

ATTACHMENT A

Required NRCS Conservation Practice Standards for the FY 12 On-Farm Energy Initiative

Required Conservation Activity Plans		Code						
Agricultural Energy Management Plan - Headquarters		122						
Agricultural Energy Management Plan – Landscape		124						
Practice Standard	Lead Discipline (s)	Practice Code	Inefficient Energy Use - Equipment and facilities (Rationale)	Inefficient Energy Use - Equipment and facilities (Purpose)	Inefficient Energy Use – Farming/ranching practices and field operations (Rationale)	Inefficient Energy Use – Farming/ranching practices and field operations (Purpose)	Inefficient Energy Use – Farming/ranching practices and field operations (Rationale)	Inefficient Energy Use – Farming/ranching practices and field operations (Purpose)
Combustion System Improvement	CED-AQS	372	Slight to Substantial Improvement	Combustion systems can be improved for energy efficiency.	Yes	Not Applicable	Not Applicable	No
Conservation Crop Rotation	ESD-Agron	328	Not Applicable	Not Applicable	No	Slight to Moderate Improvement	Inclusion of legumes in crop rotation can reduce need for nitrogen inputs.	Yes
Cover Crop	ESD-Agron	340	Not Applicable	Not Applicable	No	Slight Improvement	Legume cover crops can reduce nitrogen inputs.	Yes
Farmstead Energy Improvement	CED- AE	374	Moderate to Substantial Improvement	Identified in On-Farm Energy Audit	Yes	Not Applicable	Farming/ranching practices and field operations addressed by other conservation practices.	No
Irrigation Water Management	CED-WME & ESD-Agron	449	Not Applicable	Not Applicable	No	Slight to Substantial Improvement	Improvement of Irrigation Efficiency can result in reduced energy use for pumping.	Yes

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Pumping Plant	CED-WME	533	Moderate to Substantial Improvement	Efficient pumping plant saves energy	Yes	Slight to Substantial Improvement	Properly sizing pumps, power plants, and controllers to maximize efficiency, will result in reduced energy use for pumping.	Yes
Residue and Tillage Management, Mulch Till	ESD-Agron	345	Slight to Moderate Improvement	Few tillage trips across the field and less horsepower requirements.	Yes	Slight to Moderate Improvement	Few tillage trips across the field and less horsepower requirements.	Yes
Residue and Tillage Management, No Till/Strip Till/Direct Seed	ESD-Agron	329	Moderate to Substantial Improvement	No tillage equipment needed	Yes	Moderate to Substantial Improvement	No tillage operations, fewer trips across the field.	Yes
Residue and Tillage Management, Ridge Till	ESD-Agron	346	Slight to Moderate Improvement	Fewer tillage passes and less aggressive tillage	Yes	Slight to Moderate Improvement	Fewer tillage passes and less aggressive tillage	Yes
Windbreak/Shelterbelt Establishment	ESD-For	380	Slight to Moderate Improvement	Reduces heating around farmsteads	Yes	Slight Improvement	Less water stress on crops. Potential biomass.	No