



**Edward J Blakely**

**Center for Sustainable Suburban Development**

**Los Angeles ~1952**



# Looking to a Sustainable Future

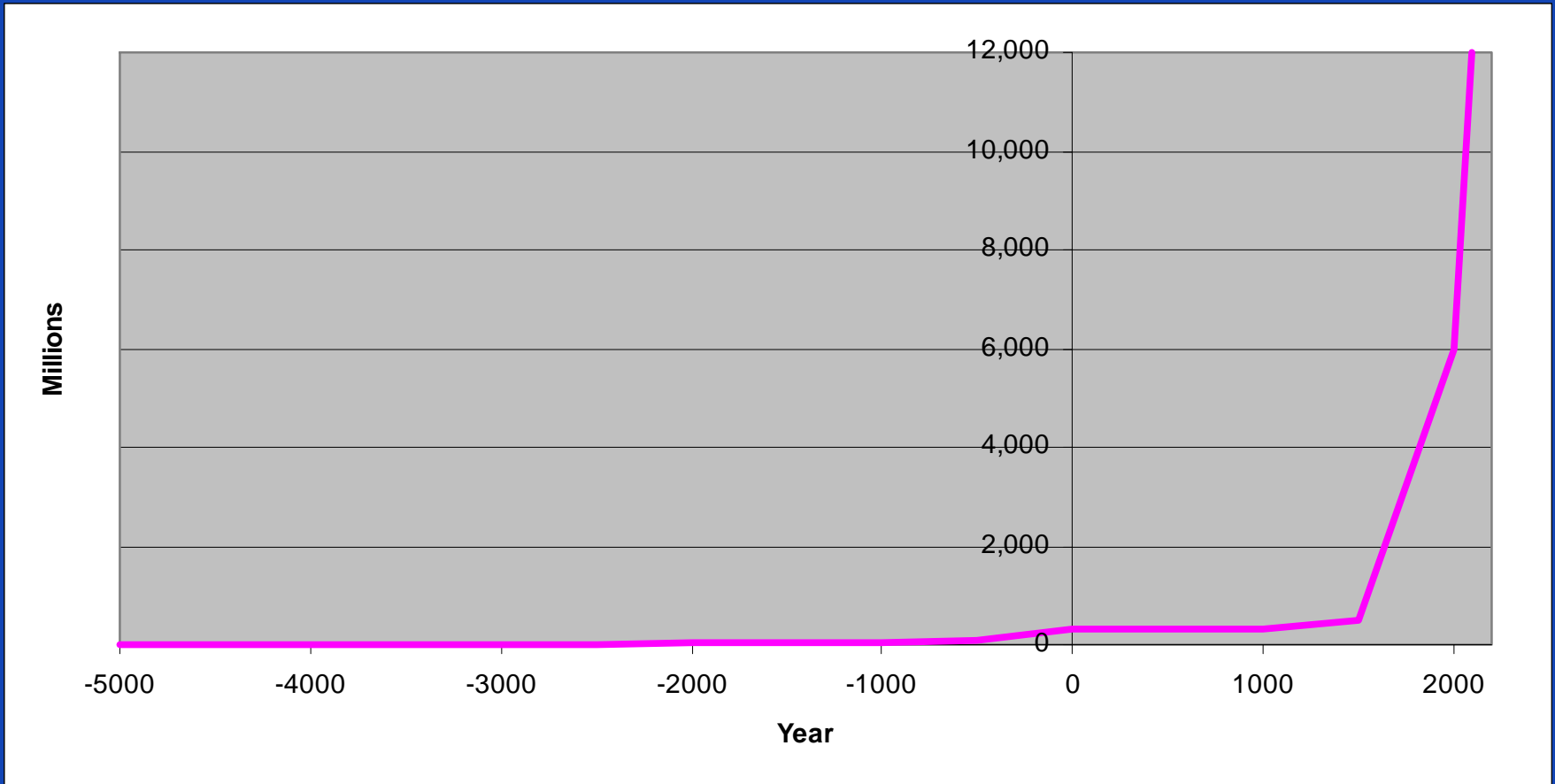
**Human Growth in a Finite World**



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# Estimated World Population



