

**APPENDIX 7**  
**MOVES Input Parameters**

## Meteorological Data

From RFP SIP for year 2015 and 2017

- [Appendix D: Revisions to Appendix 9, Houston-Galveston-Brazoria 1997 Eight-Hour Ozone Nonattainment Area Reasonable Further Progress On-Road Mobile Source Emissions Inventories, Adopted March 10, 2010](#)

For the HGB region

hourID	Temperature(F)	Relative Humidity
1	77.1	73
2	75.7	77.2
3	75.2	78.7
4	74.1	80.1
5	72.7	83.6
6	72.5	84.4
7	72.4	84.5
8	76	78
9	79.6	68.9
10	83.1	59.5
11	85.6	52.1
12	87.8	47.3
13	89	43
14	90.1	40.6
15	91.2	39.3
16	91.2	39.5
17	91.4	40.3
18	90.9	40.2
19	88.8	44.3
20	85.4	51.4
21	82.7	57.7
22	81	60.1
23	80.3	62
24	78.8	66.6

From AD SIP for years 2025, 2035 and 2040

- [Appendix A: Evaluation of On-Road Mobile Source Emissions Developed with the MOVES2010a Model Replacing Emissions Developed with the MOBILE6.2 Model for the HGB Attainment Demonstration SIP Revision for the 1997 Eight-Hour Ozone Standard, Adopted March 10, 2010](#)

Brazoria County

HourID	Temperature(F)	Relative Humidity
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1	76.4	85.18
2	75.93	85.91
3	75.51	86.46
4	75.13	86.79
5	74.77	87.17
6	74.48	87.27
7	74.26	87.4
8	75.88	83.97
9	79.39	75.02
10	82.06	67.24
11	83.71	60.46
12	85.15	55.87
13	86.02	53.36
14	86.46	52.3
15	86.59	52.78
16	86.62	52.98
17	86.41	55.26
18	85.77	57.53
19	84.52	61.5
20	82.43	67.89
21	80.09	75.05
22	78.62	79.55
23	77.67	82.08
24	76.92	84.22

Refer to agency that sent the data.

### Chambers County

HourID	Temperature(F)	Relative Humidity
1	81.59	80.26
2	81.29	81.88
3	80.98	83.22
4	80.75	84.5
5	80.48	85.57
6	80.15	86.52
7	79.78	87.01
8	79.66	84.16
9	79.95	76.99
10	80.59	70.27
11	81.44	64.56
12	82.33	60.61
13	83.09	58.26
14	83.74	56.87

15	84.14	55.95
16	84.69	55.98
17	84.9	56.1
18	84.76	57.62
19	84.23	59.89
20	83.35	64.35
21	82.67	69.39
22	82.35	72.78
23	82.05	75.56
24	81.82	78.14

Fort Bend County

HourID	Temperature(F)	Relative Humidity
1	75.27	87.86
2	74.55	89.7
3	73.92	90.86
4	73.5	91.65
5	73.3	91.9
6	73.04	91.82
7	73	91.31
8	76.19	86.94
9	79.89	77.76
10	82.7	69.61
11	84.78	61.68
12	86.34	57.83
13	87.87	54.04
14	88.6	52.96
15	88.73	52.98
16	88.99	52.46
17	88.3	53.35
18	87.26	55.91
19	85.32	60.27
20	82.46	67.13
21	80.01	73.7
22	78.19	79
23	77.08	82.74
24	75.98	86.08

Galveston County

HourID	Temperature(F)	Relative Humidity
1	80.61	74.28
2	80.17	75.06
3	79.84	75.77
4	79.51	76.12
5	79.15	76.7
6	78.83	77.23
7	78.56	77.47
8	79.39	76.08
9	80.94	72.25
10	82.23	68.65
11	83.27	65.76
12	84.07	64.14
13	84.59	63.52
14	84.98	63.19
15	85.16	63
16	85.33	62.86
17	85.41	62.8
18	85.04	63.45
19	84.15	65.43
20	82.98	68.13
21	81.91	71
22	81.48	72.19
23	81.13	73.21
24	80.92	73.76

Harris County

HourID	Temperature(F)	Relative Humidity
1	78.62	79.98
2	77.91	81.75
3	77.35	83.13
4	76.8	84.29
5	76.35	85.19
6	75.94	85.93
7	75.71	86.01
8	76.74	83.14
9	79.3	76.21
10	81.6	69.67
11	83.51	63.84
12	85.07	59.14
13	86.23	55.84
14	87.03	54.14

15	87.52	53.11
16	87.76	53.18
17	87.64	54.15
18	87.15	55.64
19	86.21	58.16
20	84.47	63.12
21	82.48	68.42
22	81.12	72.2
23	80.13	75.19
24	79.29	77.86

Liberty County

HourID	Temperature(F)	Relative Humidity
1	74.61	86.45
2	73.73	87.66
3	73	88.9
4	72.26	89.57
5	71.81	89.65
6	71.44	89.7
7	71.09	89.93
8	72.74	88.2
9	77.04	78.72
10	80.34	68.68
11	83.04	60.34
12	85.42	54.5
13	87.1	50.59
14	88.2	48.33
15	88.82	47.17
16	89.14	47.12
17	88.84	48.68
18	87.98	51.12
19	86.36	55.47
20	83.75	63.14
21	80.37	73.13
22	78.18	78.97
23	76.75	82.31
24	75.56	84.86

Montgomery County

HourID	Temperature(F)	Relative
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		Humidity
1	74.61	86.45
2	73.73	87.66
3	73	88.9
4	72.26	89.57
5	71.81	89.65
6	71.44	89.7
7	71.09	89.93
8	72.74	88.2
9	77.04	78.72
10	80.34	68.68
11	83.04	60.34
12	85.42	54.5
13	87.1	50.59
14	88.2	48.33
15	88.82	47.17
16	89.14	47.12
17	88.84	48.68
18	87.98	51.12
19	86.36	55.47
20	83.75	63.14
21	80.37	73.13
22	78.18	78.97
23	76.75	82.31
24	75.56	84.86

Waller County

HourID	Temperature(F)	Relative Humidity
1	77.09	81.84
2	76.3	84.08
3	75.63	85.94
4	75.05	87.39
5	74.66	88.28
6	74.31	88.86
7	74.17	88.89
8	75.71	85.96
9	78.74	78.13
10	81.45	70.08
11	83.58	63.3
12	85.62	57.84
13	87.24	53.8
14	88.21	51.32



