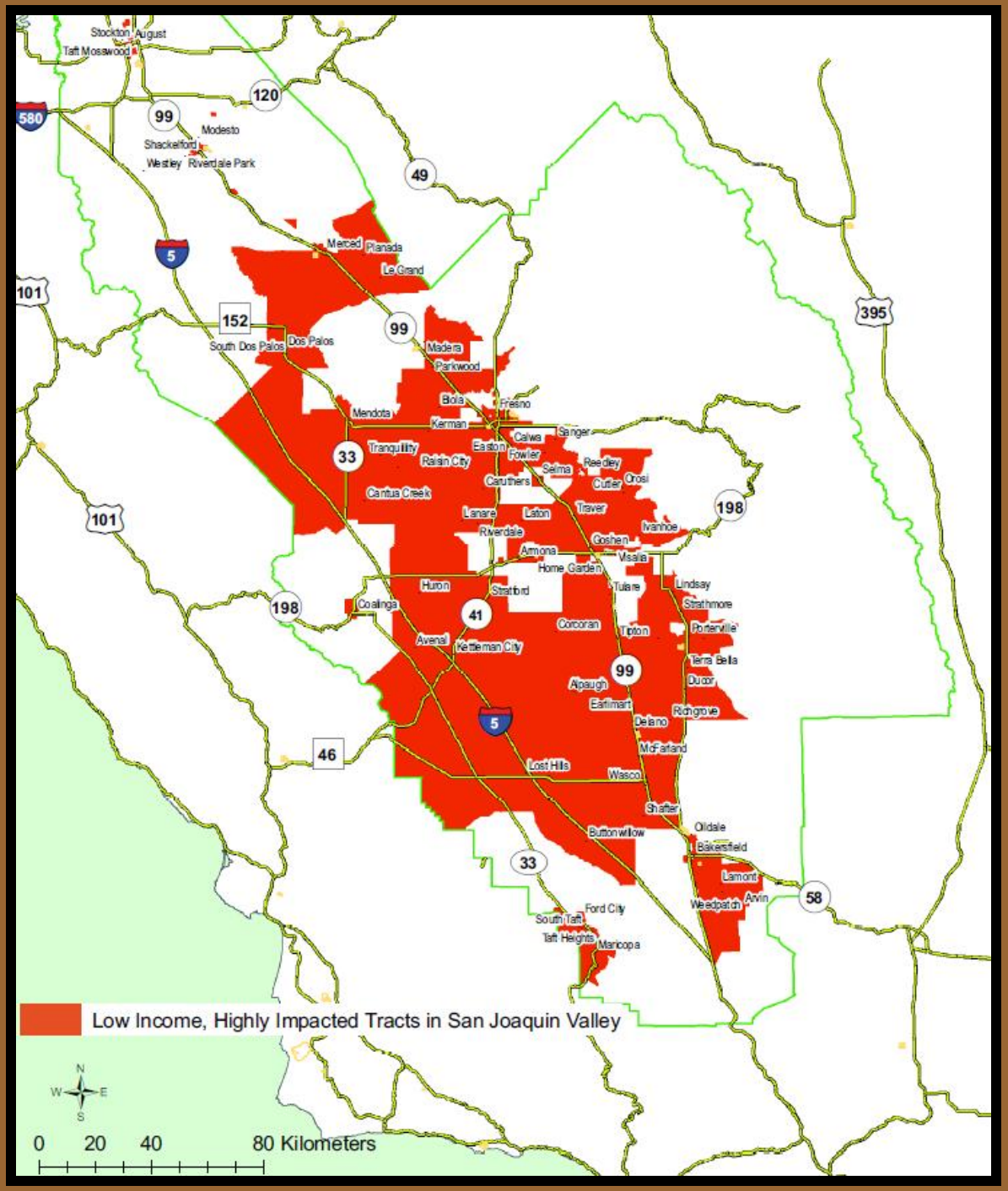
# Carbon Capture and Storage

# vs

# Environmental Justice


Stockton
August
Taft Mosswood
120
580
99
Modesto
Shackelford
Westley
Riverdale Park
49
Merced
Planada
Le Grand
5
101
152
South Dos Palos
Dos Palos
99
Madera
Parkwood
Biola
Fresno
Mendota
Kerman
Sanger
Calwa
Easton
Fowler
Tranquility
Raisin City
33
Selma
Reedley
Caruthers
Cutler
Orosi
Cantua Creek
Lanare
Laton
Traver
198
Ivanhoe
101
Riverdale
Goshen
Armona
Visalia
Home Garden
Huron
Stratford
Tulare
Lindsay
Strathmore
198
Coalinga
41
Corcoran
Tipton
Porterville
Avenal
Kettleman City
Terra Bella
99
Alpaugh
Ducor
Earlimart
Richgrove
5
Delano
46
McFarland
Lost Hills
Wasco
Shafter
Buttonwillow
Oildale
Bakersfield
33
Lamont
Arvin
58
Weedpatch
Ford City
South Taft
Taft Heights
Maricopa
Low Income, Highly Impacted Tracts in San Joaquin Valley
N
W
E
S
0
20
40
80 Kilometers

