



AB 32: The Global Warming Solutions Act of 2006

*10th LEA/CIWMB
Partnership Conference
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**James Goldstene
California Air Resources Board**



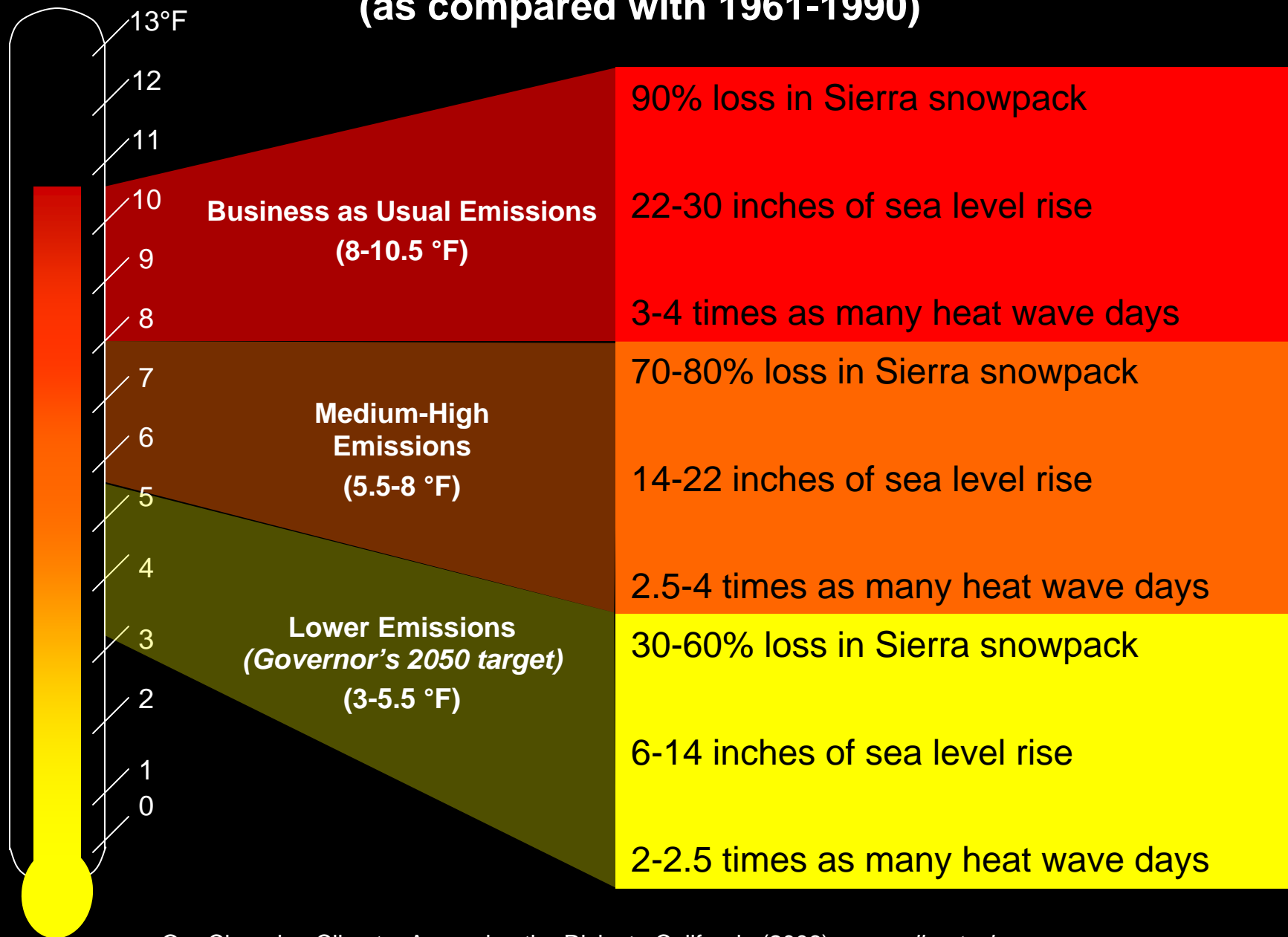
Global Warming Impacts and Sources



Projected Global Warming Impacts in California

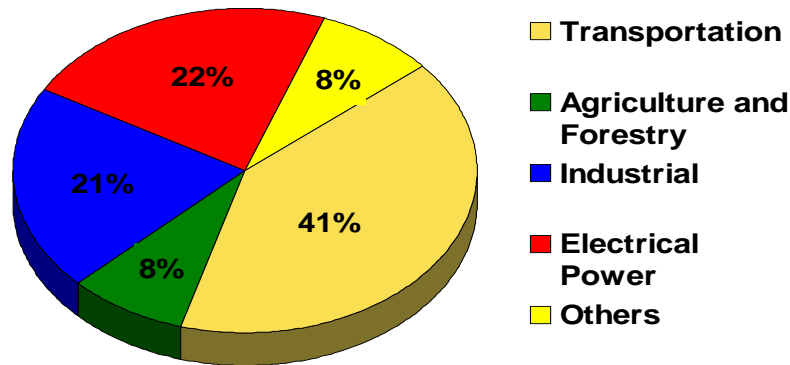
- 75% loss in snow pack
- 1-2 foot sea level rise
- 70 more extreme heat days/year
- 80% more 'likely ozone' days
- 55% more large forest fires
- Twice the drought years

Projected Global Warming Impact on California, 2070-2099 (as compared with 1961-1990)

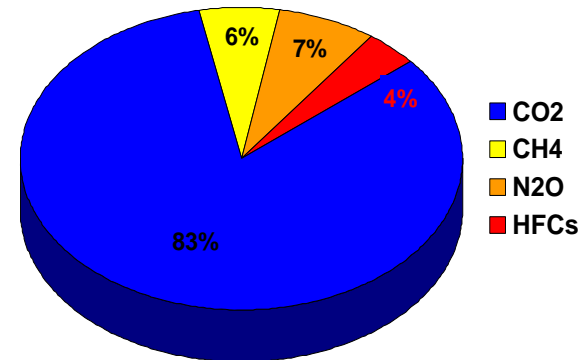


California GHG Emissions

GHG EMISSION SOURCES
[~500 MMT CO₂ eq]



