Year-Round Vegetable Production

Creating Multi-Fuel Heating Systems with Island Resources

James Blair
Year-round Markets

• Meeting demands of Year-Round and Summer Residents

• Season Extension of Key Cash Crops

• Year-Round Employment
Meeting Heating Demands of Greenhouses Sustainably

• Collect Data for System Design

• High Cost of Oil and Propane Vs. Marketable Products

• Problems of Heating Greenhouses and Need for Thermal Storage
Wood Gasification and Thermal Storage
Outcomes and Future Research

- Development of Year-round Markets and Community Value
- Substantial Capital Investment with 10 Year Payback
- Looking to Develop Low-Temp Hydronic Systems
- Greenhouse Technology Expanding with “Cool” and “Unheated” Production