### **2015 and 2017 VMTmix Houston District**

VMX_RDcode	MOVES_STcode	MOVES_FTcode	VMTmix	VMX_RD_desc	MOVES_STdesc	MOVES_FTdesc
2	11	1	0.00066	Rural_Rest	MC	Gas
2	21	1	0.65657	Rural_Rest	PC	Gas
2	21	2	0.00463	Rural_Rest	PC	Diesel
2	31	1	0.15433	Rural_Rest	PT	Gas
2	31	2	0.00267	Rural_Rest	PT	Diesel
2	32	1	0.03791	Rural_Rest	LCT	Gas
2	32	2	0.00208	Rural_Rest	LCT	Diesel
2	41	2	0.00026	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00052	Rural_Rest	TBus	Diesel
2	43	1	0.00001	Rural_Rest	SBus	Gas
2	43	2	0.00143	Rural_Rest	SBus	Diesel
2	51	1	0.00063	Rural_Rest	RT	Gas
2	51	2	0.00105	Rural_Rest	RT	Diesel
2	52	1	0.0116	Rural_Rest	SUSHT	Gas
2	52	2	0.01942	Rural_Rest	SUSHT	Diesel
2	53	1	0.00224	Rural_Rest	SULHT	Gas
2	53	2	0.00375	Rural_Rest	SULHT	Diesel
2	54	1	0.00049	Rural_Rest	MH	Gas
2	54	2	0.00083	Rural_Rest	MH	Diesel
2	61	1	0.00399	Rural_Rest	CShT	Gas
2	61	2	0.04923	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.0457	Rural_Rest	CLhT	Diesel
3	11	1	0.00062	Rural_Unrest	MC	Gas
3	21	1	0.61239	Rural_Unrest	PC	Gas
3	21	2	0.00432	Rural_Unrest	PC	Diesel
3	31	1	0.21004	Rural_Unrest	PT	Gas
3	31	2	0.00363	Rural_Unrest	PT	Diesel
3	32	1	0.05159	Rural_Unrest	LCT	Gas
3	32	2	0.00283	Rural_Unrest	LCT	Diesel
3	41	2	0.00032	Rural_Unrest	IBus	Diesel
3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00064	Rural_Unrest	TBus	Diesel
3	43	1	0.00002	Rural_Unrest	SBus	Gas
3	43	2	0.00176	Rural_Unrest	SBus	Diesel
3	51	1	0.00084	Rural_Unrest	RT	Gas
3	51	2	0.00141	Rural_Unrest	RT	Diesel
3	52	1	0.01551	Rural_Unrest	SUSHT	Gas
3	52	2	0.02595	Rural_Unrest	SUSHT	Diesel
3	53	1	0.003	Rural_Unrest	SULHT	Gas
3	53	2	0.00502	Rural_Unrest	SULHT	Diesel

3	54	1	0.00066	Rural_Unrest	MH	Gas
3	54	2	0.0011	Rural_Unrest	MH	Diesel
3	61	1	0.00235	Rural_Unrest	CShT	Gas
3	61	2	0.02904	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.02696	Rural_Unrest	CLhT	Diesel
4	11	1	0.00075	Urban_Rest	MC	Gas
4	21	1	0.74447	Urban_Rest	PC	Gas
4	21	2	0.00525	Urban_Rest	PC	Diesel
4	31	1	0.13673	Urban_Rest	PT	Gas
4	31	2	0.00236	Urban_Rest	PT	Diesel
4	32	1	0.03359	Urban_Rest	LCT	Gas
4	32	2	0.00184	Urban_Rest	LCT	Diesel
4	41	2	0.00036	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00073	Urban_Rest	TBus	Diesel
4	43	1	0.00002	Urban_Rest	SBus	Gas
4	43	2	0.002	Urban_Rest	SBus	Diesel
4	51	1	0.00052	Urban_Rest	RT	Gas
4	51	2	0.00087	Urban_Rest	RT	Diesel
4	52	1	0.00963	Urban_Rest	SUSHT	Gas
4	52	2	0.01612	Urban_Rest	SUSHT	Diesel
4	53	1	0.00186	Urban_Rest	SULhT	Gas
4	53	2	0.00312	Urban_Rest	SULhT	Diesel
4	54	1	0.00041	Urban_Rest	MH	Gas
4	54	2	0.00069	Urban_Rest	MH	Diesel
4	61	1	0.00156	Urban_Rest	CShT	Gas
4	61	2	0.01925	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas
4	62	2	0.01787	Urban_Rest	CLhT	Diesel
5	11	1	0.00072	Urban_Unrest	MC	Gas
5	21	1	0.71815	Urban_Unrest	PC	Gas
5	21	2	0.00506	Urban_Unrest	PC	Diesel
5	31	1	0.16474	Urban_Unrest	PT	Gas
5	31	2	0.00285	Urban_Unrest	PT	Diesel
5	32	1	0.04047	Urban_Unrest	LCT	Gas
5	32	2	0.00222	Urban_Unrest	LCT	Diesel
5	41	2	0.00041	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00082	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas
5	43	2	0.00226	Urban_Unrest	SBus	Diesel
5	51	1	0.00062	Urban_Unrest	RT	Gas
5	51	2	0.00104	Urban_Unrest	RT	Diesel

5	52	1	0.01145	Urban_Unrest	SUSHT	Gas
5	52	2	0.01916	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00221	Urban_Unrest	SULHT	Gas
5	53	2	0.0037	Urban_Unrest	SULHT	Diesel
5	54	1	0.00049	Urban_Unrest	MH	Gas
5	54	2	0.00082	Urban_Unrest	MH	Diesel
5	61	1	0.00092	Urban_Unrest	CShT	Gas
5	61	2	0.01134	Urban_Unrest	CShT	Diesel
5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.01053	Urban_Unrest	CLhT	Diesel

**2015 and 2017 VMTmix Beaumont District**

VMX_RDcode	MOVES_STcode	MOVES_FTcode	VMTmix	VMX_RD_desc	MOVES_STdesc	MOVES_FTdesc
2	11	1	0.00055	Rural_Rest	MC	Gas
2	21	1	0.54938	Rural_Rest	PC	Gas
2	21	2	0.00387	Rural_Rest	PC	Diesel
2	31	1	0.15611	Rural_Rest	PT	Gas
2	31	2	0.0027	Rural_Rest	PT	Diesel
2	32	1	0.03831	Rural_Rest	LCT	Gas
2	32	2	0.00214	Rural_Rest	LCT	Diesel
2	41	2	0.00061	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00122	Rural_Rest	TBus	Diesel
2	43	1	0.00003	Rural_Rest	SBus	Gas
2	43	2	0.00336	Rural_Rest	SBus	Diesel
2	51	1	0.00047	Rural_Rest	RT	Gas
2	51	2	0.00167	Rural_Rest	RT	Diesel
2	52	1	0.00984	Rural_Rest	SUSHT	Gas
2	52	2	0.03508	Rural_Rest	SUSHT	Diesel
2	53	1	0.00051	Rural_Rest	SULHT	Gas
2	53	2	0.00181	Rural_Rest	SULHT	Diesel
2	54	1	0.00037	Rural_Rest	MH	Gas
2	54	2	0.00132	Rural_Rest	MH	Diesel
2	61	1	0.00638	Rural_Rest	CShT	Gas
2	61	2	0.06454	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.11973	Rural_Rest	CLhT	Diesel
3	11	1	0.00056	Rural_Unrest	MC	Gas
3	21	1	0.55856	Rural_Unrest	PC	Gas
3	21	2	0.00394	Rural_Unrest	PC	Diesel
3	31	1	0.2159	Rural_Unrest	PT	Gas
3	31	2	0.00373	Rural_Unrest	PT	Diesel
3	32	1	0.05298	Rural_Unrest	LCT	Gas
3	32	2	0.00296	Rural_Unrest	LCT	Diesel
3	41	2	0.00053	Rural_Unrest	IBus	Diesel

