Workshop on Staff Draft GHG Inventory Update

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November 30, 2006

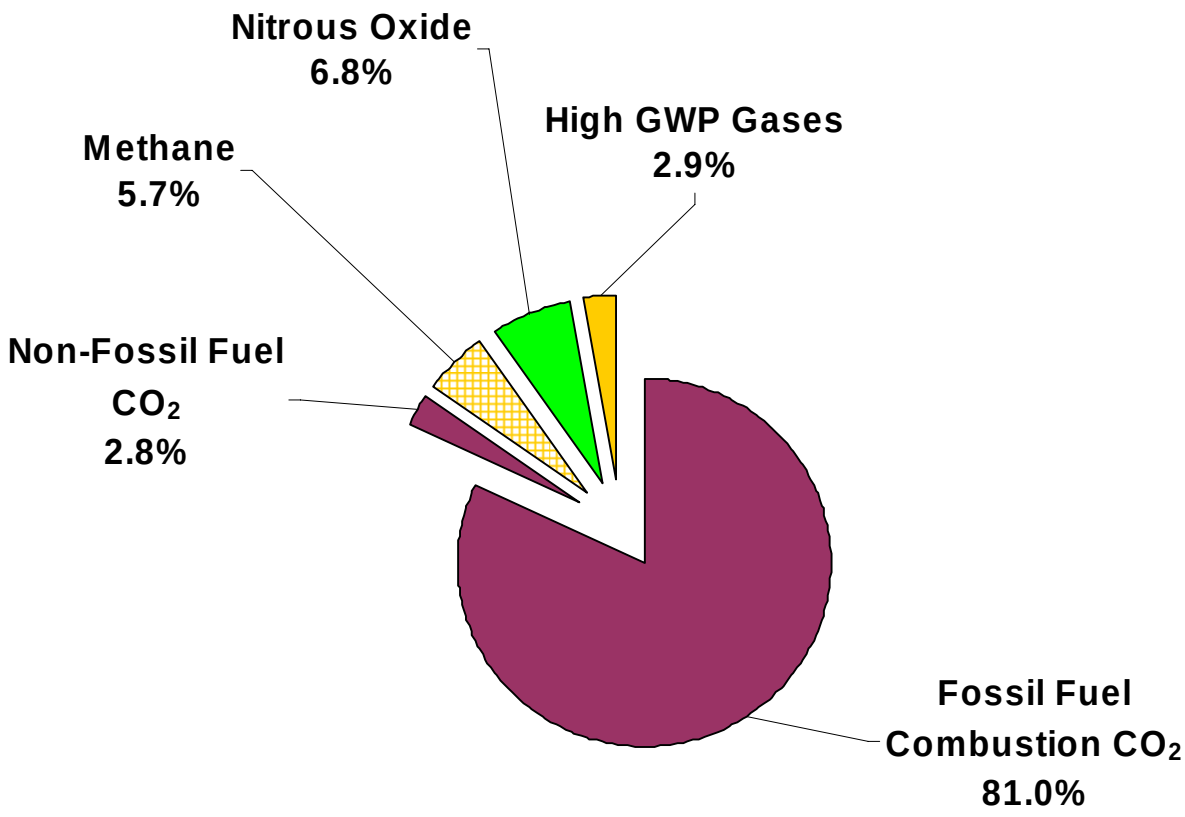
GHG Inventory Update

- Welcome
- 1990-2004 GHG Inventory
- Comparison to 2005 GHG Inventory
- Comparison to Climate Action Team (CAT) GHG Inventory
- Considerations for Imported Electricity
- Transfer of GHG Inventory to ARB
- Public Comments
- Conclusions & Next Steps

