

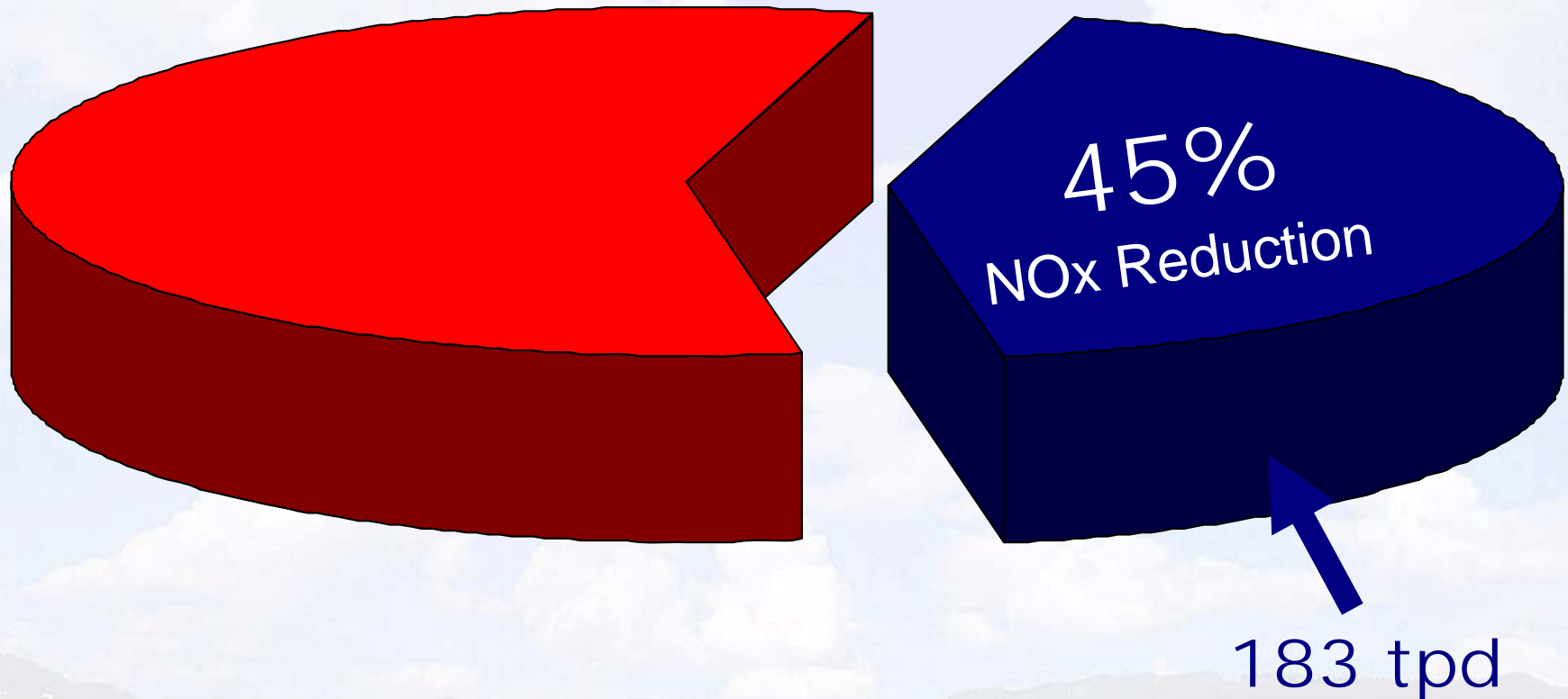
EPA Region Six Meeting December 15, 2005