GHG EMISSIONS BY TYPE



CO₂, N₂O



CO₂, CH₄, N₂O



CO₂



CO₂

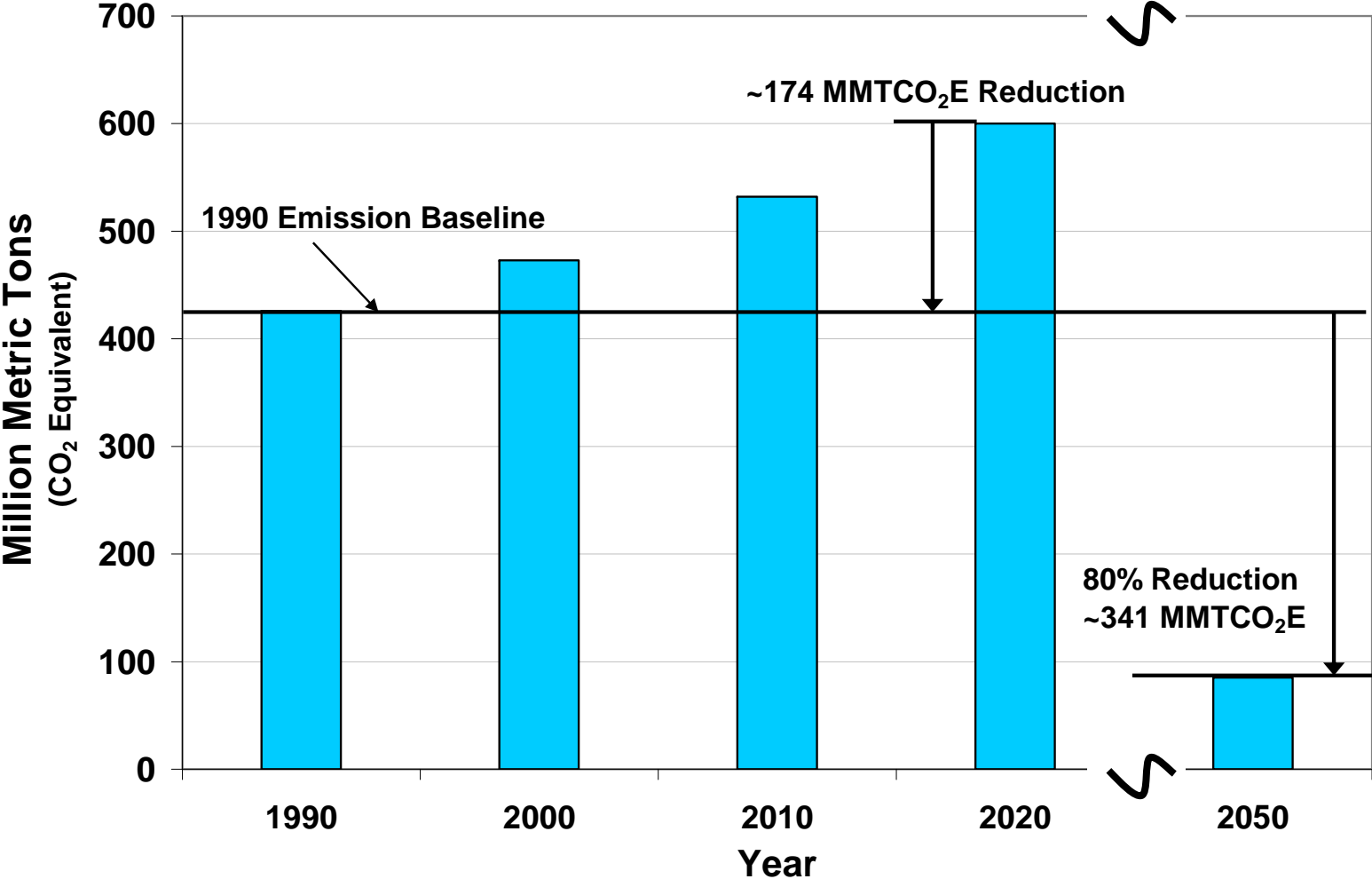


HFCs

Magnitude of the Challenge

California's GHG Emission Inventory

CAT Report Emissions

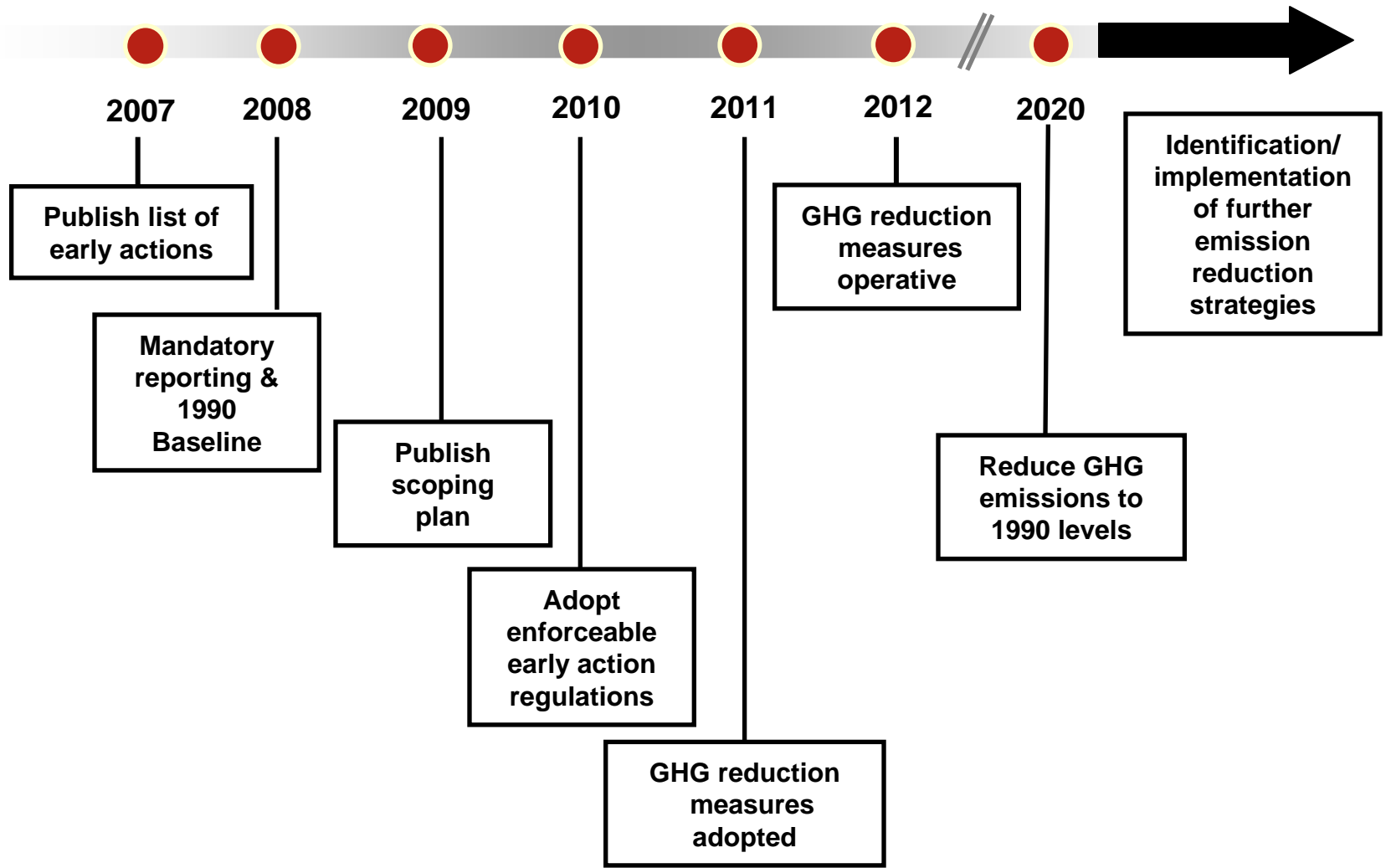




AB 32 Implementation Timelines



California Global Warming Solutions Act of 2006 (AB 32)





AB 32 Implementation

| | |
|----------------|--|
| Oct 2007 | Board Hearing - Early Action Measures |
| Nov 2007 | Board Hearing - 1990 baseline |
| Nov 2007 | Scoping Plan Structure Workshop |
| Dec 2007 | Board Hearing - Mandatory Reporting Reg. |
| Dec/Jan 2007 | Sector-based workshops on measures and tools |
| Mar 2008 | Workshop on scenarios |
| June 2008 | Draft Scoping Plan released |
| June/July 2008 | Scoping Plan Workshops |
| Oct 2008 | Final Scoping Plan Proposal released |
| Nov 2008 | Board Hearing - Scoping Plan |
| Jan 2009 | Early Action Measures must be adopted |
| Jan 2010 | Early Action Measures must be enforceable |



Near Term Activities



1990 Emissions Level and 2020 Limit

- Update statewide GHG emission inventory
- Statewide 1990 GHG emissions level establishes 2020 limit
- 1990 level and 2020 limit are based on statewide, aggregated emissions
- 2020 limit not sector specific
- Present to Board by January 1, 2008



Mandatory Reporting Requirements