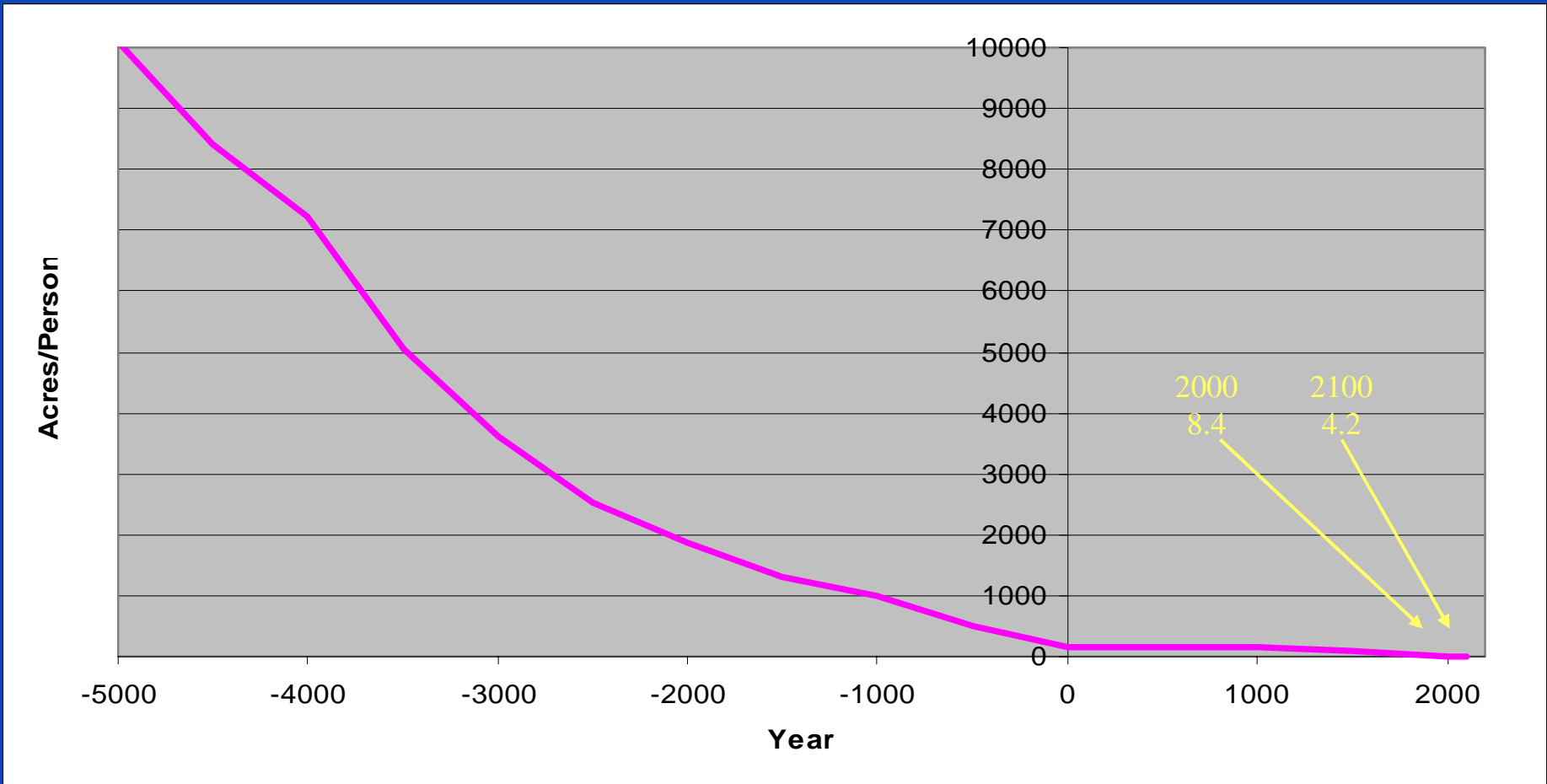
[[www.census.gov/ipc/www/worldhis.html](http://www.census.gov/ipc/www/worldhis.html)], [[www.popin.org/pop1998/4.htm](http://www.popin.org/pop1998/4.htm)]



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# Estimated Available Land Acres/Person



[[www.census.gov/ipc/www/worldhis.html](http://www.census.gov/ipc/www/worldhis.html)], [[www.popin.org/pop1998/4.htm](http://www.popin.org/pop1998/4.htm)]

