



Ozone Carrying Capacity

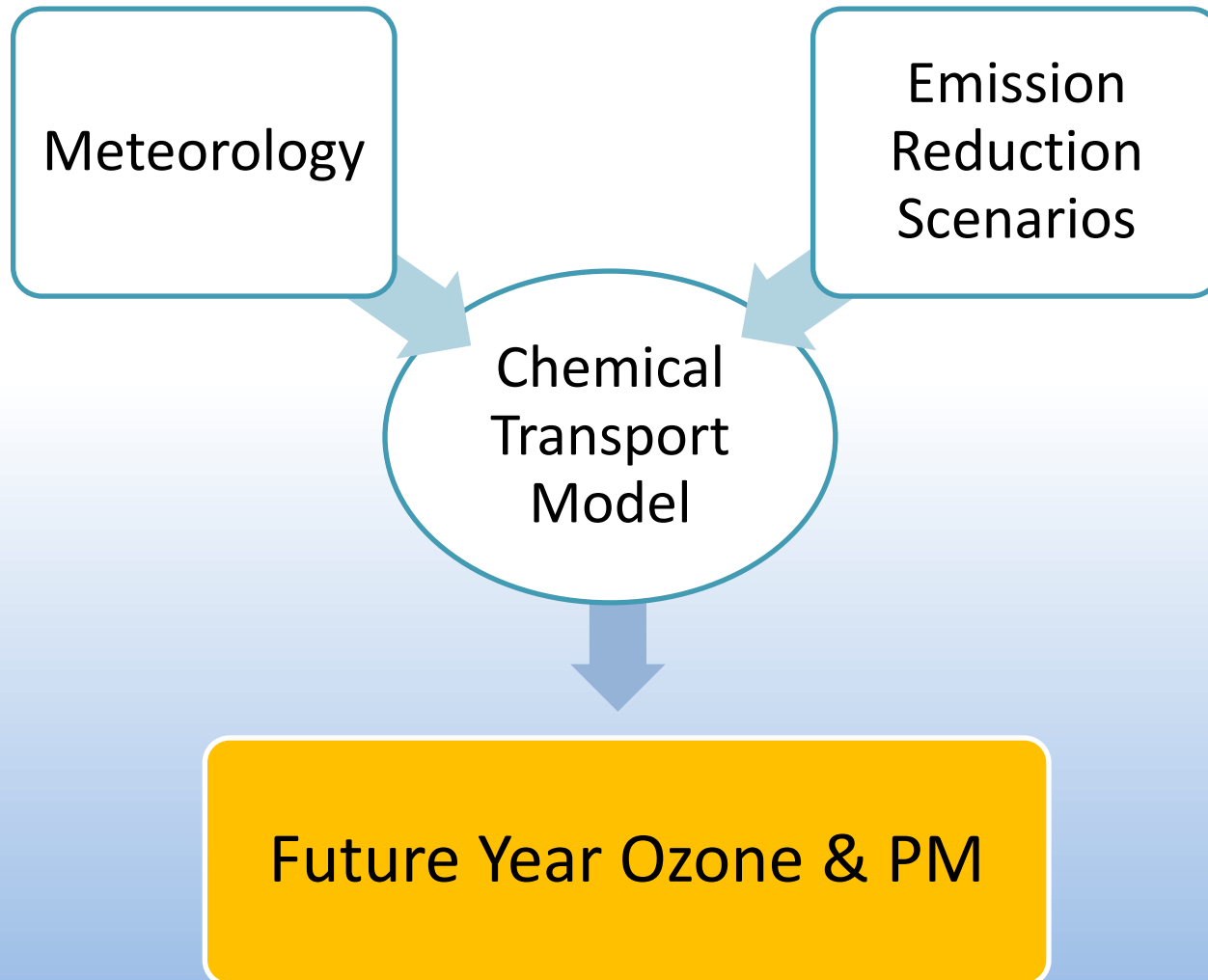
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Planning, Rule Development, and Area Sources
June 11, 2015

Cleaning The Air That We Breathe...