3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00107	Rural_Unrest	TBus	Diesel
3	43	1	0.00003	Rural_Unrest	SBus	Gas
3	43	2	0.00293	Rural_Unrest	SBus	Diesel
3	51	1	0.00058	Rural_Unrest	RT	Gas
3	51	2	0.00208	Rural_Unrest	RT	Diesel
3	52	1	0.01222	Rural_Unrest	SUSHT	Gas
3	52	2	0.04357	Rural_Unrest	SUSHT	Diesel
3	53	1	0.00063	Rural_Unrest	SULHT	Gas
3	53	2	0.00224	Rural_Unrest	SULHT	Diesel
3	54	1	0.00046	Rural_Unrest	MH	Gas
3	54	2	0.00163	Rural_Unrest	MH	Diesel
3	61	1	0.00313	Rural_Unrest	CShT	Gas
3	61	2	0.03162	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.05865	Rural_Unrest	CLhT	Diesel
4	11	1	0.00055	Urban_Rest	MC	Gas
4	21	1	0.54835	Urban_Rest	PC	Gas
4	21	2	0.00387	Urban_Rest	PC	Diesel
4	31	1	0.17439	Urban_Rest	PT	Gas
4	31	2	0.00302	Urban_Rest	PT	Diesel
4	32	1	0.04279	Urban_Rest	LCT	Gas
4	32	2	0.00239	Urban_Rest	LCT	Diesel
4	41	2	0.0005	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00099	Urban_Rest	TBus	Diesel
4	43	1	0.00003	Urban_Rest	SBus	Gas
4	43	2	0.00273	Urban_Rest	SBus	Diesel
4	51	1	0.00045	Urban_Rest	RT	Gas
4	51	2	0.0016	Urban_Rest	RT	Diesel
4	52	1	0.00939	Urban_Rest	SUSHT	Gas
4	52	2	0.03348	Urban_Rest	SUSHT	Diesel
4	53	1	0.00048	Urban_Rest	SULHT	Gas
4	53	2	0.00173	Urban_Rest	SULHT	Diesel
4	54	1	0.00035	Urban_Rest	MH	Gas
4	54	2	0.00126	Urban_Rest	MH	Diesel
4	61	1	0.00575	Urban_Rest	CShT	Gas
4	61	2	0.05811	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas
4	62	2	0.10779	Urban_Rest	CLhT	Diesel
5	11	1	0.00063	Urban_Unrest	MC	Gas
5	21	1	0.62675	Urban_Unrest	PC	Gas
5	21	2	0.00442	Urban_Unrest	PC	Diesel
5	31	1	0.22918	Urban_Unrest	PT	Gas

5	31	2	0.00396	Urban_Unrest	PT	Diesel
5	32	1	0.05624	Urban_Unrest	LCT	Gas
5	32	2	0.00315	Urban_Unrest	LCT	Diesel
5	41	2	0.00037	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00073	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas
5	43	2	0.00201	Urban_Unrest	SBus	Diesel
5	51	1	0.00038	Urban_Unrest	RT	Gas
5	51	2	0.00137	Urban_Unrest	RT	Diesel
5	52	1	0.00805	Urban_Unrest	SUSHT	Gas
5	52	2	0.02873	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00042	Urban_Unrest	SULHT	Gas
5	53	2	0.00148	Urban_Unrest	SULHT	Diesel
5	54	1	0.0003	Urban_Unrest	MH	Gas
5	54	2	0.00108	Urban_Unrest	MH	Diesel
5	61	1	0.00103	Urban_Unrest	CShT	Gas
5	61	2	0.0104	Urban_Unrest	CShT	Diesel
5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.0193	Urban_Unrest	CLhT	Diesel

**2025 VMTmix Houston District**

VMX_RDcode	MOVES_STcode	MOVES_FTcode	VMTmix	VMX_RD_desc	MOVES_STdesc	MOVES_FTdesc
2	11	1	0.00066	Rural_Rest	MC	Gas
2	21	1	0.65391	Rural_Rest	PC	Gas
2	21	2	0.00727	Rural_Rest	PC	Diesel
2	31	1	0.15401	Rural_Rest	PT	Gas
2	31	2	0.00298	Rural_Rest	PT	Diesel
2	32	1	0.03787	Rural_Rest	LCT	Gas
2	32	2	0.00212	Rural_Rest	LCT	Diesel
2	41	2	0.00026	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00053	Rural_Rest	TBus	Diesel
2	43	1	0.00001	Rural_Rest	SBus	Gas
2	43	2	0.00142	Rural_Rest	SBus	Diesel
2	51	1	0.00061	Rural_Rest	RT	Gas
2	51	2	0.00103	Rural_Rest	RT	Diesel
2	52	1	0.01167	Rural_Rest	SUSHT	Gas
2	52	2	0.01953	Rural_Rest	SUSHT	Diesel

2	53	1	0.00226	Rural_Rest	SULhT	Gas
2	53	2	0.00378	Rural_Rest	SULhT	Diesel
2	54	1	0.00043	Rural_Rest	MH	Gas
2	54	2	0.00073	Rural_Rest	MH	Diesel
2	61	1	0.00399	Rural_Rest	CShT	Gas
2	61	2	0.04923	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.0457	Rural_Rest	CLhT	Diesel
3	11	1	0.00062	Rural_Unrest	MC	Gas
3	21	1	0.60993	Rural_Unrest	PC	Gas
3	21	2	0.00678	Rural_Unrest	PC	Diesel
3	31	1	0.20962	Rural_Unrest	PT	Gas
3	31	2	0.00406	Rural_Unrest	PT	Diesel
3	32	1	0.05154	Rural_Unrest	LCT	Gas
3	32	2	0.00288	Rural_Unrest	LCT	Diesel
3	41	2	0.00032	Rural_Unrest	IBus	Diesel
3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00065	Rural_Unrest	TBus	Diesel
3	43	1	0.00002	Rural_Unrest	SBus	Gas
3	43	2	0.00175	Rural_Unrest	SBus	Diesel
3	51	1	0.00082	Rural_Unrest	RT	Gas
3	51	2	0.00137	Rural_Unrest	RT	Diesel
3	52	1	0.01559	Rural_Unrest	SUSht	Gas
3	52	2	0.0261	Rural_Unrest	SUSht	Diesel
3	53	1	0.00301	Rural_Unrest	SULhT	Gas
3	53	2	0.00504	Rural_Unrest	SULhT	Diesel
3	54	1	0.00058	Rural_Unrest	MH	Gas
3	54	2	0.00097	Rural_Unrest	MH	Diesel
3	61	1	0.00235	Rural_Unrest	CShT	Gas
3	61	2	0.02904	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.02696	Rural_Unrest	CLhT	Diesel
4	11	1	0.00075	Urban_Rest	MC	Gas
4	21	1	0.74149	Urban_Rest	PC	Gas
4	21	2	0.00825	Urban_Rest	PC	Diesel
4	31	1	0.13645	Urban_Rest	PT	Gas
4	31	2	0.00264	Urban_Rest	PT	Diesel
4	32	1	0.03355	Urban_Rest	LCT	Gas
4	32	2	0.00188	Urban_Rest	LCT	Diesel
4	41	2	0.00036	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00074	Urban_Rest	TBus	Diesel
4	43	1	0.00002	Urban_Rest	SBus	Gas
4	43	2	0.00199	Urban_Rest	SBus	Diesel