David C. Schanbacher, P.E.
Chief Engineer



2010 Future Case

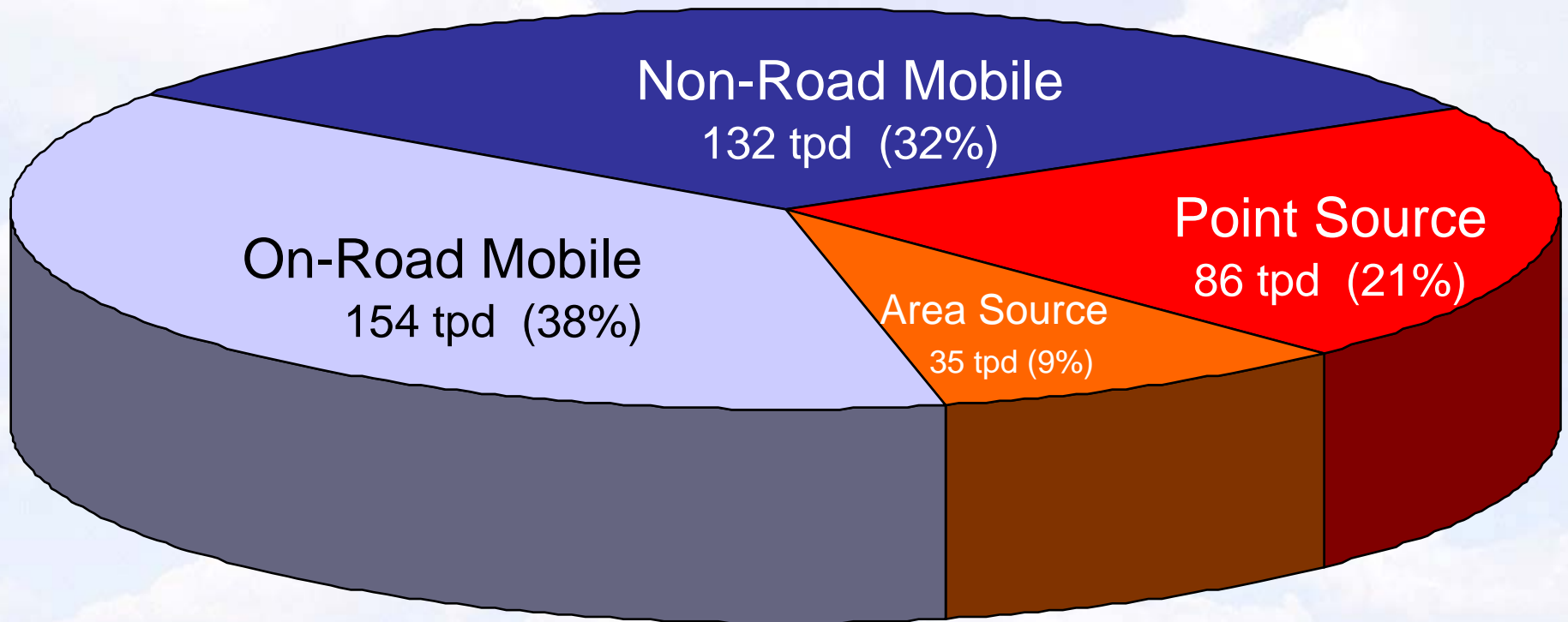
Estimate of DFW NOx Reductions Needed





2010 Emissions Inventory

