3	2	63	4	1	0	\$2.8
	2029	3	2	64	5	1	0	\$3.0
	2030	4	0	62	4	4	1	\$4.2
	2031	9	3	76	8	10	1	\$8.4
	2032	8	3	71	8	9	1	\$7.9
	2033	7	2	71	8	8	1	\$7.2
	2034	8	3	71	8	9	1	\$7.9
	2035	7	2	69	7	8	0	\$6.4
	Total	52	19	616	57	51	5	\$51.0
Kent County	2027	6	4	141	10	2	0	\$6.4
	2028	6	2	136	9	2	0	\$5.8
	2029	6	4	138	9	2	0	\$5.8
	2030	7	2	136	9	7	1	\$7.8
	2031	16	6	157	18	17	2	\$16.0
	2032	16	5	151	17	16	2	\$15.3
	2033	15	5	154	16	17	1	\$14.7
	2034	16	5	152	17	16	2	\$15.3
	2035	14	5	151	16	15	1	\$13.8
	Total	102	38	1316	121	94	9	\$100.8
Livingston County	2027	3	2	65	5	1	0	\$3.2
	2028	3	2	58	4	1	0	\$2.8
	2029	3	2	62	5	1	0	\$2.9
	2030	3	0	56	3	3	1	\$3.3
	2031	8	3	71	8	10	1	\$8.2
	2032	8	2	67	7	9	1	\$7.5
	2033	7	3	65	7	9	1	\$7.4
	2034	8	2	67	7	9	1	\$7.5
	2035	7	1	63	6	8	0	\$6.1
	Total	50	17	574	52	51	5	\$48.8
Macomb County	2027	6	4	146	10	2	0	\$6.5
	2028	5	3	139	9	1	0	\$5.3
	2029	6	4	144	10	2	0	\$6.1
	2030	6	2	139	9	6	1	\$7.3
	2031	15	5	162	18	15	2	\$15.1
	2032	14	5	156	18	14	1	\$13.9
	2033	15	5	162	16	13	1	\$13.5
	2034	14	5	156	18	14	1	\$13.9
	2035	14	4	156	16	13	1	\$13.1
	Total	95	37	1360	124	80	7	\$94.7
Oakland County	2027	11	6	271	18	3	0	\$11.5
	2028	11	6	268	18	3	0	\$11.1
	2029	11	6	267	18	3	0	\$10.8
	2030	12	5	266	17	12	2	\$14.3

		2031	29	10	302	34	29	3	\$28.4
		2032	28	10	299	33	28	2	\$27.1
		2033	28	9	300	32	28	3	\$27.4
		2034	28	10	301	33	28	2	\$27.1
		2035	27	9	295	32	28	2	\$26.6
		Total	185	71	2569	235	162	14	\$184.3
	Ottawa County	2027	3	2	70	5	1	0	\$3.2
		2028	3	2	64	4	1	0	\$2.8
		2029	3	2	67	5	1	0	\$3.0
		2030	4	0	62	4	4	1	\$4.2
		2031	9	3	76	8	10	1	\$8.4
		2032	8	3	72	8	9	1	\$7.9
		2033	7	2	71	8	8	1	\$7.2
		2034	8	3	72	8	9	1	\$7.9
		2035	7	2	69	7	8	0	\$6.4
		Total	52	19	623	57	51	5	\$51.0
	Saginaw County	2027	3	2	65	5	1	0	\$3.2
		2028	3	2	60	4	1	0	\$2.8
		2029	3	2	63	5	1	0	\$2.9
		2030	4	0	56	3	4	1	\$3.9
		2031	8	3	71	8	9	1	\$7.9
		2032	8	3	67	8	9	1	\$7.8
		2033	7	2	67	6	8	1	\$6.8
		2034	8	3	67	8	9	1	\$7.8
		2035	7	1	63	6	8	0	\$6.1
		Total	51	18	579	53	50	5	\$49.1
	Washtenaw County	2027	5	3	100	7	2	0	\$4.9
		2028	4	2	95	7	1	0	\$4.1
		2029	5	2	97	7	1	0	\$4.2
		2030	6	2	96	5	6	1	\$6.0
		2031	13	5	108	12	16	2	\$13.1
		2032	13	3	107	12	15	1	\$12.1
		2033	12	5	110	11	15	2	\$12.4
		2034	13	3	107	12	15	1	\$12.1
		2035	11	3	102	11	14	1	\$11.1
		Total	82	28	922	84	85	8	\$79.9
	Wayne County	2027	13	8	322	22	4	0	\$14.0
		2028	13	6	320	21	3	0	\$12.8
		2029	13	7	319	21	4	0	\$12.8
		2030	16	6	320	21	14	2	\$17.3
		2031	35	12	361	40	36	4	\$34.6
		2032	34	12	358	39	36	3	\$33.6
		2033	34	12	358	39	35	3	\$33.3
		2034	34	12	359	39	36	3	\$33.6
		2035	34	11	354	38	34	3	\$32.6
		Total	226	86	3071	280	202	18	\$224.6

