Natural Resources Conservation Service
Application Ranking Summary
FY17 Air Quality National

National Priorities Addressed

Issue Questions	Point(s)
If the application is for development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the national priority category.	
1. a. Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other national level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	250
Water Quality Degradation – Will the proposed project improve water quality by: (select all that apply)	
2. a. Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	15
2. b. Implementing the practices in a Nutrient Management Plan (NMP)?	10
2. c. Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated "impaired water body" (TMDL, 303d listed waterbody, or other State designation)?	10
2. d. Reducing the impacts from sediment, nutrients, salinity, or pesticides in a "non-impaired water body"?	10
2. e. Implementing practices that improve water quality through animal mortality and carcass management?	10
Water Conservation – Will the proposed project conserve water by: (select all that apply)	
3. a. Implementing irrigation practices that reduce aquifer overdraft.	15
3. b. Implementing irrigation practices that reduce on-farm water use?	10
3. c.Implementing practices in an area where the applicant participates in a geographically established or watershed-wide project?	10
3. d. Implementing practices that reduce on-farm water use as a result of changing to crops with lower water consumptive use, the rotation of crops, or the modification of cultural operations?	10
Air Quality - Will the proposed project improve air quality by: (select all that apply)	
4. a. Meeting on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	10
4. b. Implementing practices that reduce on-farm emissions of particulate matter (PM2.5, PM10)?	10
4. c.Implementing practices that reduce on-farm generated greenhouse gases such as carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O)?	10
4. d. Implementing practices that increase on-farm carbon sequestration?	10
Soil Health: Will the proposed project improve soil health by: (select all that apply)	
5. a. Reduce erosion to tolerable limits (Soil "T")?	10
5. b.Increasing organic matter and carbon content, and improving soil tilth and structure?	10
Wildlife Habitat – Will the proposed project improve wildlife habitat by: (select all that apply)	
6. a. Implementing practices benefitting threatened and endangered, at-risk, candidate, or species of concern.	10
6. b. Implementing practices that retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP) or other set-aside program?	10
6. c. Implementing practices benefitting honey bee populations or other pollinators?	10
6. d. Implementing land-based practices that improve habitat for aquatic wildlife?	10
Plant and Animal Communities: Will the proposed project improve plant and animal communities by: (select all that apply)	
7. a. Implementing practices that result in the management control of noxious or invasive plant species on non-cropland?	10
7. b. Implementing practice in an Integrated Pest Management Plan (IPM)?	10
Energy Conservation – Will the proposed project reduce energy use by: (select all that apply)	
8. a. Reducing on-farm energy consumption?	10
8. b. Implementing practice(s) identified in an approved AgEMP or energy audit, which meet ASABE S612 criteria?	10
Business Lines – Will the practices to be scheduled in the "EQIP Plan of Operations" result in:	
9. a. Enhancement of existing conservation practice(s) or conservation systems already in place at the time the application is received?	10
State Issues Addressed	
Issue Questions	Point(s)