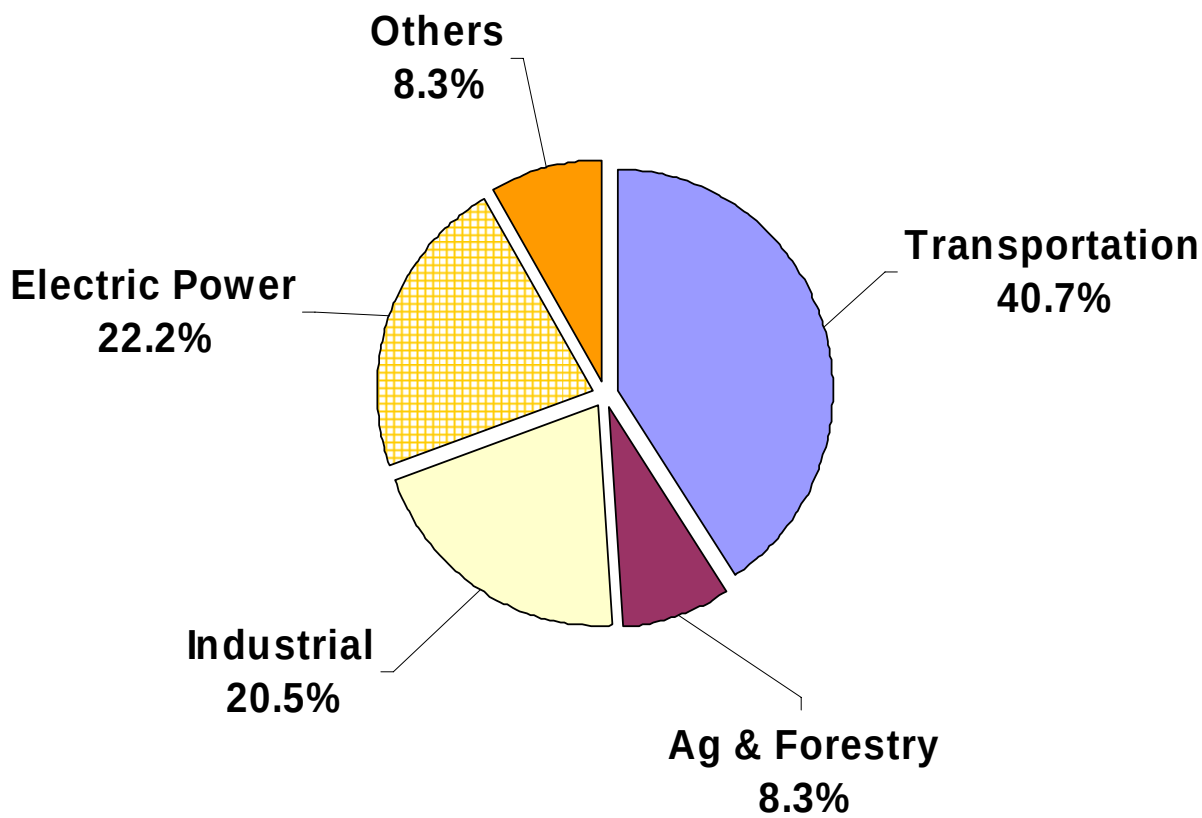
1990—2004 GHG Inventory

- Major Gases
- GHG Emissions Trends
- Major Emissions Categories

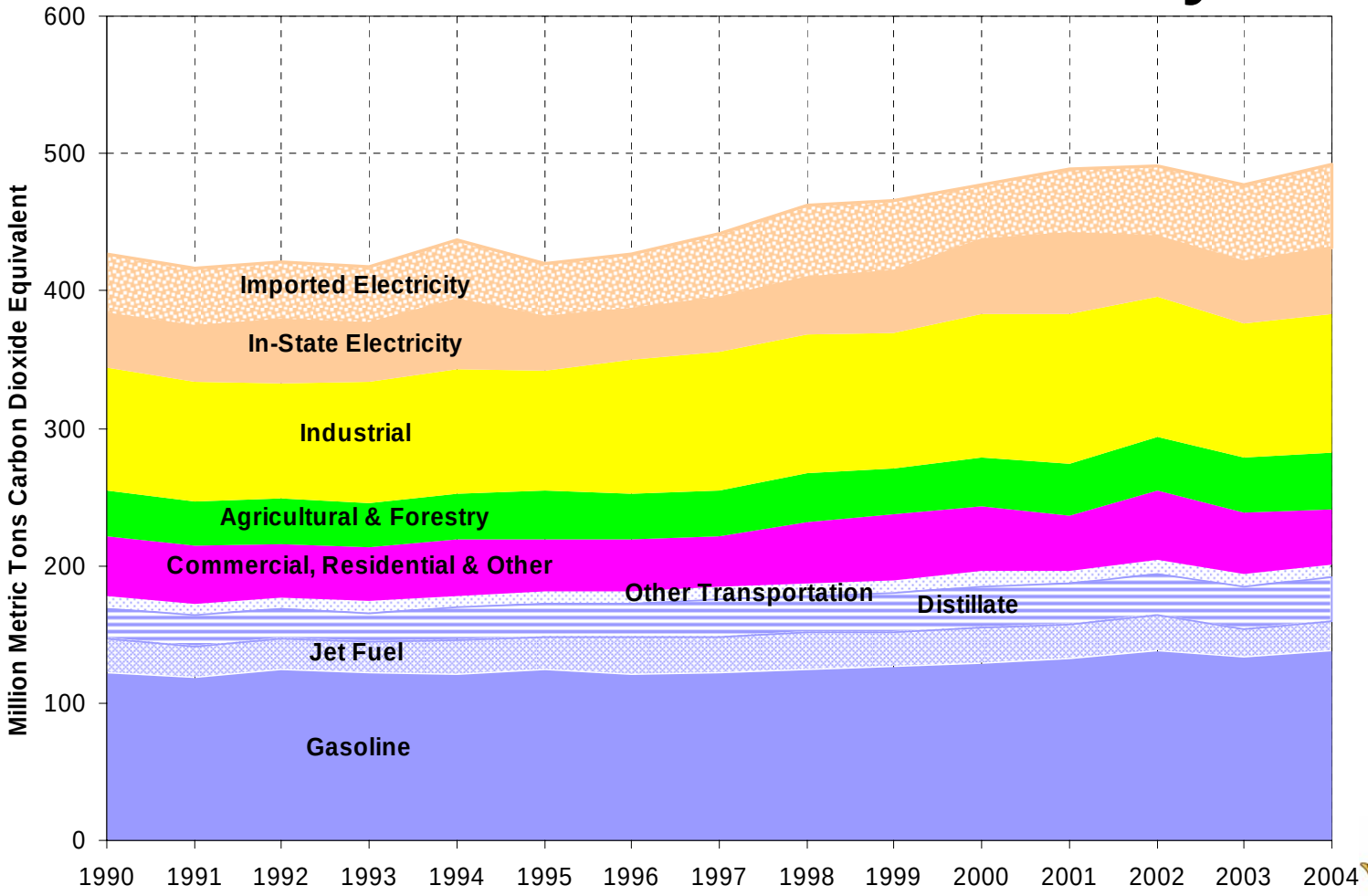
1990—2004 GHG Inventory by Gas



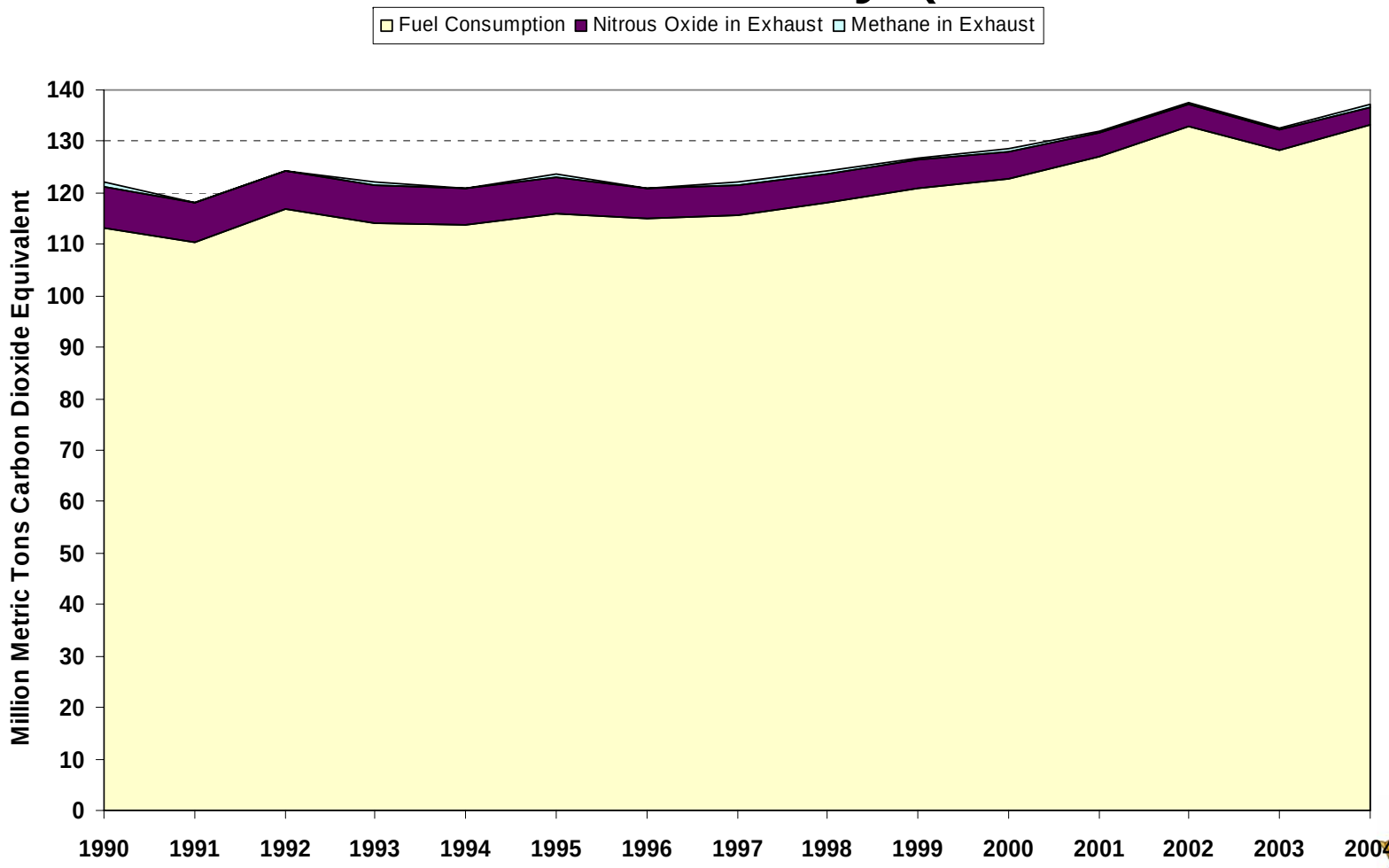
1990—2004 GHG Inventory by Sector



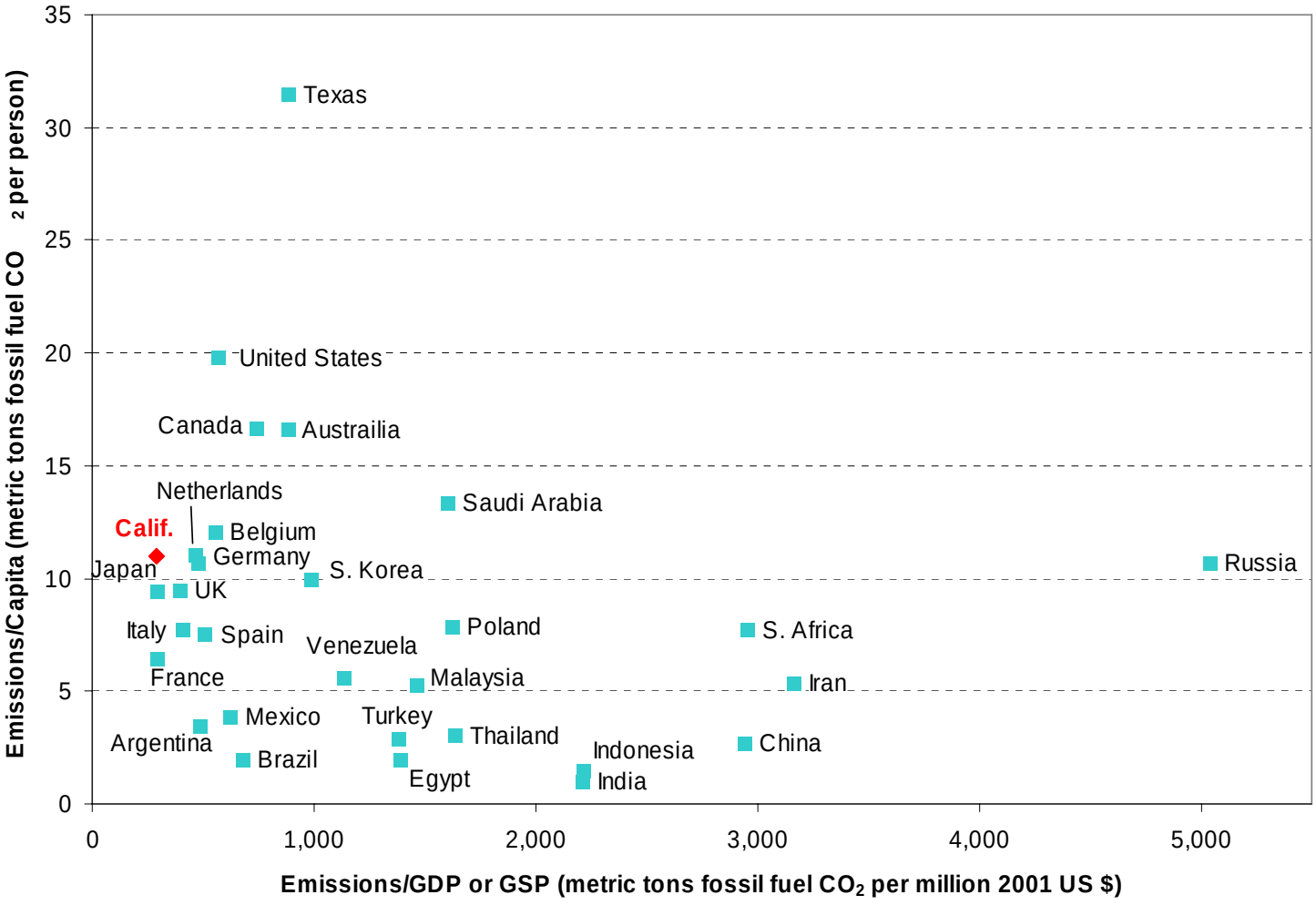
1990—2004 GHG Inventory



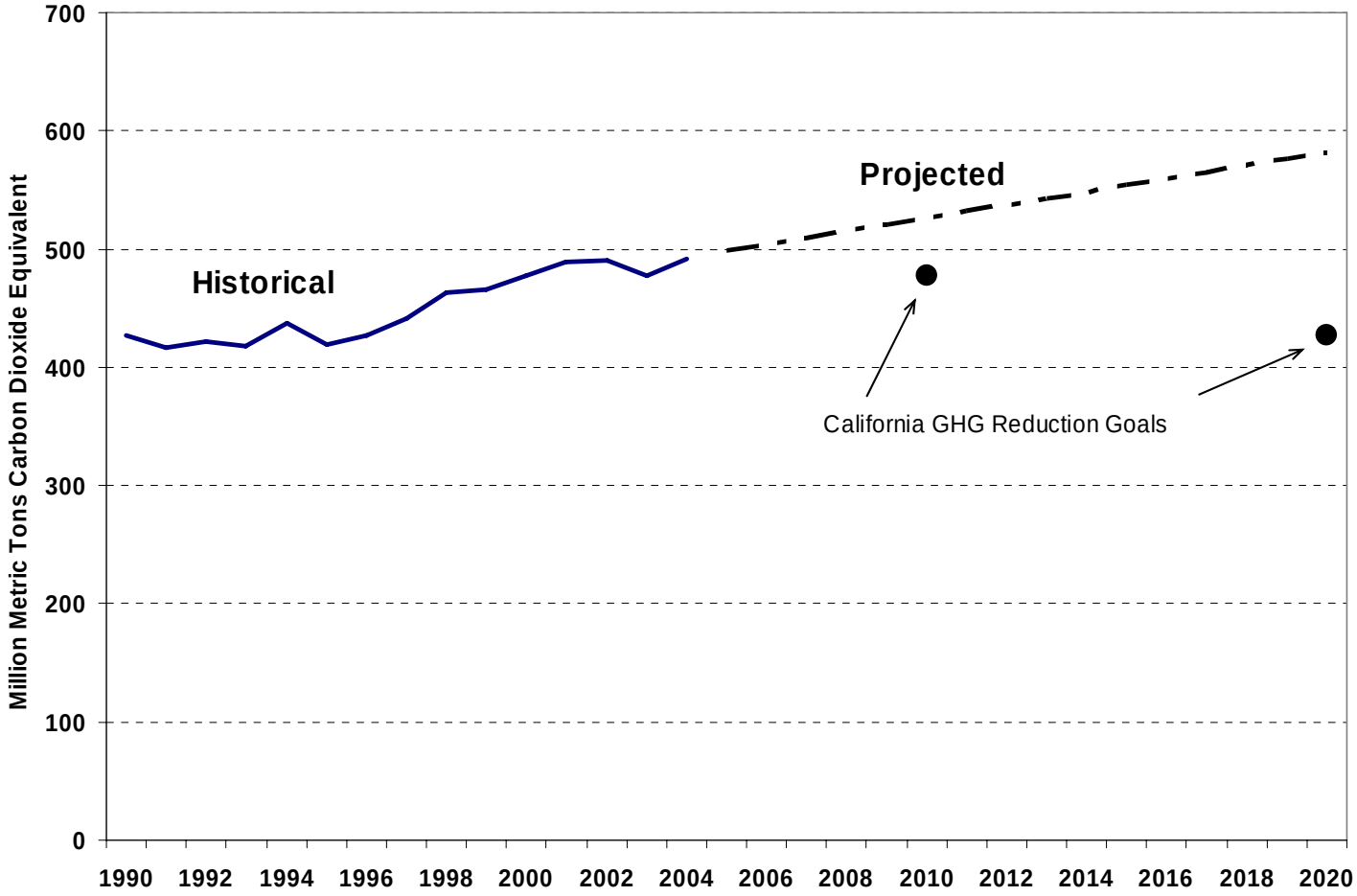
1990—2004 GHG Inventory (Gasoline Trends)