New York	Erie County	2027	12	4	109	11	15	2	\$13.5
		2028	12	3	108	10	16	1	\$12.5
		2029	12	4	108	11	15	2	\$12.7
		2030	12	3	107	10	14	1	\$11.1
		2031	21	9	260	25	28	3	\$23.9
		2032	19	9	256	24	26	3	\$22.6
		2033	20	9	257	23	26	2	\$22.1
		2034	19	9	256	24	26	3	\$22.6
		2035	19	9	253	23	26	2	\$21.8
		Total	146	59	1714	161	192	19	\$162.8
	Kings County	2027	7	2	63	6	8	1	\$7.4
		2028	6	3	61	6	8	1	\$7.0
		2029	7	2	63	6	8	1	\$6.9
		2030	6	2	59	5	7	0	\$5.4
		2031	11	6	153	15	14	2	\$13.3
		2032	11	5	147	14	13	1	\$12.0
		2033	10	5	149	13	13	1	\$11.6
		2034	11	5	147	14	13	1	\$12.0
		2035	9	4	145	13	13	1	\$11.3
		Total	78	34	987	92	97	9	\$86.9
	Monroe County	2027	9	3	85	9	12	1	\$10.3
		2028	10	3	85	8	12	1	\$10.0
		2029	9	3	85	9	12	1	\$9.7
		2030	9	2	82	7	11	1	\$8.5
		2031	16	8	206	19	22	2	\$18.5
		2032	15	7	201	19	21	2	\$17.8
		2033	15	8	203	19	20	2	\$17.6
		2034	15	7	201	19	21	2	\$17.8
		2035	15	6	199	17	20	2	\$16.9
		Total	113	47	1347	126	151	14	\$127.0
	Nassau County	2027	14	5	132	12	17	2	\$15.2
		2028	14	4	131	13	17	2	\$14.9
		2029	14	5	131	12	17	2	\$14.3
		2030	13	4	128	12	17	1	\$13.0
		2031	23	11	314	30	29	3	\$26.5
		2032	23	11	312	29	29	3	\$26.3
		2033	22	10	311	29	28	3	\$25.6
		2034	23	11	312	29	29	3	\$26.3
		2035	21	10	305	28	28	2	\$24.6
		Total	167	71	2076	194	211	21	\$186.7
	New York County	2027	5	2	46	4	6	1	\$5.5
		2028	5	2	48	5	6	0	\$5.0
		2029	5	2	46	4	6	1	\$5.2
		2030	4	1	43	4	6	0	\$4.2
		2031	8	5	115	11	11	1	\$9.8
		2032	8	3	110	10	11	1	\$9.3