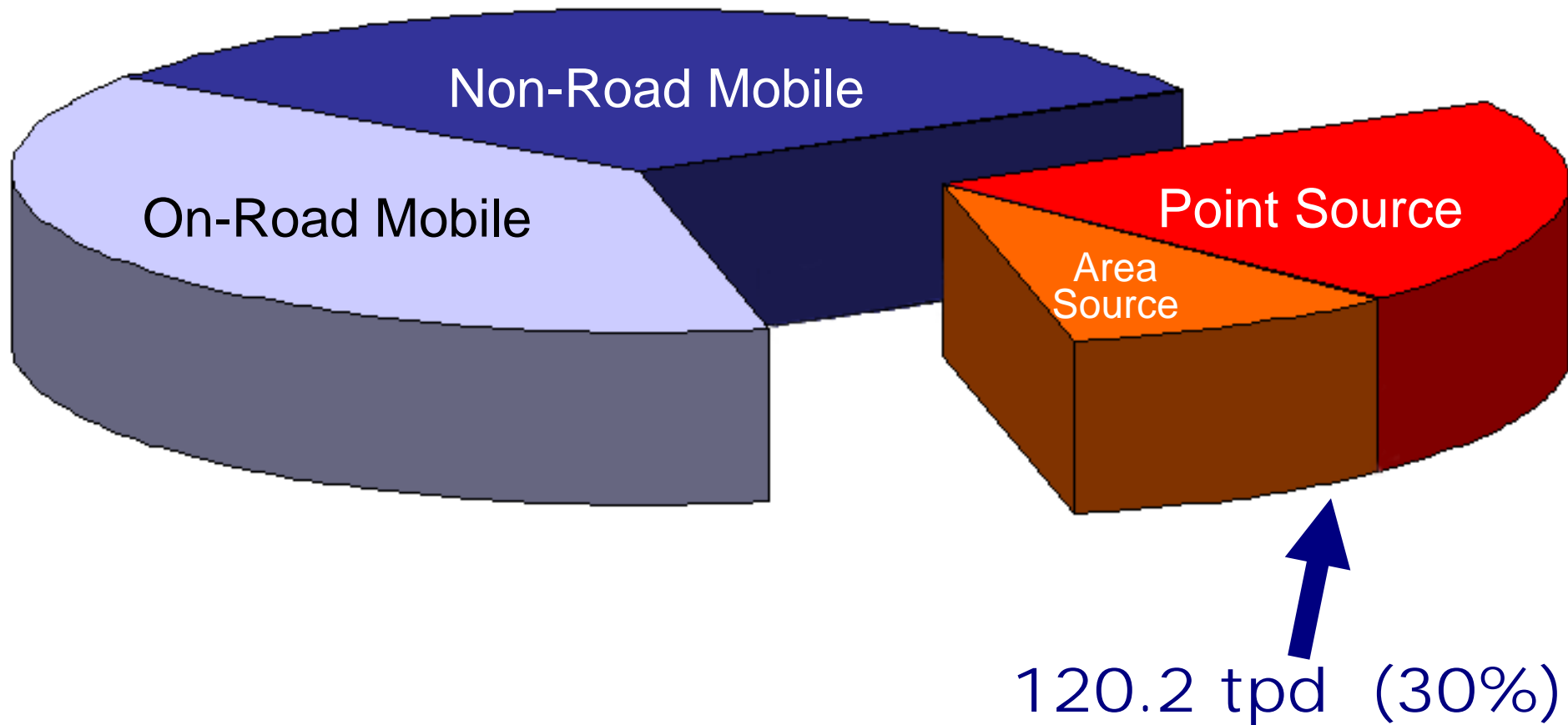
9 County Dallas/Fort Worth NO_x





2010 Emissions Inventory

DFW NO_x Sources Directly Regulated by TCEQ