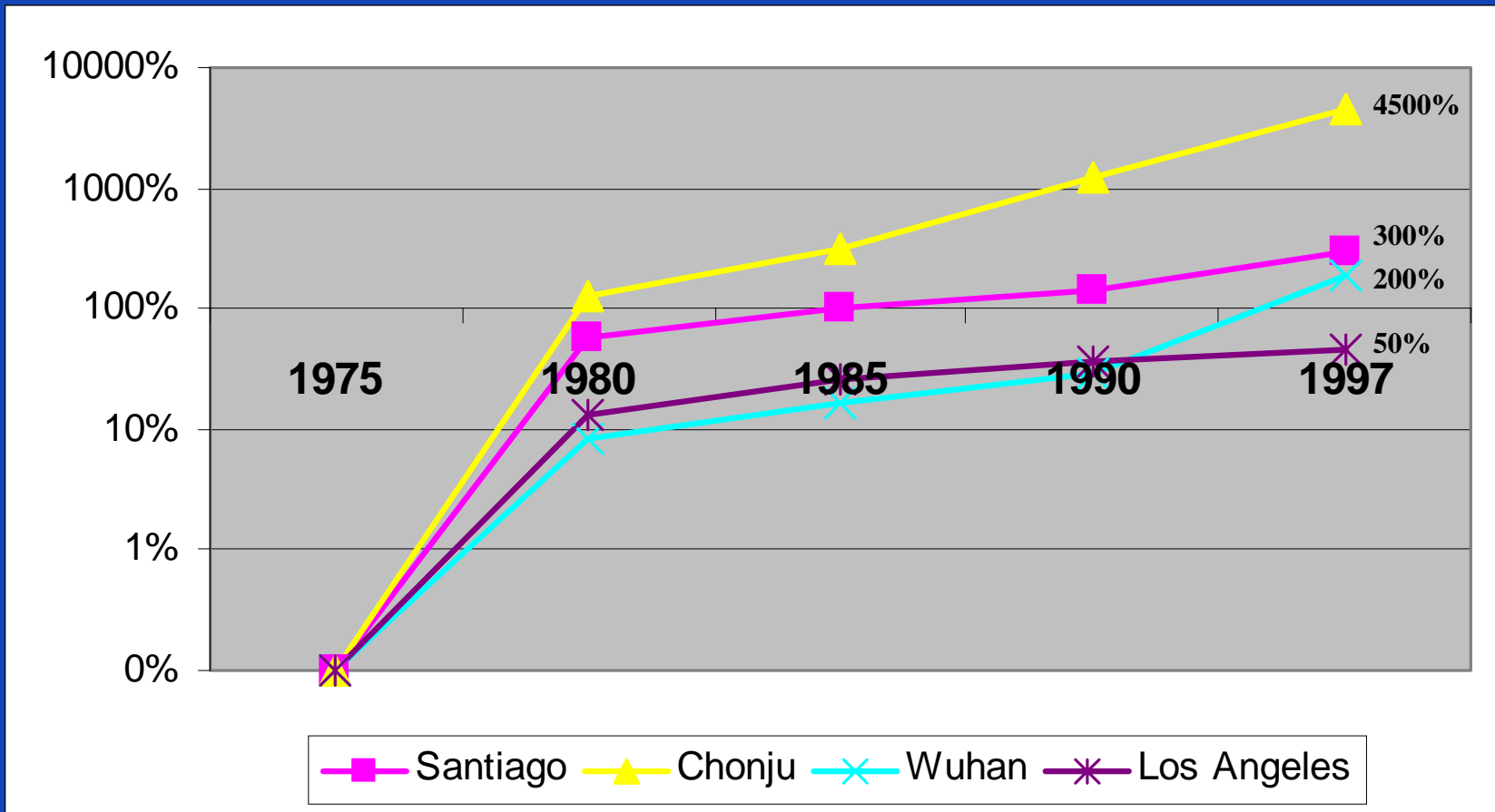
University of California at Riverside



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# Increase in Vehicles in Developing Areas Compared to 1975 (note: logarithmic scale)