	2033	8	4	111	10	10	1	\$9.1
	2034	8	3	110	10	11	1	\$9.3
	2035	8	3	108	10	9	1	\$8.7
	Total	59	25	737	68	76	7	\$66.1
Onondaga County	2027	8	2	63	6	11	1	\$8.6
	2028	7	3	62	6	10	1	\$7.9
	2029	8	2	62	6	11	1	\$8.1
	2030	7	2	59	5	9	1	\$6.8
	2031	13	6	152	15	19	2	\$15.3
	2032	13	6	146	13	17	2	\$14.1
	2033	12	4	148	14	19	2	\$14.6
	2034	13	6	146	13	17	2	\$14.1
	2035	11	4	144	13	17	1	\$13.0
	Total	92	35	982	91	130	13	\$102.5
Orange County	2027	8	3	64	7	12	1	\$9.3
	2028	8	2	64	5	11	1	\$8.2
	2029	8	3	64	7	12	1	\$8.8
	2030	7	2	59	5	10	1	\$7.1
	2031	13	6	155	15	20	2	\$15.6
	2032	13	6	150	14	20	2	\$15.4
	2033	13	5	153	13	19	2	\$14.8
	2034	13	6	150	14	20	2	\$15.4
	2035	13	4	147	13	18	2	\$14.3
	Total	96	37	1006	93	142	14	\$108.7
Queens County	2027	11	3	96	9	14	1	\$11.6
	2028	10	4	97	10	13	2	\$11.6
	2029	11	3	96	9	14	1	\$10.9
	2030	10	3	94	8	13	1	\$9.8
	2031	18	9	233	22	24	3	\$21.1
	2032	18	8	230	21	24	2	\$20.2
	2033	17	8	231	22	22	2	\$19.6
	2034	18	8	230	21	24	2	\$20.2
	2035	17	7	226	21	22	2	\$19.2
	Total	130	53	1533	143	170	16	\$144.2
Suffolk County	2027	18	6	178	18	22	2	\$19.9
	2028	18	7	175	17	21	2	\$18.8
	2029	18	6	177	18	22	2	\$18.7
	2030	18	5	173	16	20	2	\$17.0
	2031	30	14	422	39	38	4	\$34.8
	2032	29	14	420	39	36	4	\$33.9
	2033	29	14	416	38	37	3	\$33.4
	2034	29	14	420	39	36	4	\$33.9
	2035	28	14	413	38	36	3	\$32.8
	Total	217	94	2794	262	268	26	\$243.3
Westchester County	2027	12	4	110	11	16	2	\$13.8
	2028	13	4	111	11	15	1	\$12.7

		2029	12	4	109	11	16	2	\$13.0	
		2030	12	3	109	10	15	1	\$11.4	
		2031	21	9	265	25	29	3	\$24.3	
		2032	20	9	262	24	27	3	\$23.2	
		2033	21	9	259	24	27	3	\$23.4	
		2034	20	9	262	24	27	3	\$23.2	
		2035	20	9	258	24	27	2	\$22.6	
		Total	151	60	1745	164	199	20	\$167.7	
North Carolina	Buncombe County	2027	5	2	40	4	6	1	\$5.5	
		2028	4	1	42	4	6	0	\$4.4	
		2029	5	2	40	4	6	1	\$5.1	
		2030	4	0	38	3	5	0	\$3.5	
		2031	8	5	102	10	11	1	\$9.4	
		2032	7	3	98	9	10	1	\$8.5	
		2033	8	4	97	9	9	1	\$8.4	
		2034	7	3	98	9	10	1	\$8.5	
		2035	6	3	95	8	9	0	\$7.1	
		Total	54	23	650	60	72	6	\$60.4	
		Cumberland County	2027	7	2	53	5	9	1	\$7.4
	2028		5	2	55	6	9	1	\$6.9	
	2029		7	2	53	5	9	1	\$6.9	
	2030		5	1	51	4	8	1	\$5.6	
	2031		12	5	131	13	16	2	\$13.4	
	2032		10	5	127	12	15	1	\$11.8	
	2033		11	4	127	12	15	2	\$12.5	
	2034		10	5	127	12	15	1	\$11.8	
	2035		10	4	125	11	15	1	\$11.5	
	Total		77	30	849	80	111	11	\$87.8	
		Durham County	2027	5	2	46	4	6	1	\$5.5
	2028		6	1	47	5	7	0	\$5.5	
	2029		5	2	47	4	6	1	\$5.2	
	2030		5	1	43	4	6	0	\$4.4	
	2031		10	5	114	11	12	2	\$11.1	
	2032		8	4	110	10	12	1	\$9.7	
	2033		8	4	112	10	11	1	\$9.4	
	2034		8	4	110	10	12	1	\$9.7	
	2035		8	3	107	10	10	1	\$9.0	
	Total		63	26	736	68	82	8	\$69.5	
		Forsyth County	2027	7	2	50	5	7	1	\$6.6
	2028		5	2	54	5	7	1	\$6.0	
	2029		7	2	50	5	7	1	\$6.2	
	2030		5	1	48	4	7	0	\$4.7	
	2031		10	5	126	12	13	2	\$11.7	
	2032		9	4	121	11	13	1	\$10.6	
2033	10		5	122	11	12	1	\$10.6		
2034	9		4	121	11	13	1	\$10.6		