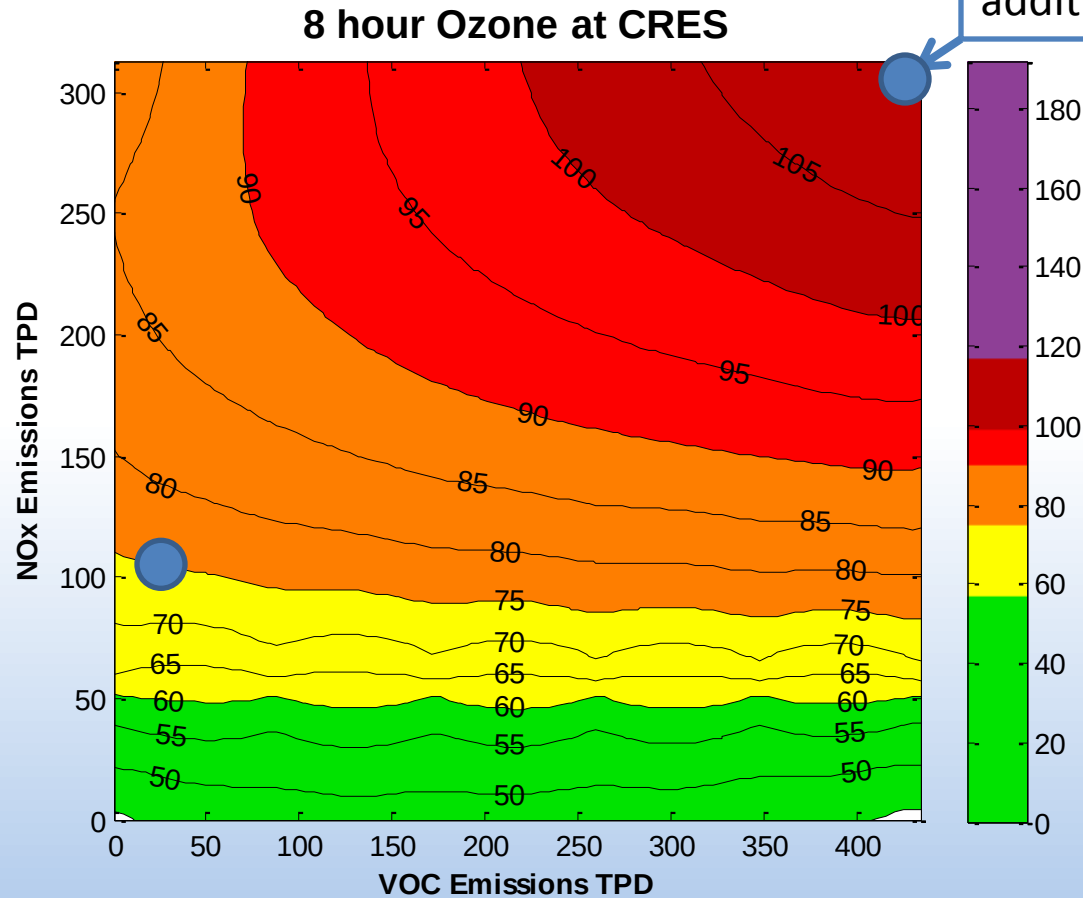
Estimating O₃ Carrying Capacity

- Carrying Capacity: Maximum allowable NO_x and VOC emissions to achieve Ozone standard

