

Attachment 1: Description of Emission Reduction Measure Form

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

Title: Phase Out Diversion Credit for Use of Greenwaste Material as "Alternative Daily Cover"

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: ARB/CIWMB

Sector:

- | | |
|---|--|
| <input type="checkbox"/> Transportation | <input 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 checked="" type="checkbox"/> Other Describe: Solid Waste and Recycling |

2020 Baseline Emissions Assumed (MMT CO₂E):

Percent Reduction in 2020:

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

Description: Landfill operators are required to cover the active face of the landfill at the end of every day to prevent odors and risks to public health. The traditional material used for this purpose is soil, but operators have found that other materials such as processed green waste, auto shredder fluff, and tarps can also be used for this same purpose. These alternative cover materials are called Alternative Daily Cover (ADC). Under AB 939, the state's waste reduction and recycling law, the use of alternative daily cover is counted as recycling, and the materials are not considered "landfilled." This provides a perverse incentive for local governments to use greenwaste as landfill cover to meet their recycling goals, which is very problematic from climate change perspective.

There are three ways in which this practice contributes to global warming. First of all, these materials are porous and as such, are not very effective landfill covers, which results in significant GHG emissions escaping into the atmosphere. Secondly, the landfilled greenwaste itself produces methane when it decomposes anaerobically in the

landfill. Finally, this practice keeps the materials from greenhouse gas-reducing processes such as composting and anaerobic digestion. By providing an incentive for the use of greenwaste as ADC, the state is creating multiple GHG impacts.

The use of green waste as ADC is in direct contrast with the stated goals of both AB 32 and the Landfill Methane Discrete Early Action Measure adopted by the Board in June. The ARB, in collaboration with the CIWMB, should seek legislation to phase out diversion credit for greenwaste ADC.

Emission Reduction Calculations and Assumptions:

Cost-Effectiveness Calculation and Assumptions:

Implementation Barriers and Ways to Overcome Them:

Potential Impact on Criteria and Toxic Pollutants:

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