

## Iowa AFW Subcommittee Policy Option Balloting Results

AFW Policy Option #	Suggested Policy Option Name	AFW Catalog Option No.	AFW Catalog GHG Reduction Policy Option	Number of Ballots	SC Member Comments
<i>High Priority for Analysis</i>					
<b>1</b>	Nutrient and Water Management	3.2	Nutrient and water management	6	Combine 3.2 with 3.7, 3.8 and 3.9
		3.7	Precision Nutrient application	0	
		3.8	Establish low N <sub>2</sub> O emission, high-carbon-retention demonstration fields	0	
		3.9	Promote periodic carbon mapping of fields	0	
<b>2</b>	Wetlands Protection and Drainage Management	4.5	Wetlands protection/conservation	6	3.5 could be joined with 7.7, especially as new drainage plants target integration of drainage and reconstructed wetlands. Combine 4.5 with 3.5
		3.5	Drainage management	4	
<b>3</b>	Expanded use of Agriculture and Forestry biomass feedstocks for electricity, heat or steam production	1.1	Expanded use of biomass feedstocks for electricity or steam production	5	Combine with 1.6 -- will have to produce biomass crops if we are going to expand the use of them. Also include 1.8 as point on installation of such facilities. Combine with 1.6 & 6.1. Combine with 1.6 and 6.4.
		1.6	Biomass energy crop production and utilization	3	
		6.1	Use of forest biomass feedstocks for electricity, heat, and steam production	1	
<b>4</b>	Manure/methane management capture utilization	1.4	Community manure and organic waste digesters for commercial gas production and electrical	5	Combine 1.4 with 1.3 & 11.3. Combine 1.4 with 2.1

## Iowa AFW Subcommittee Policy Option Balloting Results

			generation		
		2.1	Manure/methane management capture utilization	2	
<b>5</b>	Land Management to promote sequestration benefits	3.1	Soil Carbon Management	5	Combine 3.1 with 4.1. Combine 4.1 with 2.3.
		4.1	Land use management that promotes grassland cover	2	
<b>6</b>	Landfill methane energy programs	10.3	Landfill methane energy programs	5	10.3 encompasses 10.1 and 10.2
<b>7</b>	Renewable liquid fuel tax (based on a combination of energy and carbon balance for the fuel produced)	1.7	Renewable liquid fuel tax (based on a combination of energy and carbon balance for the fuel produced)	4	Assume this means a tax credit or taxes based on carbon balance of the fuel. Would be more effective at the national scale, but would at least partially accommodate 1.2, 1.6 and 1.8
<b>8</b>	Manure Injection	2.6	Manure Injection	4	
<b>9</b>	Improved on-farm energy use and efficiency	5.2	On-farm energy efficiency including improved grain dryers, heat exchangers (dairy), electric motors, energy efficient building design	4	Combine 5.2 with 5.1, 3.11 and 5.5
		5.1	Reductions in on-farm energy use (including establishing renewable fuels demonstration farms or a fossil fuel tax for off-road use)	1	
<b><i>Medium Priorities for Analysis</i></b>					
		7.1	Forest protection—reduced clearing and conversion to non-forest cover	3	
		7.6	Mitigation of forest loss due to	3	

## Iowa AFW Subcommittee Policy Option Balloting Results

			insects/disease		
		9.1	Advanced recycling and composting	2	
		9.3	Source reduction strategies	2	
		1.5	Lagoon covers for methane capture and utilization or destruction	2	
		2.4	Utilize biofilters to control confined animal feeding operation (CAFO) emissions	2	
		3.6	Biochar production and utilization	2	
		4.4	Reduce incentives for absentee land ownership and develop incentives for farm owner operators	2	
		5.5	Reduction of fossil-based products and energy in agricultural activities	2	
<b><i>Low Priorities for Analysis</i></b>					
		1.2	In-state liquid biofuels production	1	
		1.3	On-farm manure digesters/other waste energy utilization	1	
		1.8	Reduction of fossil-derived products and energy in the production of biofuels	1	
		1.9	Methane management for greenhouse gas (GHG) reduction and for energy production	1	
		2.3	Rotational grazing (improve grazing crops and/or management)	1	

## Iowa AFW Subcommittee Policy Option Balloting Results

		4.3	Develop land cover maps identifying marginal lands including wetlands (where permanent cover should be targeted)	1	
		5.4	Programs to support local farming/buy local	1	
		6.2	In-state liquid biofuels production	1	
		6.4	Improved commercialization of biomass gasification and combined cycle	1	
		7.4	Forest management for carbon sequestration	1	
		7.7	Management of wetlands to improve sequestration and/or reduce associated methane emissions	1	
		9.2	Promotion of bioreactor technology (advanced municipal solid waste management practices)	1	
		9.6	Enhanced management of organic waste	1	