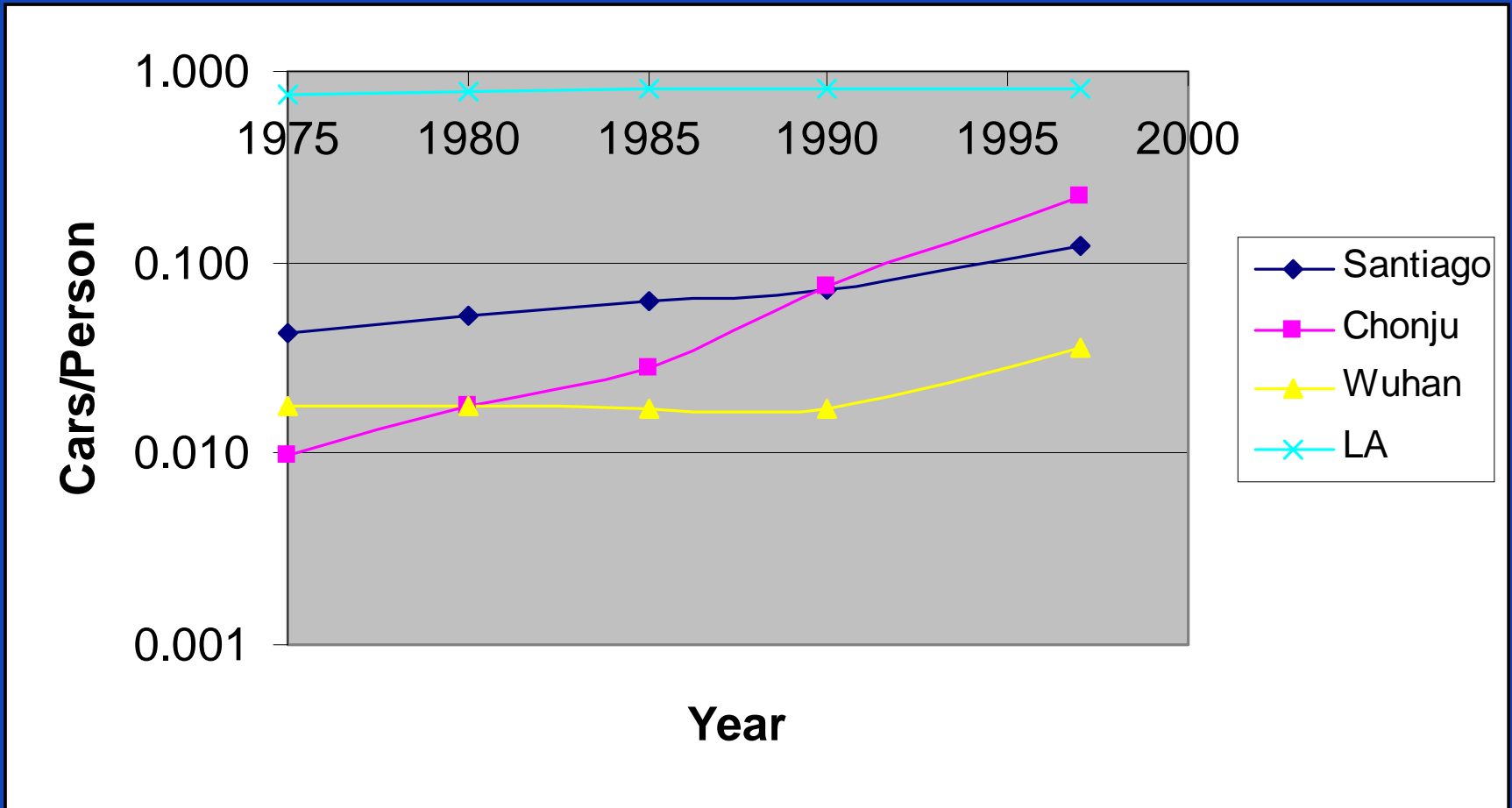


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# Vehicles Per Person In Selected Cities

(note: logarithmic scale)

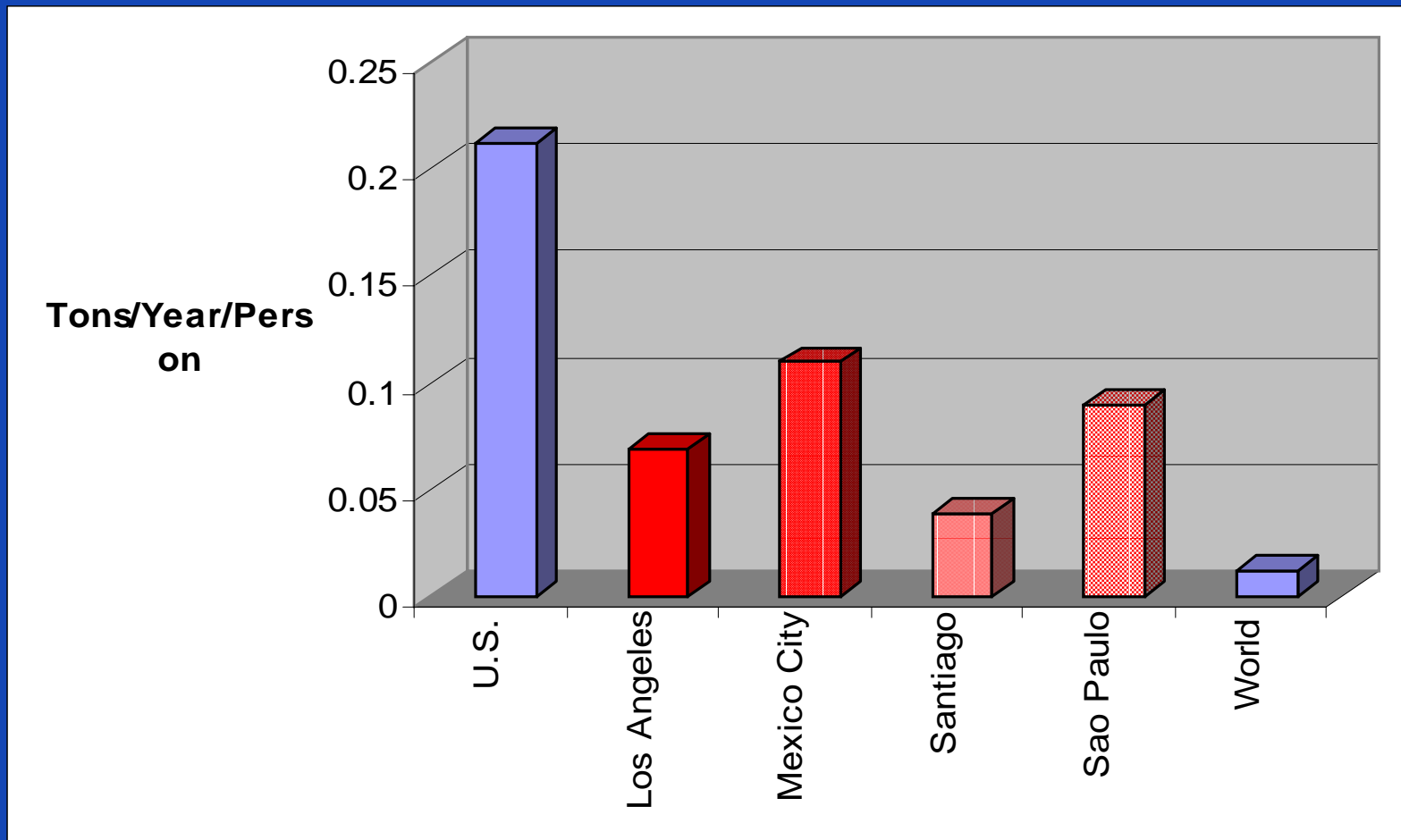




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# Criteria Pollutant Emissions/Person in USA and Worldwide