State Category One - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Emissions of Ozone Precursors Select the most appropriate response below regarding the location of the agricultural operation with regard to NAQI resource priorities (see Table 1. NAQI Resource Priorities and California Nonattainment Designations) (Select "Yes" to One Answer Only)	
1. a. Agricultural operation is located in an area where the three resource priorities are ozone, PM10, and PM2.5 (all 3).	60
1. b. Agricultural operation is located in an area where the two resource priorities are ozone and PM10 or PM2.5.	40
1. c. Agricultural operation is located in an area where the one resource priority is ozone, PM10, or PM2.5.	20
State Category Two - AIR QUALITY IMPACTS: Emissions of Ozone Precursors Select the maximum 8-hour ozone NAAQS designation within the applicable county as described in Table 1 of the FY17 NAQI Program Description, NAQI Resource Priorities and California Nonattainment Designations. (Select "Yes" to One Answer Only)	
2. a. Agricultural operation is located in a county designated as "Extreme" nonattainment for the 2008 8-hour ozone NAAQS.	60
2. b. Agricultural operation is located in a county designated as "Severe-15" nonattainment of the 2008 8-hour ozone NAAQS.	50
2. c. Agricultural operation is located in a county designated as "Serious", "Marginal", or "Moderate" nonattainment of the 2008 8-hour ozone NAAQS.	40
State Category Three - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Select the maximum PM10 NAAQS designation within the applicable county as described in Table 1 of the FY17 NAQI Program Description, NAQI Resource Priorities and California Nonattainment Designations. (Select "Yes" to One Answer Only)	
3. a. Agricultural operation is located in a county designated as "Serious" nonattainment or "Maintenance Area/Serious" of the 1987 PM10 NAAQS.	60
3. b. Agricultural operation is located in a county designated as "Moderate" nonattainment or "Maintenance Area/Moderate" of the 1987 PM10 NAAQS.	50
State Category Four - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Select the maximum PM2.5 NAAQS designation within the applicable county as described in Table 1 of the FY17 NAQI Program Description, NAQI Resource Priorities and California Nonattainment Designations. (Select "Yes" to One Answer Only)	
4. a. Agricultural operation is located in a county designated as "Moderate" nonattainment of the 2012 PM2.5 NAAQS and "Serious" nonattainment of both the 2006 and 1997 PM2.5 NAAQS.	60
4. b. Agricultural operation is located in a county designated as "Moderate" nonattainment of both the 1997 and 2012 PM2.5 NAAQS and "Serious" nonattainment of the 2006 PM2.5 NAAQS.	50
4. c. Agricultural operation is located in a county designated as "Moderate" nonattainment or "Maintenance Area/Moderate" of the 2012, 2006 and 1997 PM2.5 NAAQS.	40
4. d. Agricultural operation is located in a county designated as "Moderate" nonattainment or "Maintenance Area/Moderate" of the 2012 and/or 2006 PM2.5 NAAQS.	30
State Category Five - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Emissions of Ozone Precursors Select the most appropriate response below regarding the potential for the EQIP schedule of operation to replace existing in-use mobile off-road farm equipment powered by nonroad diesel engines. The EQIP schedule of operations will result in removing and destroying: (Select "Yes" to One Answer Only)	
5. a. Two in-use equipment, each powered by a Tier 0 diesel engine.	60
5. b. One in-use equipment powered by a 1988 or newer model-year Tier 0 in-use diesel engine.	58
5. c. Two in-use equipment, one powered by a Tier 0 diesel engine and the other by a Tier 1-certified diesel engine.	56
5. d. One in-use equipment powered by a 1980-1987 model-year in-use diesel engine.	54
5. e. One in-use equipment powered by a pre-1980 model-year in-use diesel engine.	52
5. f. One in-use equipment powered by a Tier 1-certified in-use diesel engine.	50

5. g. Two in-use equipment, one powered by a Tier 0 diesel engine and the other by a Tier 2-certified diesel engine.	40
5. h. One in-use equipment powered by a Tier 2-certified in-use diesel engine.	30
State Category Six - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Emissions of Ozone Precursors Identify the EPA Tier-certification level of the proposed new diesel engine according to the EPA Engine Family Name and State of California Air Resources Board Executive Order. (Select "Yes" to One Answer Only)	
6. a. The emissions for the new off-road diesel engine is certified as "Tier 4 Final", including those certified to any Family Emissions Limit (FEL) value that is equal to or less than any Emissions Standard (STD) value.	100
6. b. The emissions for the new off-road diesel engine is certified as "Tier 4 Interim" (Interim, Phase-out, Phase-In/Alternate NOx), including those certified to any Family Emission Limit (FEL) value that is equal to or less than any Emissions Standard (STD) value.	90
6. c. The emissions for the new off-road diesel engine is certified as "Tier 3" or higher and certified for the current model-year under the California Flexibility Program, including those certified as "Tier 3" or higher to any Family Emissions Limit (FEL) value that is equal to or less than any Emission Standard (STD) value.	20
6. d. The emissions for the new off-road diesel engine is certified as "Tier 4" (Final, Interim, Phase-out, or Phase-In/Alternate NOx) to a Family Emission Limit (FEL) value that exceeds any Emission Standard (STD) value.	10
Local Issues Addressed	
Issue Questions	Point(s)
Local Category One - AIR QUALITY IMPACTS: Emissions of Ozone Precursors Estimate the NOx emission reductions per the methodology described in the Specifications for Conservation Practice Standard 372 – Combustion System Improvement using the California Emissions Calculation Worksheet, based the new diesel engine horsepower rating. Conservation treatment results in: (Select "Yes" to One Answer Only)	
1. a. Annual NOx reductions will be within the following range (one of the following): • 25-49 bhp: 0.01 to less than 0.04 tons/year (20 to 199 pounds/year) • 50-74 bhp: 0.07 to less than 0.16 tons/year (140 to 319 pounds/year) • 75-99 bhp: 0.15 to less than 0.36 tons/year (300 to 719 pounds/year) • 100-174 bhp: 0.20 to less than 1.10 tons/year (400 to 2,199 pounds/year) • 175-299 bhp: 0.30 to less than 2.40 tons/year (600 to 4,799 pounds/year) • 300+ bhp: 0.50 to less than 2.80 tons/year (1,000 to 5,639 pounds/year)	50
1. b. Annual NOx reductions will be within the following range (one of the following): • 25-49 bhp: 0.04 to 0.15 tons/year (200 to 300 pounds/year) • 50-74 bhp: 0.16 to 0.45 tons/year (320 to 900 pounds/year) • 75-99 bhp: 0.36 to 0.80 tons/year (720 to 1,600 pounds/year) • 100-174 bhp: 1.10 to 2.25 tons/year (2,200 to 4,500 pounds/year) • 175-299 bhp: 2.40 to 4.35 tons/year (4,800 to 8,700 pounds/year) • 300+ bhp: 2.80 to 4.50 tons/year (5,600 to 9,000 pounds/year)	30
1. c. Annual NOx reductions will exceed (one of the following): • 25-49 bhp: 0.15 tons/year (>300 pounds/year) • 50-74 bhp: 0.45 tons/year (>900 pounds/year) • 75-99 bhp: 0.80 tons/year (>1,600 pounds/year) • 100-174 bhp: 2.25 tons/year (>4,500 pounds/year) • 175-299 bhp: 4.35 tons/year (> 8,700 pounds/year) • 300+ bhp: 4.50 tons/year (>9,000 pounds/year)	10
Local Category Two - AIR QUALITY IMPACTS: Emissions of Ozone Precursors Estimate the percent NOx emission reductions per the methodology described in Specifications for Conservation Practice Standard 372 – Combustion System Improvement using the California Emissions Calculation Worksheet. Conservation treatment results in: (Select "Yes" to One Answer Only)	