	2035	8	3	120	11	12	1	\$10.0
	Total	70	28	812	75	91	9	\$77.1
Guilford County	2027	10	3	89	9	12	1	\$10.5
	2028	10	4	85	8	13	1	\$10.4
	2029	10	3	88	9	12	1	\$9.9
	2030	9	2	83	7	12	1	\$8.8
	2031	17	8	208	20	22	3	\$19.5
	2032	15	7	205	19	21	2	\$17.8
	2033	16	8	205	20	21	2	\$18.4
	2034	15	7	205	19	21	2	\$17.8
	2035	15	6	202	18	21	2	\$17.5
	Total	117	48	1370	129	155	15	\$130.7
Iredell County	2027	5	1	34	3	8	1	\$5.7
	2028	5	2	36	3	7	1	\$5.4
	2029	5	1	34	3	8	1	\$5.4
	2030	4	0	34	3	7	0	\$4.1
	2031	9	4	89	9	13	2	\$10.4
	2032	8	3	84	8	12	1	\$8.9
	2033	8	4	85	8	13	1	\$9.4
	2034	8	3	84	8	12	1	\$8.9
	2035	7	3	81	7	12	1	\$8.5
	Total	59	21	561	52	92	9	\$66.7
Johnston County	2027	6	2	42	4	9	1	\$6.8
	2028	7	1	45	5	9	1	\$6.9
	2029	6	2	43	4	9	1	\$6.4
	2030	5	1	40	3	9	1	\$5.6
	2031	11	5	107	10	16	2	\$12.3
	2032	10	4	103	10	16	2	\$11.9
	2033	9	4	102	9	15	1	\$10.6
	2034	10	4	103	10	16	2	\$11.9
	2035	9	3	100	8	14	1	\$10.0
	Total	73	26	685	63	113	12	\$82.3
Mecklenburg County	2027	17	5	156	16	20	2	\$18.2
	2028	17	6	156	15	21	2	\$17.8
	2029	17	5	156	16	20	2	\$17.1
	2030	17	5	152	14	20	2	\$16.1
	2031	28	14	372	34	36	4	\$32.1
	2032	27	12	369	34	36	3	\$31.1
	2033	27	13	372	34	36	4	\$31.8
	2034	27	12	369	34	36	3	\$31.1
	2035	27	12	366	34	34	3	\$30.4
	Total	204	84	2468	231	259	25	\$225.8
Robeson County	2027	6	1	35	3	9	1	\$6.3
	2028	6	2	38	4	9	1	\$6.5
	2029	6	1	35	3	9	1	\$6.0
	2030	5	1	34	3	9	1	\$5.6

		2031	10	4	91	9	17	2	\$11.9	
		2032	9	4	87	8	16	2	\$11.1	
		2033	10	3	86	8	17	1	\$11.0	
		2034	9	4	87	8	16	2	\$11.1	
		2035	9	3	82	7	15	1	\$9.9	
		Total	70	23	575	53	117	12	\$79.3	
	Wake County	2027	15	5	145	14	18	2	\$16.4	
		2028	15	5	144	15	18	1	\$15.6	
		2029	15	5	143	14	18	2	\$15.4	
		2030	14	5	142	13	17	1	\$13.7	
		2031	25	12	345	32	32	3	\$28.7	
		2032	24	11	342	32	31	3	\$28.1	
		2033	24	12	340	31	30	3	\$27.6	
		2034	24	11	342	32	31	3	\$28.1	
		2035	24	11	337	31	30	3	\$27.5	
		Total	180	77	2280	214	225	21	\$201.1	
	Ohio	Cuyahoga County	2027	9	6	212	15	3	0	\$9.7
			2028	9	4	210	13	2	0	\$8.4
			2029	9	4	208	15	3	0	\$8.8
2030			10	4	210	13	10	1	\$11.2	
2031			24	9	236	27	25	3	\$23.8	
2032			23	8	235	25	24	2	\$22.2	
2033			23	7	233	26	25	3	\$23.2	
2034			23	8	236	25	24	2	\$22.2	
2035			23	7	231	25	24	2	\$22.1	
Total			153	57	2011	184	140	13	\$151.5	
Franklin County		2027	10	6	241	17	3	0	\$10.7	
		2028	10	4	238	15	3	0	\$9.7	
		2029	10	6	238	16	3	0	\$9.8	
		2030	13	4	237	15	11	2	\$13.4	
		2031	27	10	269	30	29	3	\$26.8	
		2032	27	9	265	29	29	3	\$26.5	
		2033	27	9	268	30	29	2	\$26.2	
		2034	27	9	267	29	29	3	\$26.5	
		2035	25	8	263	28	27	2	\$24.5	
		Total	176	65	2286	209	163	15	\$174.0	
Hamilton County		2027	7	4	168	12	2	0	\$7.4	
		2028	7	4	163	11	2	0	\$6.9	
		2029	7	4	165	11	2	0	\$6.7	
		2030	9	2	162	11	9	1	\$9.5	
		2031	19	7	187	20	20	2	\$18.4	
		2032	18	6	184	20	19	2	\$17.8	
		2033	19	7	183	20	20	2	\$18.4	
		2034	18	6	184	20	19	2	\$17.8	
		2035	18	5	180	19	19	1	\$16.9	
		Total	122	45	1576	144	112	10	\$119.8	