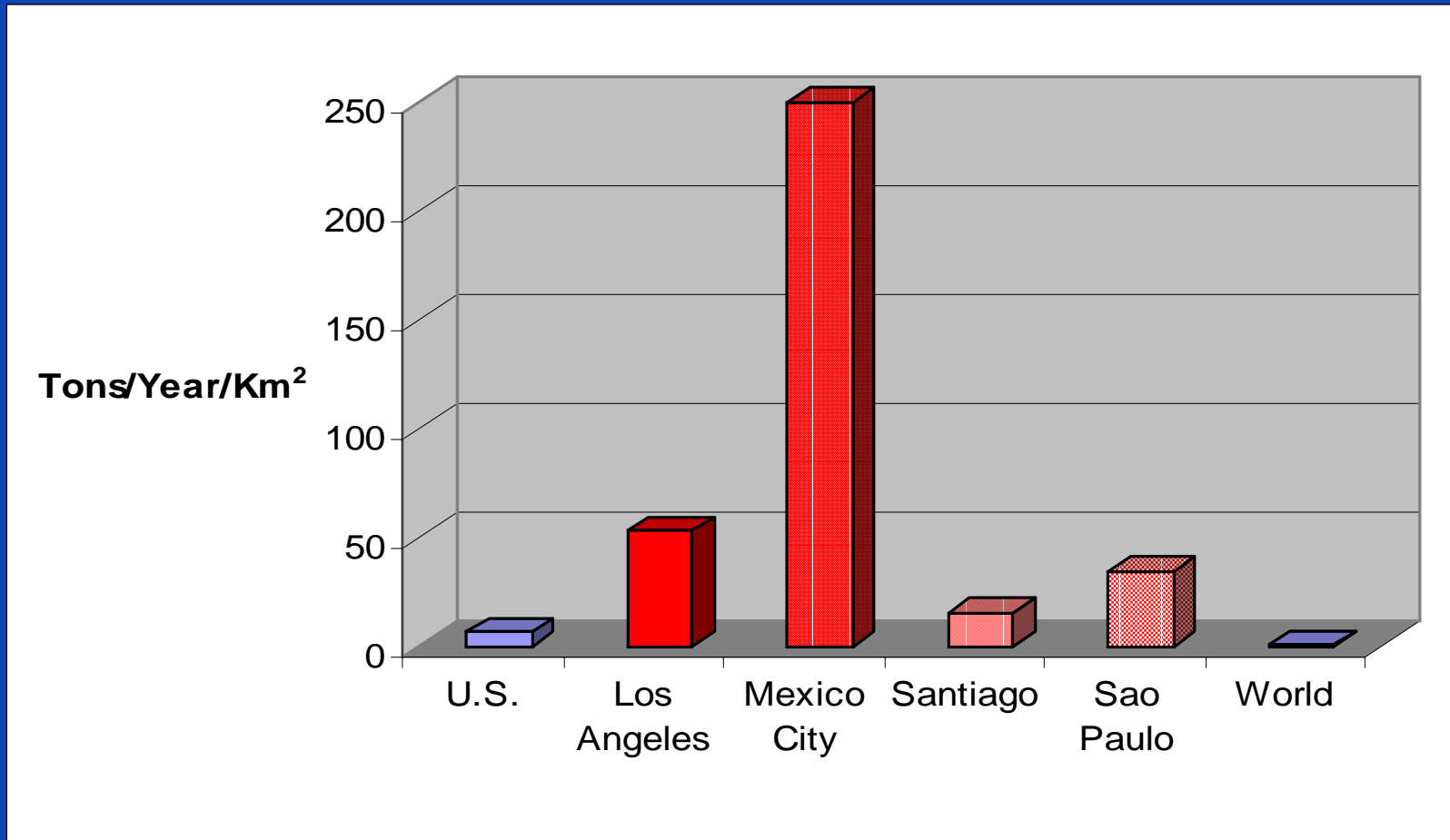




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# Criteria Pollutant Emissions/ $\text{Km}^2$ in USA, Los Angeles, Mexico City and Worldwide