4	51	1	0.00051	Urban_Rest	RT	Gas
4	51	2	0.00085	Urban_Rest	RT	Diesel
4	52	1	0.00968	Urban_Rest	SUSHT	Gas
4	52	2	0.0162	Urban_Rest	SUSHT	Diesel
4	53	1	0.00187	Urban_Rest	SULhT	Gas
4	53	2	0.00313	Urban_Rest	SULhT	Diesel
4	54	1	0.00036	Urban_Rest	MH	Gas
4	54	2	0.0006	Urban_Rest	MH	Diesel
4	61	1	0.00156	Urban_Rest	CShT	Gas
4	61	2	0.01925	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas
4	62	2	0.01787	Urban_Rest	CLhT	Diesel
5	11	1	0.00072	Urban_Unrest	MC	Gas
5	21	1	0.71526	Urban_Unrest	PC	Gas
5	21	2	0.00796	Urban_Unrest	PC	Diesel
5	31	1	0.1644	Urban_Unrest	PT	Gas
5	31	2	0.00318	Urban_Unrest	PT	Diesel
5	32	1	0.04042	Urban_Unrest	LCT	Gas
5	32	2	0.00226	Urban_Unrest	LCT	Diesel
5	41	2	0.00041	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00083	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas
5	43	2	0.00225	Urban_Unrest	SBus	Diesel
5	51	1	0.00061	Urban_Unrest	RT	Gas
5	51	2	0.00101	Urban_Unrest	RT	Diesel
5	52	1	0.01151	Urban_Unrest	SUSHT	Gas
5	52	2	0.01927	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00223	Urban_Unrest	SULhT	Gas
5	53	2	0.00372	Urban_Unrest	SULhT	Diesel
5	54	1	0.00043	Urban_Unrest	MH	Gas
5	54	2	0.00072	Urban_Unrest	MH	Diesel
5	61	1	0.00092	Urban_Unrest	CShT	Gas
5	61	2	0.01134	Urban_Unrest	CShT	Diesel
5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.01053	Urban_Unrest	CLhT	Diesel

**2025 VMTmix Beaumont District**

VMX_RDcode	MOVES_STcode	MOVES_FTcode	VMTmix	VMX_RD_desc	MOVES_STdesc	MOVES_FTdesc
2	11	1	0.00055	Rural_Rest	MC	Gas
2	21	1	0.54717	Rural_Rest	PC	Gas
2	21	2	0.00609	Rural_Rest	PC	Diesel
2	31	1	0.15579	Rural_Rest	PT	Gas
2	31	2	0.00302	Rural_Rest	PT	Diesel
2	32	1	0.03831	Rural_Rest	LCT	Gas

2	32	2	0.00214	Rural_Rest	LCT	Diesel
2	41	2	0.00061	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00124	Rural_Rest	TBus	Diesel
2	43	1	0.00003	Rural_Rest	SBus	Gas
2	43	2	0.00334	Rural_Rest	SBus	Diesel
2	51	1	0.00046	Rural_Rest	RT	Gas
2	51	2	0.00163	Rural_Rest	RT	Diesel
2	52	1	0.00989	Rural_Rest	SUSHT	Gas
2	52	2	0.03527	Rural_Rest	SUSHT	Diesel
2	53	1	0.00051	Rural_Rest	SULHT	Gas
2	53	2	0.00182	Rural_Rest	SULHT	Diesel
2	54	1	0.00032	Rural_Rest	MH	Gas
2	54	2	0.00116	Rural_Rest	MH	Diesel
2	61	1	0.00638	Rural_Rest	CShT	Gas
2	61	2	0.06454	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.11973	Rural_Rest	CLhT	Diesel
3	11	1	0.00056	Rural_Unrest	MC	Gas
3	21	1	0.55631	Rural_Unrest	PC	Gas
3	21	2	0.00619	Rural_Unrest	PC	Diesel
3	31	1	0.21546	Rural_Unrest	PT	Gas
3	31	2	0.00417	Rural_Unrest	PT	Diesel
3	32	1	0.05298	Rural_Unrest	LCT	Gas
3	32	2	0.00296	Rural_Unrest	LCT	Diesel
3	41	2	0.00053	Rural_Unrest	IBus	Diesel
3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00108	Rural_Unrest	TBus	Diesel
3	43	1	0.00003	Rural_Unrest	SBus	Gas
3	43	2	0.00292	Rural_Unrest	SBus	Diesel
3	51	1	0.00057	Rural_Unrest	RT	Gas
3	51	2	0.00203	Rural_Unrest	RT	Diesel
3	52	1	0.01228	Rural_Unrest	SUSHT	Gas
3	52	2	0.0438	Rural_Unrest	SUSHT	Diesel
3	53	1	0.00063	Rural_Unrest	SULHT	Gas
3	53	2	0.00226	Rural_Unrest	SULHT	Diesel
3	54	1	0.0004	Rural_Unrest	MH	Gas
3	54	2	0.00144	Rural_Unrest	MH	Diesel
3	61	1	0.00313	Rural_Unrest	CShT	Gas
3	61	2	0.03162	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.05865	Rural_Unrest	CLhT	Diesel
4	11	1	0.00055	Urban_Rest	MC	Gas
4	21	1	0.54617	Urban_Rest	PC	Gas