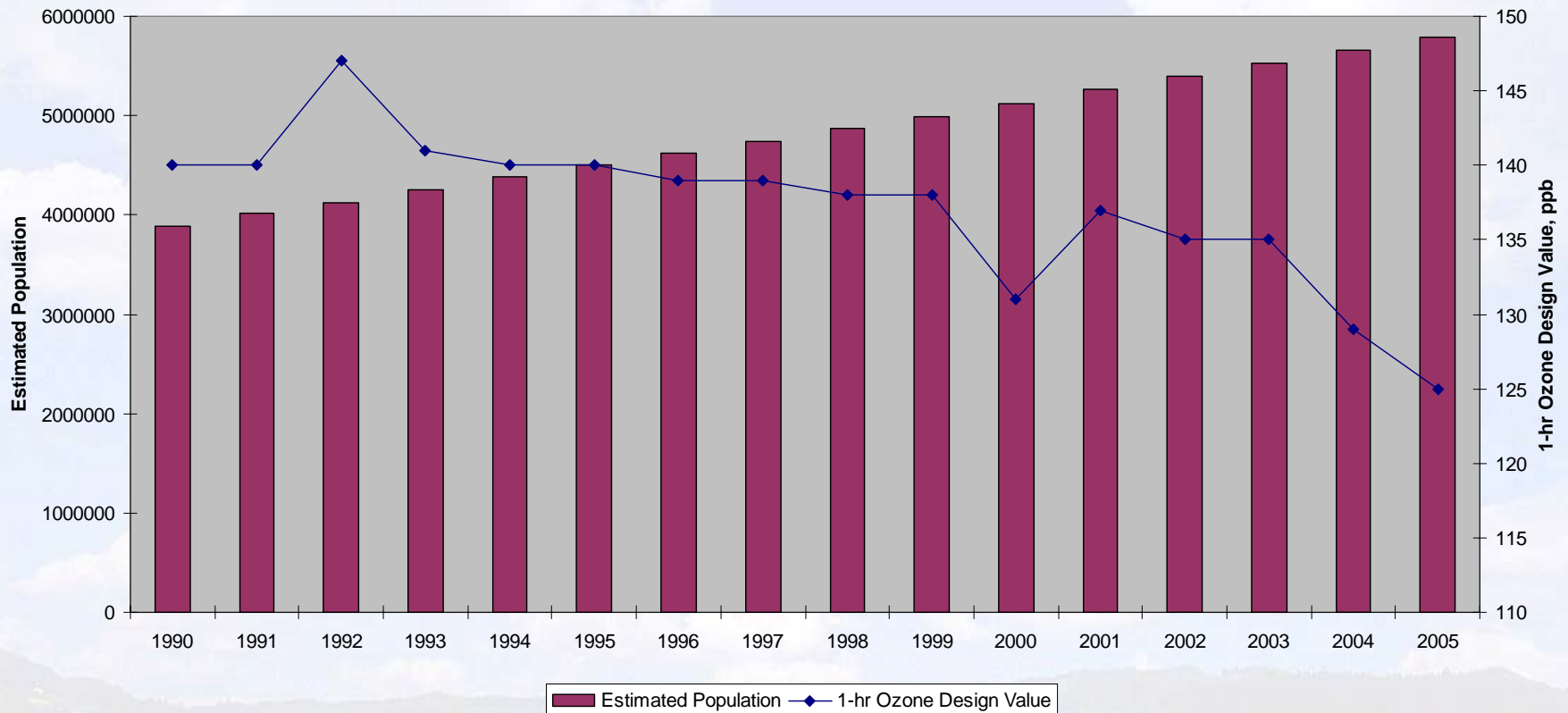


120.2 tpd (30%)



DFW 1-Hour Ozone Design Values

Ozone 1-hr Design Values in Dallas/Ft. Worth Area
vs.
Estimated Population
(1990-2005)

