
Compliance Reporting Information Session

Renewable Fuels Standard (RFS) Regulation

Climate Regulation and Carbon Markets
Alberta Environment and Protected Areas (EPA)
February 8, 2024



Agenda



Introductions (5 mins)



Review of 2022 RFS Compliance Reporting (15 mins)



Learnings & Issues under consideration (10 mins)



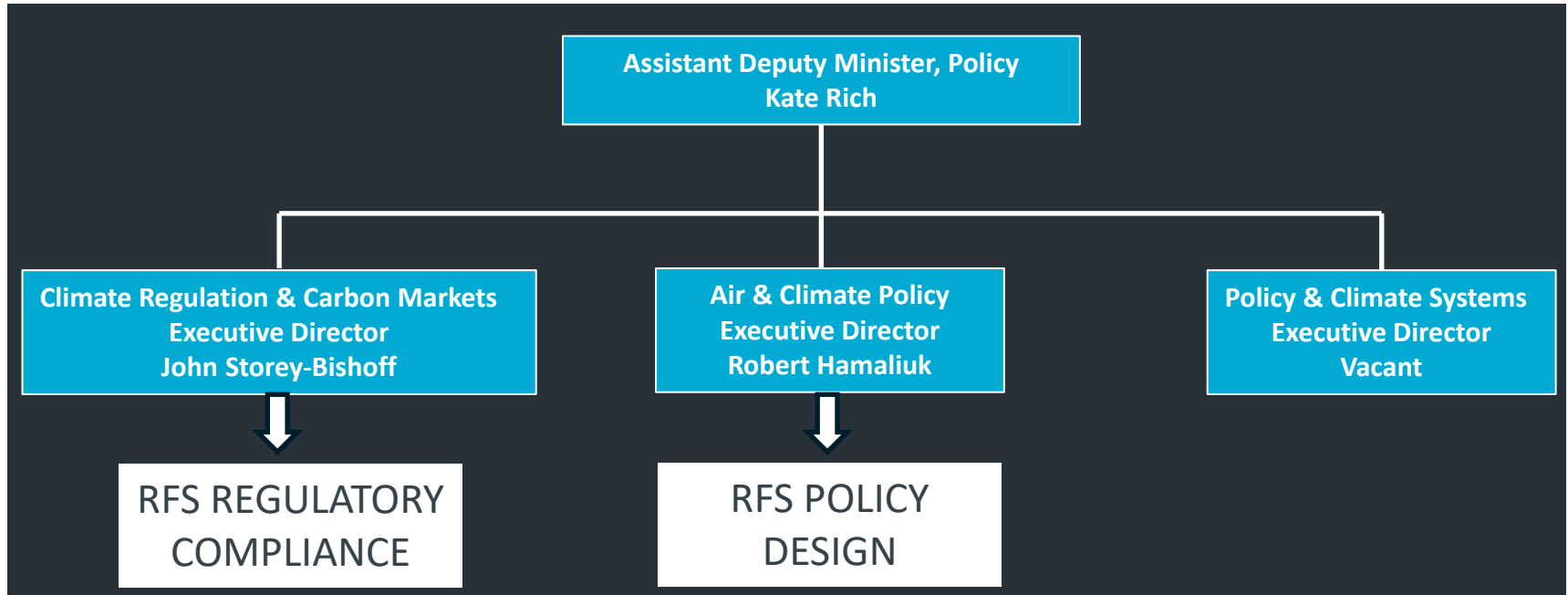
Q&A Period (10 mins)



Closing Comments (5 mins)

INTRODUCTIONS

EPA Policy Division



RFS Administration Staff

RFS Director



John Storey-Bishoff

Executive Director, Climate Regulation and Carbon Markets, Policy Division, EPA

RFS Administration Staff

RFS Compliance Lead



Prashant Reddy

Clean Fuels Policy Advisor, Air and Climate Policy Branch,
Policy Division, EPA

RFS Web Page - Main

<https://www.alberta.ca/renewable-fuels-standard.aspx>

Renewable Fuels Standard

Alberta's Renewable Fuels Standard (RFS) requires commercial fuel producers and importers to blend renewable products into their fuels.

> [Greenhouse Gas Validators](#)

> [Renewable fuels](#)

> [Renewable Fuels Standard resources](#)

> [Renewable fuel providers](#)

RFS Web Page - Resources

<https://www.alberta.ca/renewable-fuels-standard-resources.aspx>

Renewable Fuels Standard resources

Information for industry on meeting Alberta's Renewable Fuels Standard (RFS) Regulation requirements.

