

*Revised
2006 Baseline, 2018 Base and 2018 Control
Strategy Anthropogenic Modeling Emissions
HGB Eight-County*

Dick Karp
**Southeast Texas Photochemical
Modeling Technical Committee**
January 26, 2010





Summary of Emission Changes

- Point source emissions from upsets, maintenance, startups, and shutdowns were added to the 2006 baseline, increasing NO_x (0.7 tpd) and VOC (32.7 tpd)
- MECT allocations reflecting recent certifications decreased 2018 base point source NO_x (8.4 tpd)
- Revised growth factors for non-MECT point sources decreased 2018 base VOC (23.8 tpd)
- Reduction of reconciled HRVOC emissions was eliminated increasing the 2018 base VOC (6.4 tpd)
- Non-road mobile source emissions were updated with latest version of TexN, increasing 2006 baseline NO_x (0.5 tpd) and decreasing 2006 baseline VOC (14.6 tpd), and decreasing 2018 base VOC (29.4 tpd)

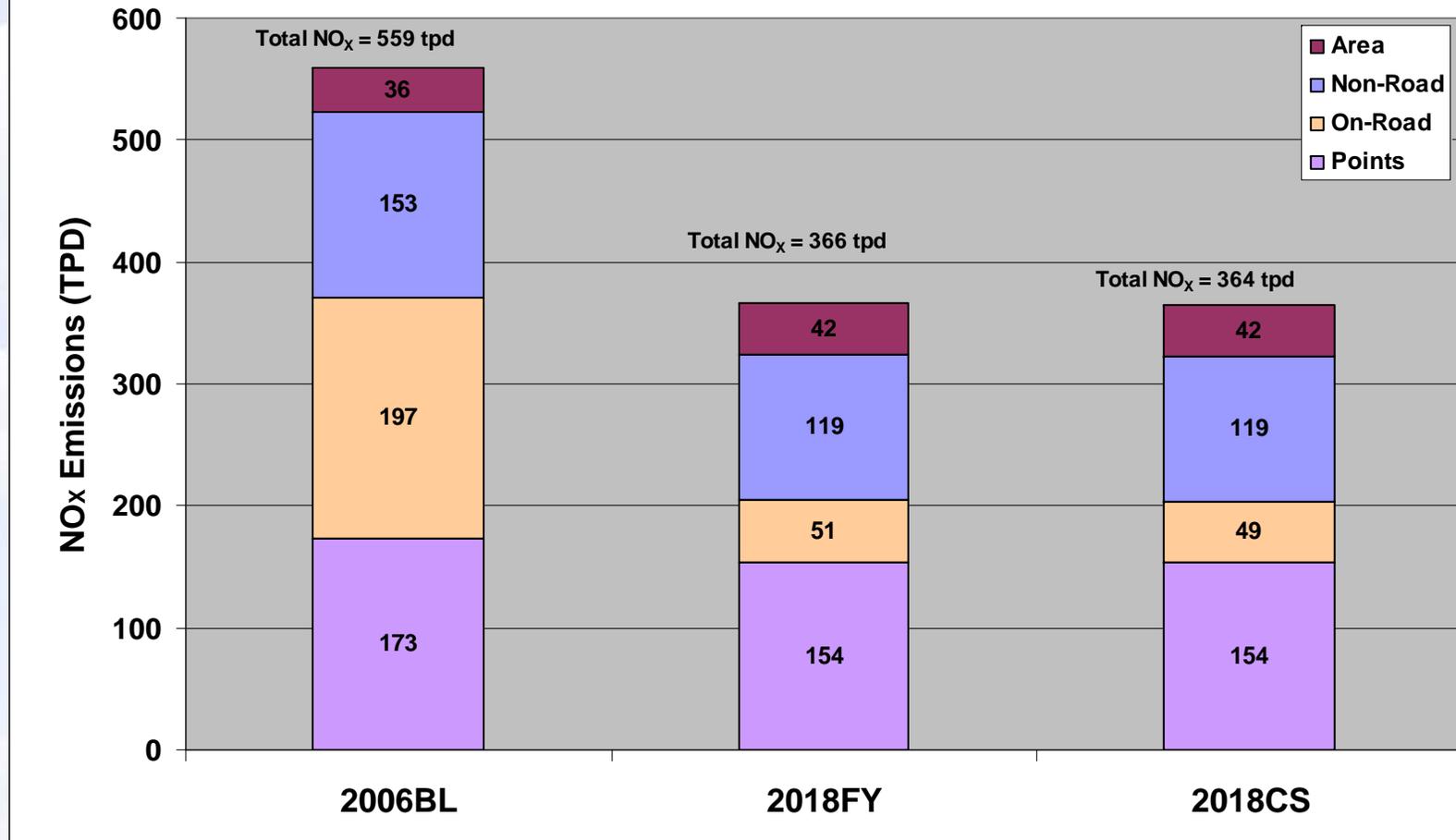


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Source Type	2006 Baseline			2018 Baseline			2018 Control Strategy		
	NO _x	VOC	CO	NO _x	VOC	CO	NO _x	VOC	CO
	(tpd)			(tpd)			(tpd)		
Point	172.86	241.00	132.25	154.36	292.05	222.06	154.36	289.35	222.06
On-Road	197.28	99.39	1115.23	50.76	50.39	733.17	49.21	50.39	733.17
Non -Road	79.33	61.41	572.37	33.62	30.18	427.56	32.92	30.18	427.56
Off-Road	73.26	5.75	97.30	85.66	6.68	44.71	85.66	6.68	44.71
Area	36.35	528.99	134.59	42.04	650.09	158.99	42.04	650.09	158.99
Totals	559.08	936.54	2051.74	366.44	1029.39	1586.49	364.19	1026.69	1586.49