4	21	2	0.00607	Urban_Rest	PC	Diesel
4	31	1	0.17403	Urban_Rest	PT	Gas
4	31	2	0.00337	Urban_Rest	PT	Diesel
4	32	1	0.04279	Urban_Rest	LCT	Gas
4	32	2	0.00239	Urban_Rest	LCT	Diesel
4	41	2	0.0005	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00101	Urban_Rest	TBus	Diesel
4	43	1	0.00003	Urban_Rest	SBus	Gas
4	43	2	0.00271	Urban_Rest	SBus	Diesel
4	51	1	0.00044	Urban_Rest	RT	Gas
4	51	2	0.00156	Urban_Rest	RT	Diesel
4	52	1	0.00944	Urban_Rest	SUSHT	Gas
4	52	2	0.03366	Urban_Rest	SUSHT	Diesel
4	53	1	0.00049	Urban_Rest	SULhT	Gas
4	53	2	0.00173	Urban_Rest	SULhT	Diesel
4	54	1	0.00031	Urban_Rest	MH	Gas
4	54	2	0.0011	Urban_Rest	MH	Diesel
4	61	1	0.00575	Urban_Rest	CShT	Gas
4	61	2	0.05811	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas
4	62	2	0.10779	Urban_Rest	CLhT	Diesel
5	11	1	0.00063	Urban_Unrest	MC	Gas
5	21	1	0.6242	Urban_Unrest	PC	Gas
5	21	2	0.00694	Urban_Unrest	PC	Diesel
5	31	1	0.22872	Urban_Unrest	PT	Gas
5	31	2	0.00443	Urban_Unrest	PT	Diesel
5	32	1	0.05624	Urban_Unrest	LCT	Gas
5	32	2	0.00315	Urban_Unrest	LCT	Diesel
5	41	2	0.00037	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00074	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas
5	43	2	0.002	Urban_Unrest	SBus	Diesel
5	51	1	0.00038	Urban_Unrest	RT	Gas
5	51	2	0.00134	Urban_Unrest	RT	Diesel
5	52	1	0.0081	Urban_Unrest	SUSHT	Gas
5	52	2	0.02888	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00042	Urban_Unrest	SULhT	Gas
5	53	2	0.00149	Urban_Unrest	SULhT	Diesel
5	54	1	0.00027	Urban_Unrest	MH	Gas
5	54	2	0.00095	Urban_Unrest	MH	Diesel
5	61	1	0.00103	Urban_Unrest	CShT	Gas
5	61	2	0.0104	Urban_Unrest	CShT	Diesel

5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.0193	Urban_Unrest	CLhT	Diesel

**2035 and 2040 VMTmix Houston District**

VMX_RDcode	MOVES_STcode	MOVES_FTcode	VMTmix	VMX_RD_desc	MOVES_STdesc	MOVES_FTdesc
2	11	1	0.00066	Rural_Rest	MC	Gas
2	21	1	0.65325	Rural_Rest	PC	Gas
2	21	2	0.00793	Rural_Rest	PC	Diesel
2	31	1	0.15386	Rural_Rest	PT	Gas
2	31	2	0.00314	Rural_Rest	PT	Diesel
2	32	1	0.03787	Rural_Rest	LCT	Gas
2	32	2	0.00212	Rural_Rest	LCT	Diesel
2	41	2	0.00026	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00054	Rural_Rest	TBus	Diesel
2	43	1	0.00001	Rural_Rest	SBus	Gas
2	43	2	0.00141	Rural_Rest	SBus	Diesel
2	51	1	0.00061	Rural_Rest	RT	Gas
2	51	2	0.00103	Rural_Rest	RT	Diesel
2	52	1	0.01168	Rural_Rest	SUSHT	Gas
2	52	2	0.01955	Rural_Rest	SUSHT	Diesel
2	53	1	0.00226	Rural_Rest	SULhT	Gas
2	53	2	0.00378	Rural_Rest	SULhT	Diesel
2	54	1	0.00042	Rural_Rest	MH	Gas
2	54	2	0.0007	Rural_Rest	MH	Diesel
2	61	1	0.00399	Rural_Rest	CShT	Gas
2	61	2	0.04923	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.0457	Rural_Rest	CLhT	Diesel
3	11	1	0.00062	Rural_Unrest	MC	Gas
3	21	1	0.60932	Rural_Unrest	PC	Gas
3	21	2	0.0074	Rural_Unrest	PC	Diesel
3	31	1	0.2094	Rural_Unrest	PT	Gas
3	31	2	0.00427	Rural_Unrest	PT	Diesel
3	32	1	0.05154	Rural_Unrest	LCT	Gas
3	32	2	0.00288	Rural_Unrest	LCT	Diesel
3	41	2	0.00032	Rural_Unrest	IBus	Diesel
3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00066	Rural_Unrest	TBus	Diesel
3	43	1	0.00002	Rural_Unrest	SBus	Gas
3	43	2	0.00173	Rural_Unrest	SBus	Diesel
3	51	1	0.00082	Rural_Unrest	RT	Gas
3	51	2	0.00137	Rural_Unrest	RT	Diesel
3	52	1	0.01561	Rural_Unrest	SUSHT	Gas

3	52	2	0.02612	Rural_Unrest	SUSHT	Diesel
3	53	1	0.00302	Rural_Unrest	SULhT	Gas
3	53	2	0.00505	Rural_Unrest	SULhT	Diesel
3	54	1	0.00056	Rural_Unrest	MH	Gas
3	54	2	0.00094	Rural_Unrest	MH	Diesel
3	61	1	0.00235	Rural_Unrest	CShT	Gas
3	61	2	0.02904	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.02696	Rural_Unrest	CLhT	Diesel
4	11	1	0.00075	Urban_Rest	MC	Gas
4	21	1	0.74072	Urban_Rest	PC	Gas
4	21	2	0.009	Urban_Rest	PC	Diesel
4	31	1	0.13631	Urban_Rest	PT	Gas
4	31	2	0.00278	Urban_Rest	PT	Diesel
4	32	1	0.03355	Urban_Rest	LCT	Gas
4	32	2	0.00188	Urban_Rest	LCT	Diesel
4	41	2	0.00036	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00076	Urban_Rest	TBus	Diesel
4	43	1	0.00002	Urban_Rest	SBus	Gas
4	43	2	0.00198	Urban_Rest	SBus	Diesel
4	51	1	0.00051	Urban_Rest	RT	Gas
4	51	2	0.00085	Urban_Rest	RT	Diesel
4	52	1	0.00969	Urban_Rest	SUSHT	Gas
4	52	2	0.01622	Urban_Rest	SUSHT	Diesel
4	53	1	0.00187	Urban_Rest	SULhT	Gas
4	53	2	0.00314	Urban_Rest	SULhT	Diesel
4	54	1	0.00035	Urban_Rest	MH	Gas
4	54	2	0.00058	Urban_Rest	MH	Diesel
4	61	1	0.00156	Urban_Rest	CShT	Gas
4	61	2	0.01925	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas
4	62	2	0.01787	Urban_Rest	CLhT	Diesel
5	11	1	0.00072	Urban_Unrest	MC	Gas
5	21	1	0.71452	Urban_Unrest	PC	Gas
5	21	2	0.00868	Urban_Unrest	PC	Diesel
5	31	1	0.16424	Urban_Unrest	PT	Gas
5	31	2	0.00335	Urban_Unrest	PT	Diesel
5	32	1	0.04042	Urban_Unrest	LCT	Gas
5	32	2	0.00226	Urban_Unrest	LCT	Diesel
5	41	2	0.00041	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00086	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas

5	43	2	0.00224	Urban_Unrest	SBus	Diesel
5	51	1	0.00061	Urban_Unrest	RT	Gas
5	51	2	0.00101	Urban_Unrest	RT	Diesel
5	52	1	0.01152	Urban_Unrest	SUSHT	Gas
5	52	2	0.01929	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00223	Urban_Unrest	SULHT	Gas
5	53	2	0.00373	Urban_Unrest	SULHT	Diesel
5	54	1	0.00041	Urban_Unrest	MH	Gas
5	54	2	0.00069	Urban_Unrest	MH	Diesel
5	61	1	0.00092	Urban_Unrest	CShT	Gas
5	61	2	0.01134	Urban_Unrest	CShT	Diesel
5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.01053	Urban_Unrest	CLhT	Diesel

### **2035 and 2040 VMTmix Beaumont District**

VMX\_RDcode MOVES\_STcode MOVES\_FTcode VMTmix VMX\_RD\_desc MOVES\_STdesc MOVES\_FTdesc

2	11	1	0.00055	Rural_Rest	MC	Gas
2	21	1	0.54662	Rural_Rest	PC	Gas
2	21	2	0.00664	Rural_Rest	PC	Diesel
2	31	1	0.15563	Rural_Rest	PT	Gas
2	31	2	0.00318	Rural_Rest	PT	Diesel
2	32	1	0.03831	Rural_Rest	LCT	Gas
2	32	2	0.00214	Rural_Rest	LCT	Diesel
2	41	2	0.00061	Rural_Rest	IBus	Diesel
2	42	1	0	Rural_Rest	TBus	Gas
2	42	2	0.00127	Rural_Rest	TBus	Diesel
2	43	1	0.00003	Rural_Rest	SBus	Gas
2	43	2	0.00332	Rural_Rest	SBus	Diesel
2	51	1	0.00046	Rural_Rest	RT	Gas
2	51	2	0.00163	Rural_Rest	RT	Diesel
2	52	1	0.0099	Rural_Rest	SUSHT	Gas
2	52	2	0.0353	Rural_Rest	SUSHT	Diesel
2	53	1	0.00051	Rural_Rest	SULHT	Gas
2	53	2	0.00182	Rural_Rest	SULHT	Diesel
2	54	1	0.00031	Rural_Rest	MH	Gas
2	54	2	0.00112	Rural_Rest	MH	Diesel
2	61	1	0.00638	Rural_Rest	CShT	Gas
2	61	2	0.06454	Rural_Rest	CShT	Diesel
2	62	1	0	Rural_Rest	CLhT	Gas
2	62	2	0.11973	Rural_Rest	CLhT	Diesel
3	11	1	0.00056	Rural_Unrest	MC	Gas
3	21	1	0.55574	Rural_Unrest	PC	Gas
3	21	2	0.00675	Rural_Unrest	PC	Diesel

3	31	1	0.21524	Rural_Unrest	PT	Gas
3	31	2	0.00439	Rural_Unrest	PT	Diesel
3	32	1	0.05298	Rural_Unrest	LCT	Gas
3	32	2	0.00296	Rural_Unrest	LCT	Diesel
3	41	2	0.00053	Rural_Unrest	IBus	Diesel
3	42	1	0	Rural_Unrest	TBus	Gas
3	42	2	0.00111	Rural_Unrest	TBus	Diesel
3	43	1	0.00003	Rural_Unrest	SBus	Gas
3	43	2	0.00289	Rural_Unrest	SBus	Diesel
3	51	1	0.00057	Rural_Unrest	RT	Gas
3	51	2	0.00203	Rural_Unrest	RT	Diesel
3	52	1	0.0123	Rural_Unrest	SUSHT	Gas
3	52	2	0.04385	Rural_Unrest	SUSHT	Diesel
3	53	1	0.00063	Rural_Unrest	SULHT	Gas
3	53	2	0.00226	Rural_Unrest	SULHT	Diesel
3	54	1	0.00039	Rural_Unrest	MH	Gas
3	54	2	0.00139	Rural_Unrest	MH	Diesel
3	61	1	0.00313	Rural_Unrest	CShT	Gas
3	61	2	0.03162	Rural_Unrest	CShT	Diesel
3	62	1	0	Rural_Unrest	CLhT	Gas
3	62	2	0.05865	Rural_Unrest	CLhT	Diesel
4	11	1	0.00055	Urban_Rest	MC	Gas
4	21	1	0.5456	Urban_Rest	PC	Gas
4	21	2	0.00663	Urban_Rest	PC	Diesel
4	31	1	0.17385	Urban_Rest	PT	Gas
4	31	2	0.00355	Urban_Rest	PT	Diesel
4	32	1	0.04279	Urban_Rest	LCT	Gas
4	32	2	0.00239	Urban_Rest	LCT	Diesel
4	41	2	0.00049	Urban_Rest	IBus	Diesel
4	42	1	0	Urban_Rest	TBus	Gas
4	42	2	0.00103	Urban_Rest	TBus	Diesel
4	43	1	0.00003	Urban_Rest	SBus	Gas
4	43	2	0.00269	Urban_Rest	SBus	Diesel
4	51	1	0.00044	Urban_Rest	RT	Gas
4	51	2	0.00156	Urban_Rest	RT	Diesel
4	52	1	0.00945	Urban_Rest	SUSHT	Gas
4	52	2	0.0337	Urban_Rest	SUSHT	Diesel
4	53	1	0.00049	Urban_Rest	SULHT	Gas
4	53	2	0.00174	Urban_Rest	SULHT	Diesel
4	54	1	0.0003	Urban_Rest	MH	Gas
4	54	2	0.00107	Urban_Rest	MH	Diesel
4	61	1	0.00575	Urban_Rest	CShT	Gas
4	61	2	0.05811	Urban_Rest	CShT	Diesel
4	62	1	0	Urban_Rest	CLhT	Gas