Licking County	2027	3	2	57	5	1	0	\$3.1
	2028	3	2	50	3	1	0	\$2.4
	2029	3	2	53	4	1	0	\$2.6
	2030	3	0	49	3	4	1	\$3.6
	2031	8	3	62	7	10	1	\$7.9
	2032	8	2	57	7	10	1	\$7.7
	2033	7	2	57	5	9	1	\$6.8
	2034	8	2	57	7	10	1	\$7.7
	2035	6	1	54	5	9	1	\$6.4
	Total	49	16	496	46	55	6	\$48.2
Lorain County	2027	3	2	65	5	1	0	\$3.2
	2028	3	2	58	4	1	0	\$2.8
	2029	3	2	62	5	1	0	\$2.9
	2030	3	0	56	3	3	1	\$3.3
	2031	8	3	71	8	8	1	\$7.5
	2032	7	2	67	7	8	1	\$7.0
	2033	7	3	65	7	7	0	\$6.2
	2034	7	2	67	7	8	1	\$7.0
	2035	6	1	63	6	6	0	\$5.2
	Total	47	17	574	52	43	4	\$45.1
Lucas County	2027	3	2	78	6	1	0	\$3.5
	2028	3	2	72	4	1	0	\$2.9
	2029	3	2	75	6	1	0	\$3.3
	2030	4	1	69	4	4	1	\$4.3
	2031	9	3	86	9	9	1	\$8.4
	2032	8	3	82	9	8	1	\$7.9
	2033	8	2	82	9	8	1	\$7.8
	2034	8	3	82	9	8	1	\$7.9
	2035	7	2	79	8	7	0	\$6.4
	Total	53	20	705	64	47	5	\$52.5
Montgomery County	2027	5	3	105	8	2	0	\$5.2
	2028	4	2	100	7	1	0	\$4.1
	2029	4	2	101	7	1	0	\$4.0
	2030	5	2	101	6	5	1	\$5.7
	2031	11	5	115	13	12	1	\$11.2
	2032	11	3	113	12	11	1	\$10.4
	2033	11	5	113	12	12	1	\$10.9
	2034	11	3	113	12	11	1	\$10.4
	2035	11	3	109	12	11	1	\$10.4
	Total	73	28	970	89	66	6	\$72.4
Stark County	2027	3	2	69	5	1	0	\$3.2
	2028	3	2	62	4	1	0	\$2.8
	2029	3	2	64	5	1	0	\$3.0
	2030	3	0	62	4	3	1	\$3.6
	2031	8	3	75	8	8	1	\$7.6
	2032	7	2	70	8	8	1	\$7.2

