

Renewable Fuel Standard (RFS2) Report Instructions

OMB Control No. 2060-0660

Expiration Date: 05/31/2014

RFS2 Production Outlook Report

Report Form ID: RFS0901

Issued Date: 08/6/2010

Revised Date: 1/6/2012

The RFS0901 RFS2 Production Outlook Report is required for registered RIN generating renewable fuel producers and importers to provide expected renewable fuel production or imports at each registered and planned facility, pursuant to §80.1449.

The report is used to submit renewable fuel volume production and import expectations, and RIN generation expectations. Parties are required to provide renewable fuel volumes and RINs on separate rows of this report. Parties may only report one D code, feedstock, and fuel type per row.

Renewable fuel producers who are not registered and accepted with the RFS2 program may choose to submit the information contained in this report on a voluntary basis.

Reports indicating zero projected production value are required to be filed for any registered RIN generator.

This report is due annually on June 1.

The following fields have been updated:

- All fields are required to be filled in.
- All fields have been updated to reflect that the information must be reported for both VOL and RIN submissions.
- **Field 6:** Company/Entity ID: Any company who is not registered and accepted with the RFS2 program who is choosing to submit the RFS0901 on a voluntary basis must enter a company ID of 9999.
- **Field 13:** Feedstocks: All feedstocks must be reported on separate rows of this report, regardless of the D code.
- **Fields 16 through 27:** Projected renewable fuel production or RIN generation for the month is required.
- **Fields 28 through 31:** Projected renewable fuel production or RIN generation **total** for the year is required.

Note: If a code has been introduced after the last revision date on this form, please refer to the EMTS Reporting Codes and Fuel Pathways for the correct code (e.g. approval of petition under 40 CFR 80.1415). This document can be found on the EMTS Documents webpage:

<http://www.epa.gov/otaq/fuels/renewablefuels/emtshtml/emtsdocuments.htm>

Please check the RFS reporting web site for updated instructions and templates:

<http://www.epa.gov/otaq/fuels/reporting/rfs.htm>

For information on submitting this report using EPA's Central Data Exchange (CDX) visit:

<http://www.epa.gov/otaq/fuels/reporting/cdx.htm>

Field No.	Field Name	Units	Field Formats, Codes, & Special Instructions
1.	Report Form ID		AAAAAAA ; <i>Character</i> . RFS0901: Form ID for the RFS2 Production Outlook Report

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2.	Report Type		<p>A; Character. Indicate whether this is the original report or a resubmission. Submit only one Original report, submit any corrections or updates as Resubmission(s):</p> <p>O: Original R: Resubmission</p>
3.	CBI		<p>A; Character. Specify if the data contained within the report is being claimed as Confidential Business Information (CBI) under 40 CFR Part 2, subpart B:</p> <p>Y: Confidential Business Information N: Non-Confidential Business Information</p>
4.	Report Date		<p>MM/DD/YYYY; Date. Enter the date the original or resubmitted report is submitted.</p>
5.	Report Year		<p>YYYY; Character. Indicate the compliance period (year) of the report.</p>
6.	Company/Entity ID		<p>9999; Number. Enter the four-digit, EPA-assigned company/entity ID. ####: The four digit EPA-assigned company ID. 9999: Any renewable fuel producer who is not currently registered and accepted with the RFS2 program who is voluntarily submitting the RFS0901.</p>
7.	Company Name		<p>AAAAAAA...; Character (125 Max). The reporting party's name (Your company name).</p>
8.	Facility ID		<p>99999; Number. Producers and Importers who generate RINs must reference individual facility ID numbers. Please include all preceding zeros in five digit facility ID numbers. #####: The five digit EPA-assigned facility ID. 99999: If facility is unregistered and/or still in planning stage.</p>
9.	Report Information Type		<p>AAA; Character. Indicate the report information type for the specific row of data:</p> <p>VOL: Volume Information RIN: RIN quantity Information</p> <p>Note: Parties are required to provide renewable fuel volumes and RINs on separate rows of the report.</p>

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10.	Fuel D Code		<p>AA; <i>Character.</i> Indicate the Fuel D Code. Only one D code may be entered per row.</p> <p>3: Cellulosic biofuel 4: Biomass-based diesel 5: Advanced biofuel 6: Renewable fuel 7: Cellulosic diesel</p> <p>NA: At least one of the following:</p> <ul style="list-style-type: none">• Not an approved pathway or does not appear in Table 1 in 40 CFR 80.1426- No D Code assigned;• Volume Exceeds Baseline and does not qualify for a D code; or• VOL entered in line 9 <p>Note: If VOL entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN"</p>

