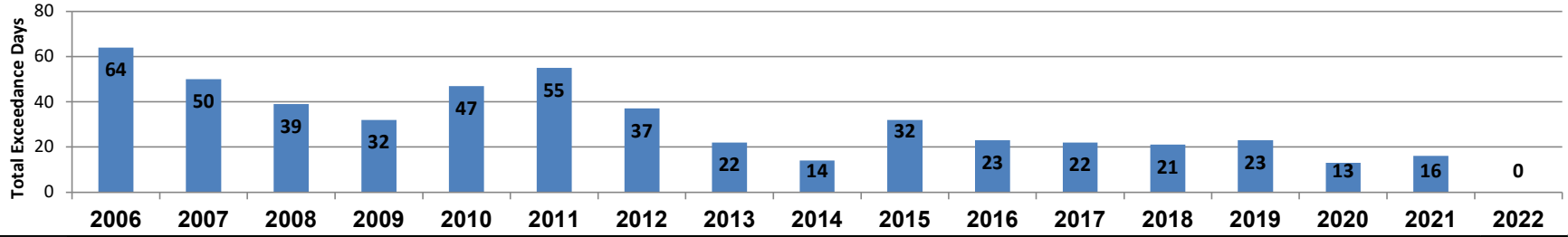


# OZONE 8-hr Exceedance Days (75 ppb)

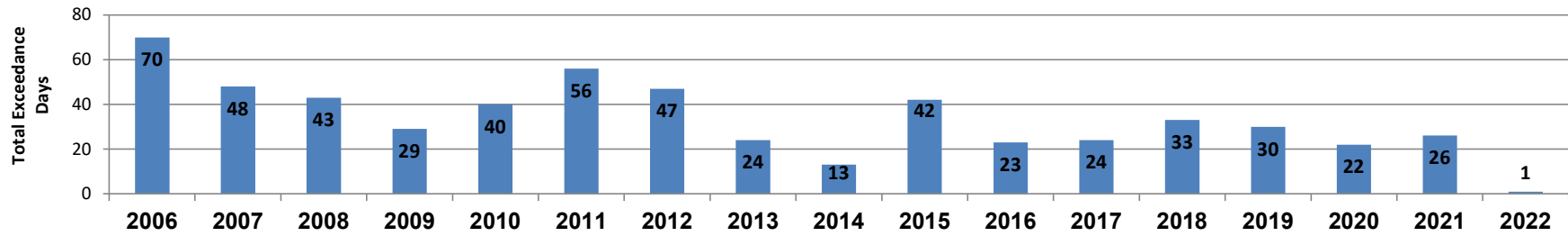


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	2	1	1	2	0	1	4	0	0	0	0	0	0	2	0	0	0
April	7	6	4	1	3	8	7	1	0	1	7	2	4	2	0	1	
May	6	10	3	7	13	5	7	4	5	2	4	7	3	2	1	1	
June	20	5	3	7	3	6	7	2	1	6	1	2	1	8	3	6	
July	4	3	3	2	2	1	0	4	1	1	2	0	4	2	0	2	
August	7	5	6	7	11	10	4	6	6	15	2	1	6	2	5	0	
September	12	8	11	5	7	17	7	2	0	3	3	7	3	4	0	3	
October	6	7	7	0	8	7	1	3	1	4	4	3	0	1	4	3	
November	0	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

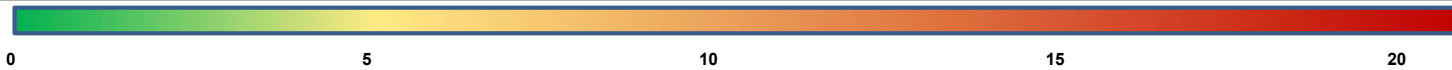
Houston Ozone Season



# OZONE 8-hr Exceedance Days (70 ppb)



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
March	1	1	2	1	0	1	5	0	0	0	0	0	0	3	0	0	0
April	9	7	5	1	2	8	9	1	0	1	7	2	6	5	2	3	
May	8	11	5	7	11	6	8	4	2	3	4	7	8	2	3	1	
June	19	3	4	7	0	7	8	2	1	9	1	2	1	9	3	6	
July	5	3	5	2	3	1	0	6	2	2	2	0	7	2	0	2	
August	8	6	5	6	9	10	6	6	6	15	2	1	7	4	9	2	
September	12	8	9	4	6	15	8	2	1	5	3	8	4	3	0	8	
October	8	7	7	0	9	8	3	3	1	7	4	4	0	2	5	4	
November	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



