



Sacramento Regional 8-Hour Ozone 2011 Reasonable Further Progress Plan

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What are reasonable further progress (RFP) requirements?

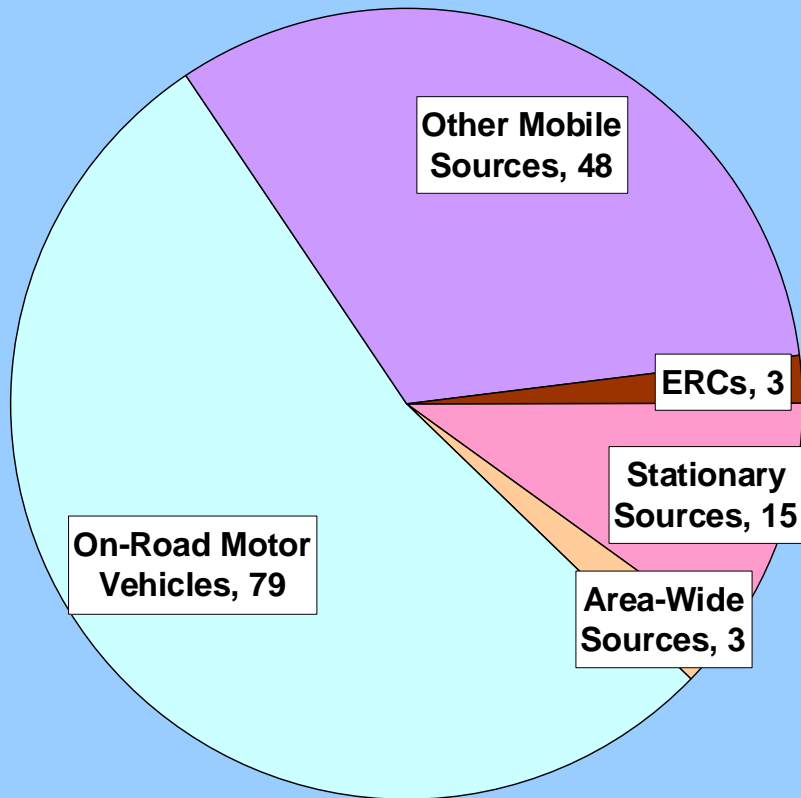
- **Reduce volatile organic compound (VOC) 3% per year**
- **Nitrogen oxide (NO_x) can be substituted for VOC**
- **Demonstrations made for specific year - 2011**
- **Shows 27% reduction for 9 years (2002-11)**

Recent EPA Actions

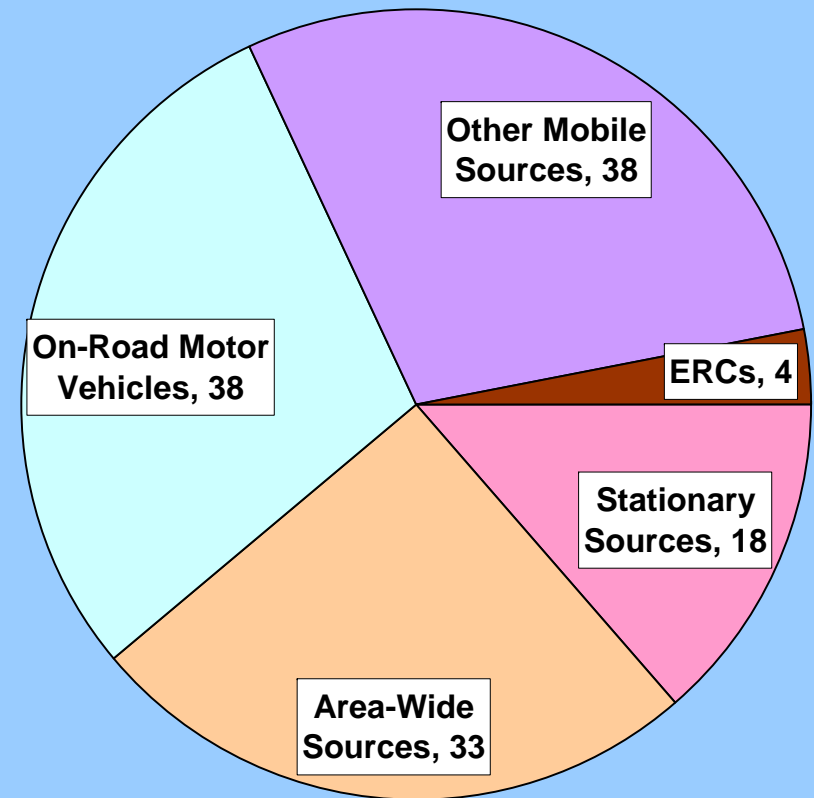
- Reasonable further progress plan was due 6/15/07
- EPA findings letter for failure to submit RFP plan.
- Sanctions clocks start
 - 18 month sanctions clock for increased offset ratio.
 - 24 month sanctions clock for highway funding.
- Clocks stop when EPA accepts complete plan
- EPA must approve RFP plan within 2 yrs or prepare FIP