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11.	Fuel Type		<p>999; Number. Indicate code corresponding to the Fuel Type. Only one Fuel Type may be entered per row.</p> <p>20: Biodiesel (EV 1.5) 80: Biogas 70: Butanol (EV 1.3) 30: Cellulosic Diesel 60: Cellulosic Ethanol (EV 1.0) 100: Cellulosic Heating Oil 90: Cellulosic Jet Fuel 110: Cellulosic Naphtha 160: LPG 130: Naphtha 10: Non-cellulosic Ethanol (EV 1.0) 140: Non-cellulosic Jet Fuel 40: Non-ester Renewable Diesel (EV 1.7) 41: Non-ester Renewable Diesel (EV 1.6) 42: Non-ester Renewable Diesel (EV 1.5) 150: Heating Oil (EV 1.6) 151: Heating Oil (EV 1.1) 152: Heating Oil (EV 1.2) 888: Other</p> <p>Note: This field is required for both "VOL" and "RIN".</p>
12.	Other Fuel Type Description		<p>AAAA...; Character (125 max). If "888" is listed in line 11, enter a description of the fuel type. If not applicable, enter "NA."</p> <p>Note: This field is required for both "VOL" and "RIN".</p>

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13.	Feedstock(s)		<p>999; <i>Number</i>. Indicate code(s) corresponding to the feedstock(s) for fuel. Each feedstock must be entered on a separate row, regardless of the D code.</p> <p><u>Biodiesel and/or Non-ester Renewable Diesel</u> 160: Biogenic Waste Oils/Fats/Greases 200: Non-food grade corn oil 210: Soy bean Oil 230: Algal Oil 240: Oil from Annual Covercrops 360: Canola/Rapeseed Oil 400: Camelina Oil</p> <p><u>Cellulosic (Diesel, Ethanol, Heating Oil, Jet Fuel, and/or Naphtha)</u> 70: Cellulosic Biomass – Agricultural Residues 250: Cellulosic Biomass – Annual Cover Crops 260: Cellulosic Biomass - Forest Product Residues 270: Cellulosic Biomass - Forest Thinnings 90: Cellulosic Biomass – Miscanthus 220: Cellulosic Biomass - Separated Municipal Solid Waste 280: Cellulosic Biomass - Separated Food Wastes 140: Cellulosic Biomass - Separated Yard Wastes 290: Cellulosic Biomass – Slash 80: Cellulosic Biomass – Switchgrass 410: Cellulosic Biomass – Giant Reed 420: Cellulosic Biomass - Energy Cane 430: Cellulosic Biomass - Napiergrass</p> <p><u>Ethanol and/or Butanol</u> 300: Starch - Agricultural Residues 310: Starch - Annual Covercrops 10: Starch – Corn 120: Sugarcane</p> <p><u>Biogas</u> 320: Manure Digesters 330: Landfills 340: Sewage and Waste Treatment Plants</p>

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13.	Feedstock(s) (ctd.)		<u>Ethanol, Renewable Diesel, Heating oil, Jet Fuel, and/or Naphtha</u> 350: Non-Cellulosic Portions of Separated Food Wastes <u>Other</u> 888: Other Note: This field is required for both "VOL" and "RIN".
14.	Other Feedstock Description		AAAA...; Character (125 max). If feedstock is not listed and "888" is listed in line 14, enter a description of the feedstock. If not applicable, enter "NA." Note: This field is required for both "VOL" and "RIN".

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15.	Production Process		<p>999; <i>Number</i>: Indicate code corresponding to the Production Process. Only one Production Process may be entered per row.</p> <p><u>Biodiesel (mono-alkyl ester)</u></p> <p>180: Transesterification, Dedicated Renewable Biomass Facility</p> <p>870: Transesterification, Co-processing Facility</p> <p>900: Endicott Process, Dedicated Renewable Biomass Facility</p> <p>910: Endicott Process, Co-processing Facility</p> <p><u>Cellulosic (Diesel, Ethanol, Heating Oil, Jet Fuel, and/or Naptha)</u></p> <p>280: Cellulosic Production Process</p> <p>290: Fischer-Tropsch Process</p> <p><u>Ethanol and/or Butanol</u></p> <p>300: Dry Mill, Biogas Fired (50% or less of DGS dried annually)</p> <p>310: Dry Mill, Biogas Fired (CHP, 65% or less of DGS dried annually)</p> <p>320: Dry Mill, Biogas Fired (CHP, Corn Oil Fractionation)</p> <p>330: Dry Mill, Biogas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction)</p> <p>340: Dry Mill, Biogas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p> <p>350: Dry Mill, Biogas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>360: Dry Mill, Biogas Fired (Corn Oil Extraction, 65% or less of DGS dried annually)</p> <p>370: Dry Mill, Biogas Fired (Corn Oil Extraction, Membrane Separation)</p> <p>380: Dry Mill, Biogas Fired (Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>390: Dry Mill, Biogas Fired (Corn Oil Fractionation, 65% or less of DGS dried annually)</p> <p>400: Dry Mill, Biogas Fired (Corn Oil Fractionation, Corn Oil Extraction)</p> <p>410: Dry Mill, Biogas Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p>