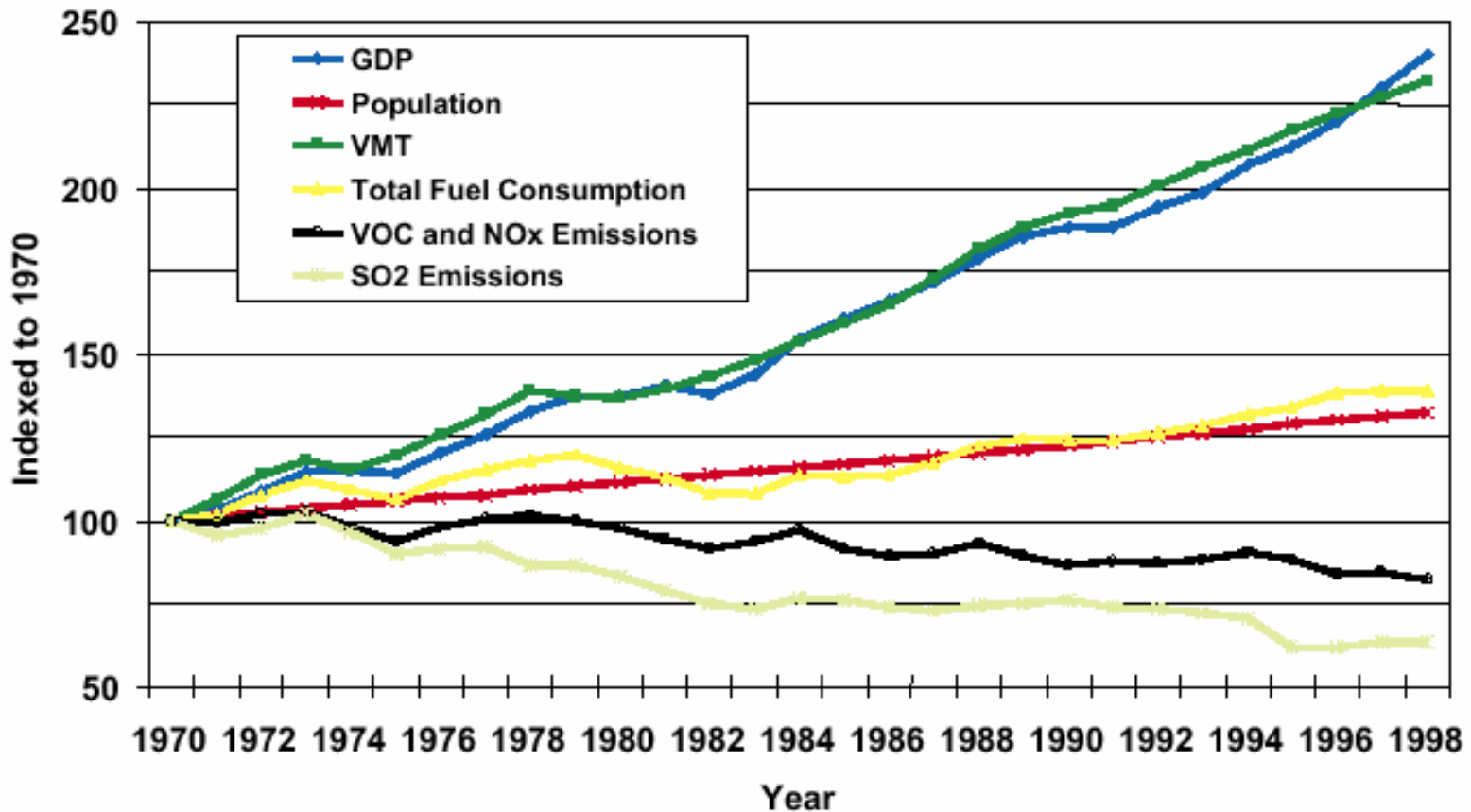




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# US Growth





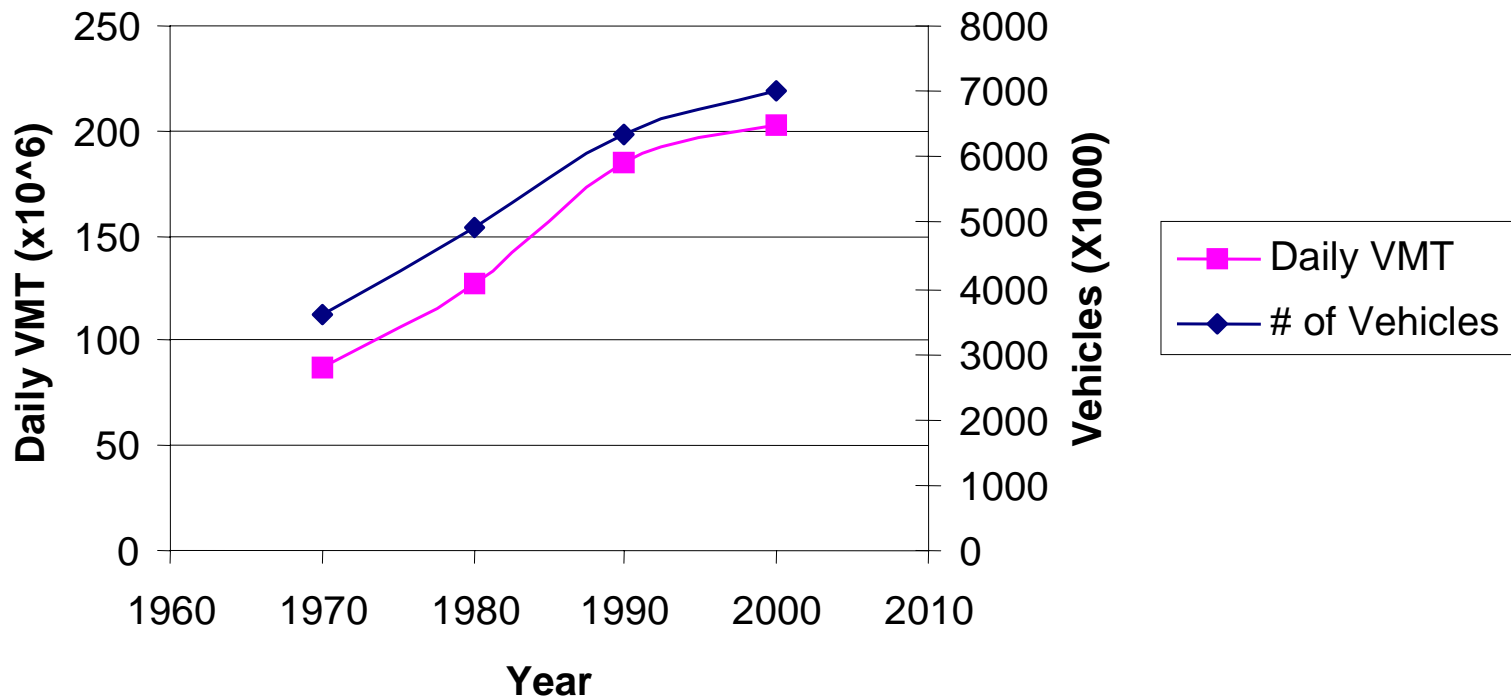


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# Growth of Vehicle Use in LA