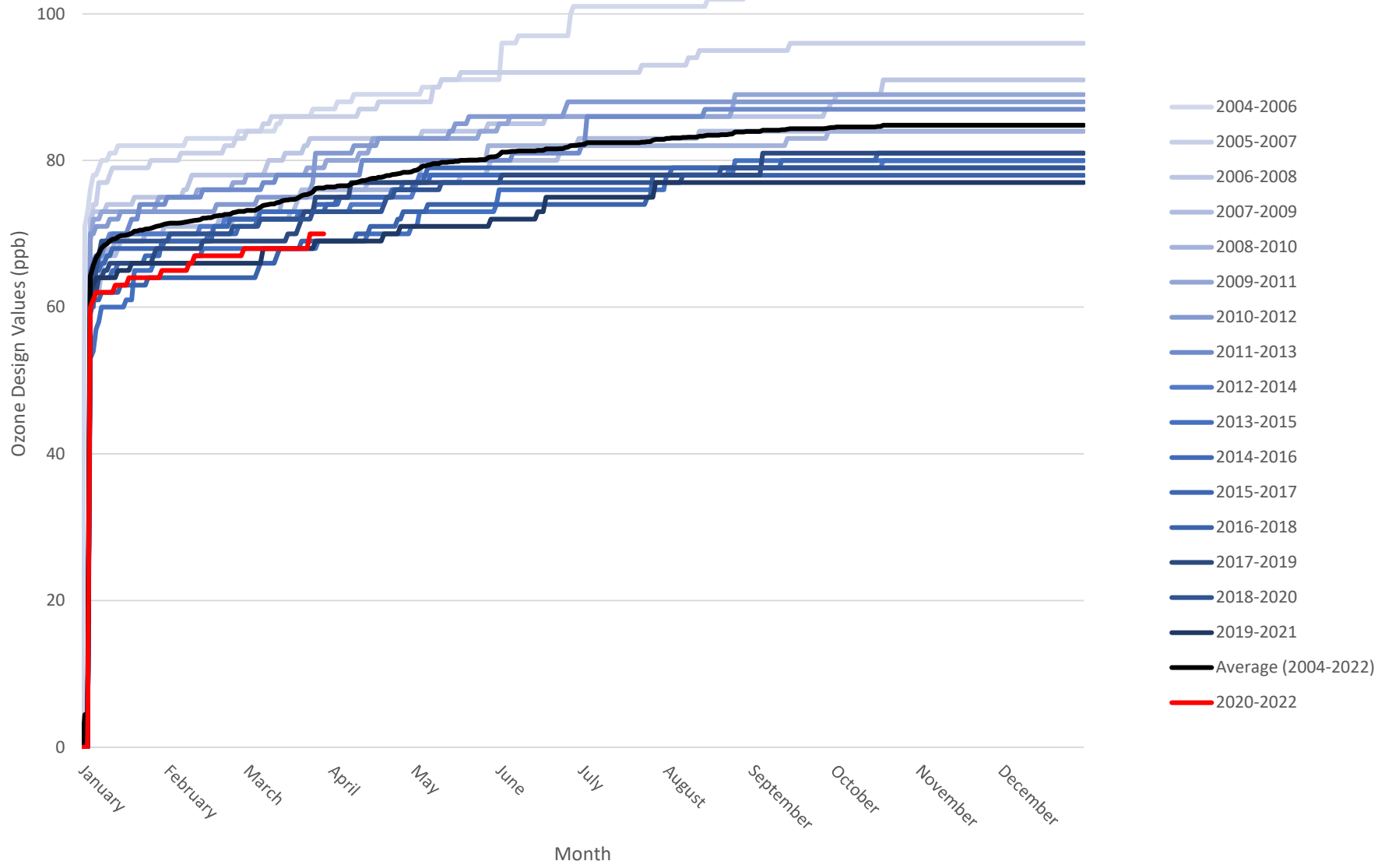
	Values above the 1997 8-hour ozone NAAQS (84 ppb)
	Values above the 2008 8-hour ozone NAAQS (75 ppb)
	Values above the 2015 8-hour ozone NAAQS (70 ppb)