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15.	Production Process (ctd.)		<p>420: Dry Mill, Biogas Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>430: Dry Mill, Biogas Fired (Membrane Separation, 65% or less of DGS dried annually)</p> <p>440: Dry Mill, Biogas Fired (Membrane Separation, Raw Starch Hydrolysis)</p> <p>450: Dry Mill, Biogas Fired (Raw Starch Hydrolysis, 65% or less of DGS dried annually)</p> <p>460: Dry Mill, Biomass Fired (50% or less of DGS dried annually)</p> <p>470: Dry Mill, Biomass Fired (CHP, 65% or less of DGS dried annually)</p> <p>480: Dry Mill, Biomass Fired (CHP, Corn Oil Fractionation)</p> <p>490: Dry Mill, Biomass Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction)</p> <p>500: Dry Mill, Biomass Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p> <p>510: Dry Mill, Biomass Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>520: Dry Mill, Biomass Fired (Corn Oil Extraction, 65% or less of DGS dried annually)</p> <p>530: Dry Mill, Biomass Fired (Corn Oil Extraction, Membrane Separation)</p> <p>540: Dry Mill, Biomass Fired (Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>550: Dry Mill, Biomass Fired (Corn Oil Fractionation, 65% or less of DGS dried annually)</p> <p>560: Dry Mill, Biomass Fired (Corn Oil Fractionation, Corn Oil Extraction)</p> <p>570: Dry Mill, Biomass Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p> <p>580: Dry Mill, Biomass Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p>

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15.	Production Process (ctd.)		<p>590: Dry Mill, Biomass Fired (Membrane Separation, 65% or less of DGS dried annually)</p> <p>600: Dry Mill, Biomass Fired (Membrane Separation, Raw Starch Hydrolysis)</p> <p>610: Dry Mill, Biomass Fired (Raw Starch Hydrolysis, 65% or less of DGS dried annually)</p> <p>620: Dry Mill, Natural Gas Fired (50% or less of DGS dried annually)</p> <p>20: Dry Mill, Natural Gas Fired (CHP, 65% or less of DGS dried annually)</p> <p>630: Dry Mill, Natural Gas Fired (CHP, Corn Oil Fractionation)</p> <p>640: Dry Mill, Natural Gas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction)</p> <p>650: Dry Mill, Natural Gas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p> <p>660: Dry Mill, Natural Gas Fired (CHP, Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>670: Dry Mill, Natural Gas Fired (Corn Oil Extraction, 65% or less of DGS dried annually)</p> <p>680: Dry Mill, Natural Gas Fired (Corn Oil Extraction, Membrane Separation)</p> <p>690: Dry Mill, Natural Gas Fired (Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>700: Dry Mill, Natural Gas Fired (Corn Oil Fractionation, 65% or less of DGS dried annually)</p> <p>710: Dry Mill, Natural Gas Fired (Corn Oil Fractionation, Corn Oil Extraction)</p> <p>720: Dry Mill, Natural Gas Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation)</p> <p>730: Dry Mill, Natural Gas Fired (Corn Oil Fractionation, Corn Oil Extraction, Membrane Separation, Raw Starch Hydrolysis)</p> <p>740: Dry Mill, Natural Gas Fired (Membrane Separation, 65% or less of DGS dried annually)</p> <p>750: Dry Mill, Natural Gas Fired (Membrane Separation, Raw Starch Hydrolysis)</p>