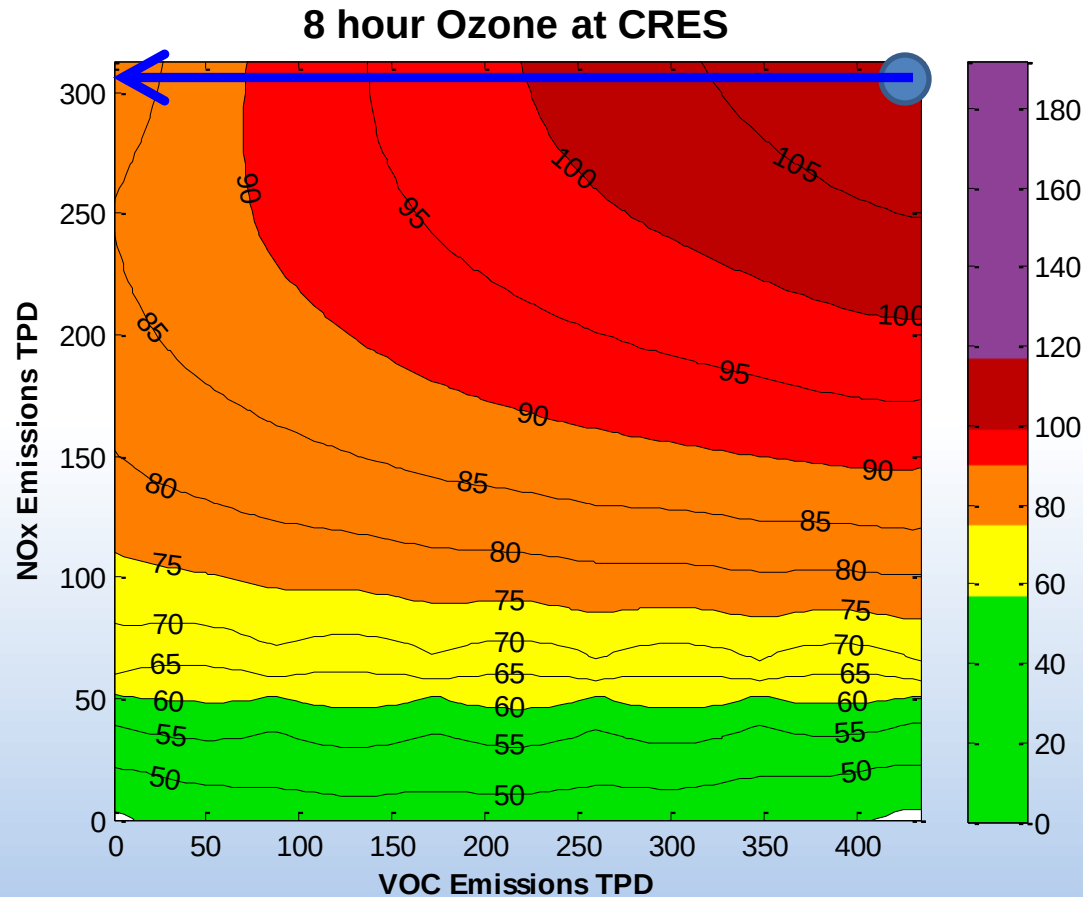
Estimating O3 Carrying Capacity



Ozone Isopleths at Crestline

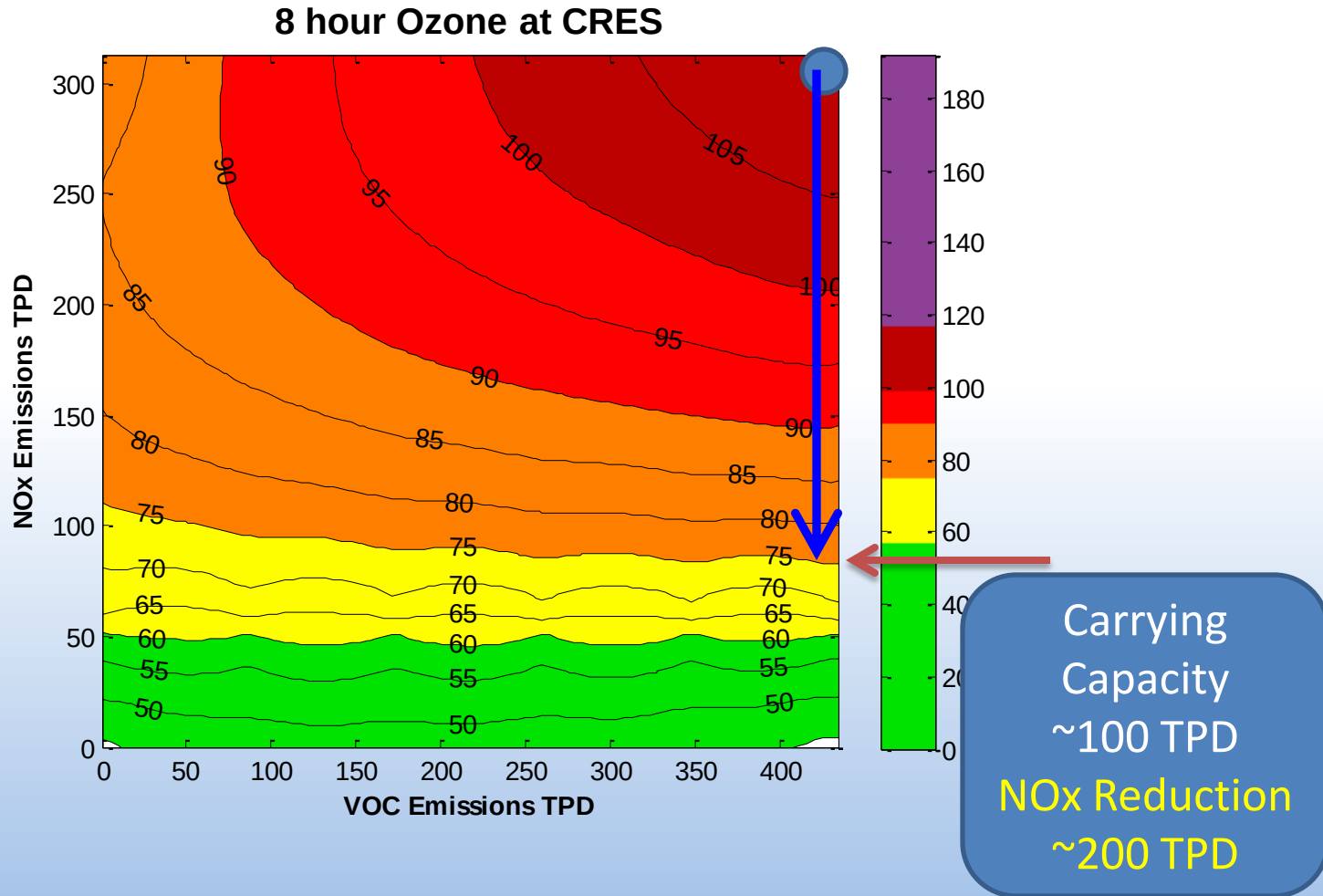


VOC only Control Strategy

