

Attachment 1: Description of Emission Reduction Measure Form

Please fill out one form for each emission reduction measure. See instructions in Attachment 2.

Title: Production of Nuclear based Power

Type of Measure (check all that apply):

- | | |
|---|---|
| <input checked="" type="checkbox"/> Direct Regulation | <input type="checkbox"/> Market-Based Compliance |
| <input type="checkbox"/> Monetary Incentive | <input type="checkbox"/> Non-Monetary Incentive |
| <input type="checkbox"/> Voluntary | <input type="checkbox"/> Alternative Compliance Mechanism |
| <input type="checkbox"/> Other Describe: | |

Responsible Agency:

Sector:

- | | |
|---|--|
| <input type="checkbox"/> Transportation | <input checked="" type="checkbox"/> Electricity Generation |
| <input type="checkbox"/> Other Industrial | <input type="checkbox"/> Refineries |
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Cement |
| <input type="checkbox"/> Sequestration | <input type="checkbox"/> Other Describe: |

2020 Baseline Emissions Assumed (MMT CO₂E): 25% of the natural gas used to produce power in CA

Percent Reduction in 2020: could be 100%

Cost-Effectiveness (\$/metric ton CO₂E) in 2020:

Description: The ARB should cause nuclear power plants to be constructed that replace the need for 25% of the natural gas now needed to produce power in CA. These should be coops that allow industry and citizens to purchase the clean power and thus offset the cost of building the facility.

Emission Reduction Calculations and Assumptions: Essentially reduces GHGs by the 25% now used to produce power

Cost-Effectiveness Calculation and Assumptions: huge

Implementation Barriers and Ways to Overcome Them: Cite the GHGs that must be generated to produce thousands of square miles of glass and semiconductors that must be produced to accomplish the same result. However, in the case of the nuclear option, there will be no need to keep all of the natural gas plants on line at night to

supply power to the grid for to replace the power generated during the 4 hour production cycle of the PV's.

Potential Impact on Criteria and Toxic Pollutants: essentially all of the GHGs from 25% of the production of natural gas would be eliminated

Name: Kenneth W. Mayes Jr.
Organization: Concerned Citizen
Phone/e-mail: 916 575 7553