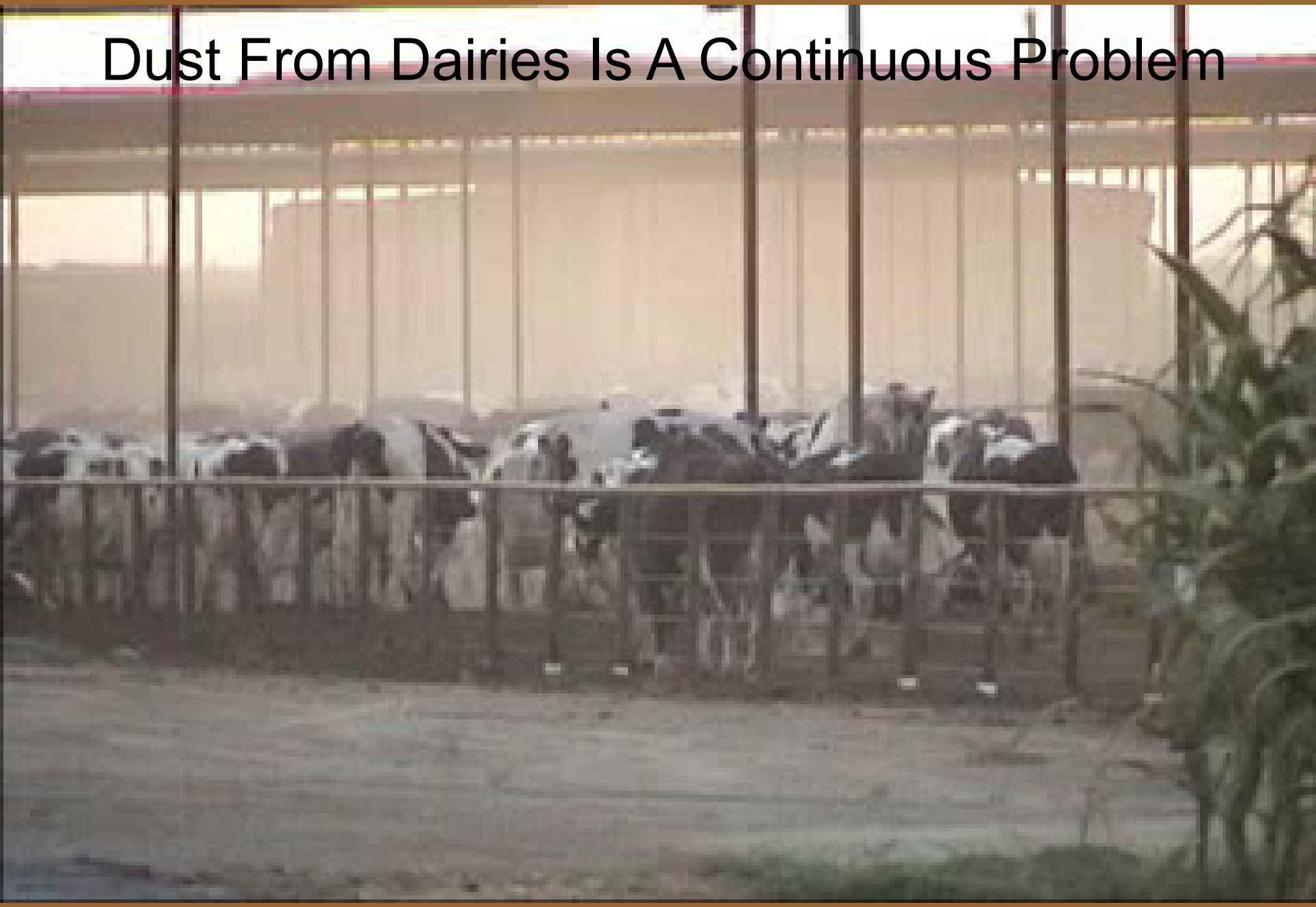
Kettleman City
POP 1,505
ELEV 240
EMERGENCY
CALL 9-1-1

CKS USE GATE
KETTLEMAN NORTH DOME FIELD
WARNING
DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM MAY BE FOUND IN AND AROUND THIS FACILITY.