- Reporting regulation approved by January 1, 2008
- Begin with sources contributing the most to statewide emissions
- Ensure rigorous accounting methods
- Account for all electricity consumed, including imports



AB 32 Early Action Provision

- Requires Board to identify a list of “discrete early action greenhouse gas reduction measures” by June 30, 2007
 - Must be enforceable by January 1, 2010
- Board identified 37 early action measures to be initiated in the 2007 – 2012 timeframe; 3 are “discrete”
 - Board directed staff to further evaluate stakeholder recommendations.
 - Staff recommends expanding list of early actions to 44 measures; 9 “discrete”



List of Discrete Early Actions

- Low Carbon Fuel Standard
- Reduction of HFC-134a from DIY motor vehicle air conditioning servicing
- Improved Landfill Methane Capture
- Restrictions on High GWP Refrigerants
- Green Ports (cold ironing)
- SmartWay Truck Efficiency
- Tire Inflation
- Reduction of PFCs from semiconductor industry
- SF6 reductions from non-electrical sector



Scoping Plan Process



Scoping Plan

- To develop the Plan, ARB staff will:
 - Compile possible reduction measures and tools
 - Build and analyze emission reduction scenarios
 - Develop recommended staff proposal
- Board must approve Scoping Plan by January 1, 2009



Scoping Plan Workshop Schedule

- | | |
|-----------|--------------------------------|