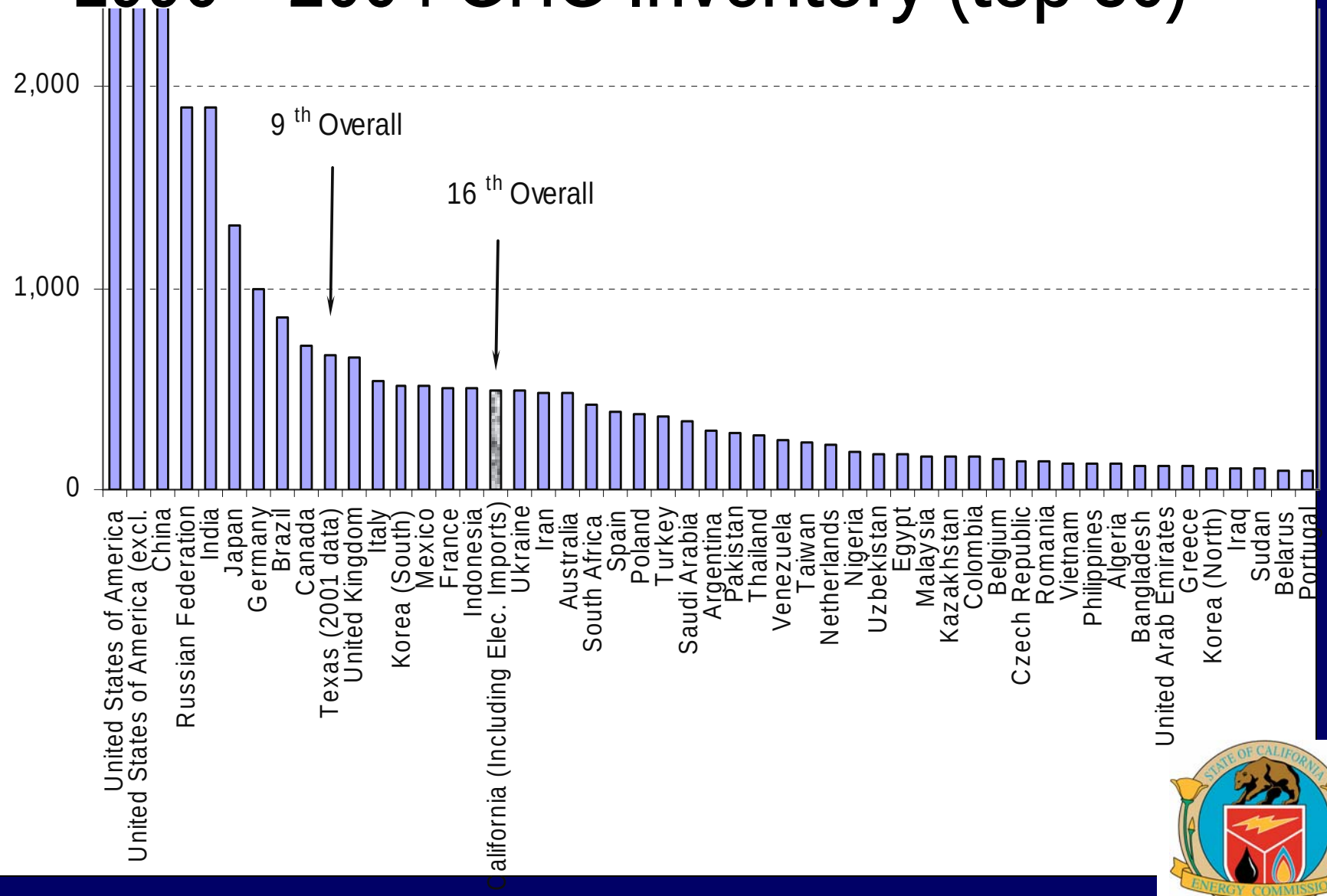
1990-2004 GHG Inventory (fossil fuel portion)



1990-2004 GHG Inventory



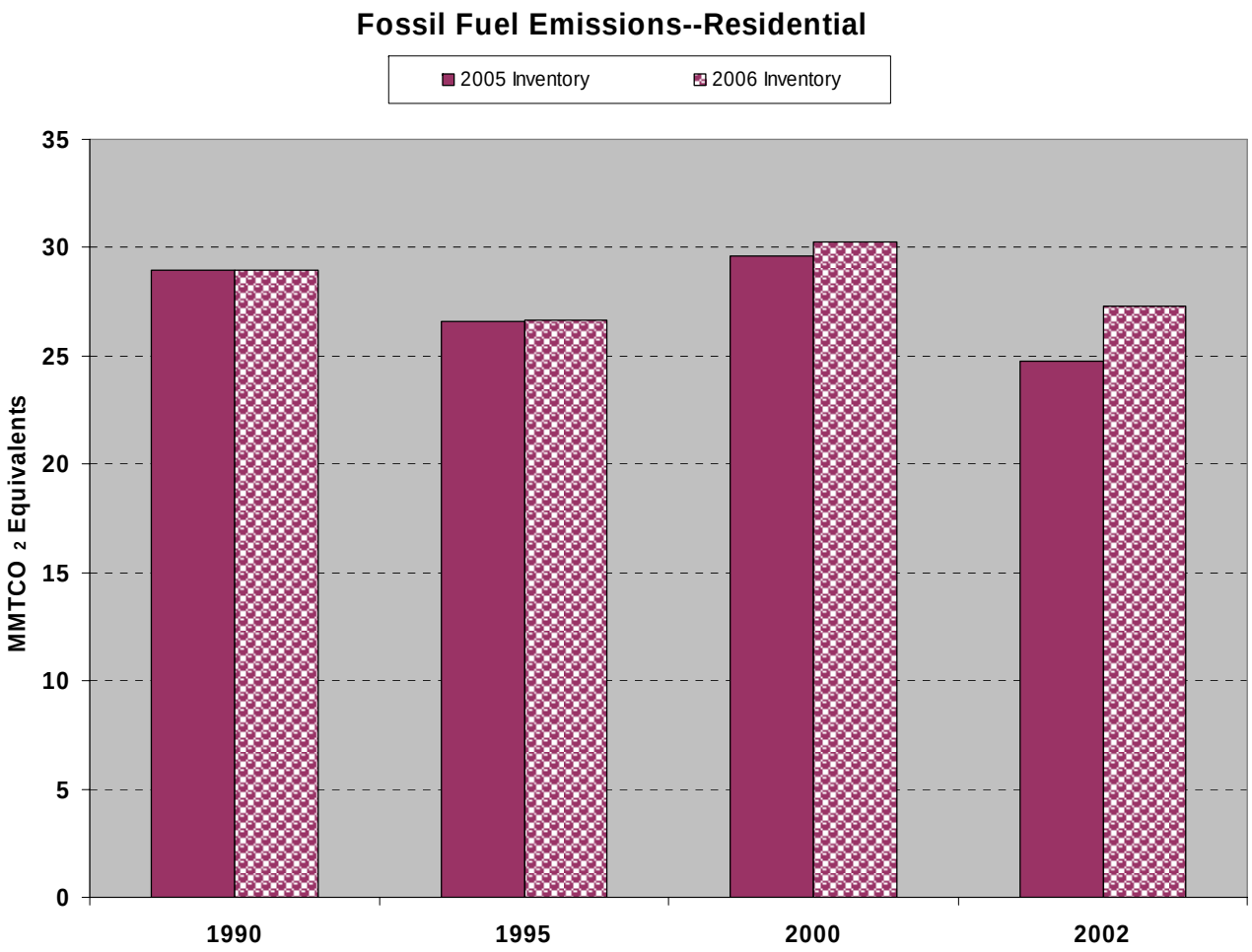
1990—2004 GHG Inventory (top 30)



CA Electricity Imports and Exports

Year	MWh of Imports	MWh of Exports	Net MWh	Percent Imports
2001	55,621,217	-14,853,581	40,767,636	78.9%
2002	70,003,132	-6,533,972	63,469,159	91.5%
2003	67,837,237	-6,026,092	61,811,145	91.8%
2004	71,102,660	-4,824,573	66,278,087	93.6%
2005	68,140,548	-5,605,369	62,535,179	92.4%

2005 Inventory to 2006 Inventory Comparison



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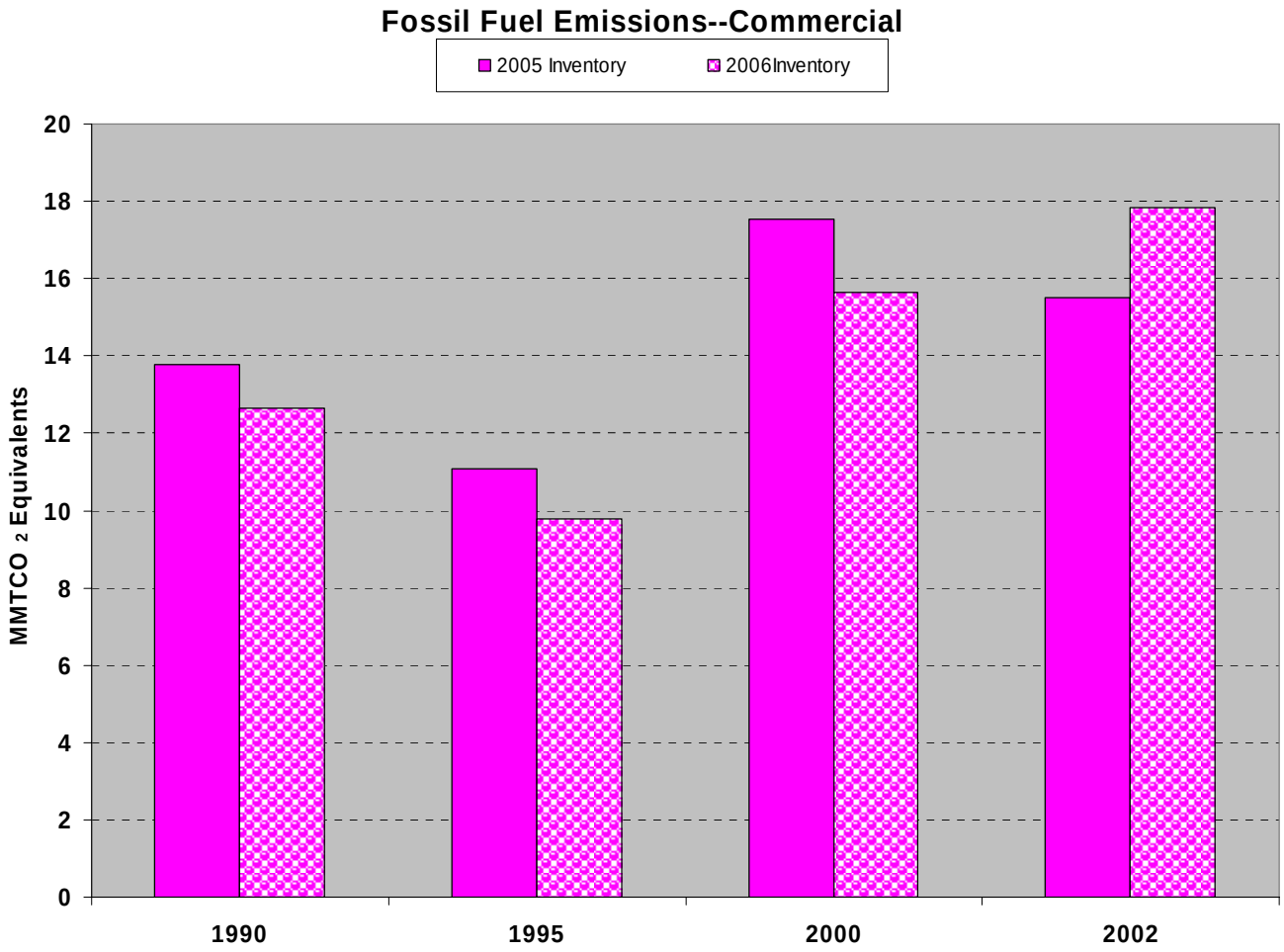