K
KNIGHT

494 AC
DiPel DF

# Dust From Dairies Is A Continuous Problem

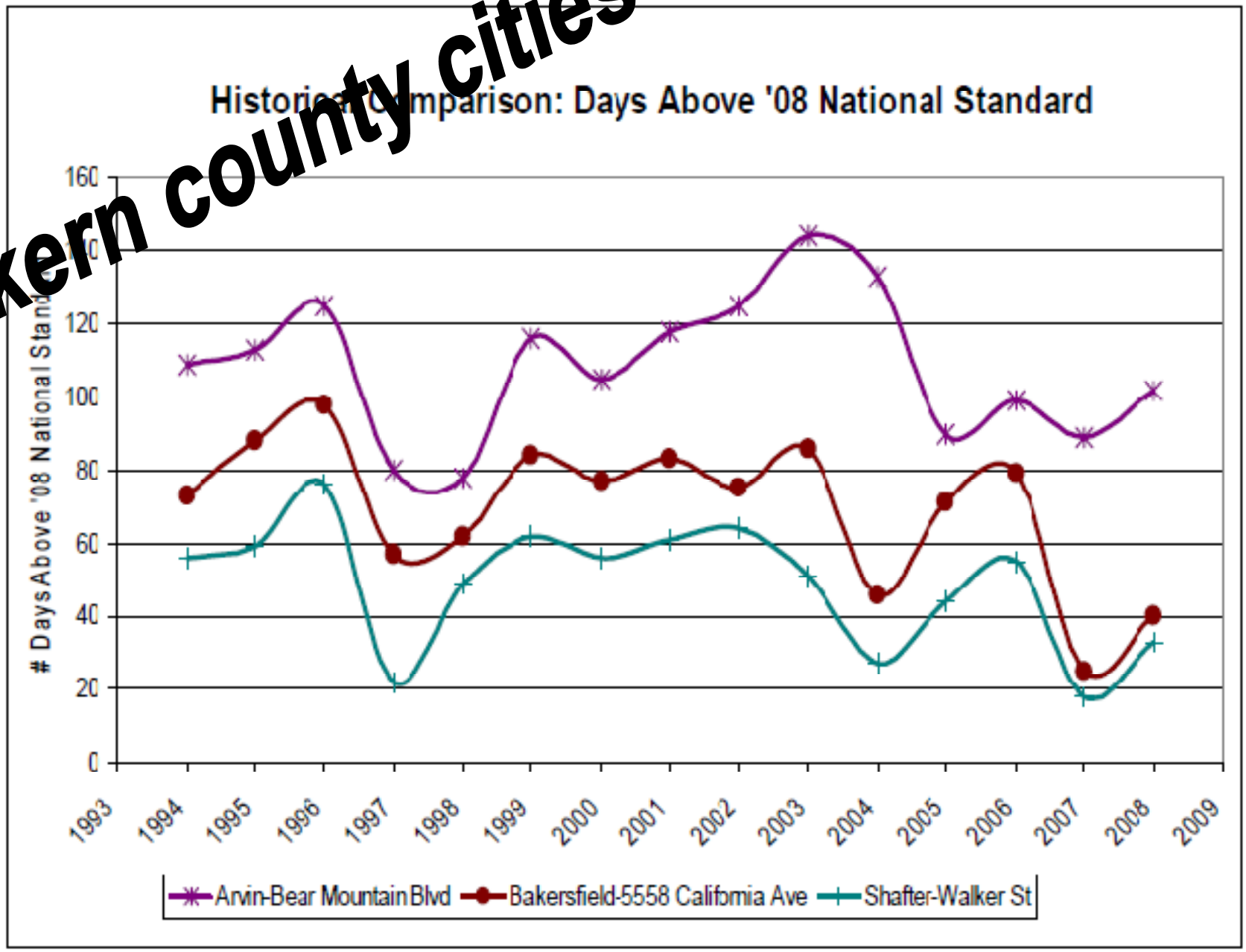


WASTE MANAGEMENT

Jim
Air Dist

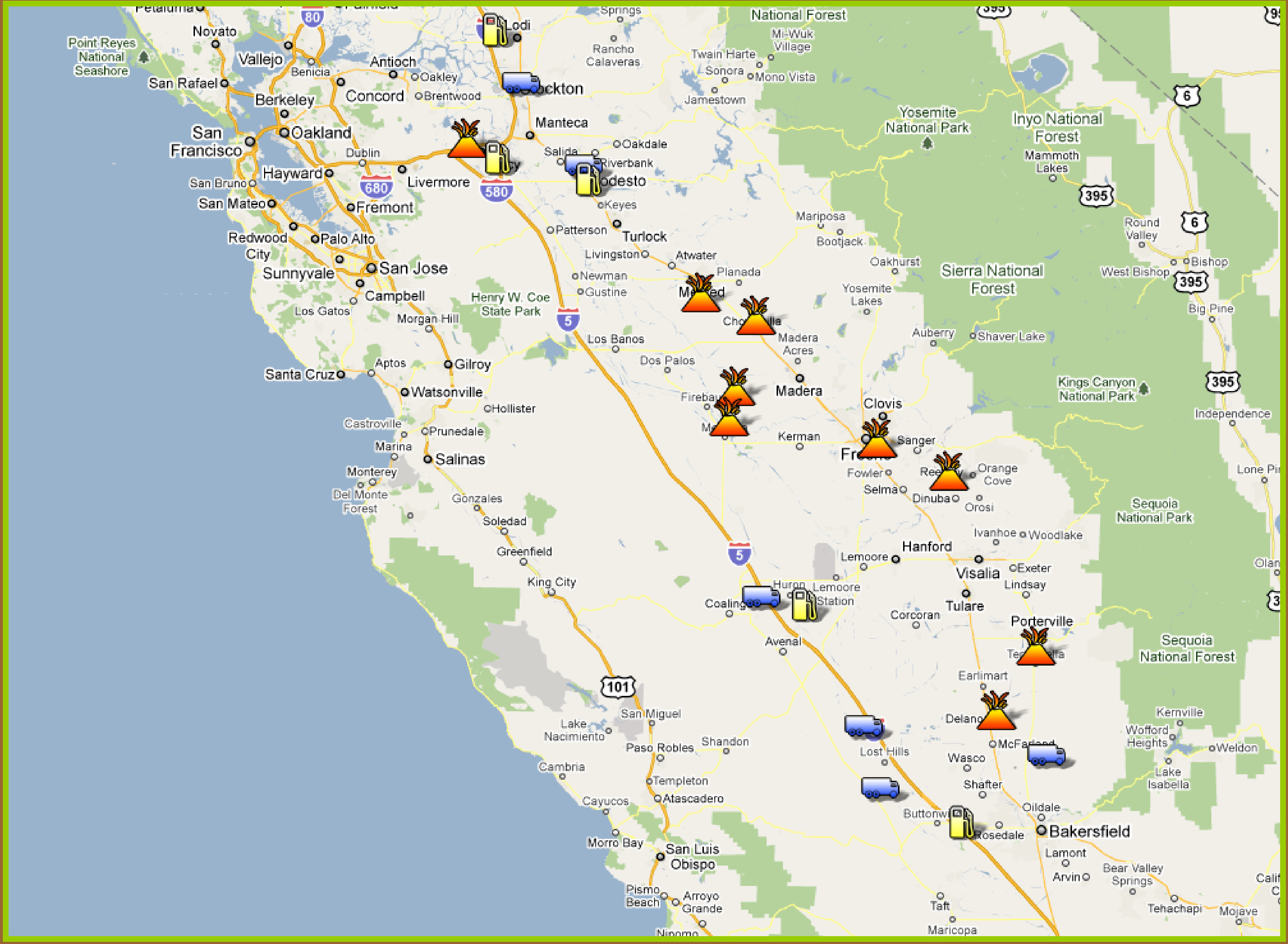
JUSTICE
FOR THE
INFANTS
KETTLEMAN
NEED`S
JUSTICE

# 3 kern county cities



pervisor Dominici
Supervisor Nelson
Henry Jay For
AQUOS
Supervisor Nelson

PUBLIC OPINION COUNTS
Tune In or GET OUT
"HONESTLY WHEN FOLKS LIKE SARAH GET UP HERE $ OTHERS I TEND TO TUNE YOU OUT BECAUSE...OFTEN TIMES WHEN PEOPLE COME UP HERE I DONT THINK THEY ARE TELLING THE TRUTH"
NO TE
RENUNCIA



# New Fossil Fuel Plants and Biomass Incinerators

# Morro Bay

SUBJECT
TO
FLOODING
ROTARY
COUPLER
END
TCMX
63689

WASCO AVE
STOP
LX
135

# Capital Investment Costs

| | Total Cost | Cost per MWH |
|---|---|---|
| HECA 250 MW | $2 billion | $1,075 |
| Avenal 600 MW | $530 million | $120 |

# GHG Emissions

| | MTCO2E per MWH |
|---|---|
| HECA<br>250 MW | .215 ⟹ ? |
| Avenal<br>600 MW | .384 |