2. a. NOx reductions of 90 percent or more from installing a new diesel engine rated at 75 or more horsepower; or, NOx reductions of 75 percent or more from installing a new diesel engine rated at less than 75 horsepower.	50
2. b. NOx reductions of 80 percent or more from installing a new diesel engine rated at 75 or more horsepower; or ,NOx reductions of 65 percent or more from installing a new diesel engine rated at less than 75 horsepower.	30
2. c. NOx reductions of 70 percent or more from installing a new diesel engine rated at 75 or more horsepower; or, NOx reductions of 55 percent or more from installing a new diesel engine rated at less than 75 horsepower.	10
Local Category Three - AIR QUALITY IMPACTS: Emissions of Ozone Precursors Estimate the percent ROG emission reductions per the methodology described in Specifications for Conservation Practice Standard 372 – Combustion System Improvement using the California Emissions Calculation Worksheet. Conservation treatment results in: (Select "Yes" to One Answer Only)	
3. a. Annual percent ROG reductions of 95 percent or more.	50
3. b. Annual percent ROG reductions of 90 percent or more.	40
3. c. Annual percent ROG reductions of 85 percent or more.	30
3. d. Annual percent ROG reductions of 65 percent or more	20
Local Category Four - AIR QUALITY IMPACTS: Emissions of Particulate Matter (PM) and PM Precursors Estimate the percent PM10 reductions per the methodology described in Specifications for Conservation Practice Standard 372 – Combustion System Improvement using the California Emissions Calculation Worksheet. Conservation treatment results in: (Select "Yes" to One Answer Only)	
4. a. Annual percent PM10 reductions of 95 percent or more.	50
4. b. Annual percent PM10 reductions of 90 percent or more.	45
4. c. Annual percent PM10 reductions of 80 percent or more.	40
4. d. Annual percent PM10 reductions of 70 percent or more.	35
4. e. Annual percent PM10 reductions of 60 percent or more.	30
Local Category Five - AIR QUALITY IMPACTS: Emissions of Greenhouse Gases (GHGs) Identify the biodiesel or biodiesel blends that will be used as fuel for the new engine that is reported from the new Engine Supplemental Worksheet. Select the most appropriate answer below. [A "Yes" answer to any one of the following is a "Yes" answer to National Ranking Question 4.c.; "No" answers to all of the following is a "No" answer to National Ranking Question 4.c.] Conservation treatment results in: (Select "Yes" to One Answer Only)	
5. a. The new diesel engine to be fueled exclusively on B99 or B100 biodiesel fuel.	50
5. b. The new diesel engine to be fueled exclusively on B20 or higher blended diesel fuel.	20