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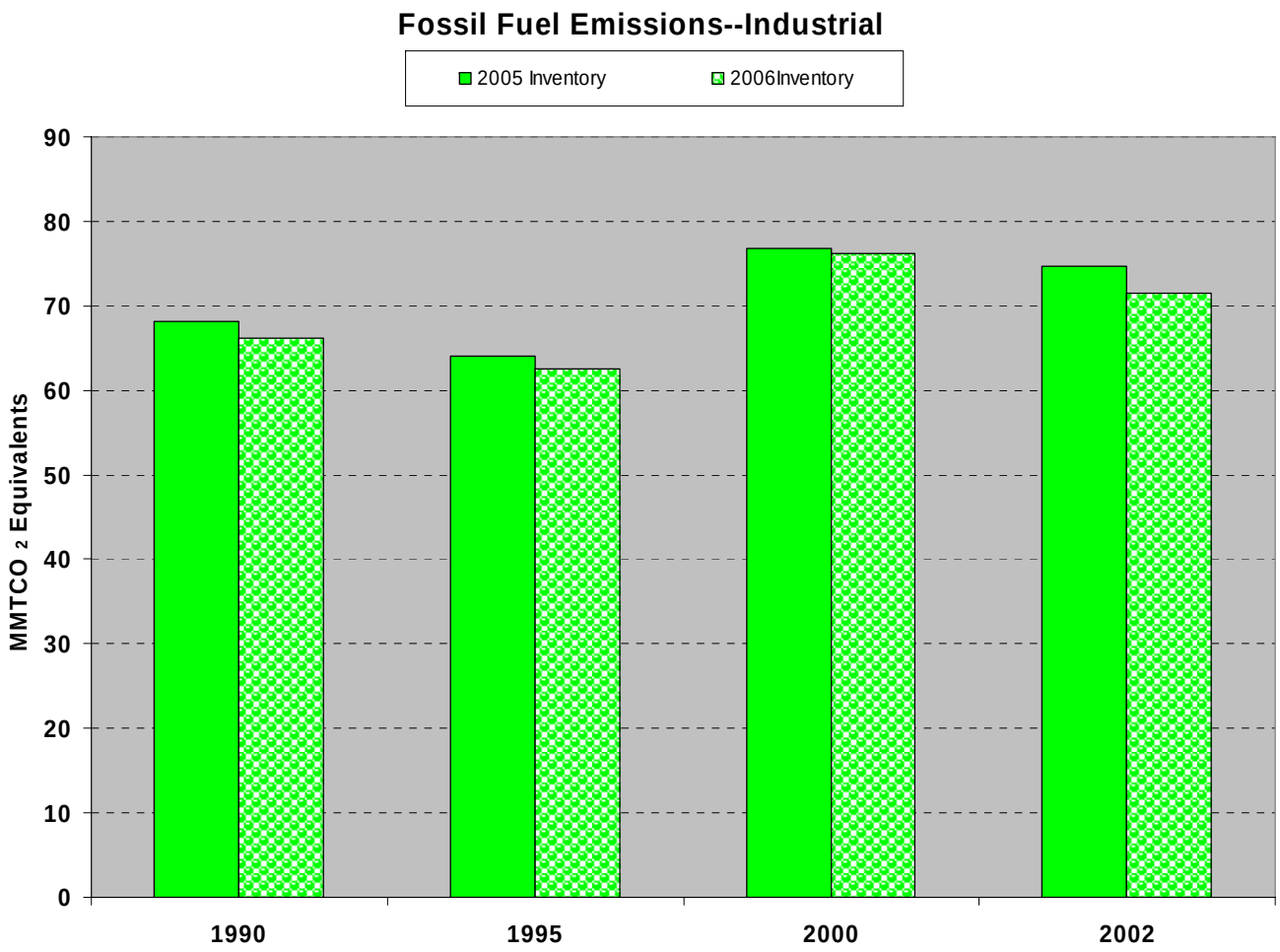

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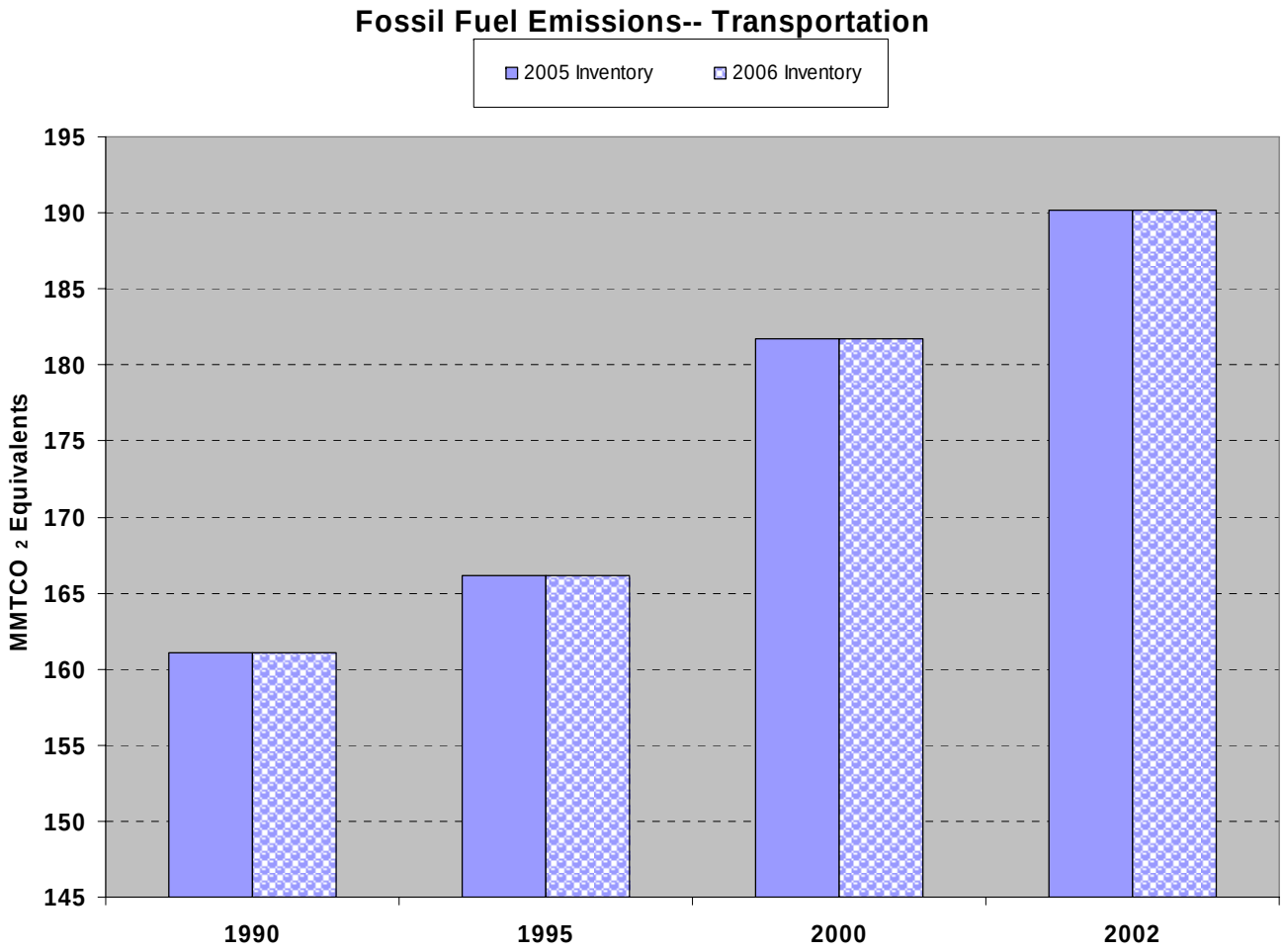

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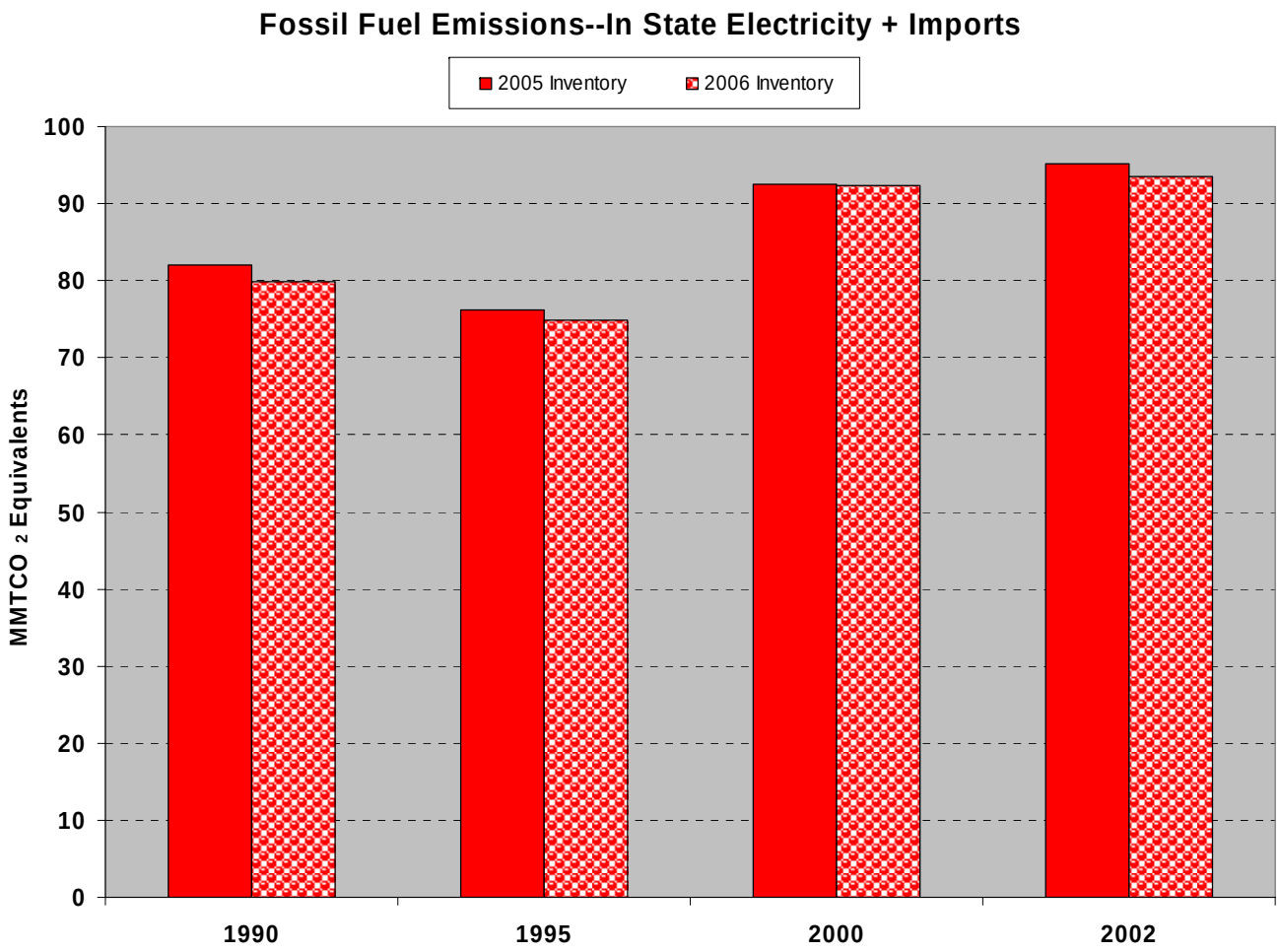

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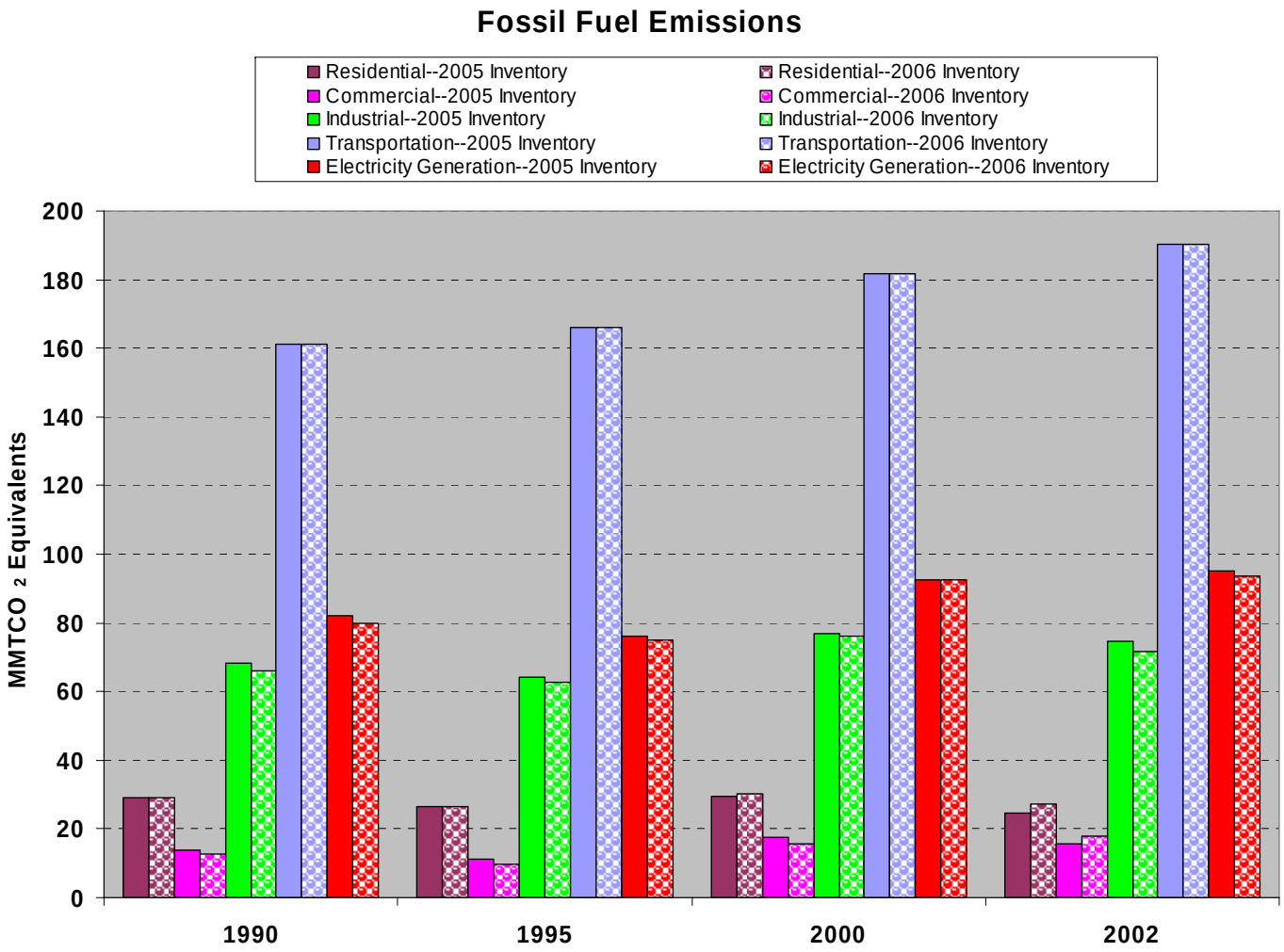