Monitor	Fourth Highest Value																Design Value (3-Year Average)																						
	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020	2019-2021	2020-2022			
Baytown Garth C1017								71	61	67	77	65	73	81	69	66	71	60																					
Channelview C15/AH115	85	85	87	78	76	80	79	81	77	61	64	81	61	65	79	70	62	68	52	85	83	80	78	78	80	79	73	67	68	68	69	68	71	70	66	60			
Clinton C403/C304/AH113	92	88	76	74	71	78	79	80	81	67	58	84	65	77	68	73	71	70	51	85	79	73	74	76	79	80	76	68	69	69	75	70	72	70	71	64			
Conroe Relocated C78/A321	80	84	93	76	73	65	77	80	82	75	72	73	71	79	75	74	75	70	65	85	84	80	71	71	74	79	79	76	73	72	74	75	76	74	73	70			
Galveston 99th St. C1034/A320/X183				87	69	76	80	79	81	64	71	84	74	73	76	79	68	69	61				77	75	78	80	74	72	73	76	77	74	76	74	72	66			
Hou.DeerPrk2	97	92	101	86	76	82	85	83	85	69	63	77	62	66	85	76	73	74	55	96	93	87	81	81	83	84	79	72	69	67	68	71	75	78	74	67			
Houston Aldine C8/AF108/X150	96	87	81	86	83	80	87	83	75	74	68	95	74	74	88	81	68	75	53	88	84	83	83	83	83	81	77	72	79	79	81	78	81	79	74	65			
Houston Bayland Park C53/A146	104	100	106	84	83	86	78	87	77	81	67	80	78	74	77	80	73	78	60	103	96	91	84	82	83	80	81	75	76	75	77	76	77	76	77	70			
Houston Croquet C409	95	96	92	74	76	80	77	85	79	79	67	79	71	67	70	75	66	83	56	94	87	80	76	77	80	80	81	75	75	72	72	69	70	70	74	68			
Houston East C1/G316	91	68	91	76	73	79	76	88	83	69	66	88	67	70	82	70	67	76	55	83	78	80	76	76	81	82	80	72	74	73	75	73	74	73	71	66			
Houston Harvard Street C417																		79	57																				
Houston Monroe C406	97	102	99	72	72	71	75	76	85	74	65	73	57	59	68	71	62	68	49	99	91	81	71	72	74	78	78	74	70	65	63	61	66	67	67	59			
Houston North Wayside C405	84	71	79	78	70	69	76	80	75	70	62	78	62	68	66	67	61	65	48	78	76	75	72	71	75	77	75	69	70	67	69	65	67	64	64	58			
Houston Regional Office C81	78	88	87	68	68	80	71	80	75											84	81	74	72	73	77	75													
Houston Texas Avenue C411	93	75	83	76	71	79	75	79	82	72	58	85	70							83	78	76	75	75	77	78	77	70	71	71									
Houston Westhollow C410	97	90	103	84	82	71	72	81	81	77	70	79	79	71	69	73	66	71	51	96	92	89	79	75	74	78	79	76	75	76	76	73	71	69	70	62			
Lake Jackson C1016	81	78	80	72	76	76	72	73	71	67	61	65	66	65	67	63	65	69	57	79	76	76	74	74	73	72	70	66	64	64	65	66	65	65	65	63			
Lang C408	83	72	86	73	71	81	77	78	81	79	64	91	69	70	74	75	69	71	54	80	77	76	75	76	78	78	79	74	78	74	76	71	73	72	71	64			
Lynchburg Ferry C1015/A165	93	88	87	71	65	73	83	73	75	64	59	79	59	46	74	68	61	65	45	89	82	74	69	73	76	77	70	66	67	65	61	59	62	67	64	57			
Manvel Croix Park C84	103	93	94	86	75	91	88	90	87	84	71	86	69	77	71	79	70	77	55	96	91	85	84	84	89	88	87	80	80	75	77	72	75	73	75	67			
Northwest Harris Co. C26/A110/X154	90	94	90	90	76	86	82	86	82	80	63	78	67	74	77	73	71	69	59	91	91	85	84	81	84	83	82	75	73	69	73	72	74	73	71	66			
Park Place C416			106	85	76	73	84	79	77	79	66	87	65	72	77	72	70	78	56			89	78	77	78	80	78	74	77	72	74	71	73	73	68				
Seabrook Friendship Park C45	97	88	83	85	71	79	77	79	86	67	65	83	64	67	82	64	64	60	47	89	85	79	78	75	78	80	77	72	71	70	71	71	70	62	57				