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15.	Production Process (ctd.)		<p>760: Dry Mill, Natural Gas Fired (Raw Starch Hydrolysis, 65% or less of DGS dried annually)</p> <p>770: Wet Mill, Biomass Fired</p> <p>780: Wet Mill, Biogas Fired</p> <p>790: Fermentation (Sugarcane only)</p> <p>800: Fermentation using biomass for process energy</p> <p>810: Fermentation using natural gas for process energy</p> <p>820: Fermentation using biogas for process energy</p> <p>830: Grandfathered (Dry Mill, Biogas Fired)</p> <p>110: Grandfathered (Dry Mill, Biomass Fired)</p> <p>60: Grandfathered (Dry Mill, Coal Fired)</p> <p>10: Grandfathered (Dry Mill, Natural Gas Fired)</p> <p>840: Grandfathered (Wet Mill, Biogas Fired)</p> <p>140: Grandfathered (Wet Mill, Biomass Fired)</p> <p>130: Grandfathered (Wet Mill, Coal Fired)</p> <p>120: Grandfathered (Wet Mill, Natural Gas Fired)</p> <p><u>Other</u></p> <p>888: Grandfathered (other)</p> <p><u>Non-ester Renewable Diesel</u></p> <p>200: Hydrotreating, Dedicated Renewable Biomass Facility</p> <p>190: Hydrotreating, Co-processing Facility</p> <p>880: Triton Process, Dedicated Renewable Biomass Facility</p> <p>890: Triton Process, Co-processing Facility</p> <p>920: Global Energy Resources Process, Dedicated Renewable Biomass Facility</p> <p>930: Global Energy Resources Process, Co-processing Facility</p> <p>940: New Generation Biofuels Classic Process, Dedicated Renewable Biomass Facility</p> <p>950: CWT Process, Dedicated Renewable Biomass Facility</p> <p>960: CWT Process, Co-processing Facility</p> <p>970: New Generation Biofuels Classic Process, Dedicated Renewable Biomass Facility</p> <p>980: Viesel Fuel Inc Process, Dedicated Renewable Biomass Facility</p> <p>850: Biogas Production</p> <p><u>Ethanol, Renewable Diesel, Heating oil, Jet Fuel, and/or Naphtha</u></p> <p>860: Eligible Renewable Fuels From Non-Cellulosic Portions of Separated Food Wastes Process</p> <p>Note: This field is required for both "VOL" and "RIN".</p>

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Field No.	Field Name	Units	Field Formats, Codes, & Special Instructions
16.	Next Calendar January Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in January of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
17.	Next Calendar February Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in February of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
18.	Next Calendar March Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in March of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>

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19.	Next Calendar April Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in April of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
20.	Next Calendar May Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in May of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
21.	Next Calendar June Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in June of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>

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22.	Next Calendar July Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in July of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
23.	Next Calendar August Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in August of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
24.	Next Calendar September Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in September of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>

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25.	Next Calendar October Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in October of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
26.	Next Calendar November Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in November of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>
27.	Next Calendar December Production/ Generation (Current year+1)	Gallons or RINs	<p>99999999; Number. Indicate the volume of renewable fuel expected to be produced or imported, or RIN generation expected, in December of the next calendar year.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the month, in gallons.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the month.</p> <p>This field is required for both "VOL" and "RIN".</p>

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28.	Production/ Generation for the Second Future Calendar Year (Current year+2)	Gallons or RINs	<p>99999999; Number. Indicate the total volume of renewable fuel expected to be produced or imported, or RIN generation expected.</p> <p>Note: If VOL entered in line 9, indicate the total volume of renewable fuel expected to be produced or imported for the second future calendar year.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the second future calendar year.</p> <p>This field is required for both "VOL" and "RIN".</p>
29.	Production/ Generation for the Third Future Calendar Year (Current year+3)	Gallons or RINs	<p>99999999; Number. Indicate the total volume of renewable fuel expected to be produced or imported, or RIN generation expected.</p> <p>Note: If VOL entered in line 9, indicate the total volume of renewable fuel expected to be produced or imported for the third future calendar year.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the third future calendar year.</p> <p>This field is required for both "VOL" and "RIN".</p>
30.	Production/ Generation for the Fourth Future Calendar Year (Current year+4)	Gallons or RINs	<p>99999999; Number. Indicate the total volume of renewable fuel expected to be produced or imported, or RIN generation expected.</p> <p>Note: If VOL entered in line 9, indicate the total volume of renewable fuel expected to be produced or imported for the fourth future calendar year.</p> <p>If RIN entered in line 9, indicate the RIN quantity expected to be generated by the producer or importer for the fourth future calendar year.</p> <p>This field is required for both "VOL" and "RIN".</p>