Light Duty Automobiles in the South Coast Air Basin  
from 1970 to 2000

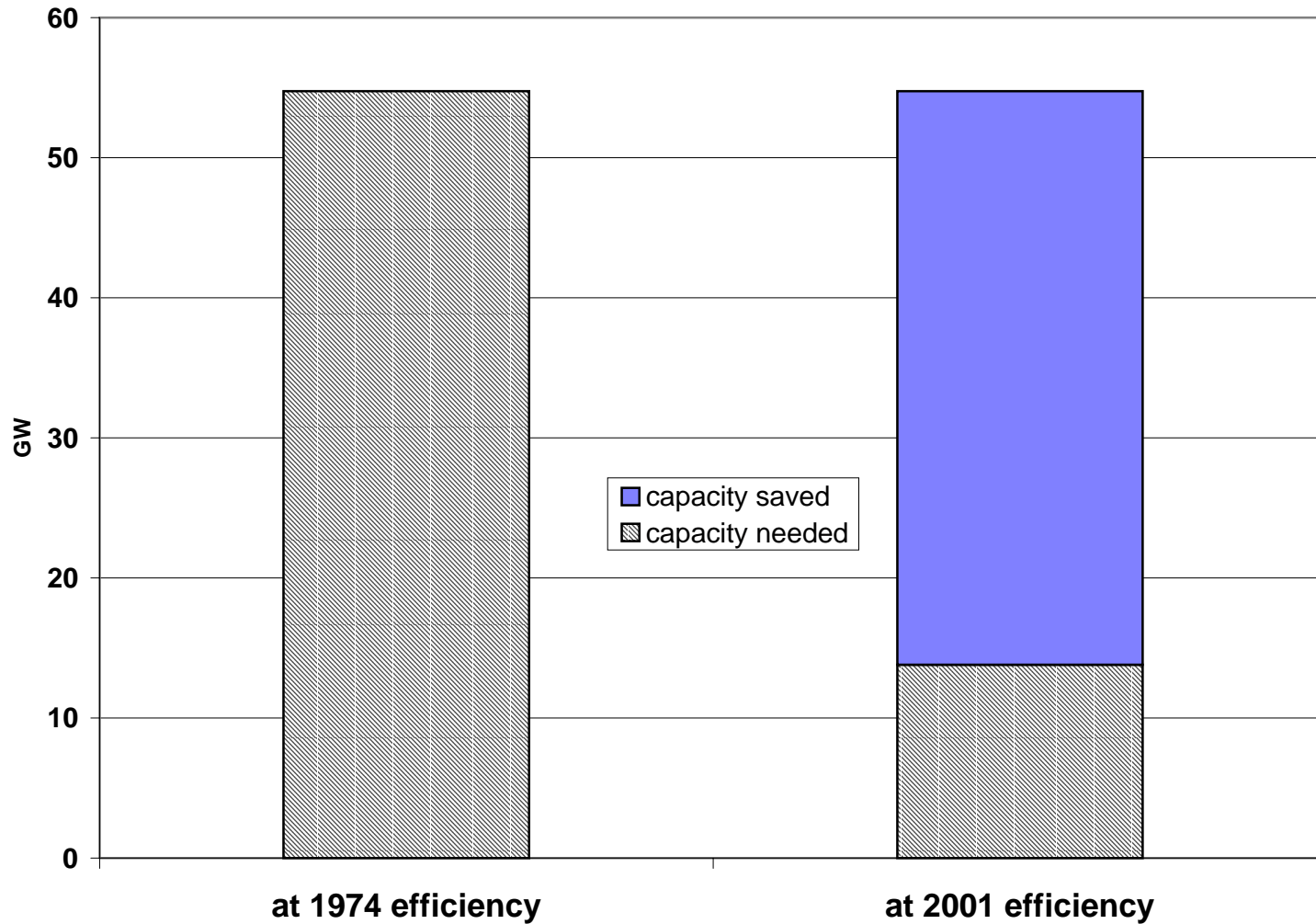




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Electricity Generating Capacity for 150 Million Refrigerators + Freezers in the US

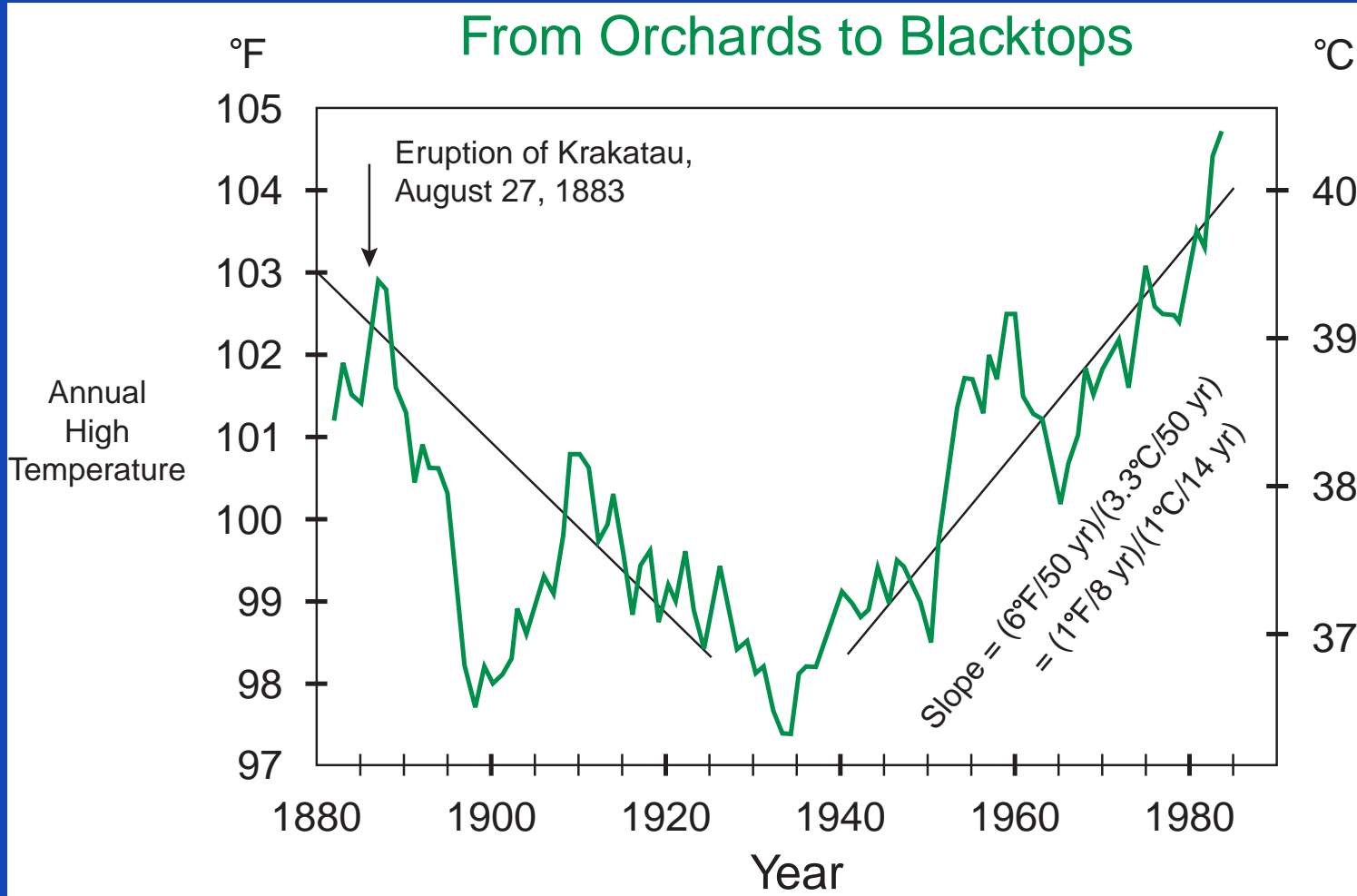




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# Temperature Trends in Downtown Los Angeles





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# Increased Blacktop and Dark Roofs

- **Increased average temperatures by 4-6 degrees F**
- **Increased the rate of formation of ozone**
- **Increased road damage and irrigation needs**
- **Increased energy use**



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# Temperature Rise Materials in Sunlight

(source: LBL)

