

Roadmap to Feedstock Supply for Biomass Energy

Bill Beard

Yukon Government
Energy, Mines and Resources

Roadmap to Feedstock Supply for Biomass Energy

Step 1

Forest Resource Management Plans

- “High” level plan
- Minister establishes planning area which can include Public and/or First Nation settlement land
- Generally Forest Management Branch tries to complete these plans through joint planning with First Nations
- Lead by a planning committee appointed by the Minister and First Nation if settlement land included
- Terms of Reference established by the Minister determines the Planning Committee Scope

Roadmap to Feedstock Supply for Biomass Energy

- Step 1 (cont.)
 - Purpose, goals, and objectives of forest management
 - Resource descriptions (traditional use, wildlife,...)
 - Identification of Forest Resource Management Zones
 - Strategies to reduce adverse impacts of values identified.

Roadmap to Feedstock Supply for Biomass Energy

Step 1 (cont.)

- Planning Committee makes recommendations to Minister or Governments if joint planning
- Minister accepts, varies or rejects recommendations.

Step 2....

Roadmap to Feedstock Supply for Biomass Energy

Step 2: Timber Supply Analysis

- Requires management level forest inventory
- Based on Approved Forest Resource Management Plan
- Establishes what levels of sustained yield timber harvesting is possible based on forest harvesting models and assumptions on forest harvesting practices.

Step 3...

Roadmap to Feedstock Supply for Biomass Energy

Step 3: Determination of Annual Allowable Cut

- Decision made by Director of FMB based on FRMP, First Nation representations, public representations, timber supply analysis, land-use plan, other applicable plans and factors specified by regulation the Director believes will affect timber supply for that area.
- Establishes an maximum amount of timber that may be harvested annually for the FRMP area.

Step 4....

Roadmap to Feedstock Supply for Biomass Energy

Step 4

- “Apportionment” of the Annual Allowable Cut determined in step 3.
- Considers socio-economic and environmental factors raised in representations from First Nations Governments as well as separate representations from the public and stakeholders.
- Forest Harvesting sectors are allocated a proportion of the approved annual allowable cut and sets the stage for Step 5...

Roadmap to Feedstock Supply for Biomass Energy

Step 5: Issuance of Harvesting Rights

Harvesting Licences issued

- up to the apportioned amount of timber for the bioenergy sector.
- Direct application, tender, lottery.
- Establishes the rights to commercially harvest timber within a specified area.
- Notification requirements to First Nations and the Public

Roadmap to Feedstock Supply for Biomass Energy

Step 5 (cont.)

Licence types

- Timber Resources Licences
 - 10 year term
 - Renewable for additional 10 year term
 - Assignable

Roadmap to Feedstock Supply for Biomass Energy

Step 5 (cont.)

Licence Types

- Fuel Wood Licences
 - Maximum 20,000 m³
 - Maximum 5 year term
 - Not assignable

Step 6...

Roadmap to Feedstock Supply for Biomass Energy

Step 6: Implementation of Harvesting activities under a harvesting licence.

- Timber harvest plans
- Site plans
- Forest Resource Roads
- *Yukon Environmental and Socio-economic Assessment Act*
- Cutting Authority issued based on Cutting Permits within harvest licence area.

Roadmap to Feedstock Supply for Biomass Energy

- Forest Resource Management Areas – Higher Level of Feedstock Security
 - Provides highest level of feedstock security for bioenergy
- Annual Limit Regions – Lower Level of Feedstock Security
 - Harvest limits established by regulation are very restrictive if live timber harvested
 - Designed to mimic historic harvest history
 - AAC when established replaces timber harvest limit
 - Director may determine a new AAC and apportionment if factors brought forward to support an increase or decrease in timber harvesting.
 - Could support a high level of feedstock security if only dead timber harvested.

SCHEDULE 1

