



BioEnergy Vision for Canada Submission 1

May 10, 2016

Bioenergy 2.0 would like to see Canada initiate a "Mega Tons Biomass Vision" for Canada following the example of the US "One Billion Ton Bioeconomy Vision" published February 2016:

1. Overseen by the Prime Minister, Justin Trudeau;
2. Cross-sectoral across Agriculture, Municipal and Forestry biomass streams under one Vision, Strategy, and Plan;
3. Cross-functional across all Federal ministries and agencies:
 - to build on the decades long accumulated science and development pathways already well advanced;
 - to focus on learning how to assess the best use of the next ton of biomass to reduce the most GHG emissions as cost effectively as possible;
 - to institute Carbon Intensity and life cycle analysis into daily energy use decisions;
 - to break down inertia silo by silo;
 - to share common issues and challenges across the supply chain from feedstock availability, to logistics, to technologies for conversion, to end-markets and distribution (per page 11 in the US Vision);
 - to make the most use of limited federal funds for maximum technology development, demonstration, and deployment to reduce GHG emissions;
 - to raise awareness about *EXISTING* and *NEW* technologies close to commercialization that are not currently being deployed as widely as they could be - particularly in liquid fuels, biogas, and co-heat and power in industrial sites, rural and remote communities, as well as in all other communities;
 - to raise awareness about the trend in technology development for technologies to cross sectors now, meaning that technology solutions research and development silo by silo will miss "best in class" options;
 - to increase the number of people skilled with Bioenergy know-hows to assess project's technically, economically and in terms of GHG emission reductions;
 - to cultivate collaboration across the Bioenergy Sector with universities and colleges, FCM, Bioenergy Networks and related associations, First Nations, Agriculture, Municipal, Forestry and other industry groups, and all 4 levels of government;
 - to assess the ways that Bioenergy may be able to reduce GHG emissions and carbon footprint at oil & gas and LNG sites.

For further information please visit our website: www.bioenergy2-0.org