**Commonwealth of Massachusetts**

**Executive Office of Energy & Environmental Affairs**

**Department Of Energy Resources**

**RENEWABLE ENERGY PORTFOLIO STANDARD**

**(225 CMR 14.00)**

**GUIDELINE**

**Fuel Supply Plan**

**for Generation Units Utilizing Eligible Biomass Woody Fuel, Co-Mingled Biomass Woody Fuel, and Manufactured Biomass Fuel**

**November 9, 2012**

**Instructions**

The Fuel Supply Plan is a Generator Unit’s Owner’s best estimate of anticipated fuel supply.

Submit the completed Fuel Supply Plan to the Department with a Statement of Qualification Application (for a project seeking qualification) specifying fuel supply anticipated for the normal operation of the Unit, and annually (for previously RPS Qualified Units) no later than January 1 of each Compliance Year specifying fuel supply for that Compliance Year.

Completed Plan (page 2 to 4 of this Guideline) must be sent to [DOER.RPS@state.ma.us](mailto:DOER.RPS@state.ma.us). Include in the Subject line: RPS Biomass Fuel Plan - [Generation Unit Name].

**Department of Energy Resources**

**Renewable Portfolio Standard**

**Eligible Biomass Woody Fuel**

**Fuel Supply Plan**

**Fuel Supply Plan – Information Entry**

**Check the appropriate box:**

* + Fuel Supply Plan submitted as part of a Statement of Qualification Application
  + Annual Fuel Supply Plan

\_\_\_\_\_\_\_\_\_\_ Compliance Year

**Generation Unit Information**

|  |  |
| --- | --- |
| Generation Unit Name |  |
| Generation Unit RPS ID Number |  |
| Generation Unit Location (Town, State) |  |

**Fuel Supply Plan - Contact Information (of person responsible for Fuel Supply Plan)**

|  |  |
| --- | --- |
| Company |  |
| Contact Name |  |
| Address |  |
| Phone |  |
| Email |  |
| Submittal Date |  |

**Fuel Mix Information**

Identify all fuels that are expected to be used during the Compliance Year.

|  |  |  |
| --- | --- | --- |
| **Check if Used** | **Type of Fuel** | **Annual Consumption**  **(tons, as delivered)** |
|  | Eligible Biomass Woody Fuel (not Co-Mingled or Manufactured) |  |
|  | Co-Mingled Biomass Woody Fuel |  |
|  | Manufactured Biomass Fuel (describe below) | ***(if not* tons*, provide Units)*** |
|  |  |  |
|  | Biomass Woody Fuels, not eligible for MA RPS |  |
|  | Other Biofuels (specify below) | ***(if not* tons*, provide Units)*** |
|  |  |  |
|  |  |  |
|  | Fossil and other non-biomass fuels (specify below) | ***(if not* tons*, provide Units)*** |
|  |  |  |
|  |  |  |

**Eligible Biomass Woody Fuel - Supply Information**

Enter in this table data for the *actual* fuel that is expected to be supplied to the Generation Unit during the Compliance Year. A Unit may separately transact Biomass Fuel Certificates with other qualified Generation Units to obtain the necessary Certificates for compliance with provisions of 225 CMR 14.00 pertaining to life-cycle carbon reductions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Types of Eligible Biomass Woody Fuel** | **Tons or % of Each Type**  **(enter data in either column)** | | **Description**  To the extent known, include dominant sources (companies/harvesters), and location/state of harvests |
| **Tons**  **(as delivered)** | **%** |
| Co-Mingled Biomass Fuel (with Biomass Fuel Certificates, but of unknown origin) |  |  |  |
| Manufactured Biofuel |  |  |  |
| Forest Derived Residues |  |  |  |
| Forest Derived Thinnings |  |  |  |
| Forest Salvage |  |  |  |
| Non-Forest Derived Residues |  |  |  |
| Dedicated Energy Crops |  |  |  |

Do you plan to transact Biomass Fuel Certificates with another Generation Unit to demonstrate compliance with the annual net greenhouse gas emission limits? Please check only one statement below.

\_\_\_\_\_ Yes, I anticipate ***having excess*** “Residue” Certificates and trading these to other Generation Units for “Thinning” Certificates.

\_\_\_\_\_ Yes, I anticipate ***needing additional*** “Residue” Certificates and trading “Thinning” Certificates for these.

\_\_\_\_\_ No, I anticipate having a ***sufficient balance*** of “Residue” and “Thinning” Certificates without transacting with other Generation Units.

**Appendix: Pertinent Definitions from 225 CMR 14.00**

**Eligible Biomass Woody Fuel.** Woody fuels that are derived from the following sources, consistent with the requirements of 225 CMR 14.05(8):

**Forest Derived Residues:**

1. Tops, crooks and other portions of trees produced as a byproduct during the normal course of harvesting material, such as timber, pulpwood or cordwood.
2. Other woody vegetation that interferes with regeneration or the natural growth of the forest, limited to locally invasive native species and non-native invasive woody vegetation.

**Forest Derived Thinnings:**

1. Unacceptable growing stock which is defined as trees considered structurally weak or have low vigor and do not have the potential to eventually yield a 12 foot sawlog or survive for at least the next 10 years.
2. Trees removed during thinning operations, the purpose of which is to reduce stand density and enhance diameter growth and volume of the residual stand.

**Forest Salvage:**

Damaged, dying or dead trees removed due to injurious agents, such as wind or ice storms or the spread of invasive epidemic forest pathogens, insects and diseases or other epidemic biological risks to the forest, but not removed due to competition. Such eligible trees may be removed without limitation for biomass fuel, only if a major threat to forest health or risk to private or public resources, and if the USDA Animal Health and Plant Inspection Service (APHIS), the USDA Forest Service, or appropriate federal or state governmental agency has issued a declaration, rule, or order declaring a major threat to forest health or risk to private or public resources. Forest Salvage also includes trees removed to reduce fire hazard within Fire-adapted Forest Ecosystems, as certified by a letter to the Department from the state agency responsible for forestry in consultation with the appropriate environmental state agencies.

**Non-Forest Derived Residues:**

1. Primary forest products industry: Lumber mill residues or lumber processing residues consisting of the slabs, shavings, trimmings, sawdust, bark, end pieces of wood, and log cores that result from the various processing operations occurring in sawmills, pulp mills, and veneer and plywood plants.
2. Secondary forest products industry: Wood waste produced as a byproduct of the production of finished wood products, including but not limited to clean residues from woodworking shops, furniture factories, and truss and pallet manufacturing.
3. Land use change – non-agricultural: Trees cut or otherwise removed in the process of converting forest land to non-forest and non-agricultural uses provided that such development has already received all applicable state and local permits for the development.
4. Land use change – agricultural: Trees cut or otherwise removed in the process of converting forest land to agricultural usage, either for new or restored farm land.
5. Yard waste: Leaves, grass clippings, prunings, and other natural organic matter discarded from yards and gardens.
6. Wood waste: Non-treated pallets; pruned branches, stumps, and whole trees removed during the normal course of maintenance of public or private roads, highways, driveways, utility lines, rights of way, and parks.

**Dedicated Energy Crops.** Wood purposefully grown for the purpose of producing fuel, provided that such wood was not grown on land that sequestered significant amounts of carbon, such as a forest, and provided that such land does not have the economic potential to support production of any other agricultural crop grown for human consumption as food.