

**SAMPLE DRAFT MITIGATION OPTION TEMPLATE**  
**AFW-x Policies to Promote Ethanol Production**

**Mitigation Option Description**

Trees, crops and other plants convert atmospheric carbon to carbohydrate or fiber stocks that can be converted to liquid fuels, such ethanol. The use of these renewable, biological fuels can offset fossil fuel use and reduce associated net carbon dioxide emissions. Production incentives for the conversion of crops, forest sources, animal waste and other sources to ethanol through existing or new technologies can increase the level of ethanol use in future markets.

**Mitigation Option Design**

- **Goals:** Several projects are being proposed in South Carolina that would result in the production of x million gallons of ethanol annually in South Carolina by 200x. Production incentives could increase this amount by x% beyond expected levels in 20xx, and x% by 20xx.
- **Timing:** Startup in 20xx and ramp up to higher levels in 20xx and 20xx, consistent with goals.
- **Coverage of parties:** Suppliers of feedstocks, ethanol producers and distributors. Associated agencies would include: xxx...
- **Other:** As needed, identify incentives that encourage the growing and supply of feedstocks, and the utilization of ethanol in transportation markets across the state.

**Implementation Mechanisms**

TBD

**Related Policies/Programs in Place**

TBD

**Types(s) of GHG Reductions**

Net reduction in CO2 emissions.

**Estimated GHG Savings and Costs per MtCO<sub>2</sub>e**

TBD

- **Data Sources:** TBD

- **Quantification Methods:** Full life cycle analysis with supply/demand equilibrium adjustments.
- **Key Assumptions:** TBD

**Key Uncertainties**

TBD

**Additional Benefits and Costs**

TBD

**Feasibility Issues**

TBD

**Status of Group Approval**

TBD

**Level of Group Support**

TBD

**Barriers to Consensus**

TBD