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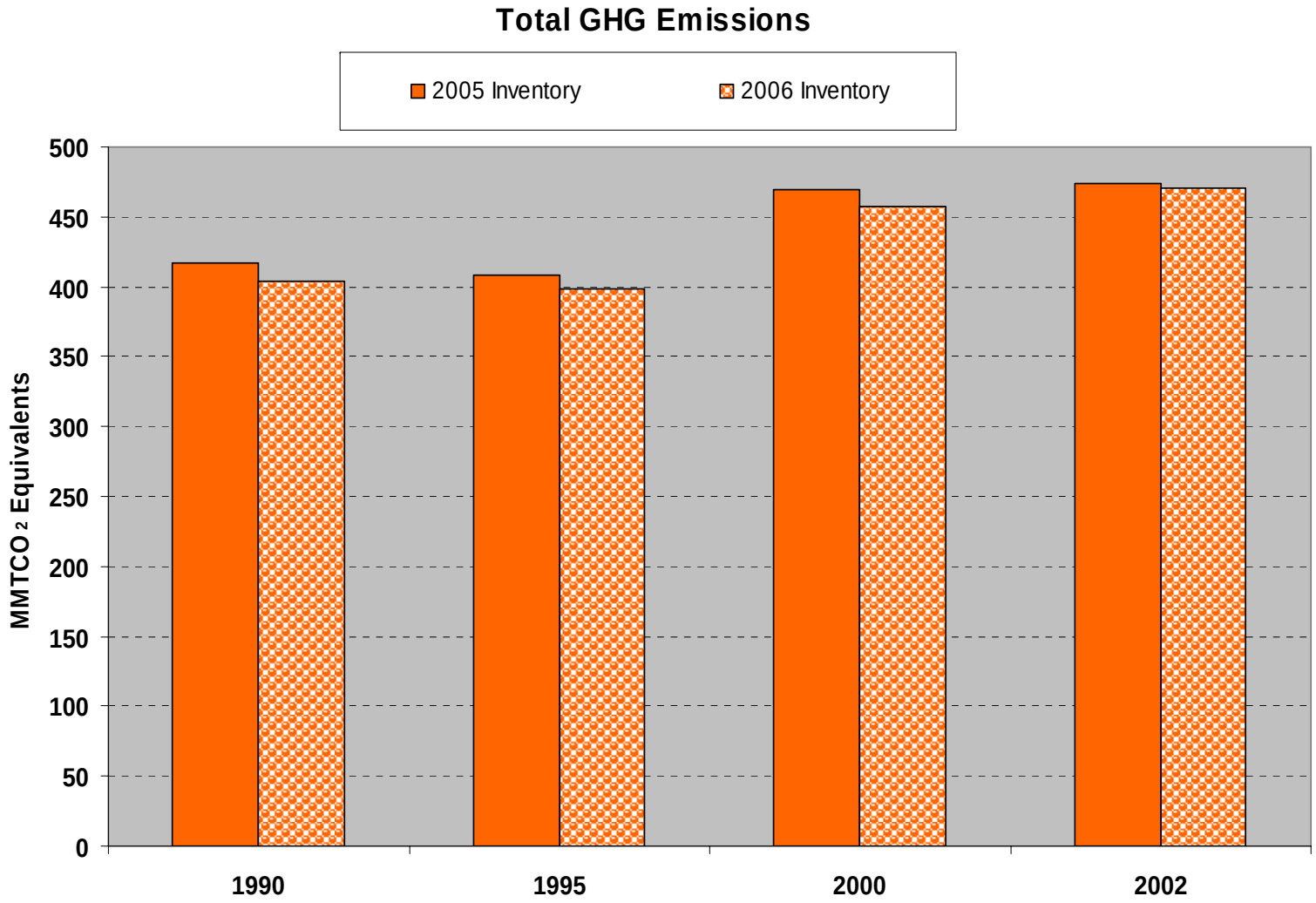
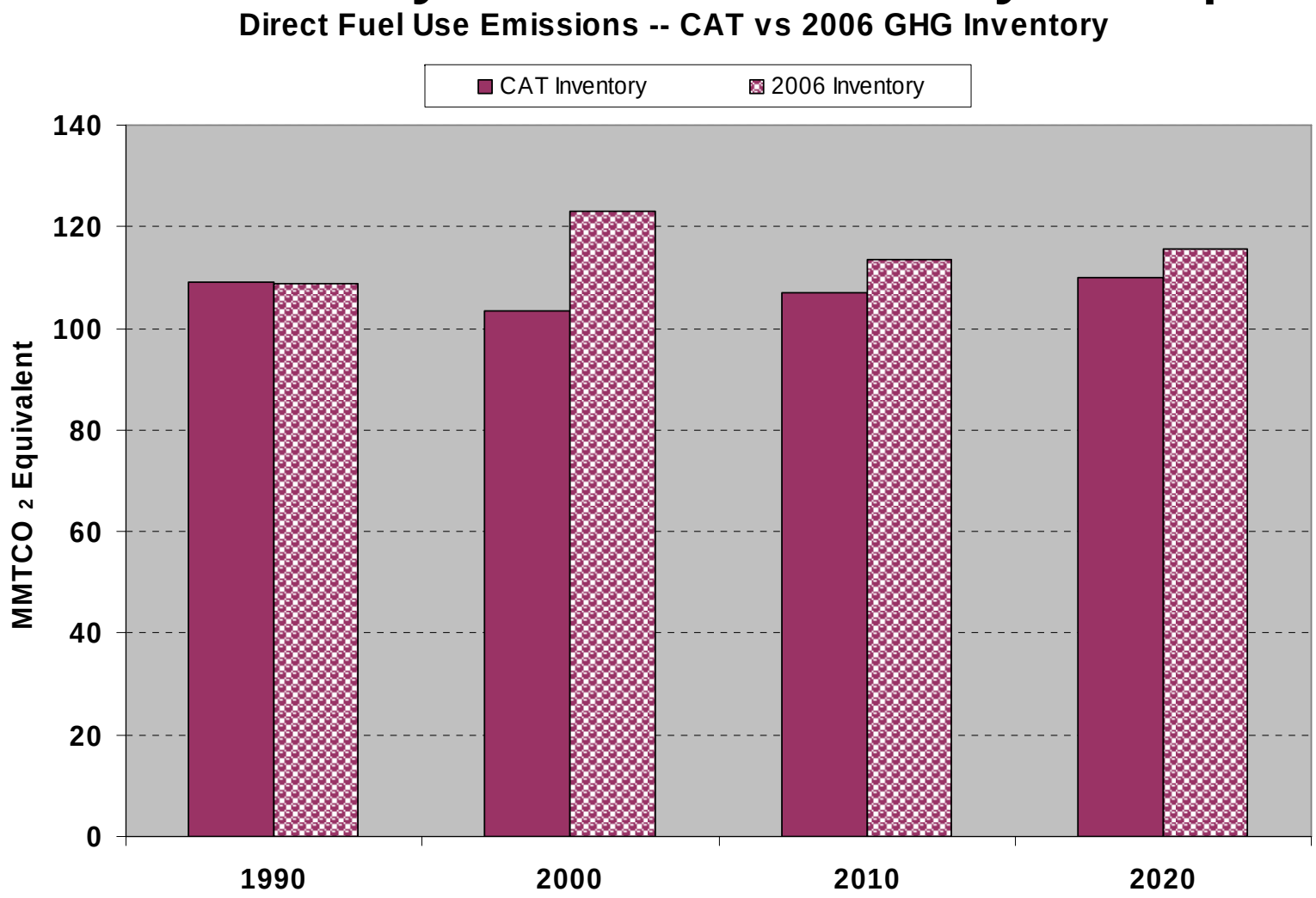


2006 Inventory To CAT Inventory Comparison



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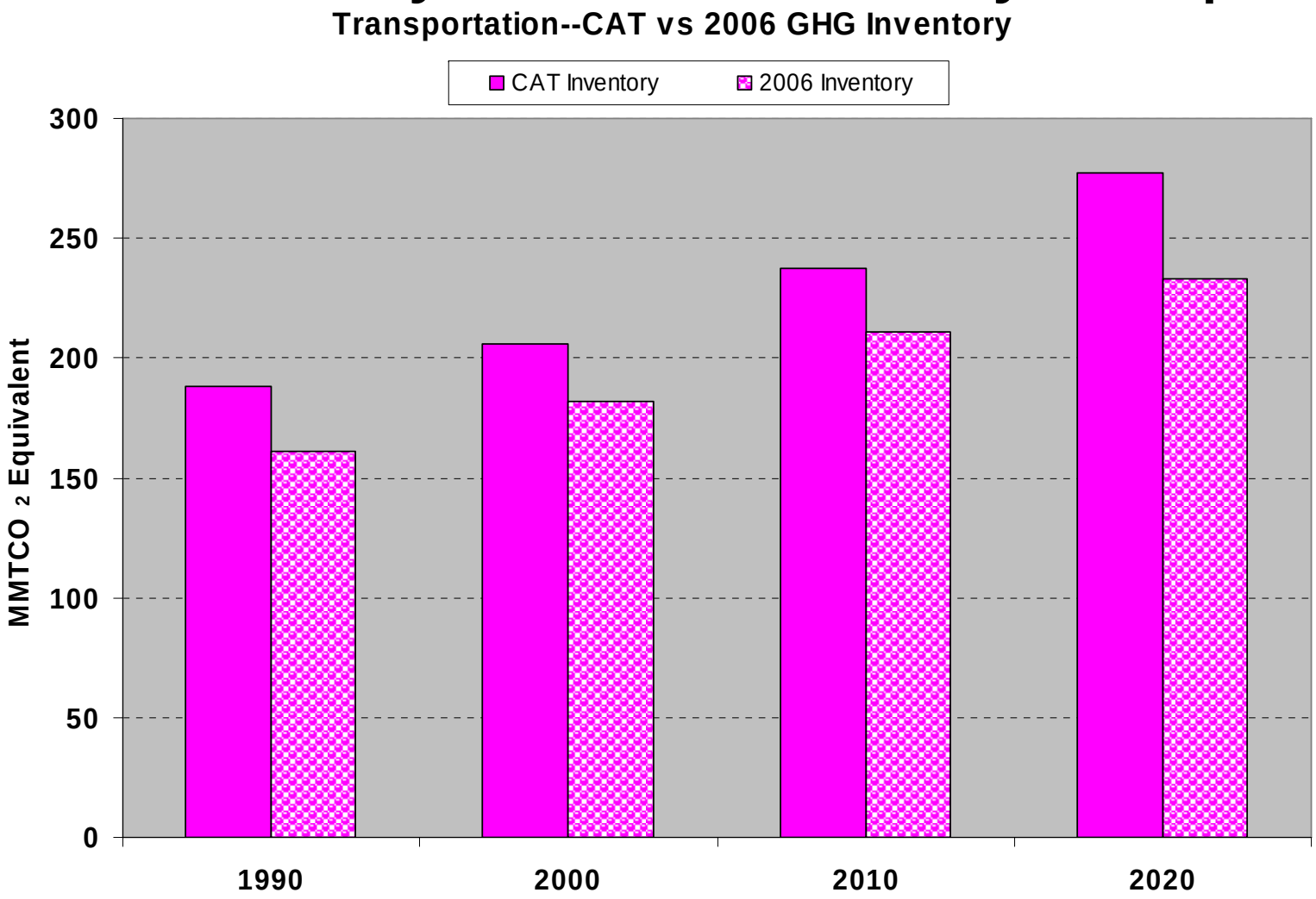

