

Air Quality and Health Benefits of Smarter Growth

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IN CALIFORNIA



Air Quality and Health Benefits of Smarter Growth

The American Lung Association in California contracted with TIAX LLC to evaluate the health benefits of the smarter growth scenarios in Calthorpe Associates' Vision California report.

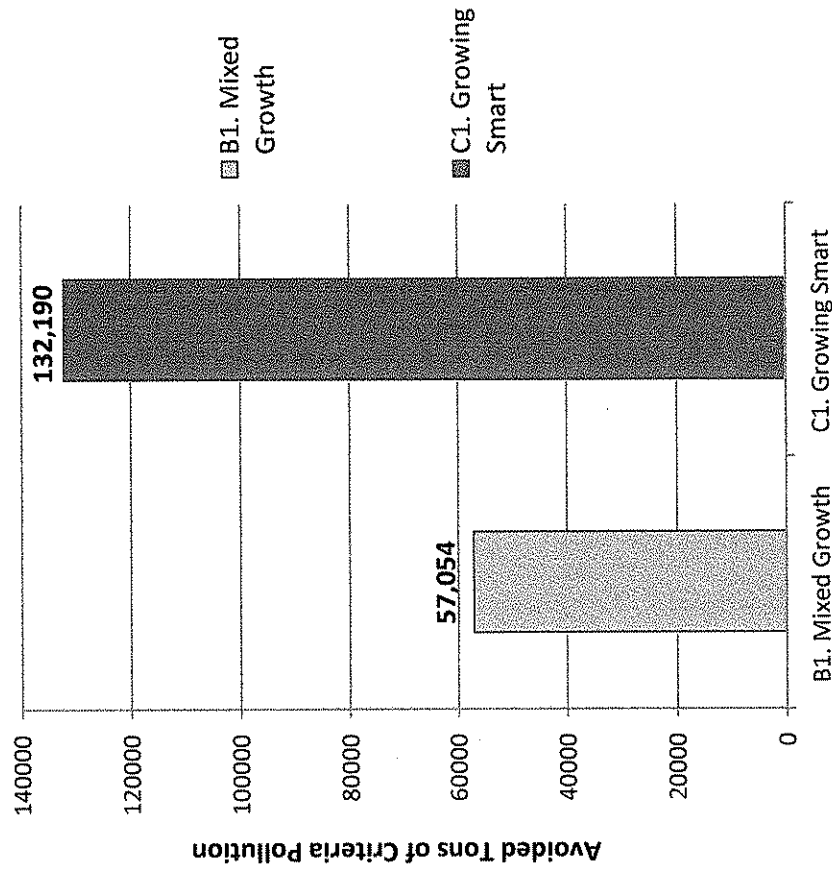
- Reviewed the tons of criteria emissions avoided in Vision California's "Mixed Growth" and "Growing Smarter" scenarios
- Compared to the "Business As Usual" scenario in 2035
- Applied cost and health incidence factors used by the US EPA

Smart Growth = Avoided Pollution

The “Growing Smarter” scenario offers emission reductions of 132,000 tons in 2035 compared to business as usual.

The “Mixed Growth” scenario offers 57,000 tons in emission reduction benefits in 2035 compared to business as usual.

Avoided Criteria Pollution in 2035



Smart Growth = Avoided illness and death

Compared to business as usual in 2035:

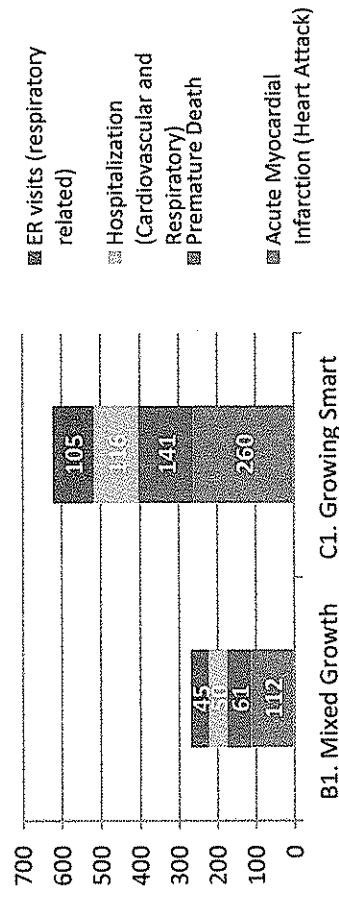
“Growing Smarter” avoids:

- 140 premature deaths
- 260 heart attacks
- 2,370 asthma attacks
- 100K other respiratory symptoms
- 16,550 work loss days

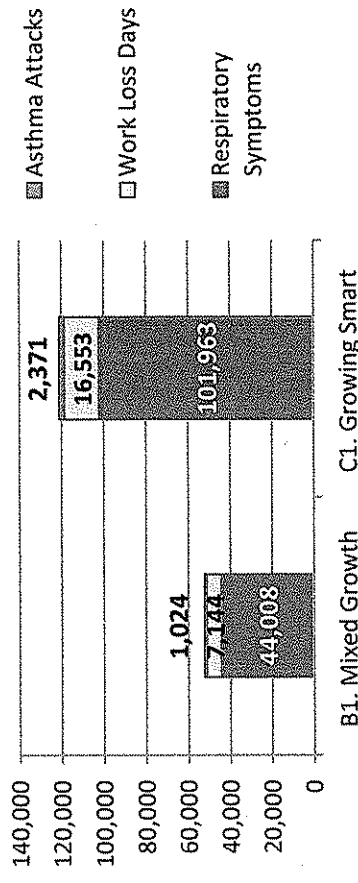
“Mixed Growth” avoids:

- 61 premature deaths
- 112 heart attacks
- 1,024 asthma attacks
- 44K other respiratory symptoms
- 7,144 work loss days

**Hospitalizations and Premature Deaths
Avoided in 2035**



**Asthma Attacks, Work Days Lost and other
Respiratory Symptoms Avoided in 2035**



Smart Growth = Avoided Health Costs

Growing Smarter results in \$1.66 billion in avoided pollution-related health costs in 2035 compared to business as usual.

Mixed Growth results in \$716 million in avoided pollution-related health costs in 2035 compared to business as usual.

Avoided Health Costs in 2035