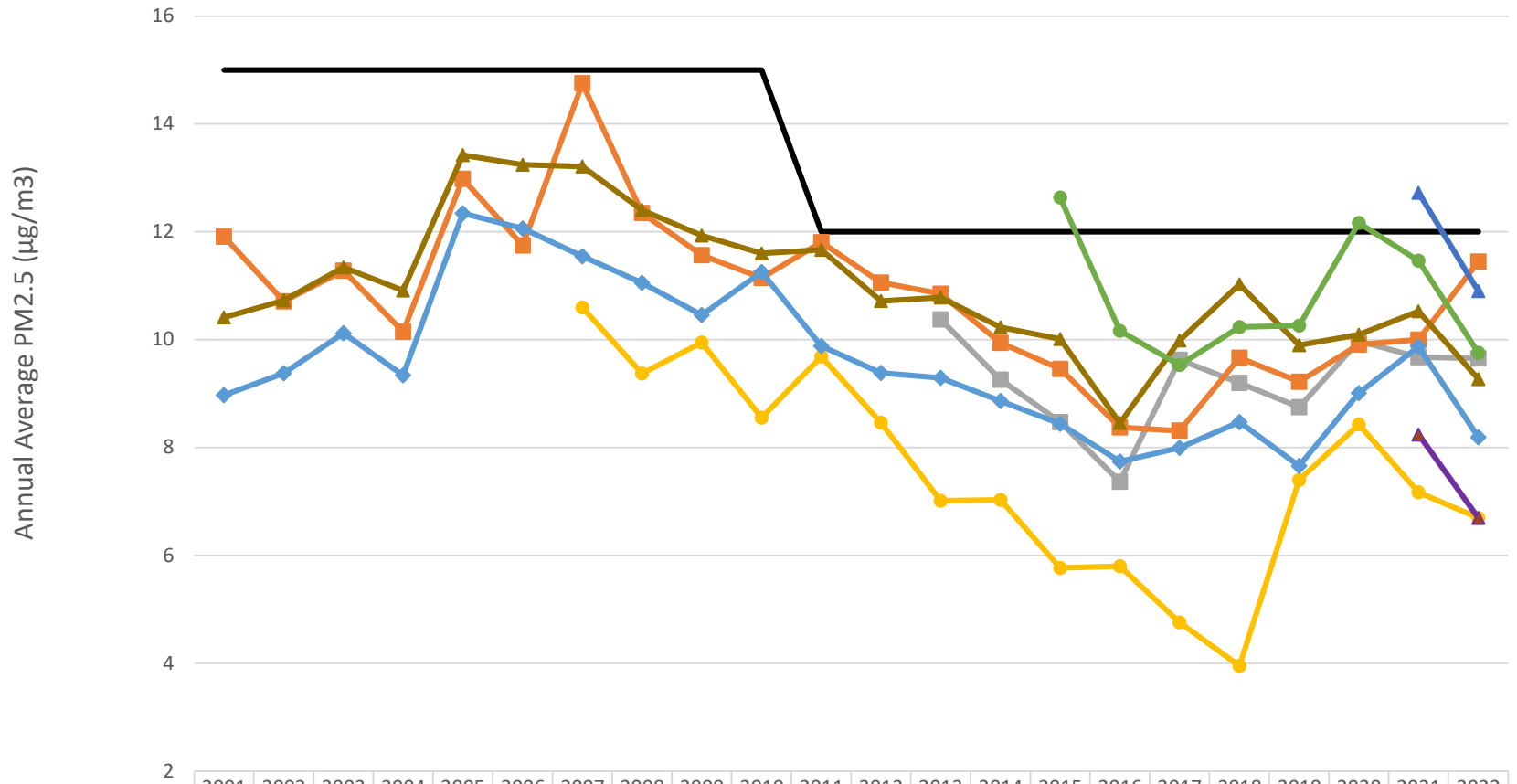
Data Source: TCEQ  
Design Source: Houston Regional Monitoring