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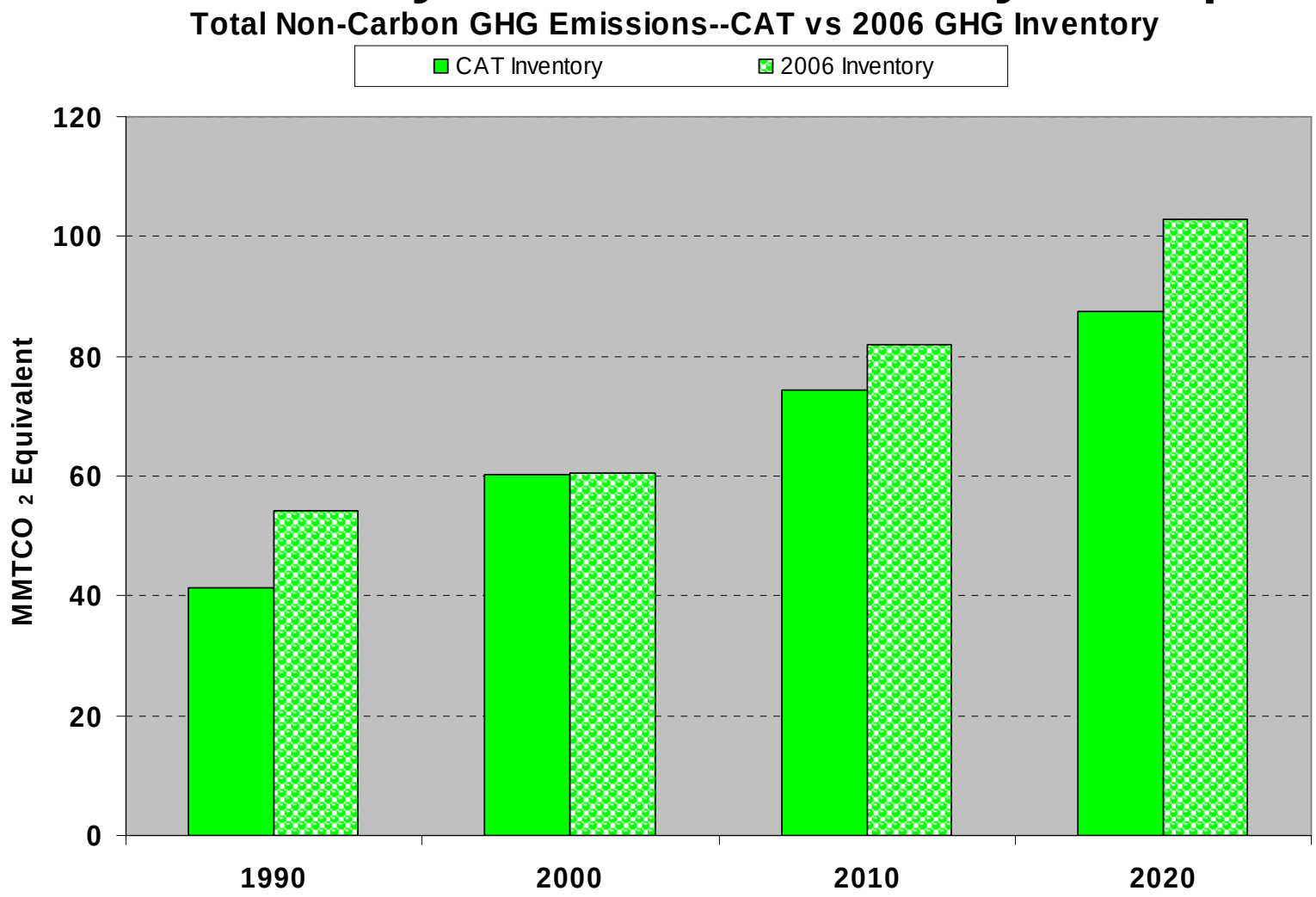

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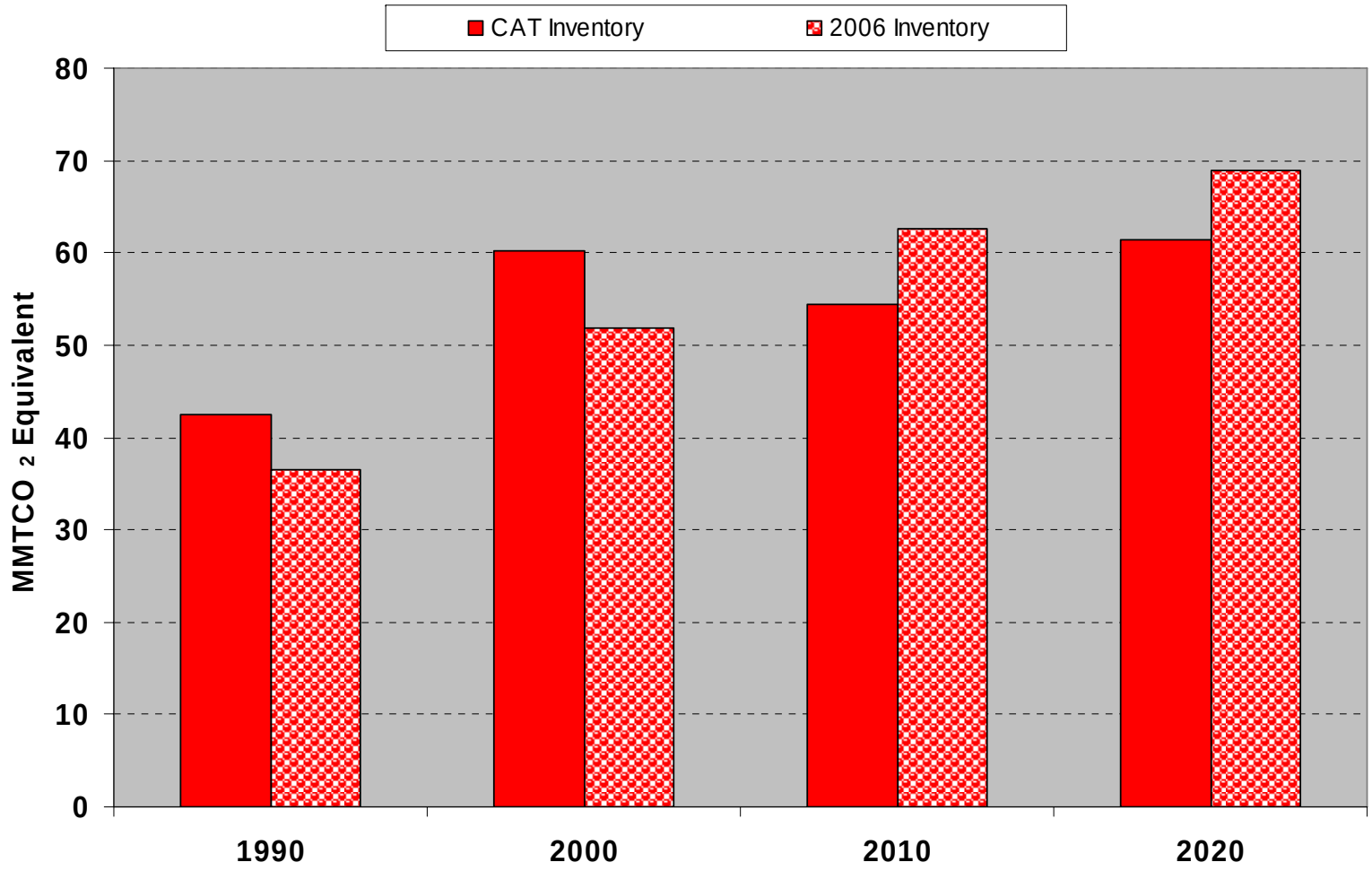

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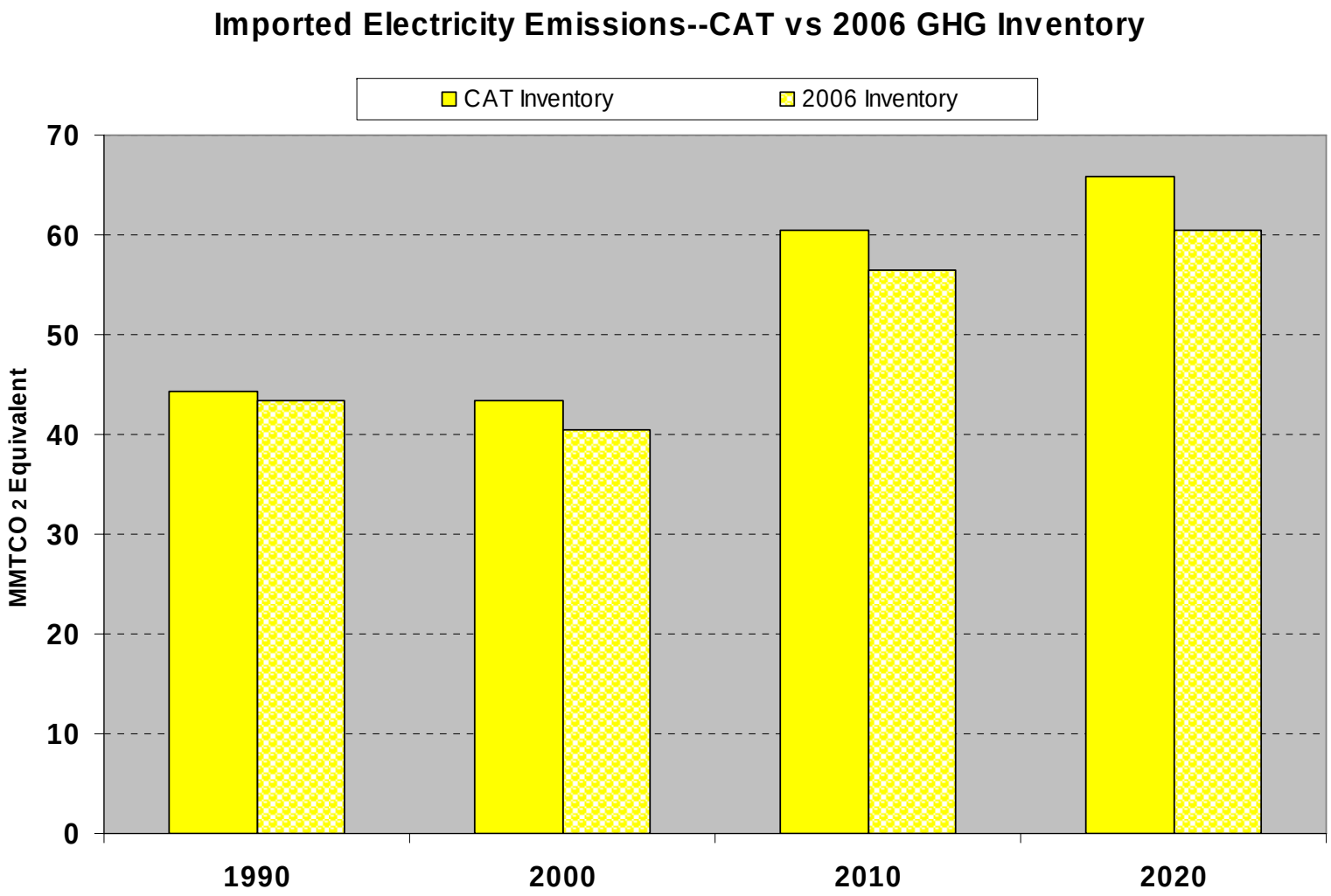