		2033	7	3	70	8	6	0	\$6.1	
		2034	7	2	70	8	8	1	\$7.2	
		2035	6	2	69	6	6	0	\$5.4	
		Total	47	18	611	56	42	4	\$46.1	
	Summit County	2027	5	4	114	8	2	0	\$5.4	
		2028	5	2	109	8	1	0	\$4.7	
		2029	5	2	109	8	2	0	\$4.9	
		2030	6	2	109	6	6	1	\$6.3	
		2031	14	5	123	14	15	2	\$13.6	
		2032	12	5	121	13	15	1	\$12.4	
		2033	14	3	123	13	13	2	\$12.6	
		2034	12	5	122	13	15	1	\$12.4	
		2035	12	3	119	13	13	1	\$11.6	
		Total	85	31	1049	96	82	8	\$83.8	
		Wood County	2027	3	2	57	5	1	0	\$3.1
			2028	3	2	50	3	1	0	\$2.4
	2029		3	2	53	4	1	0	\$2.6	
	2030		3	0	49	3	4	1	\$3.6	
	2031		8	3	61	7	10	1	\$7.9	
	2032		8	2	57	7	10	1	\$7.7	
	2033		7	2	57	5	9	1	\$6.8	
	2034		8	2	57	7	10	1	\$7.7	
	2035		6	1	54	5	9	1	\$6.4	
	Total		49	16	495	46	55	6	\$48.2	
	Pennsylvania	Allegheny County	2027	13	4	121	12	16	2	\$14.4
			2028	13	5	120	11	15	1	\$12.9
			2029	13	4	120	12	16	2	\$13.6
2030			13	3	117	11	14	1	\$11.6	
2031			22	11	287	27	27	3	\$24.7	
2032			21	9	285	26	27	3	\$24.1	
2033			20	11	287	27	26	2	\$23.4	
2034			21	9	285	26	27	3	\$24.1	
2035			20	9	280	25	25	2	\$22.4	
Total			156	65	1902	177	193	19	\$171.3	
Berks County		2027	8	2	56	5	12	1	\$8.7	
		2028	7	3	58	6	11	1	\$8.2	
		2029	8	2	56	5	12	1	\$8.1	
		2030	7	1	55	5	11	1	\$7.3	
		2031	13	6	142	14	20	2	\$15.3	
		2032	13	6	137	13	19	2	\$14.7	
		2033	12	4	137	12	20	2	\$14.4	
		2034	13	6	137	13	19	2	\$14.7	
		2035	12	4	134	12	19	2	\$14.0	
		Total	93	34	912	85	143	14	\$105.3	
Bucks County	2027	8	2	71	7	9	1	\$8.3		
	2028	7	3	69	6	9	1	\$7.6		

		2029	8	2	71	7	9	1	\$7.8
		2030	6	2	66	6	8	0	\$6.0
		2031	12	6	170	16	16	2	\$14.5
		2032	12	6	165	15	16	2	\$14.2
		2033	12	6	167	16	15	1	\$13.6
		2034	12	6	165	15	16	2	\$14.2
		2035	11	5	162	15	14	1	\$12.7
		Total	88	38	1106	103	112	11	\$99.0
	Chester County	2027	8	2	66	7	10	1	\$8.5
		2028	8	3	66	6	9	1	\$7.8
		2029	8	2	66	7	10	1	\$8.0
		2030	6	2	63	5	8	1	\$6.3
		2031	13	6	161	16	17	2	\$14.9
		2032	12	6	157	14	17	2	\$14.3
		2033	12	6	158	15	15	1	\$13.3
		2034	12	6	157	14	17	2	\$14.3
		2035	11	5	153	14	15	1	\$12.7
		Total	90	38	1047	98	118	12	\$100.2
	Cumberland County	2027	6	2	43	4	9	1	\$6.8
		2028	7	1	47	5	9	1	\$7.0
		2029	6	2	44	4	9	1	\$6.4
		2030	5	1	42	4	9	1	\$5.9
		2031	11	5	112	10	16	2	\$12.3
		2032	10	4	107	10	16	2	\$11.9
		2033	11	4	107	10	16	1	\$11.6
		2034	10	4	107	10	16	2	\$11.9
		2035	10	3	105	9	16	1	\$11.1
		Total	76	26	714	66	116	12	\$84.9
	Lancaster County	2027	8	3	70	7	11	1	\$9.0
		2028	9	2	67	6	11	1	\$8.6
		2029	8	3	70	7	11	1	\$8.5
		2030	8	2	66	6	10	1	\$7.6
		2031	14	6	169	16	20	2	\$16.2
		2032	14	6	163	15	19	2	\$15.6
		2033	13	6	165	16	20	2	\$15.9
		2034	14	6	163	15	19	2	\$15.6
		2035	12	6	160	14	18	1	\$14.1
		Total	100	40	1093	102	139	13	\$111.2
	Montgomery County	2027	10	3	96	9	12	1	\$10.6
		2028	10	4	96	10	12	1	\$10.6
		2029	10	3	96	9	12	1	\$10.0
		2030	9	2	94	8	12	1	\$9.2
		2031	18	9	233	22	22	2	\$19.9
		2032	16	8	229	21	21	2	\$18.8
		2033	16	8	230	21	20	2	\$18.5
		2034	16	8	229	21	21	2	\$18.8