On this page:

[Regulation](#)

[Subscribe to mailing list](#)

[RFS requirements](#)

[Contact](#)

[Forms and reporting](#)

RFS Web Page - Resources

Forms and reporting

Validation

- [Alberta GHGenius - Index to Sheets in the Spreadsheet](#) ↓ (XLSM, 8 MB)
The Alberta GHGenius Model is the most current version of the spreadsheet-based modelling tool referred to in the Renewable Fuels Greenhouse Gas Emissions Eligibility Standard. It is used by renewable fuel industry stakeholders to calculate GHG emissions for the life cycles of fuels.
- [Renewable Alcohol and Bio-Based Diesel Validation Certificate](#) ↓ (XLSX, 69 KB)
To be completed annually by a qualified validator to confirm eligible renewable alcohol or bio-based diesel has been produced according to the Lookup Table for Established Pathways in Appendix 1 of the emissions standard.

Annual compliance reporting


- [Consolidated Fuel Supplier, Renewable Fuel Provider and Approved Contributor Compliance Report](#) ↓ (XLSM, 126 KB)
According to the RFS Regulation, all parties defined as 'Fuel Suppliers', 'Renewable Fuel Providers' or 'Approved Contributors' must submit annual compliance reports according to sections 10, 11 and 12 of the regulation.

Subscribe to mailing list

This automatic email system distributes information pertaining to the RFS to subscribers. All fields are required unless otherwise indicated.

Email

Use the dropdown to **Subscribe** or **Unsubscribe** from the RFS mailing list

I'm not a robot  [Privacy](#) [Terms](#)

Can Subscribe or Unsubscribe

In Scope & Out of Scope For Today

- In Scope
 - Annual compliance reporting
 - Compliance requirements
 - Renewable fuel validation certificates
- Out of Scope
 - Future RFS Policy Amendments
 - RFS Interactions with other policies
 - Life Cycle Assessment of fuels

Important Dates

| Item | Date |
|--|--------------------------------|
| Validation Certificate Approval Requests | All year round |
| Approved Contributor Approval Requests | All year round |
| Modified/New Pathway Requests | All year round |
| Annual Compliance Report Submission | March 31, 2024 (April 2, 2024) |

REVIEW OF 2022 RFS COMPLIANCE REPORTING

Overview of 2022 Compliance Reporting

| Compliance Report | Reports Received | Compliance Status |
|--------------------------|------------------|-------------------|
| Renewable Fuel Providers | 16 | 100% compliance |
| Fuel Suppliers | 10 | 100% compliance |
| Approved Contributors | 1 | 100% compliance |
| | | |

Overview of 2022 Compliance Reporting

| Compliance Report | Reports Received | Follow Ups |
|--------------------------|------------------|------------|
| Renewable Fuel Providers | 16 | 15 |
| Fuel Suppliers | 10 | 8 |
| Approved Contributors | 1 | 1 |
| | | |

Follow Ups

| Issue | Number of Occurrences | % |
|----------------------------------|-----------------------|------|
| Missing Declarations | 22 | 47.8 |
| Missing Validation Certificates | 1 | 2.2 |
| Incorrect or Missing Information | 22 | 47.8 |
| Alteration of Spreadsheet | 1 | 2.2 |

RFS FUEL VOLUMES (2011-2022)

| Fuel | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022† |
|-----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Gasoline (million litres) | | 4,298 | 5,901 | 6,014 | 6,198 | 6,278 | 6,162 | 6,144 | 6,237 | 6,341 | 5,571 | 5,688 | 5,643 |
| Ethanol (million litres) | | 285 | 416 | 417 | 416 | 408 | 368 | 369 | 367 | 360 | 320 | 356 | 577 |
| | | | | | | | | | | | | | |
| Diesel (million litres) | | 4,812 | 6,702 | 7,250 | 7,573 | 6,367 | 5,723 | 6,541 | 6,354 | 6,244 | 5,761 | 6,241 | 6,746 |
| Bio-based diesel (million litres) | FAME | 106* | 143* | 161* | 177* | 151* | 126* | 134 | 117 | 117 | 112 | 127 | 165* |
| | HDRD | | | | | | | 14.8 | 23.8 | 17.2 | 9.2 | 2.6 | |
| | | | | | | | | | | | | | |

†Unofficial (not finalized)

*This is the combined amount of fatty acid methyl ester biofuel (FAME) and hydrogenation-derived renewable diesel (HDRD)

LEARNINGS & ISSUES UNDER CONSIDERATION

DECLARATIONS – RFP, FS & AC

- Declarations are required from the RFP identified in the validation certificate:

The image shows a screenshot of a form titled "CONSOLIDATED RENEWABLE ALCOHOL AND BIO-BASED DIESEL VALIDATION CERTIFICATE FORM v23.0" with the Alberta Government logo. The form is divided into sections. Section 1, "Date and Fuel Type", includes fields for "Submission date (Month dd, yyyy)" and "Renewable Fuel type". Section 2, "Identification of Renewable Fuel Provider and Publication Permission", is highlighted with a red box and contains the following fields:
Indicate Identity of Renewable Fuel Provider
 Biofuel Producer Biofuel Importer
Publication of Renewable Fuel Provider Information on Alberta Environment and Protected Areas' Website
 Yes No

- RFP can be either producer or importer of fuel according to RFS Regulation
 - If importer, then this entity assumes all responsibility

DECLARATIONS – RFP, FS & AC

Section 8 - Validation Certificate Confirmation

A- Renewable Fuel Provider representative confirmation

I, _____, the Renewable Fuel Provider representative, hereby declare that the information provided to the Validator, and reflected above is accurate and complete to the best of my knowledge.

's signature

Date (Month dd, yyyy)

B- Greenhouse Gas Validator's confirmation

I, _____, the undersigned, hereby declare that I have complied with Section 15 of the Renewable Fuels Standard Regulation.

Also to the best of my knowledge that the above-mentioned fuel production facility produces fuel in a manner consistent with the above validation codes. I furthermore declare that I am free of conflict of interest related in any way to validating the fuel production facility

's signature

Date (Month dd, yyyy)

DECLARATIONS – RFP, FS & AC

- Example of Format:

I, **Mr/Mrs/Ms PQR**, as a representative of the renewable fuel provider **XYZ Biofuels**, hereby declare that the renewable fuels supplied in the **2023** RFS compliance year were produced in a manner that is consistent with the processes and feedstocks that are set out in the validations with reference numbers **XXXYYY123, ZXXXTY456 and WWWZCX789.**

DECLARATIONS – RFP, FS & AC

- RFP to send directly by email to our office on or before March 31 of year following compliance year
- AC/FS to provide copy of RFP declaration as part of compliance reporting on or before March 31 of year following compliance year

NOTIONAL TRANSFERS – FS & AC

- Legal transaction under the RFS involving 2 parties
- All the details (dates, validation reference numbers, volumes, etc.) need to match exactly in the compliance reports submitted by the 2 parties
- There may be multiple notional transfers for the same fuel on different dates. These cannot be aggregated!

NOTIONAL TRANSFERS – FS & AC

- We strongly encourage all parties to confirm exact agreement for notional transfer details prior to submission to our office

AGGREGATED DATA – RFP, FS & AC

- We strongly recommend information related to shipments of renewable fuels of the same fuel type (e.g. E95) be aggregated for a given entity.

Section 4- Greenhouse Gas Emission Threshold Compliance

Instructions: 1. For renewable fuel, including renewable fuel contained in renewable-blended fuel that the Fuel Supplier received and placed in the Alberta market in the compliance period, please complete the following (insert a separate row for each shipment received).
 2. For any "other blend" options chosen as the fuel type in the "Type of renewable fuel" column, please specify the percentage of renewable fuel in the blend in the "Blend proportion" column.
 3. In the "Renewable Fuel Provider Declaration" column please indicate whether transaction records or other documentation from the renewable fuel provider (to confirm that the renewable fuel was produced in a manner that is consistent with the processes and feedstocks set out in the validation referred to in the "Validation reference number" column) have been submitted with the report. Please compile and label the supporting documentation in numbered bundles corresponding to the row number for each shipment.

| Insert Row | Shipment number (provide purchase order number or invoice number, etc.) | Legal name of the renewable fuel provider who provided the renewable fuel or renewable-blended fuel | Address of renewable fuel provider | Volume of renewable fuel received (litres) | Type of renewable fuel (qualifying renewable alcohol or qualifying bio-based diesel) | Date shipment was received (mmm dd, yyyy) | Validation reference number | Renewable Fuel Provider Declaration. Supporting documentation submitted? | Blend proportion (if applicable) | Description of Transaction |
|------------|---|---|------------------------------------|--|--|---|-----------------------------|--|----------------------------------|----------------------------|
| 1 | See Attached document "Shipment Details" | XYZ Biofuels | 123 Biofuels Avenue | 10,000,000 | 100% renewable alcohol | Jan. 01, 2023 - Dec. 31, 2023 | A-US-5-10-10-22 | yes | | |

Communication with Our Office

- Please direct all email enquiries to FUEL.GHG@gov.ab.ca
 - Our turn-around time to provide a response is 5 - 10 working days
 - Our office does not work in the area of approvals/permitting for renewable fuel facilities. Please contact the Alberta Regulatory Approvals Centre at rac.environment@gov.ab.ca
- Please subscribe to our email distribution list to receive email notifications related to the RFS (as shown in slide # 9)

Questions?