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Field No.	Field Name	Units	Field Formats, Codes, & Special Instructions
31.	Production/ Generation for the Fifth Future Calendar Year (Current year+5)	Gallons or RINs	<p>99999999; <i>Number</i>. Indicate the total volume of renewable fuel expected to be produced or imported, or RIN generation expected.</p> <p>Note: If VOL entered in line 9, indicate the volume of renewable fuel expected to be produced or imported for the fifth future calendar year.</p> <p>If RIN entered in line 9, indicate the total RIN quantity expected to be generated by the producer or importer for the fifth future calendar year.</p> <p>This field is required for both "VOL" and "RIN".</p>
32.	Planned Expansion Date		<p>MM/DD/YYYY; <i>Date</i>. Please enter the projected date of any planned facility expansion in the next five (5) calendar years. If an expansion is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p>
33.	Strategic Planning Date		<p>MM/DD/YYYY; <i>Date</i>. Please enter in the projected date of any current strategic planning for any planned new construction or expansion in the next five (5) calendar years. If a potential strategic planning date is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p> <p>Description: Strategic planning occurs once upper management has determined that a regulation will affect a facility—it is at this stage that upper management decides on a response to the regulation that will position the company most advantageously relative to its competitors. Input may include order-of-magnitude estimates of what compliance costs could be; or, how the bottom line may be affected if the decision is made not to comply and to instead shift product into other markets. Specific planning begins once management determines that, strategically, compliance will be necessary and will require the expenditure of significant capital. The decision to hire an outside engineering firm may be made at this time. The length of time required for this stage varies by facility or company, depending on size, complexity, and the number of facilities. It is nearly impossible to precisely project how much time a specific refinery may need to complete this stage.</p>

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Field No.	Field Name	Units	Field Formats, Codes, & Special Instructions
34.	Planning/ Front-end engineering Date		<p>MM/DD/YYYY; Date. Please enter the projected date of any planning and front-end engineering that has taken place or will take place for any planned new construction or expansion in the next five (5) calendar years. If planning/front-end engineering is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p> <p>Description: Accurate and complete information is gathered during this stage so that preliminary process engineering work can proceed; and initial contacts made with technology vendors to find the best, least expensive technology options. Detailed engineering cannot begin until this stage is mostly complete. The length of time required for this stage varies by facility.</p>
35.	Detailed Engineering/ Permitting Date		<p>MM/DD/YYYY; Date. Please enter the projected date of any detailed engineering and permitting that has taken place or will take place for any planned new construction or expansion in the next five (5) calendar years. If detailed engineering/permitting is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p> <p>Description: Detailed engineering usually overlaps with the preceding and the following stages, and includes construction planning and procuring contracts (since actual construction cannot be started until construction permits are issued).</p>
36.	Procurement/ Construction Date		<p>MM/DD/YYYY; Date. Please enter the projected date of any procurement and construction that has taken place or will take place for any planned new construction or expansion in the next five (5) calendar years. If a procurement/ construction date is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p> <p>Description: This stage necessarily overlaps with the preceding stage. Procurement includes purchasing long-lead items necessary for construction of a new facility; once permits are issued, construction can begin in earnest.</p>

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Field No.	Field Name	Units	Field Formats, Codes, & Special Instructions
37.	Commissioning/ Start-up Date		<p>MM/DD/YYYY; <i>Date</i>. Please enter the projected date of any commissioning and start-up that has taken place or will take place for any planned expansion or new construction in the next five (5) calendar years. If a commissioning/start-up date is unknown or not yet planned, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p> <p>Description: Depending on the complexity of the project, commissioning and startup usually happen together. A critical part of commissioning and startup is the Occupational Safety and Health Administration's (OSHA) "Process Hazard Analysis", a very complicated and time consuming, multi-part procedure that must be completed and signed-off on before startup can proceed. For this, accurate, final construction and as-built drawings, including complete piping and instrument diagrams, must be completed.</p>
38.	Capital Commitments		<p>AAAAAAA...; <i>Character</i> (1000 max). Please enter in a short narrative of all capital commitments for any planned expansion or new facility. If no additional information, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p> <p>This field is required for both "VOL" and "RIN".</p>
39.	Additional Comments/ Description		<p>AAAAAAA...; <i>Character</i> (1000 max). Please enter in any additional comments or planned expansion or construction description. If no additional comments, enter "NA".</p> <p>Note: If "RIN" entered in line 9, enter "NA".</p>

Sample report line:

RFS0901,O,Y,03/21/2012, 2013,1234,"Sample Company Inc", 23456, **RIN**, 20, NA, 210, NA,180, 4, 1, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 180000, 180000,180000,180000,NA,NA,NA,NA,NA,NA, NA

RFS0901,O,Y,03/21/2012, 2013,1234,"Sample Company Inc", 23456, **VOL**, 20, NA, 210, NA,180, 4, 1, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 15000, 180000, 180000,180000,180000,NA,NA,NA,NA,NA,NA, NA

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