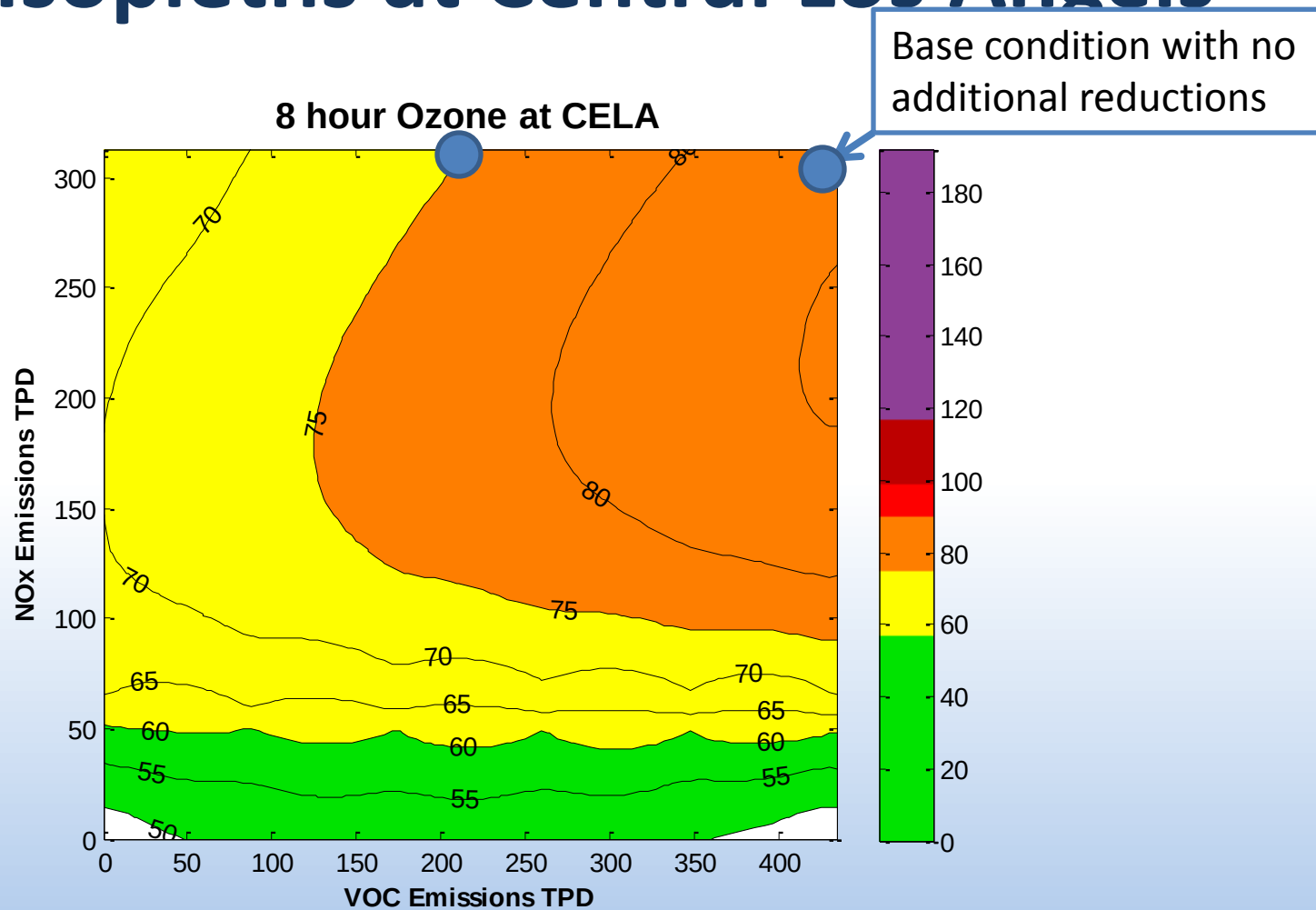


Cannot lead to 2008 Standard (75 ppb) level

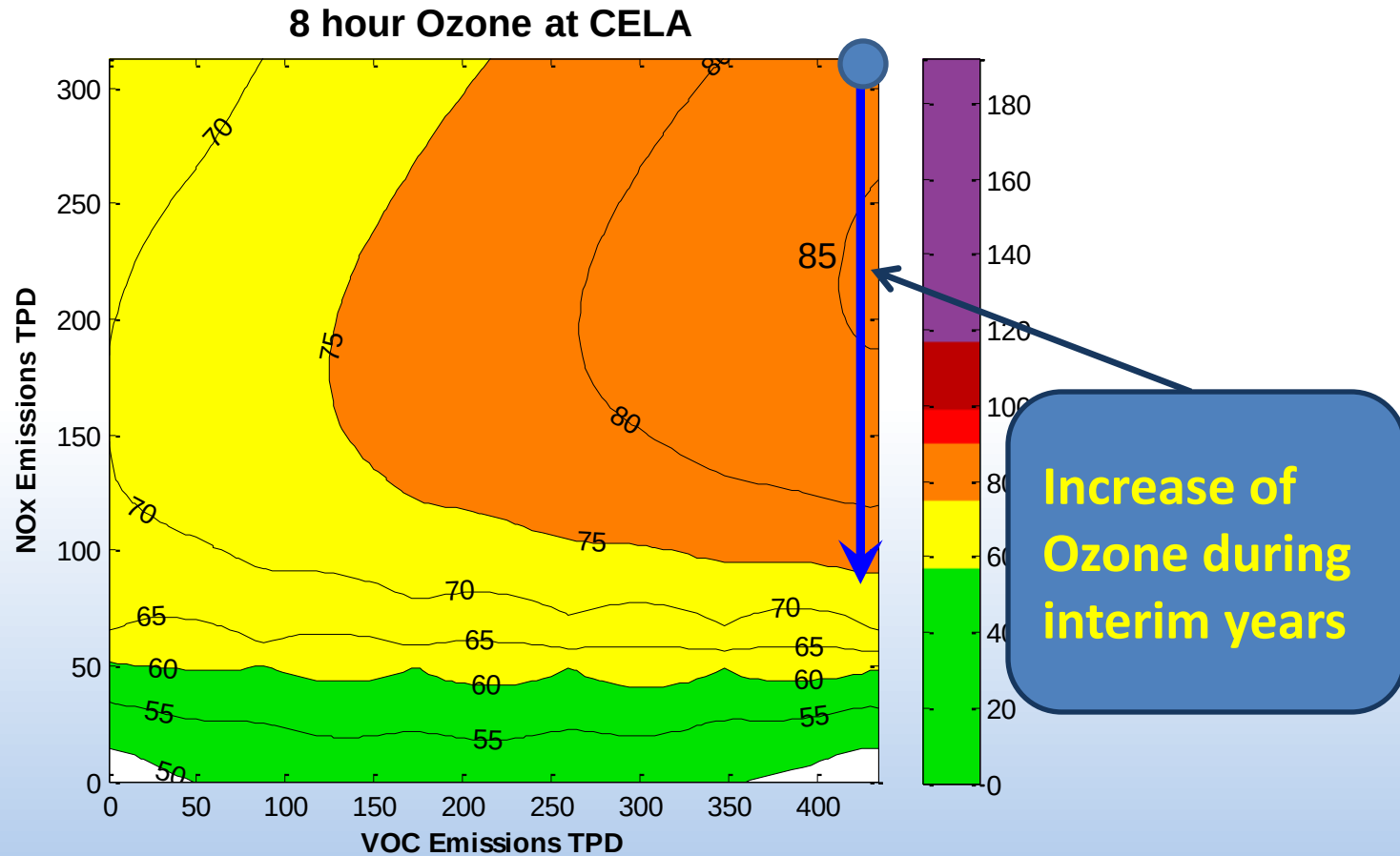
NOx Only Control Strategy



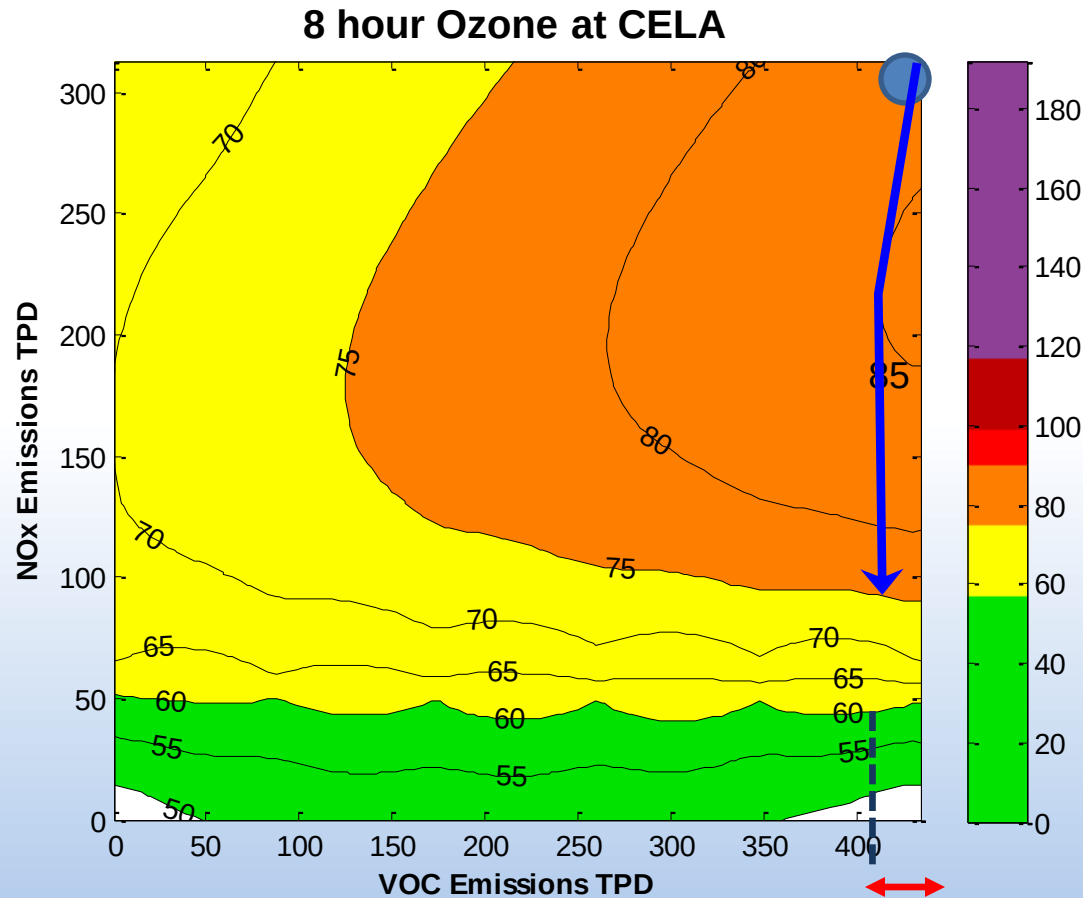