4	62	2	0.10779	Urban_Rest	CLhT	Diesel
5	11	1	0.00063	Urban_Unrest	MC	Gas
5	21	1	0.6236	Urban_Unrest	PC	Gas
5	21	2	0.00757	Urban_Unrest	PC	Diesel
5	31	1	0.22848	Urban_Unrest	PT	Gas
5	31	2	0.00466	Urban_Unrest	PT	Diesel
5	32	1	0.05624	Urban_Unrest	LCT	Gas
5	32	2	0.00315	Urban_Unrest	LCT	Diesel
5	41	2	0.00036	Urban_Unrest	IBus	Diesel
5	42	1	0	Urban_Unrest	TBus	Gas
5	42	2	0.00076	Urban_Unrest	TBus	Diesel
5	43	1	0.00002	Urban_Unrest	SBus	Gas
5	43	2	0.00198	Urban_Unrest	SBus	Diesel
5	51	1	0.00038	Urban_Unrest	RT	Gas
5	51	2	0.00134	Urban_Unrest	RT	Diesel
5	52	1	0.00811	Urban_Unrest	SUSHT	Gas
5	52	2	0.02891	Urban_Unrest	SUSHT	Diesel
5	53	1	0.00042	Urban_Unrest	SULhT	Gas
5	53	2	0.00149	Urban_Unrest	SULhT	Diesel
5	54	1	0.00026	Urban_Unrest	MH	Gas
5	54	2	0.00091	Urban_Unrest	MH	Diesel
5	61	1	0.00103	Urban_Unrest	CShT	Gas
5	61	2	0.0104	Urban_Unrest	CShT	Diesel
5	62	1	0	Urban_Unrest	CLhT	Gas
5	62	2	0.0193	Urban_Unrest	CLhT	Diesel

**TxLED NO<sub>x</sub> Reduction and NO<sub>x</sub> Adjustment Factors by Source Use Type**

Source Use Type	2015 Reduction	2025 Reduction	2035 Reduction	2040 Reduction	2015 Factor	2025 Factor	2035 Factor	2040 Factor
Passenger Car	5.47%	4.84%	4.80%	4.80%	0.9453	0.9516	0.952	0.952
Passenger Truck	5.19%	4.90%	4.80%	4.80%	0.9481	0.9510	0.952	0.952
Light Commercial Truck	5.50%	5.09%	4.80%	4.80%	0.9450	0.9491	0.952	0.952
Intercity Bus	5.77%	5.45%	4.80%	4.80%	0.9423	0.9455	0.952	0.952
Transit Bus	5.72%	5.33%	4.80%	4.80%	0.9428	0.9467	0.952	0.952
School Bus	5.75%	5.37%	4.80%	4.80%	0.9425	0.9463	0.952	0.952
Refuse Truck	5.53%	4.96%	4.80%	4.80%	0.9447	0.9504	0.952	0.952
Single Unit Short-Haul Truck	4.97%	4.82%	4.80%	4.80%	0.9503	0.9518	0.952	0.952
Single Unit Long-Haul Truck	4.93%	4.82%	4.80%	4.80%	0.9507	0.9518	0.952	0.952

<b>Motor Home</b>	5.48%	5.19%	4.80%	4.80%	0.9452	0.9481	0.952	0.952
<b>Combination Short-Haul Truck</b>	5.32%	4.93%	4.80%	4.80%	0.9468	0.9507	0.952	0.952
<b>Combination Long-Haul Truck</b>	5.40%	4.91%	4.80%	4.80%	0.9460	0.9509	0.952	0.952

**2015 I/M Program Urban Counties (Brazoria, Fort Bend, Galveston, Harris and Montgomery)**

polproc	essid	stateid	countyid	yearid	sourcety	fueltype	improgr	inspectfr	teststan	begmod	endmod	useimyn	compliancefactor
					peid	id	amid	eq	dardsid	elyearid	elyearid		r
	113	48	48039	2015	52	1	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	31	1	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	21	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	52	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	31	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	21	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	21	5	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	31	5	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	52	5	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	21	5	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	31	5	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	52	5	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	32	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	32	1	7	1	41	1978	2000	N	93.12
	112	48	48039	2015	32	5	7	1	41	1978	2000	N	93.12
	113	48	48039	2015	32	5	7	1	41	1978	2000	N	93.12
	101	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	102	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	201	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	202	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	301	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	302	48	48039	2015	21	1	30	1	23	1991	1995	Y	93.12
	112	48	48039	2015	21	1	51	1	41	1991	1995	Y	93.12
	101	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12
	102	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12
	201	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12
	202	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12

301	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12
302	48	48039	2015	21	1	40	1	51	1996	2013	Y	93.12
112	48	48039	2015	21	1	60	1	45	1996	2013	Y	93.12
101	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
102	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
201	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
202	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
301	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
302	48	48039	2015	31	1	30	1	23	1991	1995	Y	91.26
112	48	48039	2015	31	1	51	1	41	1991	1995	Y	91.26
101	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
102	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
201	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
202	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
301	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
302	48	48039	2015	31	1	40	1	51	1996	2013	Y	91.26
112	48	48039	2015	31	1	60	1	45	1996	2013	Y	91.26
101	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
102	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
201	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
202	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
301	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
302	48	48039	2015	32	1	30	1	23	1991	1995	Y	86.6
112	48	48039	2015	32	1	51	1	41	1993	1995	Y	86.6
101	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
102	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
201	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
202	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
301	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
302	48	48039	2015	32	1	40	1	51	1996	2013	Y	86.6
112	48	48039	2015	32	1	60	1	45	1996	2013	Y	86.6

**2017 I/M Program Urban Counties (Brazoria, Fort Bend, Galveston, Harris and Montgomery)**

polproce ssid	statei d	count yid	yeari d	sourcety peid	fueltyp eid	improgra mid	inspectf req	teststanda rdsid	begmodely earid	endmodely earid	useim yn	compliancef actor
113	48	48039	2017	52	1	7	1	41	1978	2000	N	93.12
113	48	48039	2017	31	1	7	1	41	1978	2000	N	93.12
113	48	48039	2017	21	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	52	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	31	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	21	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	21	5	7	1	41	1978	2000	N	93.12
112	48	48039	2017	31	5	7	1	41	1978	2000	N	93.12
112	48	48039	2017	52	5	7	1	41	1978	2000	N	93.12
113	48	48039	2017	21	5	7	1	41	1978	2000	N	93.12
113	48	48039	2017	31	5	7	1	41	1978	2000	N	93.12
113	48	48039	2017	52	5	7	1	41	1978	2000	N	93.12
113	48	48039	2017	32	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	32	1	7	1	41	1978	2000	N	93.12
112	48	48039	2017	32	5	7	1	41	1978	2000	N	93.12
113	48	48039	2017	32	5	7	1	41	1978	2000	N	93.12
101	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
102	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
201	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
202	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
301	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
302	48	48039	2017	21	1	30	1	23	1993	1995	Y	93.12
112	48	48039	2017	21	1	51	1	41	1993	1995	Y	93.12
101	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12
102	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12
201	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12
202	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12
301	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12