\*Values as of 1/25/2022  
\*\*Unofficial until certified by TCEQ

### Houston Day-by-Day Design Values (2004-2021)

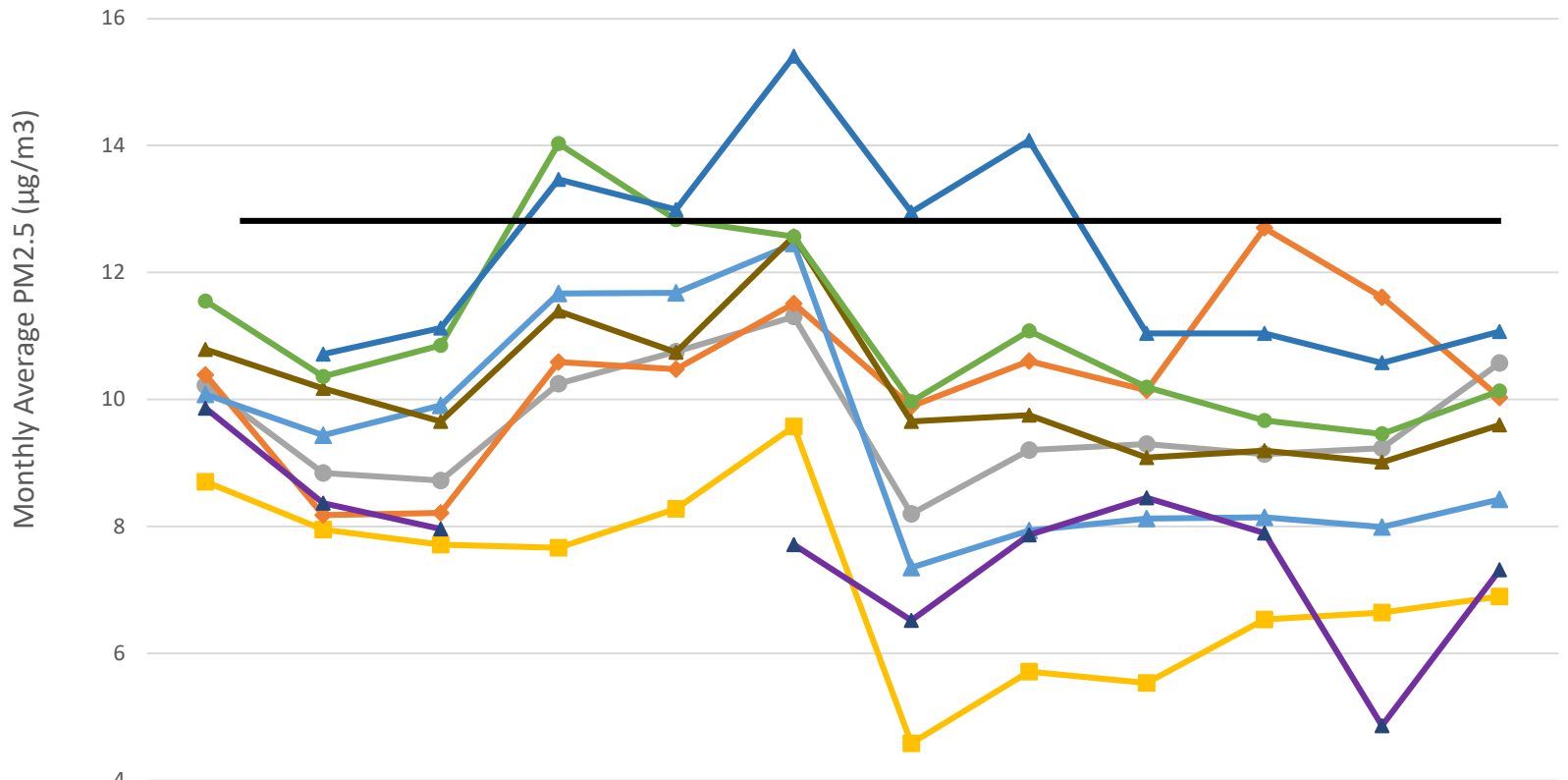


### Annual Average PM2.5 (Local Conditions)



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Annual Standard</b>	15	15	15	15	15	15	15	15	15	15	12	12	12	12	12	12	12	12	12	12	12	12
<b>Baytown</b>													10.37	9.26	8.47	7.37	9.62	9.20	8.75	9.97	9.67	9.65
<b>Galveston 99th St.</b>							10.60	9.37	9.95	8.55	9.68	8.46	7.01	7.03	5.76	5.80	4.76	3.95	7.40	8.43	7.17	6.69
<b>Houston Aldine</b>	11.91	10.71	11.28	10.15	12.98	11.75	14.75	12.35	11.57	11.14	11.80	11.06	10.85	9.94	9.46	8.37	8.31	9.66	9.22	9.91	10.00	11.45
<b>Houston Deer Park 2</b>	8.97	9.38	10.12	9.34	12.34	12.06	11.54	11.05	10.46	11.25	9.88	9.38	9.29	8.86	8.44	7.74	7.99	8.47	7.66	9.01	9.87	8.19
<b>Houston East</b>	10.41	10.73	11.34	10.91	13.42	13.24	13.21	12.40	11.93	11.60	11.66	10.72	10.78	10.23	10.01	8.45	9.98	11.02	9.90	10.09	10.52	9.27
<b>Houston North Loop</b>															12.63	10.16	9.53	10.23	10.26	12.16	11.47	9.76
<b>Houston North Wayside</b>																					12.72	10.90
<b>Houston Westhollow</b>																					8.24	6.69