		2035	16	7	226	21	20	2	\$18.4	
		Total	121	52	1529	142	152	14	\$134.9	
	Philadelphia County	2027	8	3	78	8	10	1	\$9.0	
		2028	8	2	75	7	9	1	\$8.1	
		2029	8	3	78	8	10	1	\$8.5	
		2030	7	2	73	6	8	1	\$6.8	
		2031	14	7	187	18	17	2	\$16.0	
		2032	13	6	183	17	17	2	\$15.4	
		2033	13	6	182	16	15	1	\$14.0	
		2034	13	6	183	17	17	2	\$15.4	
		2035	12	6	179	16	15	1	\$13.7	
		Total	96	41	1218	113	118	12	\$106.9	
	Westmoreland County	2027	7	2	56	5	9	1	\$7.4	
		2028	7	3	55	6	10	1	\$7.8	
		2029	7	2	56	5	9	1	\$6.9	
		2030	6	1	54	5	9	1	\$6.4	
		2031	12	6	138	14	18	2	\$14.4	
		2032	11	5	131	12	16	2	\$12.9	
		2033	12	4	132	12	18	1	\$13.2	
		2034	11	5	131	12	16	2	\$12.9	
		2035	11	4	129	12	16	1	\$12.3	
		Total	84	32	882	83	121	12	\$94.2	
	York County	2027	7	2	50	5	8	1	\$7.0	
		2028	5	2	54	5	7	1	\$6.0	
		2029	7	2	50	5	8	1	\$6.6	
		2030	5	1	48	4	7	0	\$4.7	
		2031	11	5	126	12	15	2	\$12.6	
		2032	10	4	121	11	13	1	\$10.8	
		2033	10	5	121	11	14	1	\$11.2	
		2034	10	4	121	11	13	1	\$10.8	
		2035	9	4	119	11	13	1	\$10.6	
		Total	74	29	810	75	98	9	\$80.3	
Texas	Bexar County	2027	15	8	357	25	4	0	\$15.6	
		2028	15	8	351	23	4	0	\$14.6	
		2029	15	8	355	23	4	0	\$14.2	
		2030	18	6	351	23	18	2	\$19.7	
		2031	41	14	399	43	44	4	\$39.6	
		2032	40	13	396	43	43	4	\$39.0	
		2033	41	13	396	43	44	4	\$39.5	
		2034	40	13	396	43	43	4	\$39.0	
		2035	39	13	390	43	42	4	\$38.4	
		Total	264	96	3391	309	246	22	\$259.6	
		Collin County	2027	8	4	184	13	2	0	\$8.1
			2028	7	4	178	12	2	0	\$7.3
			2029	7	4	181	12	2	0	\$7.1
			2030	9	3	176	11	8	1	\$9.4