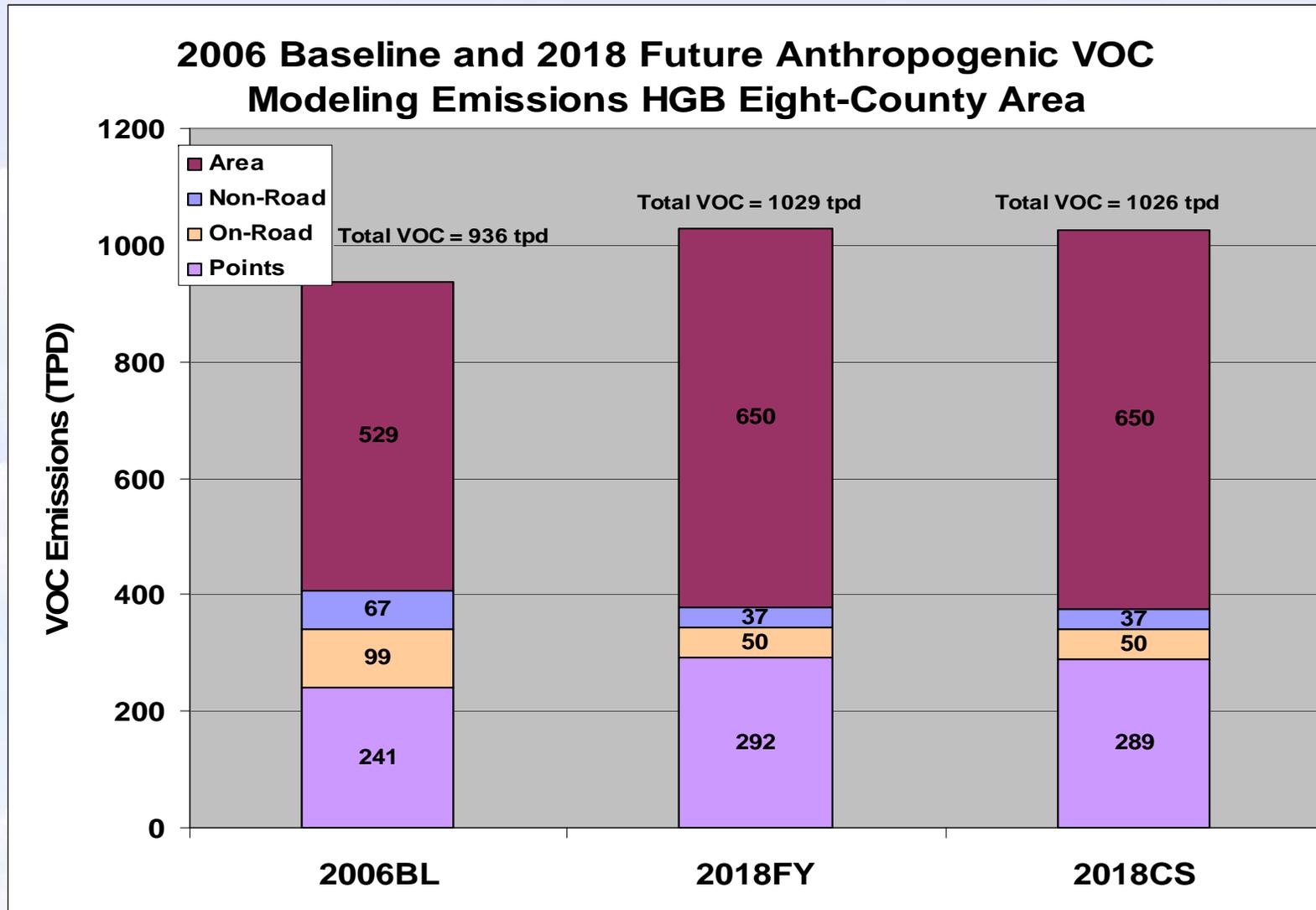


2006 Baseline and 2018 Future Anthropogenic NO_x Modeling Emissions HGB Eight-County Area





2006 Baseline and 2018 Future Anthropogenic VOC Modeling Emissions HGB Eight-County Area



Monitor Designation	Site Code	2006 DV _B (ppb)	RRF	2018 DV _F (ppb)
Houston East (CAMS 1)	HOEA	80.3	0.935	75.1
Aldine (CAMS 8)	HALC	85.0	0.907	77.1
Channelview (CAMS 15)	HCHV	82.7	0.937	77.5
Northwest Harris County (CAMS 26)	HNWA	89.0	0.858	76.4
Galveston Airport (CAMS 34)	GALC	81.7	0.939	76.7
Deer Park (CAMS 35)	DRPK	92.0	0.940	86.5
Seabrook Friendship Park (CAMS 45)	SBFP	85.3	0.926	79.0
Bayland Park (CAMS 53)	BAYP	96.7	0.885	85.5
Conroe Relocated (CAMS 78)	CNR2	83.0	0.866	71.9
Houston Regional Office (CAMS 81)	HROC	79.7	0.945	75.3