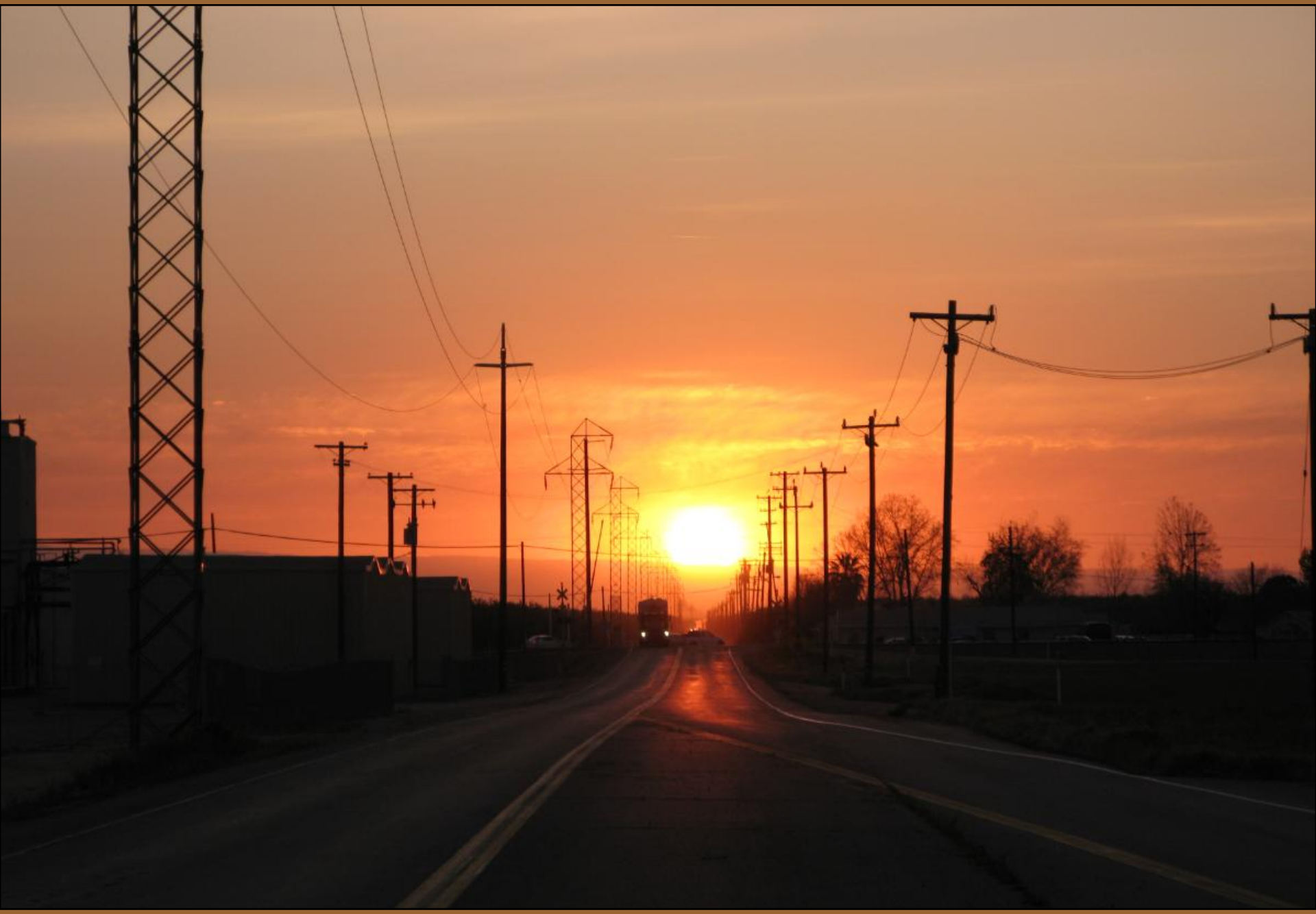
# GHG emissions current reality and future goal

| | MTCO2E/MWH |
|---|---|
| Current CA average | .43 |
| Avenal (state of the art natural gas) | .38 |
| HECA (dirty fuel with CCS) | .25 |
| State Goal for 2050 | .02 |

# criteria air pollutants - tons/yr

| | NOx | VOC | PM | SO2 |
|---|---|---|---|---|
| HECA<br>250 MW | 193 | 36.8 | 211.1 | 38.7 |
| Avenal<br>600 MW | 144 | 35 | 81 | 17 |
| HECA<br>Per MW/yr | .77 | .15 | 2.11 | .16 |
| Avenal<br>Per MW/yr | .24 | .06 | .14 | .03 |

HyGen
COTTONSEED



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