### Monthly Average PM2.5 (Local Conditions) - Last 12 Months

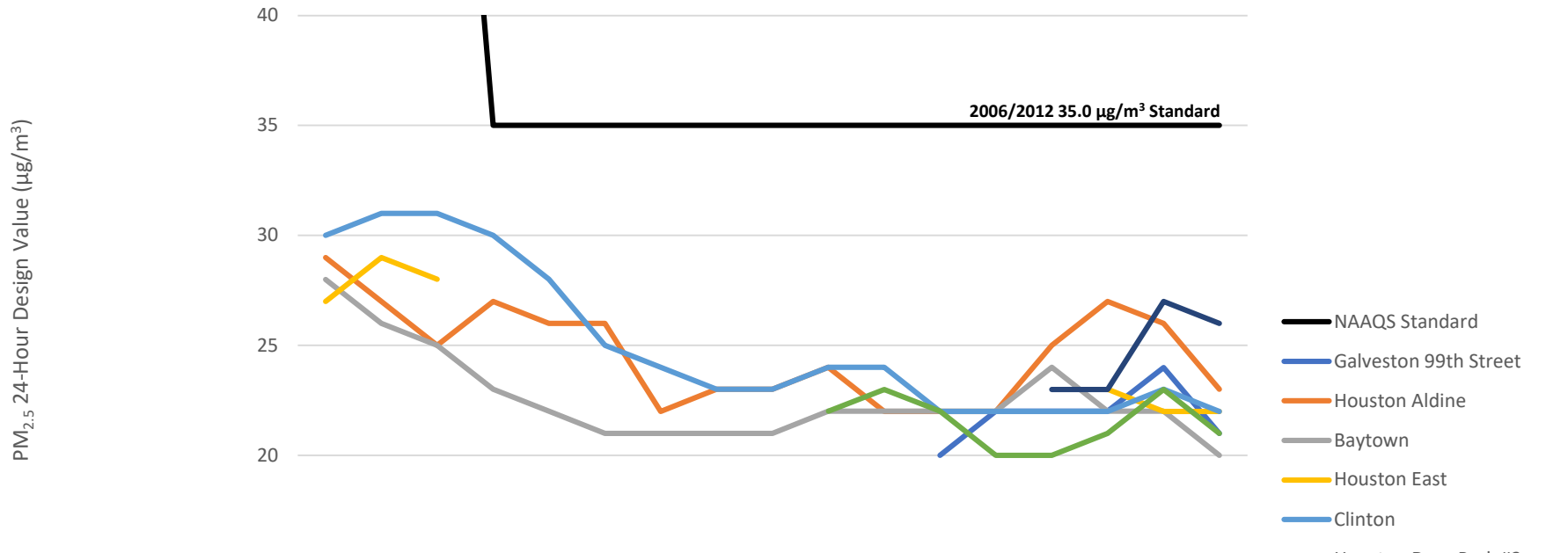


	April	May	June	July	August	September	October	November	December	January	February	March
Baytown	10.22	8.84	8.72	10.25	10.75	11.31	8.20	9.21	9.30	9.14	9.24	10.58
Galveston 99th St.	8.70	7.95	7.71	7.67	8.28	9.58	4.59	5.71	5.54	6.54	6.65	6.90
Houston Aldine	10.39	8.18	8.21	10.59	10.47	11.51	9.89	10.60	10.15	12.70	11.61	10.03
Houston Deer Park 2	10.08	9.44	9.91	11.67	11.68	12.46	7.35	7.94	8.12	8.15	7.99	8.43
Houston East	10.79	10.18	9.66	11.39	10.75	12.57	9.65	9.75	9.08	9.19	9.01	9.60
Houston North Loop	11.55	10.36	10.85	14.03	12.83	12.57	9.96	11.08	10.20	9.67	9.46	10.14
Houston North Wayside		10.71	11.12	13.47	12.99	15.41	12.95	14.08	11.04	11.04	10.58	11.07
Houston Westhollow	9.86	8.37	7.96			7.71	6.52	7.87	8.45	7.90	4.86	7.32

Month



### HGB PM<sub>2.5</sub> Design Values - 24-Hour Standard (µg/m<sup>3</sup>)



	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019	2018-2020	2019-2021
NAAQS Standard	65	65	65	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Galveston 99th Street												20	22	22	22	24	21
Houston Aldine	29.0	27.0	25	27	26	26	22	23	23	24	22	22	22	25	27	26	23
Baytown	28.0	26.0	25	23	22	21	21	21	21	22	22	22	22	24	22	22	20
Houston East	27.0	29.0	28												23	22	22
Clinton	30.0	31.0	31	30	28	25	24	23	23	24	24	22	22	22	22	23	22
Houston Deer Park #2										22	23	22	20	20	21	23	21
Houston North Loop														23	23	27	26
Houston North Wayside																	27
Houston Westhollow																	18
Seabrook Friendship Park																	16
Conroe Relocated																	25

Design Value Extent