Manvel Croix Park (CAMS 84)	MACP	90.7	0.882	80.0
Clinton (CAMS 403)	C35C	79.0	0.938	74.1
North Wayside (CAMS 405)	HWAA	76.3	0.917	70.0
Swiss and Monroe (CAMS 406)	HSMA	90.3	0.911	82.3
Lang (CAMS 408)	HLAA	77.7	0.876	68.0
Croquet (CAMS 409)	HCQA	87.0	0.883	76.8
Shell Westhollow (CAMS 410)	SHWH	92.3	0.844	77.9
Houston Texas Avenue (CAMS 411)	HTCA	79.3	0.929	73.7
Haden Road (CAMS 603; Non-regulatory)	H03H	84.0	0.939	78.9
Wallisville Road (CAMS 617; Non-regulatory)	WALV	92.0	0.940	86.5
Danciger (CAMS 618; Non-regulatory)	DNCG	80.3	0.880	70.7
Mustang Bayou (CAMS 619; Non-regulatory)	MSTG	84.7	0.892	75.6
Texas City (CAMS 620; Non-regulatory)	TXCT	84.3	0.925	78.0
Lynchburg Ferry (CAMS 1015)	LYNF	81.7	0.948	77.5
Lake Jackson (CAMS 1016)	LKJK	77.0	0.891	68.6