

MARC Model Users Group Meeting

September 12, 2024

To provide a forum share and discuss travel model development, application , and research efforts among the MARC transportation planning community



Agenda

- Welcome & Introductions
- MARC Transportation Modeling Program Updates - MARC Eileen Yang and Sean McAtee and Ray Saeidi in Cambridge Systematic
- MARC DRAFT Regional Forecasts of Total Population and Employment, 2020-2050 - MARC Frank Lenk
- The 5-County Model update for the K-10 Capacity Improvements Project -HNTB Kip Strauss & Jerry Shadewald
- Open Discussion (MARC model application, insights about the advanced travel model, and the city model developments, etc.)
- Adjourn

The Updates of MARC Modeling Program

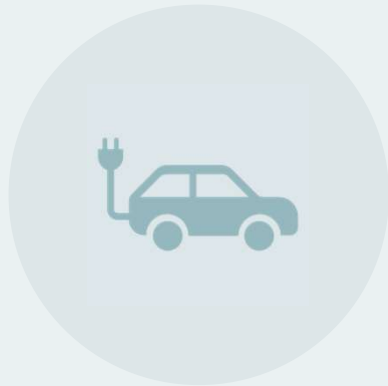
Latest Version:
MTDM-2019

Latest MARC Land
use Forecast
Model Inputs

2024 Model
Applications

Next Steps

Latest Version M-2019

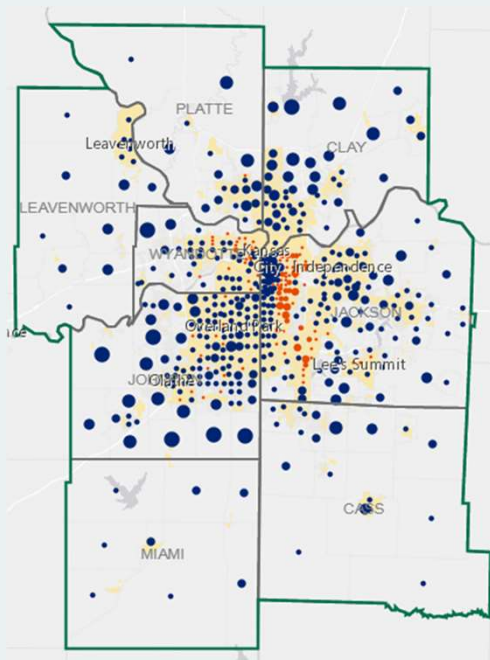


BASE YEAR: 2019



FUTURE YEAR: 2050

MARC Land use Forecast 2020-2050



A	C	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
TAZ	TAZ10	P2010	P2020	P2030	P2040	P2050	H2010	H2020	H2030	H2040	H2050	E2010	E2020	E2030	E2040	E2050
2009100003001	3001	571	796	1,175	1,175	1,175	273	376	607	607	607	605	806	800	830	875
2009100003002	3002	641	648	857	857	857	297	300	424	424	424	305	355	353	366	378
2009100003003	3003	753	776	818	818	818	346	356	381	381	381	316	360	357	371	380
2009100003004	3004	153	160	161	163	165	63	66	66	67	68	191	285	283	293	315
2009100003005	3005	1,144	1,196	1,204	1,217	1,237	524	547	551	559	572	55	91	91	94	103
2009100003006	3006	632	661	665	672	685	262	273	276	280	287	35	59	59	61	66
2009100003007	3007	794	830	835	845	861	323	337	340	345	354	20	827	821	852	1,039
2009100003008	3008	769	790	804	833	850	273	280	287	300	309	42	58	58	58	61
2009100003009	3009	1,042	1,070	1,089	1,128	1,153	412	423	432	453	467	158	160	160	160	160
2009100003010	3010	1,106	1,083	1,073	1,074	1,069	459	450	446	446	444	101	120	122	119	118
2009100003011	3011	861	843	836	836	833	389	381	378	378	376	278	220	223	217	217
2009100003012	3012	802	786	778	778	774	369	361	358	358	356	1,230	1,025	1,043	1,013	1,082
2009100003013	3013	637	624	618	618	616	316	310	307	307	305	15	8	8	8	8
2009100003014	3014	839	822	814	814	810	435	426	422	422	420	361	368	374	363	363
2009100003015	3015	641	625	620	627	626	287	280	278	282	281	90	23	23	25	25

2024 Model Applications

LRTP2050
Update
Scenario
Analysis

2050 Regional
Traffic
Forecast

Green House
Gas Emission
Analysis

Data Requests

Next Step

L RTP Updates Support

MARC Model Expansion

Next Generation Traffic Model

Continuing Model Data Request

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Thank
you

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