302	48	48039	2017	21	1	40	1	51	1996	2015	Y	93.12
112	48	48039	2017	21	1	60	1	45	1996	2015	Y	93.12
101	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
102	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
201	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
202	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
301	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
302	48	48039	2017	31	1	30	1	23	1993	1995	Y	91.26
112	48	48039	2017	31	1	51	1	41	1993	1995	Y	91.26
101	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
102	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
201	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
202	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
301	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
302	48	48039	2017	31	1	40	1	51	1996	2015	Y	91.26
112	48	48039	2017	31	1	60	1	45	1996	2015	Y	91.26
101	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
102	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
201	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
202	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
301	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
302	48	48039	2017	32	1	30	1	23	1993	1995	Y	86.6
112	48	48039	2017	32	1	51	1	41	1993	1995	Y	86.6
101	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
102	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
201	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
202	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
301	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
302	48	48039	2017	32	1	40	1	51	1996	2015	Y	86.6
112	48	48039	2017	32	1	60	1	45	1996	2015	Y	86.6

**2025 I/M Program Urban Counties (Brazoria, Fort Bend, Galveston, Harris and Montgomery)**

polproce ssid	statei d	count yid	yeari d	sourcety peid	fueltyp eid	improgra mid	inspectf req	teststanda rdsid	begmodely earid	endmodely earid	useim yn	compliancef actor
101	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
102	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
201	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
202	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
301	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
302	48	48039	2025	21	1	40	1	51	2001	2023	Y	93.12
112	48	48039	2025	21	1	60	1	45	2001	2023	Y	93.12
101	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
102	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
201	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
202	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
301	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
302	48	48039	2025	31	1	40	1	51	2001	2023	Y	91.26
112	48	48039	2025	31	1	60	1	45	2001	2023	Y	91.26
101	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
102	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
201	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
202	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
301	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
302	48	48039	2025	32	1	40	1	51	2001	2023	Y	86.6
112	48	48039	2025	32	1	60	1	45	2001	2023	Y	86.6

**2035 I/M Program Urban Counties (Brazoria, Fort Bend, Galveston, Harris and Montgomery)**

polproce ssid	statei d	count yid	yeari d	sourcety peid	fueltyp eid	improgra mid	inspectf req	teststanda rdsid	begmodely earid	endmodely earid	useim yn	compliancef actor
101	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
102	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
201	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
202	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
301	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
302	48	48039	2035	21	1	41	1	51	2011	2033	Y	93.12
112	48	48039	2035	21	1	61	1	45	2011	2033	Y	93.12
101	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
102	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
201	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
202	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
301	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
302	48	48039	2035	31	1	41	1	51	2011	2033	Y	91.26
112	48	48039	2035	31	1	61	1	45	2011	2033	Y	91.26
101	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
102	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
201	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
202	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
301	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
302	48	48039	2035	32	1	41	1	51	2011	2033	Y	86.6
112	48	48039	2035	32	1	61	1	45	2011	2033	Y	86.6

**2040 I/M Program Urban Counties (Brazoria, Fort Bend, Galveston, Harris and Montgomery)**

polproce ssid	statei d	count yid	yeari d	sourcety peid	fueltyp eid	improgra mid	inspectf req	teststanda rdsid	begmodely earid	endmodely earid	useim yn	compliancef actor
101	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
102	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
201	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
202	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
301	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
302	48	48039	2040	21	1	41	1	51	2016	2038	Y	93.12
112	48	48039	2040	21	1	61	1	45	2016	2038	Y	93.12
101	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
102	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
201	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
202	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
301	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
302	48	48039	2040	31	1	41	1	51	2016	2038	Y	91.26
112	48	48039	2040	31	1	61	1	45	2016	2038	Y	91.26
101	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
102	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
201	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
202	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
301	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
302	48	48039	2040	32	1	41	1	51	2016	2038	Y	86.6
112	48	48039	2040	32	1	61	1	45	2016	2038	Y	86.6

### Vehicle Population – Brazoria County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	7405.33592	1	1
21	159648.9991	1	1
31	66041.8449	1	1
32	22010.74581	1	1
41	340.4833135	1	1
42	101.0809837	1	1
43	377.7236759	1	1
51	111.7210872	1	1
52	7482.652818	1	1
53	1300.752658	1	1
54	438.9042713	1	1
61	1136.87855	1	1
62	980.2281632	1	1

### Vehicle Population – Chambers County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	1074.66192	1	1
21	17583.22632	1	1
31	11284.48006	1	1
32	3761.913303	1	1
41	62.60680444	1	1
42	18.61283375	1	1
43	69.71352278	1	1
51	21.65857018	1	1
52	1604.426269	1	1
53	73.77450469	1	1
54	83.92695946	1	1

61	297.39072	1	1
62	497.7567217	1	1

**Vehicle Population – Fort Bend County**

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	9356.92544	1	1
21	390697.9302	1	1
31	85224.44704	1	1
32	28404.01632	1	1
41	294.7284677	1	1
42	87.49751385	1	1
43	326.9643938	1	1
51	96.70777846	1	1
52	6477.118591	1	1
53	1125.954849	1	1
54	379.9234154	1	1
61	1610.54336	1	1
62	1388.626744	1	1

**Vehicle Population – Galveston County**

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	6942.0417	1	1
21	130404.2869	1	1
31	48883.49222	1	1
32	16292.12695	1	1
41	185.4939996	1	1
42	55.06853114	1	1
43	205.7824058	1	1
51	60.86521862	1	1

52	4076.520476	1	1
53	708.6450454	1	1
54	239.1133589	1	1
61	535.97318	1	1
62	462.1214867	1	1

### Vehicle Population – Harris County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	44767.79771	1	1
21	1938546.028	1	1
31	558339.6839	1	1
32	186086.153	1	1
41	2269.613902	1	1
42	673.7916271	1	1
43	2517.852922	1	1
51	744.7170616	1	1
52	49878.31177	1	1
53	8670.63436	1	1
54	2925.67417	1	1
61	16172.24827	1	1
62	13943.87573	1	1

### Vehicle Population – Liberty County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	1651.499	1	1
21	28254.438	1	1
31	18848.03713	1	1
32	6283.38047	1	1
41	100.5593859	1	1

42	29.89603364	1	1
43	111.9742351	1	1
51	34.78811187	1	1
52	2577.0381	1	1
53	118.4970061	1	1
54	134.8039335	1	1
61	458.1248	1	1
62	766.7848499	1	1

### Vehicle Population – Montgomery County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	11657.16162	1	1
21	244753.5353	1	1
31	91887.35599	1	1
32	30624.66287	1	1
41	476.3283127	1	1
42	141.4099678	1	1
43	528.4267219	1	1
51	156.2952276	1	1
52	10468.05893	1	1
53	1819.723007	1	1
54	614.0169656	1	1
61	1715.66667	1	1
62	1479.265123	1	1

### Vehicle Population – Waller County

sourceTypeID	sourceTypePopulation	salesGrowthFactor	migrationrate
11	798.29655	1	1
21	15399.45616	1	1

31	9205.099915	1	1
32	3067.920265	1	1
41	63.24618038	1	1
42	18.7762098	1	1
43	70.16373136	1	1
51	20.75265294	1	1
52	1389.933636	1	1
53	241.6201735	1	1
54	81.5282794	1	1
61	246.25419	1	1
62	212.3228487	1	1