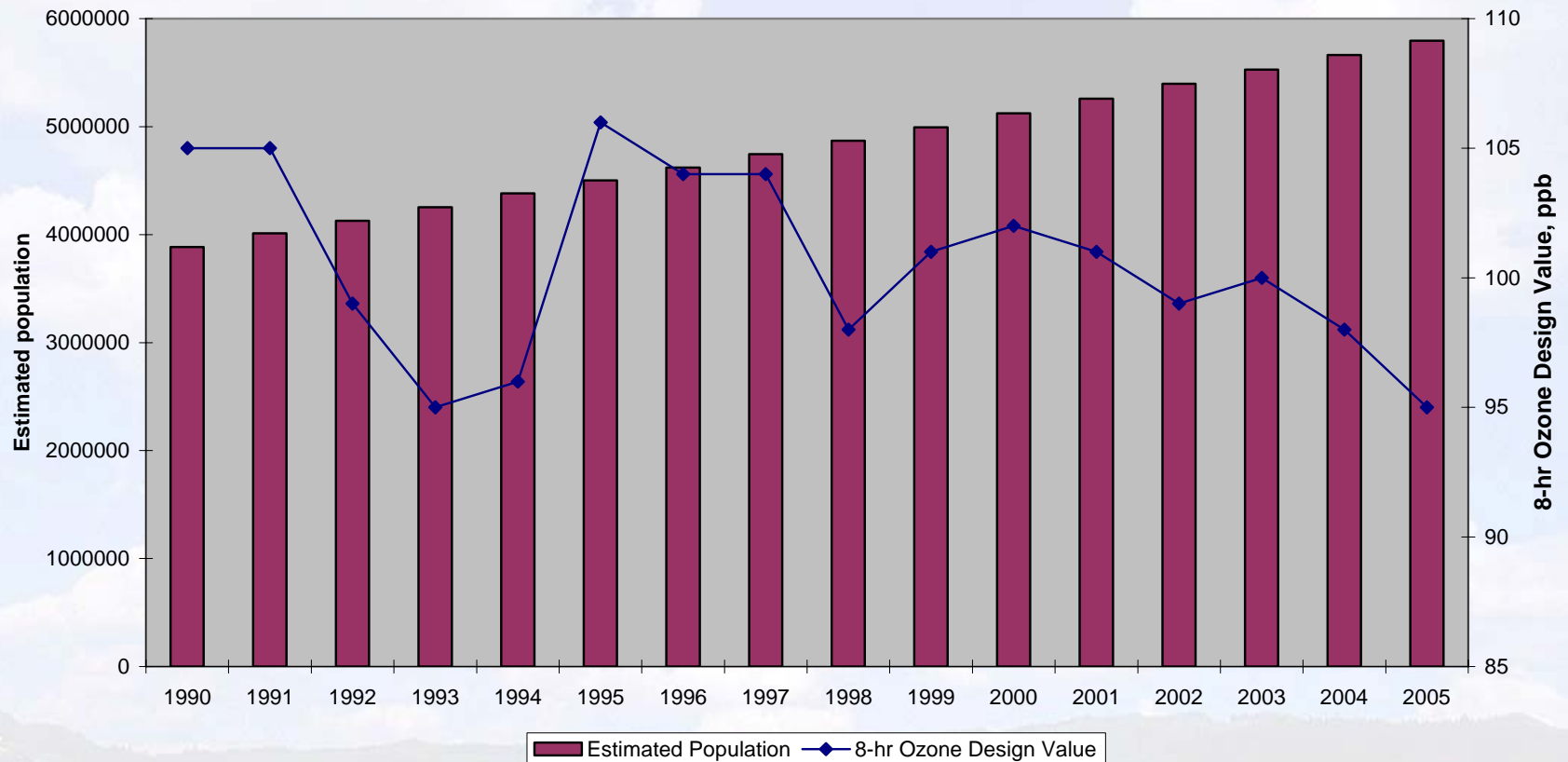


**2005 Ozone Design Value not validated (incomplete year)



DFW 8-Hour Ozone Design Values

Ozone 8-hr Design Values in Dallas/Ft. Worth Area
vs.
Estimated Population
(1990-2005)