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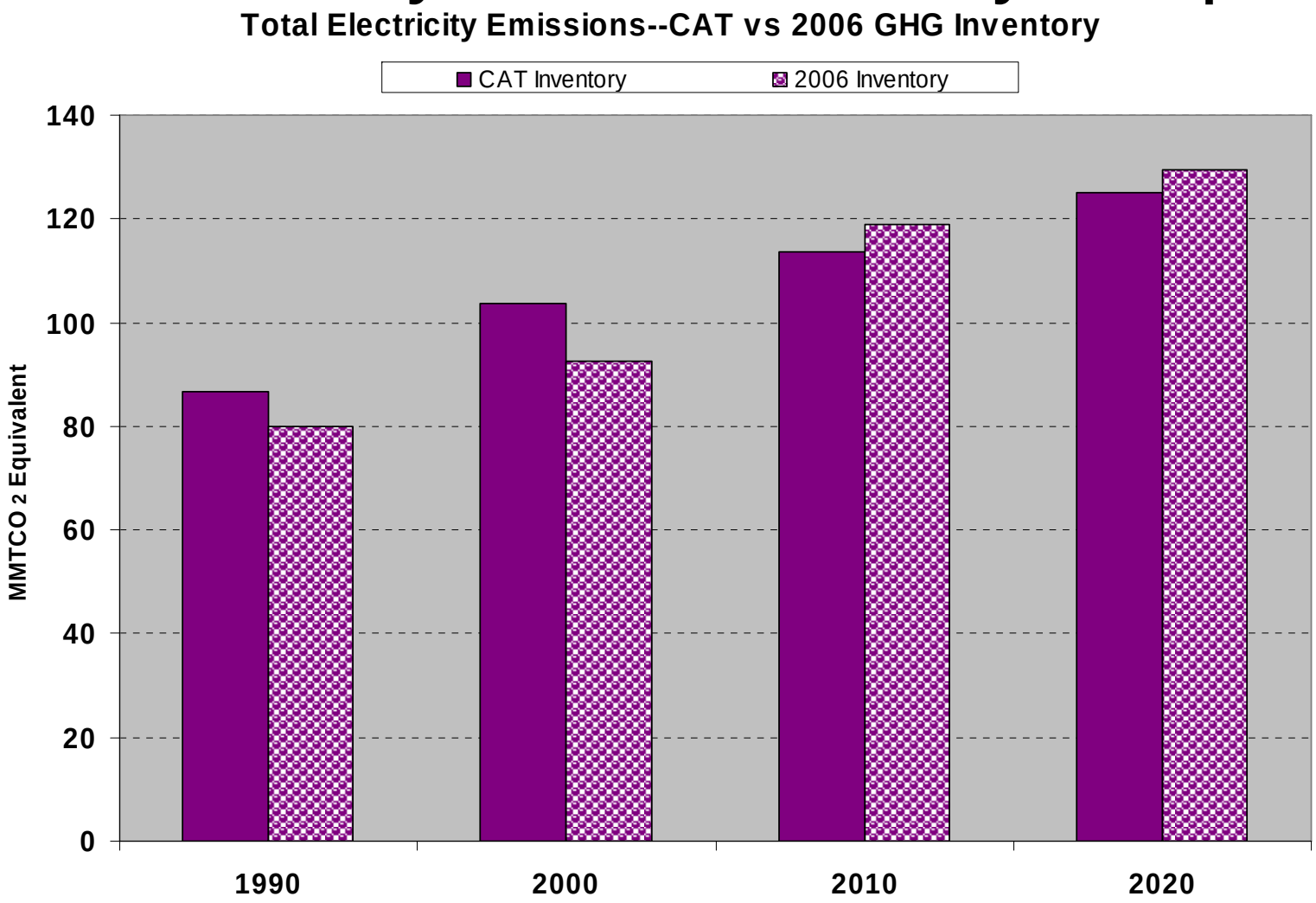

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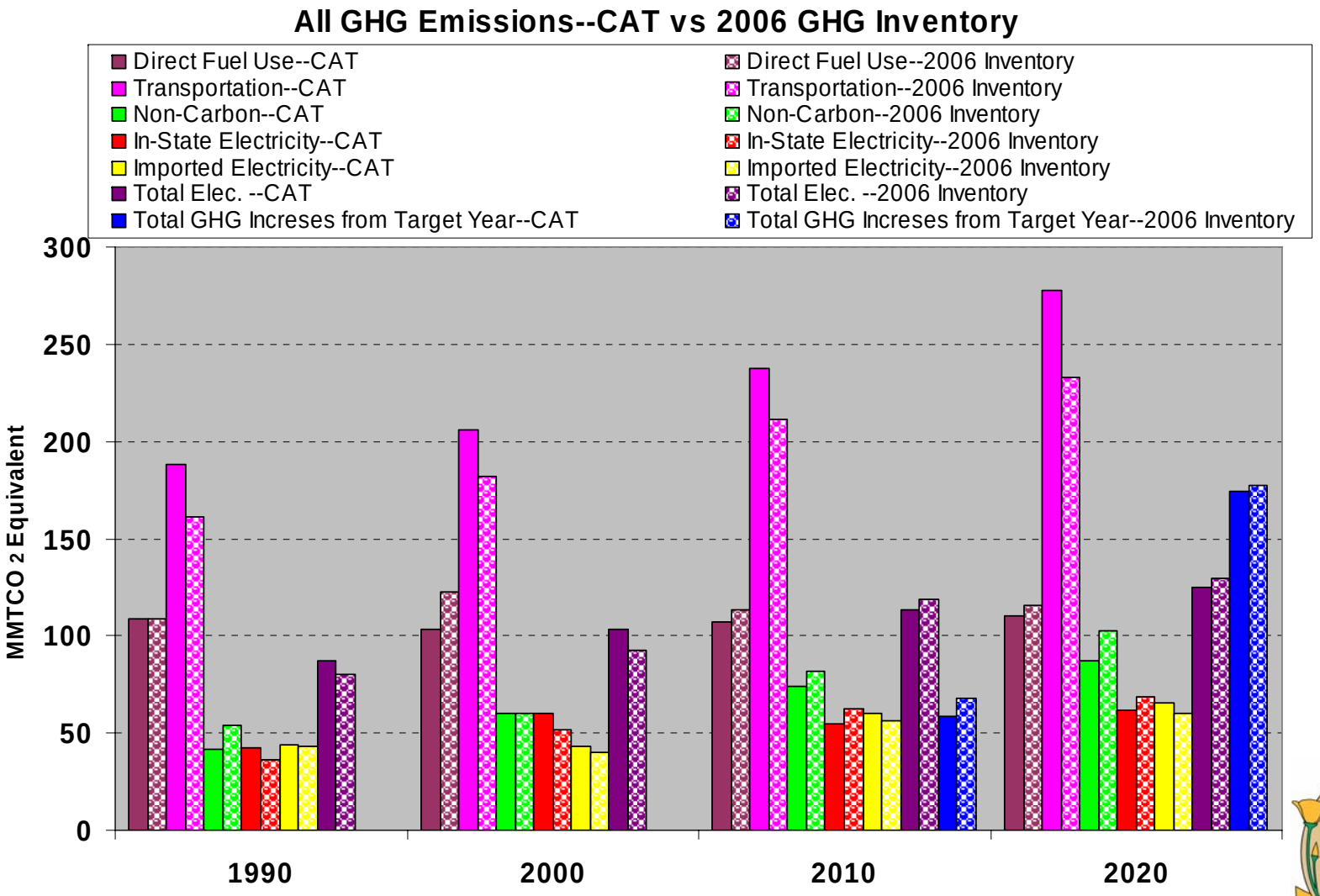