| Nov. 30 | Scoping Plan Roll Out Workshop |
| Dec. 14 | Sector-Based Workshop |
| Mid-Jan. | Tools Workshop |
| Late-Mar. | Scenarios Workshop |
| June/July | Workshops on the Scoping Plan |



Advisory Committees and Climate Action Team



Advisory Committees

- Environmental Justice Committee
- Economic and Technology Advancement Advisory Committee
- Market Advisory Committee
 - Committee presented recommendations at July 2007 Board meeting



Climate Action Team

- Created in June, 2005
- Agencies other than ARB are lead for important components
- Many GHG reduction activities cut across agency boundaries
- Climate Action Team overseeing coordinated effort at state level



Climate Action Team Subgroups

- Local Government/Smart Growth/Land Use
- State Fleet
- Agriculture
- Green Buildings
- Forestry
- Cement
- Landfills/Digester
- Water/Energy Efficiency

Next Steps

- Adopt mandatory reporting and 1990 baseline/2020 target
- Continue regulatory development process for the “discrete early actions” adopted by Board
- Continue development of other early actions
- Continue progress on scoping plan and other tasks

For More Information

- ARB Climate Change Web Site
 - <http://www.arb.ca.gov/cc/cc.htm>
 - Stay informed - sign up for list serves
- California Climate Change Portal
 - <http://climatechange.ca.gov>