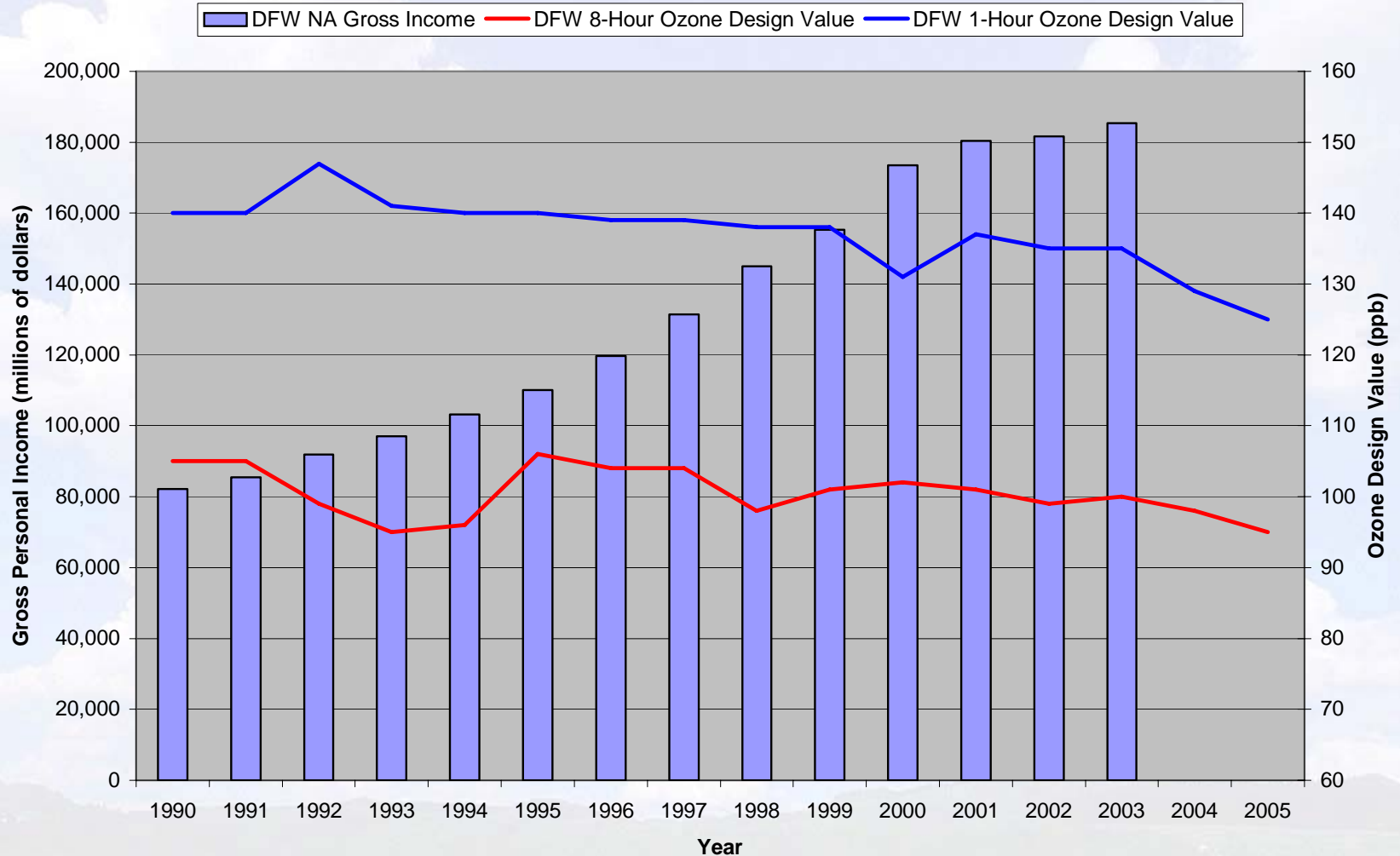


**2005 Ozone Design Value not validated (incomplete year)



DFW Ozone Design Values vs. Gross Personal Income

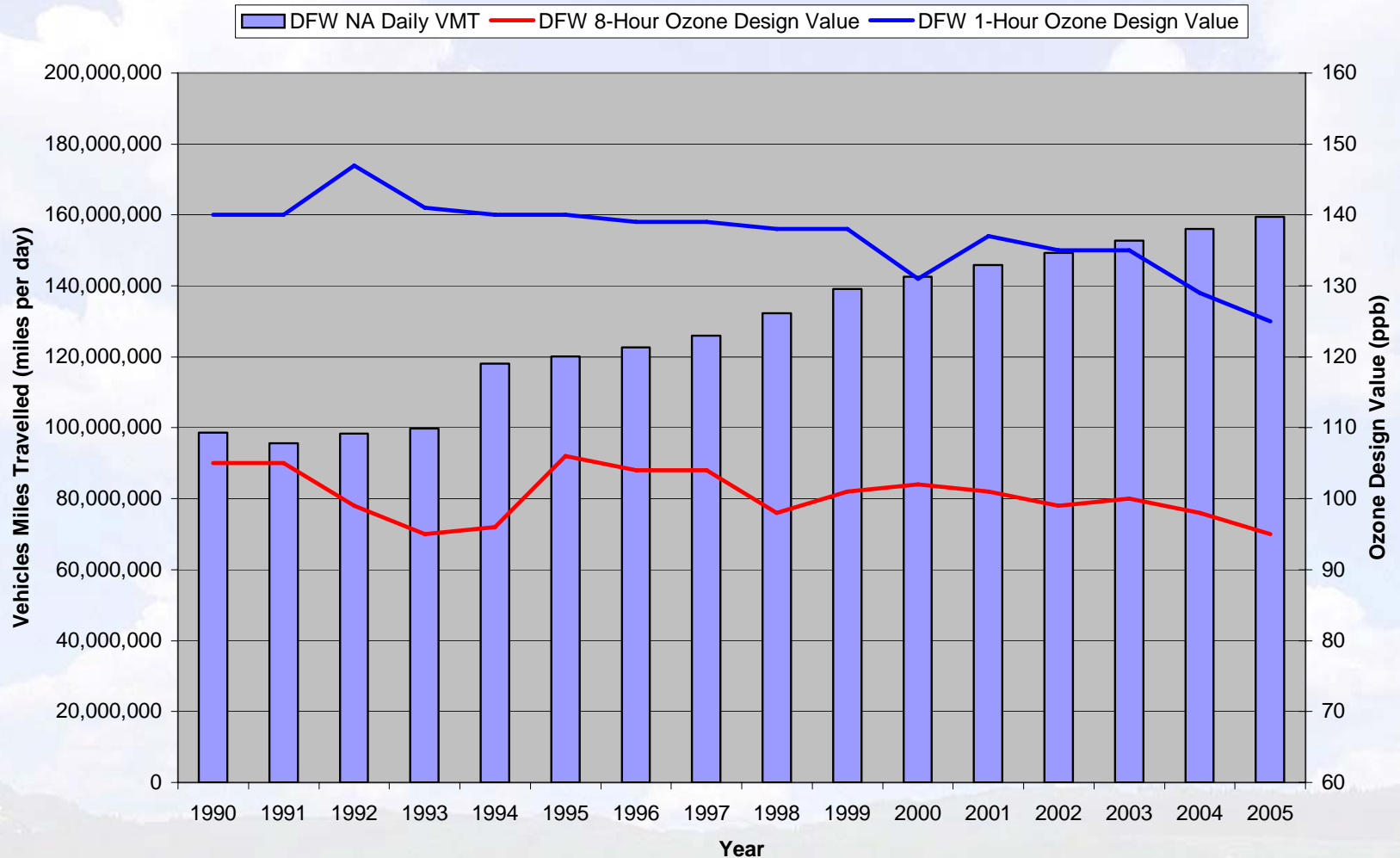
DFW NA Gross Personal Income Versus Ozone Design Values





DFW Ozone Design Values vs. Vehicle Miles Traveled

DFW NA Vehicle Miles Traveled Versus Ozone Design Values





Change in Onroad Emissions (tpd) in 8-County HGB From 2009-2012

<i>Year</i>	<i>VMT</i>	<i>NOx</i>	<i>VOC</i>	<i>CO</i>
2009	149,476,895	166	79	967
2012	160,787,259	117	63	829
Increment	11,310,364	-49	-16	-138
Change	+8%	-29%	-20%	-14%



Change in Onroad Emissions (tpd) in 9-County DFW From 2009-2012

<i>Year</i>	<i>VMT</i>	<i>NOx</i>	<i>VOC</i>	<i>CO</i>
2009	187,988,303	193	100	1158
2012	199,817,033	125	81	972
Increment	11,828,729	-69	-19	-186
Change	+6%	-36%	-19%	-16%



Change in 254-County Statewide Onroad Emissions (tpd) From 2009-2012

<i>Year</i>	<i>VMT</i>	<i>NOx</i>	<i>VOC</i>	<i>CO</i>
2009	721,248,516	1,125	454	5,395
2012	759,851,342	733	372	4,582
Increment	38,602,826	-359	-82%	-814
Change	+5%	-32%	-18%	-15%



Current DFW SIP Time Line

Task	End Date
Base Case Modeling	Fri 05/06/05
2009 Future Base Case Emissions Inventory, Including Mobile Source Emissions	Fri 09/30/05
2009 Future Base Case Modeling	Fri 12/16/05
Control Strategy Development	Fri 02/03/06
Rule Development	Fri 02/17/06
Commissioner Backup Materials, Including Publishing on Agency Website	Fri 05/05/06
SIP Proposal	Wed 05/24/06
SIP Adoption	Wed 11/15/07
Submit SIP to EPA	Fri 12/15/06
Control Measure Implementation	Fri 01/01/09

Note: Dates are estimates and are subject to revision.