NOx and VOC Emissions Inventory Forecast Sacramento Nonattainment Area

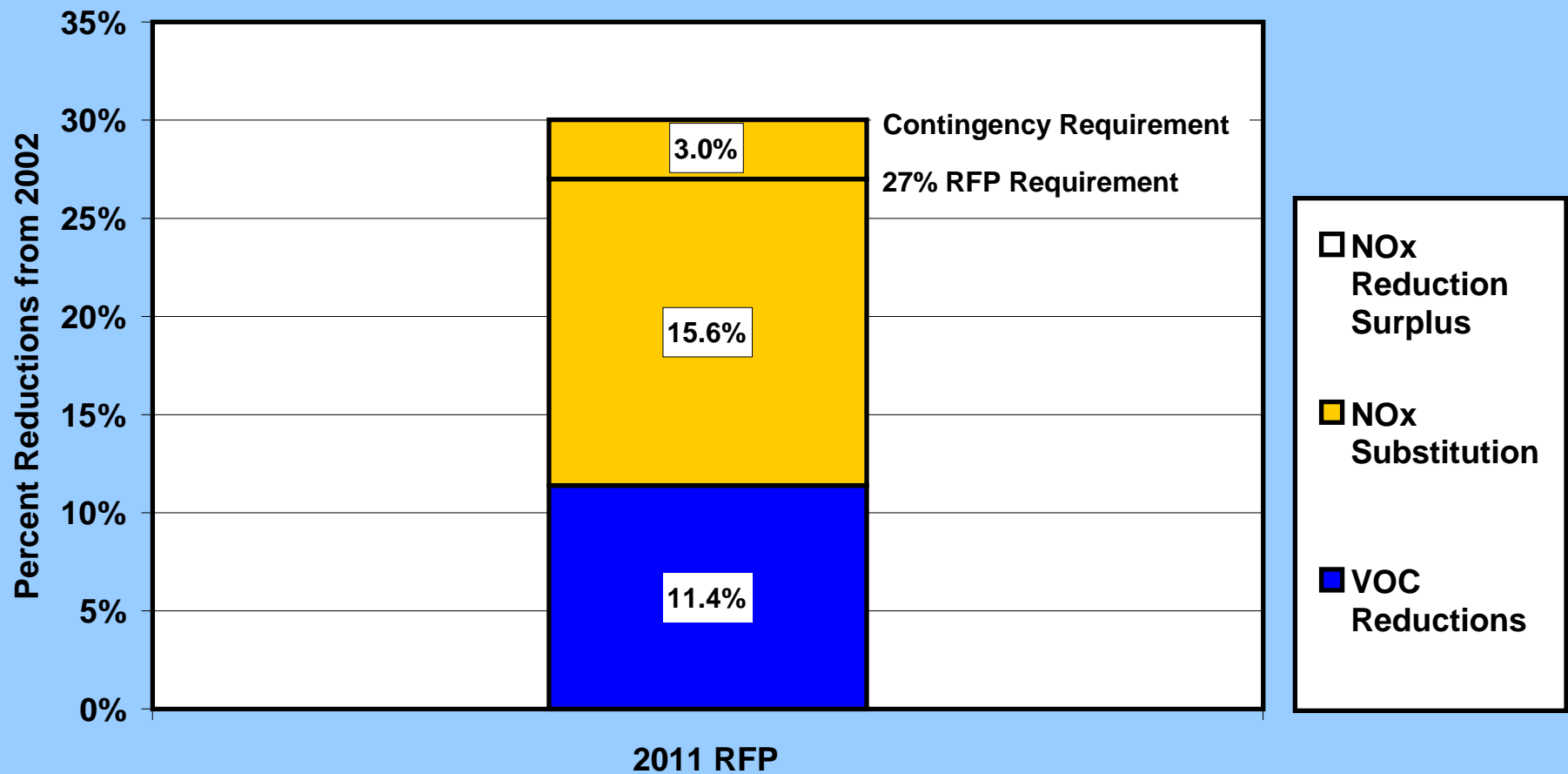
2011 NOx
149 tons/day



2011 VOC
131 tons/day



Reasonable Further Progress Demonstration for 2002 – 2011



Motor Vehicle Emissions Budgets

- **2011 budgets = Existing 2008 motor vehicle budgets (EMFAC2002)**
- **Budgets = 41 tons/day of VOC and 75 tons/day of NOx.**
- **Uses December 2007 vehicle activity data, EMFAC2007**
 - **NOx budget lower than inventory**
 - **VOC budget higher than inventory**
- **2011 budgets do not interfere with the RFP demonstration.**
- **Will update to include final MTP activity and state measures when attainment plan submitted**

Summary and Conclusions

- **EPA sanctions clock started for failure to submit RFP Plan by June 15, 2007.**
- **RFP Plan fulfills federal requirements to demonstrate reasonable further progress toward attaining 8-hour ozone standard through 2011.**
- **Establishes 2011 motor vehicle emission budgets at same level as 2008 budgets.**
- **Following resolution of state measure**

Federal 8-Hour Ozone Standard

July 1997	EPA set 8-hour ozone standard = 0.08 ppm
June 2004	Sacramento region designated nonattainment area
June 2007	Deadline for Attainment and Reasonable Further Progress Plan