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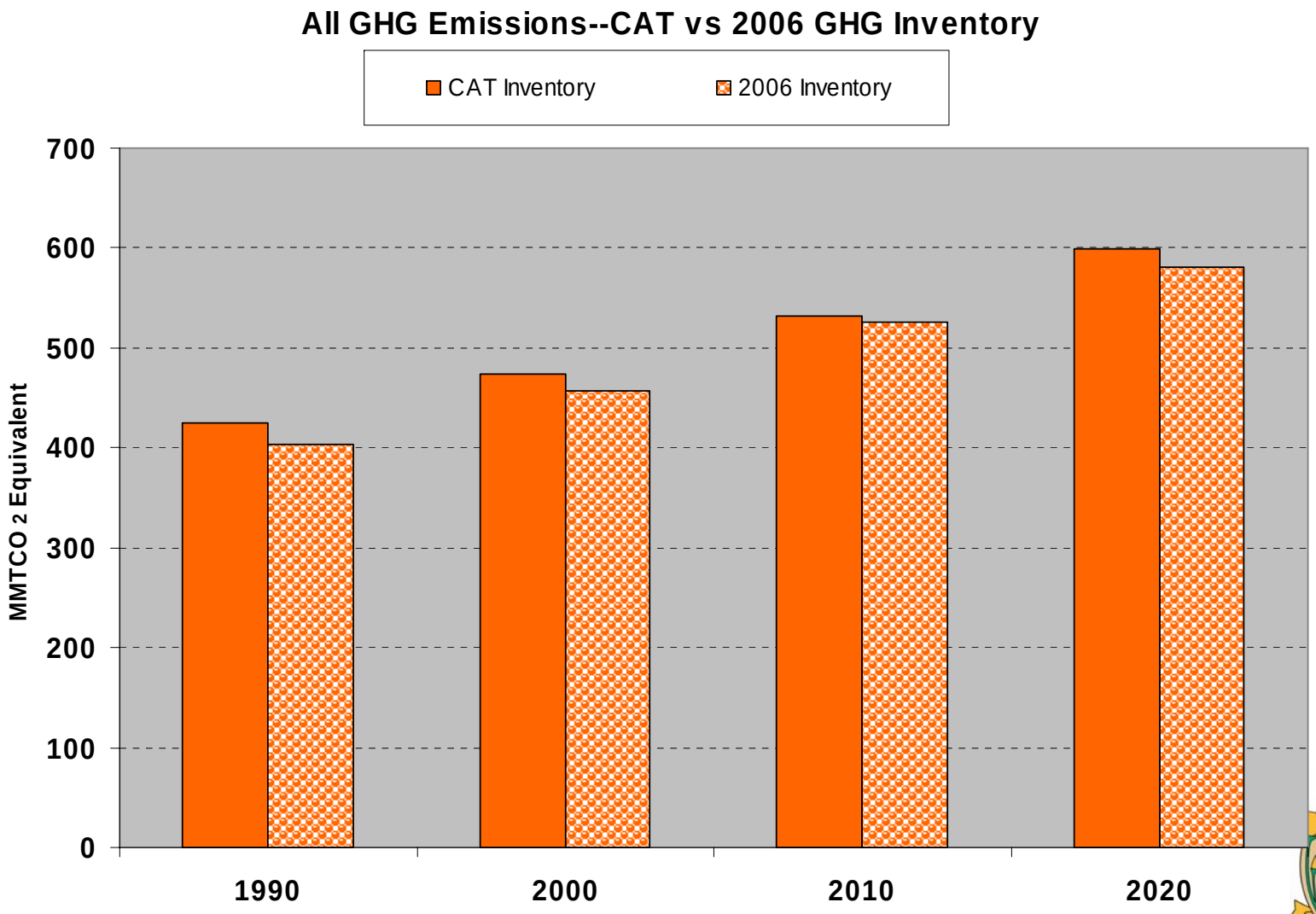
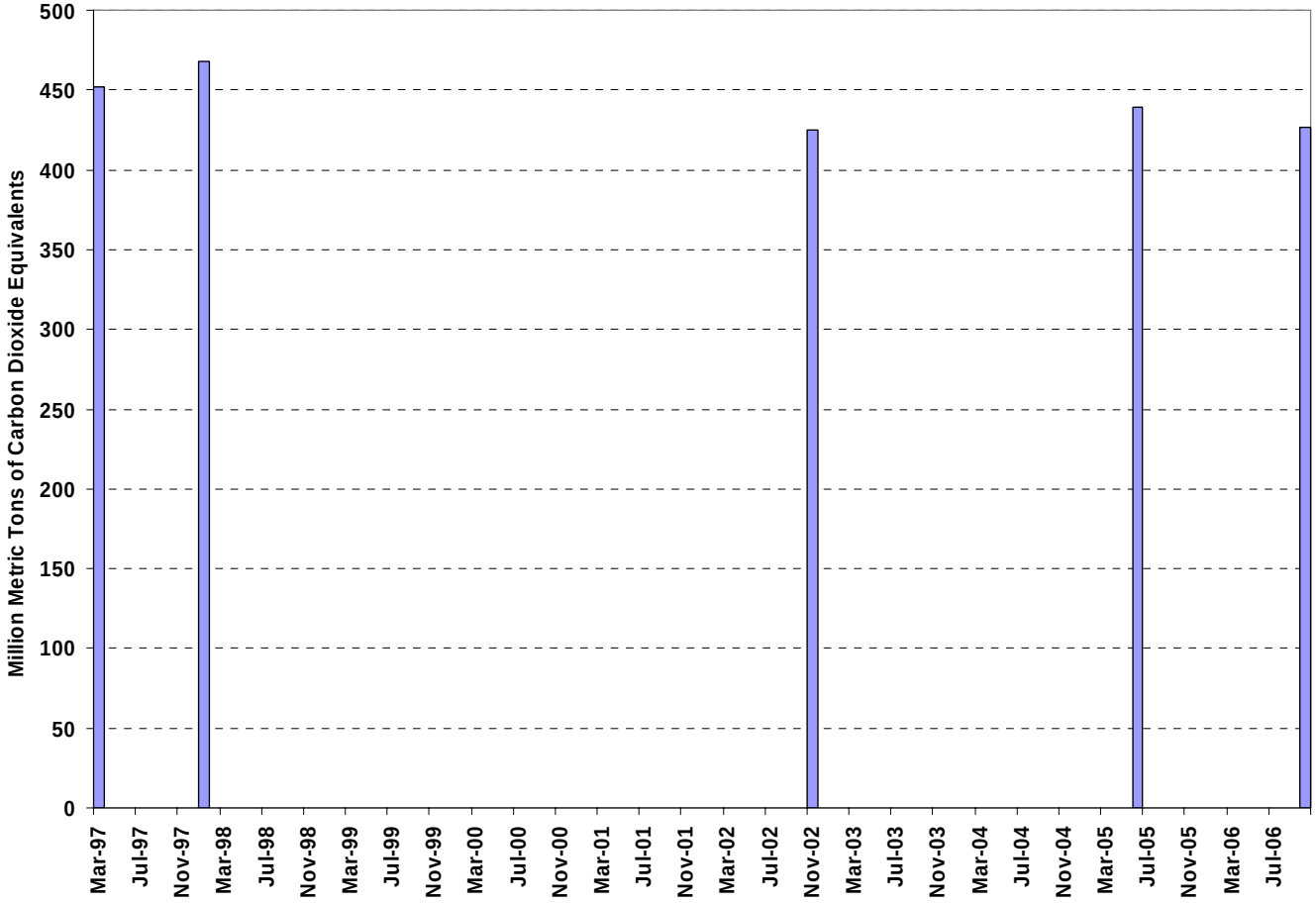
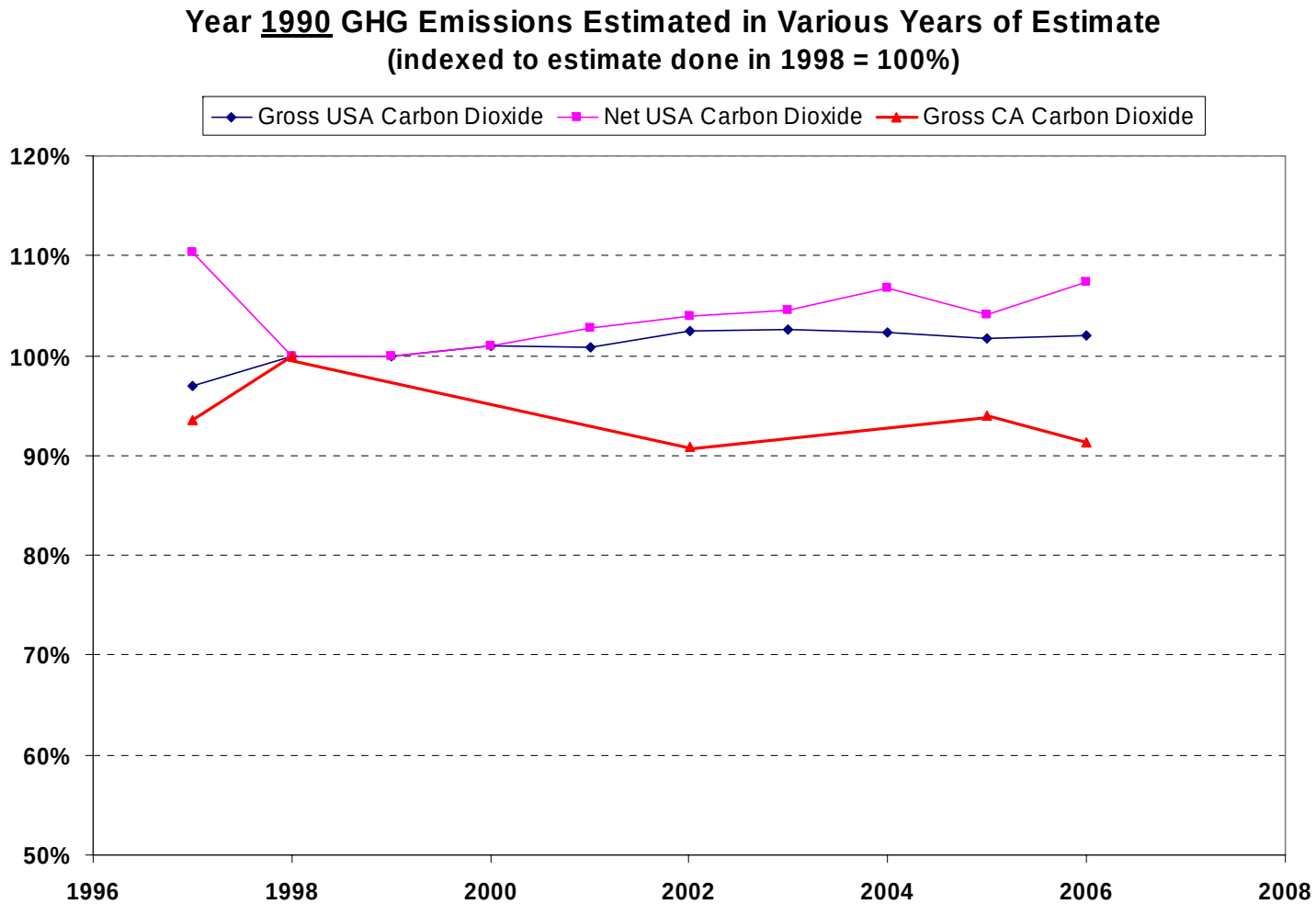


GHG Inventory Recalculations

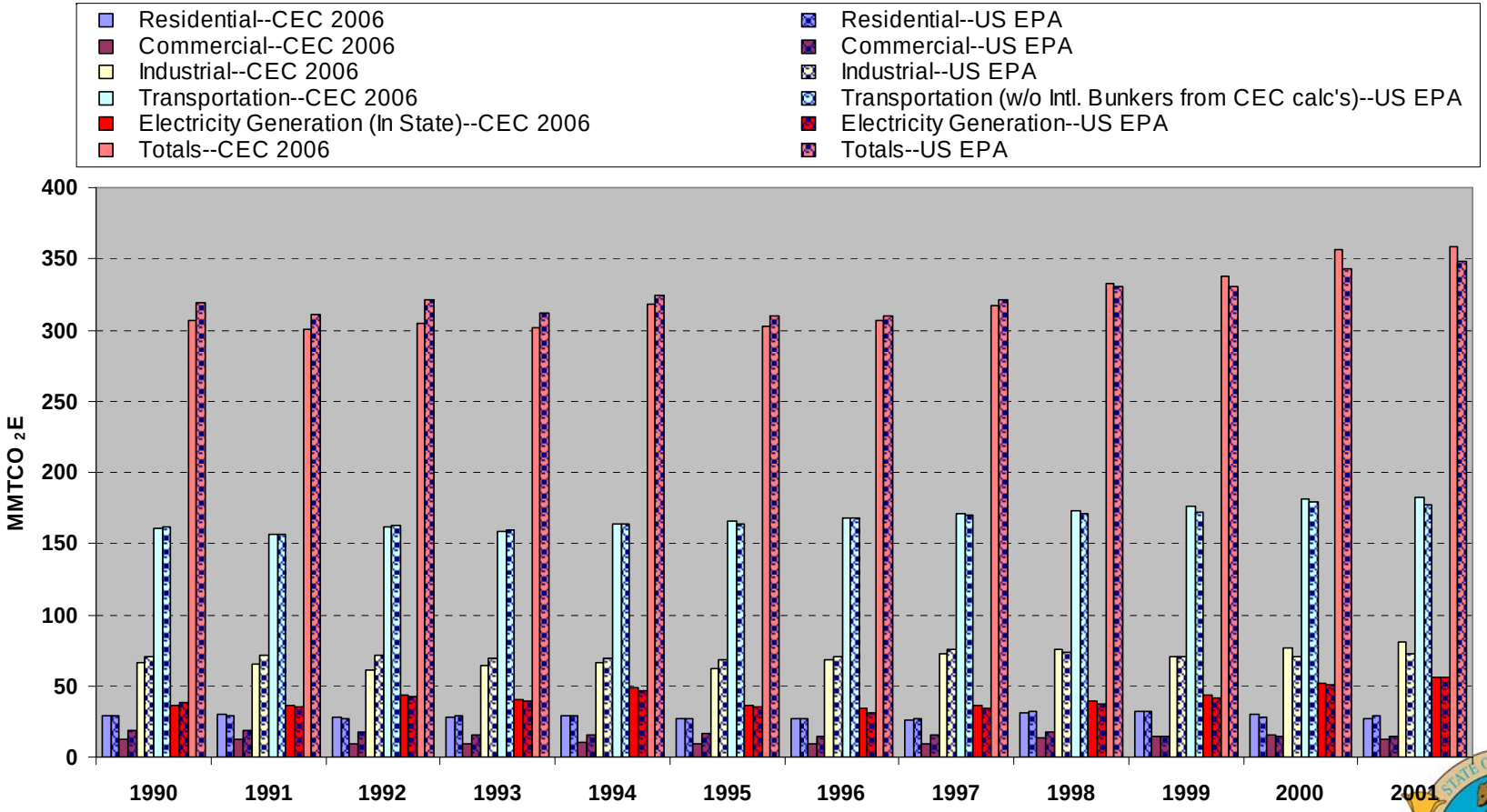
Various Vintages of Gross GHG Estimates for 1990



1990-2004 GHG Inventory Recalculations



2006 GHG Inventory to US EPA CA Inventory Comparison (fossil fuels only)



Source: http://yosemite.epa.gov/OAR/globalwarming.nsf/UniqueKeyLookup/RAMR6E9KJT/$File/CO2FFC_2001.xls