Community Shared Heating

Applying a Common Sense Approach

Where the idea stems from…

- Efficient use of resources
- Proximity of the resource
- Opportunity for expansion
- Environmental Stewardship (EPA , GHG's)
- Multiple benefits – good use of waste product, locally produced- creates and sustains jobs within the local economy, strengthens regional forest products industry, keeps money spent on energy here, also creates tax revenues at all levels.

Initial project

- Included all larger buildings in central east part of La Broquerie (schools, Municipal hall, Chalet, Church- possibly Co-op Agri-Center)
- CHP system – more products =quicker payback; heat, electricity, and biochar
- More centralized and more costly to install.
- Higher tech= more complicated to install , operate and maintain. Dr.David Domermuth APP.State U. –Gas, heat, biocrude, biochar

2015 version

- Smaller unit
- Fewer partners (RM & Ecole St Joachim)
- Experiment with the systems
- Single product- heat (+radiant)
- Lower capital output
- Room for expansion and Stacking

greenhouse

- Original Plan (attached to ST Joachim)
- Access to wood chip boiler heat
- Positive reception
- Adding curriculum possibilities to the school(course in physics , chemistry ,biology…
- Community involvement
- Practical education possibilities (growing food,…

Mixing Pad

- Separate Project- Entity
- Need to develop more consistent product
- Specific to different needs
- Includes mixing pad and storage facility
- Fair pricing for distributor and buyer (weight – volume- moisture content)
- Provide employment and revenues within the local economy

Moving Forward

- Feasibility study

-partnerships (community groups, DSFM, RM, SDC, MB Hydro , CDEM, Eco-West…)

-responsibilities of partners

- maintaining momentum – interest is growing

- All parties win-win-win: community, economics and environment.