		2031	20	7	204	22	20	2	\$19.2
		2032	19	7	201	22	19	2	\$18.7
		2033	19	6	200	22	19	2	\$18.6
		2034	19	7	201	22	19	2	\$18.7
		2035	18	6	196	21	18	1	\$17.2
		Total	126	48	1721	157	109	10	\$124.4
	Dallas County	2027	23	12	548	37	7	0	\$23.9
		2028	23	12	543	36	6	0	\$22.5
		2029	23	12	544	37	6	0	\$22.1
		2030	27	10	544	35	27	3	\$30.0
		2031	63	21	612	67	66	6	\$60.5
		2032	61	20	608	66	65	6	\$59.4
		2033	61	20	613	66	66	6	\$59.7
		2034	61	20	608	66	65	6	\$59.4
		2035	61	20	608	66	64	6	\$59.0
		Total	403	147	5228	476	372	33	\$396.4
	Denton County	2027	6	4	143	10	2	0	\$6.5
		2028	6	2	138	9	2	0	\$5.8
		2029	6	4	141	10	2	0	\$6.1
		2030	8	2	138	9	7	1	\$8.0
		2031	16	7	161	18	17	2	\$16.1
		2032	16	5	155	17	16	2	\$15.3
		2033	16	5	159	17	17	1	\$15.1
		2034	16	5	155	17	16	2	\$15.3
		2035	14	5	152	16	16	1	\$14.1
		Total	104	39	1342	123	95	9	\$102.3
	El Paso County	2027	6	4	143	10	2	0	\$6.5
		2028	6	2	138	9	2	0	\$5.8
		2029	6	4	141	10	2	0	\$6.1
		2030	7	2	138	9	7	1	\$7.8
		2031	16	7	161	18	18	2	\$16.4
		2032	16	5	155	17	16	2	\$15.3
		2033	16	5	159	17	17	1	\$15.1
		2034	16	5	155	17	16	2	\$15.3
		2035	14	5	152	16	16	1	\$14.1
		Total	103	39	1342	123	96	9	\$102.4
	Harris County	2027	37	19	892	60	10	0	\$38.1
		2028	36	18	886	59	10	0	\$36.4
		2029	37	19	889	59	10	0	\$35.6
		2030	44	18	885	58	42	4	\$48.0
		2031	99	34	1001	109	104	10	\$96.7
		2032	99	33	996	108	104	10	\$96.3
		2033	97	33	997	108	102	9	\$94.8
		2034	99	33	996	108	104	10	\$96.3
		2035	97	32	992	108	102	9	\$94.6
		Total	645	239	8534	777	588	52	\$636.9

Hidalgo County	2027	5	4	131	9	2	0	\$5.9
	2028	5	2	126	9	1	0	\$5.1
	2029	5	3	128	9	2	0	\$5.4
	2030	6	2	127	8	5	1	\$6.6
	2031	14	5	145	16	13	1	\$13.1
	2032	13	5	142	15	13	1	\$12.6
	2033	13	5	145	16	12	1	\$12.6
	2034	13	5	142	15	13	1	\$12.6
	2035	12	4	140	15	11	1	\$11.7
	Total	86	35	1226	112	72	6	\$85.5
Montgomery County	2027	5	4	121	8	2	0	\$5.5
	2028	5	2	116	8	1	0	\$4.7
	2029	5	2	118	8	2	0	\$5.0
	2030	6	2	116	7	6	1	\$6.6
	2031	14	5	132	15	14	2	\$13.6
	2032	13	5	130	14	13	1	\$12.3
	2033	13	4	131	15	13	1	\$12.4
	2034	13	5	130	14	13	1	\$12.3
	2035	12	3	126	14	12	1	\$11.5
	Total	86	32	1120	103	76	7	\$83.9
Tarrant County	2027	16	8	380	26	5	0	\$16.7
	2028	15	8	375	24	4	0	\$15.1
	2029	16	8	377	26	4	0	\$15.3
	2030	19	8	374	24	18	2	\$20.6
	2031	43	15	425	47	45	4	\$41.6
	2032	41	14	423	46	43	4	\$40.2
	2033	43	14	422	45	44	4	\$40.7
	2034	41	14	423	46	43	4	\$40.2
	2035	41	13	418	45	43	4	\$39.9
	Total	275	102	3617	329	249	22	\$270.2
Travis County	2027	10	6	244	17	3	0	\$10.7
	2028	10	5	240	16	3	0	\$10.0
	2029	10	6	239	17	3	0	\$10.0
	2030	11	4	239	15	10	1	\$12.1
	2031	27	10	273	30	27	3	\$26.2
	2032	26	9	269	29	27	2	\$25.1
	2033	26	8	269	29	26	3	\$25.2
	2034	26	9	272	29	27	2	\$25.1
	2035	25	8	264	28	25	2	\$23.9
	Total	171	65	2309	210	151	13	\$168.5

List of Acronyms

Acronym	Description
BEV	Battery Electric Vehicle
DCFC	Direct Current Fast Charger
EVSE	Electric Vehicle Supply Equipment
HD	Heavy Duty
MCS	Megawatt Charging System
MD	Medium Duty
MDHD	Medium- and Heavy-Duty
MOVES	Motor Vehicle Emission Simulator Tool
ZEV	Zero Emission Vehicle



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