Ozone Isopleths at Central Los Angeles



NOx Control with No VOC Reduction

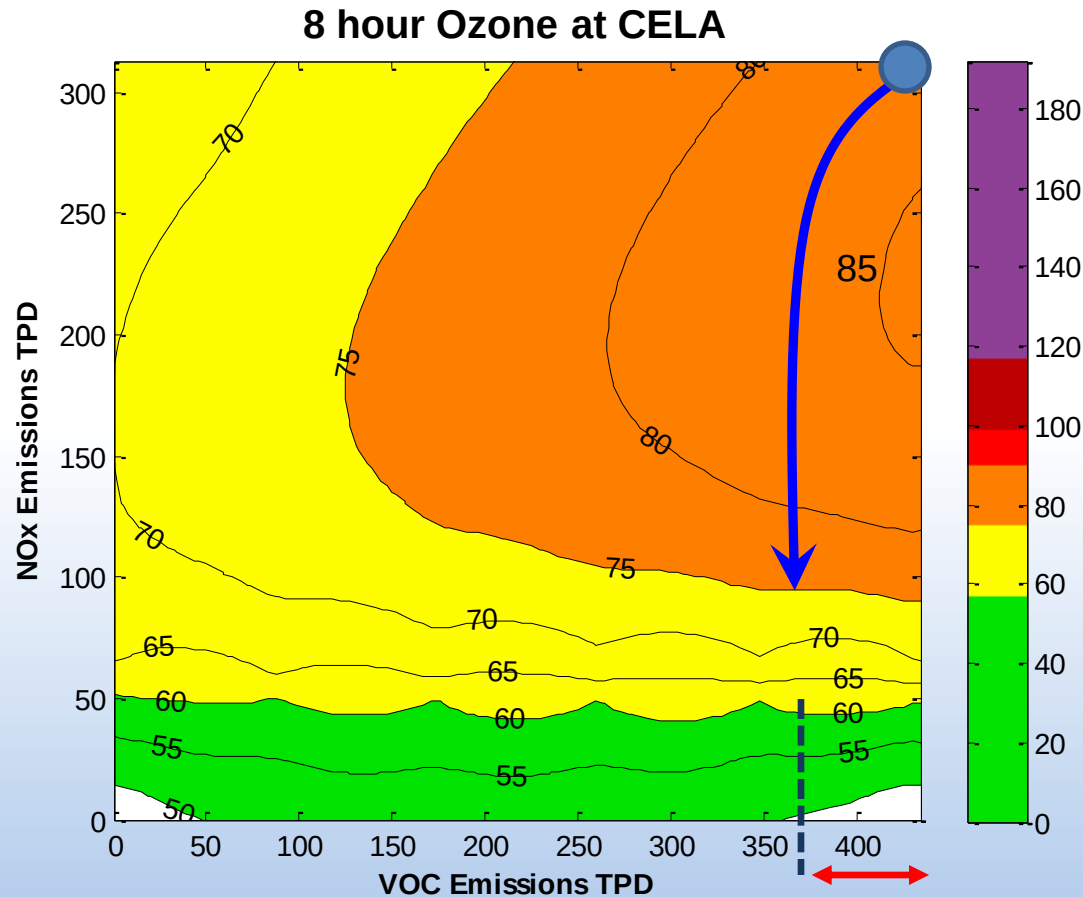


Avoid Interim O₃ Increase above 1997 standard



**VOC emissions required to avoid
the potential increase:
30-40 ton VOC reduction**

Avoid Potential Increase of O₃



**VOC emissions required to avoid
the potential increase:
70-100 ton VOC reduction**

Potential Pathways to Attainment

- VOC only control would not lead to the attainment.
- VOC reduction is needed to avoid interim O₃ increase during the course of the attainment