

Progress report May 6, 2014

Grant Number 7310003

Title: Biomass Reforestation for Boreal Forest

Grantee: Alaska Division of Forestry

Reporting period: October 31, 2013 to May 6, 2014

**Deliverables submitted:**

Progress report

**Budget:**

Expenditures

Personnel services for collecting poplar cuttings and travel to Canadian Agroforestry Center.

Travel was lodging at Kelly's Country Inn Delta Junction, meals per diem, and gas for vehicles.

Personnel services and travel expenses for Canada travel is charged to match funding.

**Schedule Status:** After unexpected problems with abnormal weather for 2013, re-planning for 2014 has been made. We are currently on schedule with updated schedule. We expect to plant more cuttings and have 2-year survival data by December 31, 2015.

## Percent Completion:

Milestone	Task	Start Date	End Date	Grant Funds	Match Funds	Total Budget	Deliverables	Percent Completed
1	Select field sites	Dec-13	Mar-13	\$ 533	\$ 533	\$ 1,065	Written agreements for site use	100
2	Finalize planting design	Jan-13	Mar-13	\$ 256	\$ 256	\$ 511	Planting designs	100
MS 1: AEA accepts site agreements and final planting designs								
3	Collect and store cuttings	Mar-13	Mar-13	\$ 3,813	\$ 3,813	\$ 7,625		100
4	Plant cuttings	Jun-13	Sep-13	\$ 11,210	\$ 11,210	\$ 22,419		100
5	Evaluate plantations Year 1	Nov-13	Dec-13	\$ 2,956	\$ 6,288	\$ 9,244	Year 1 summary report	100
MS 2: AEA accepts Year 1 summary report								
6	Select and obtain Year 2 cuttings	Mar-14	Jun-14	\$ 4,000	\$ 4,000	\$ 8,000	Year 2 planting plan	100
MS 3: AEA accepts Year 2 planting plan								
7	Plant and transplant cuttings to Delta site	Jun-14	Jul-14	\$ 3,000	\$ 3,000	\$ 6,000		
8	Plant cuttings in rural village	Jun-14	Sep-14	\$ 3,000	\$ 3,000	\$ 6,000		
9	Evaluate plantations 2014	Aug-14	Oct-14	\$ 3,500	\$ 3,500	\$ 7,000	Year 2 summary report	
MS 4: AEA accepts Year 2 summary report								
10	Evaluate plantations 2015	Aug-15	Oct-15	\$ 3,500	\$ 3,500	\$ 7,000		
11	Prepare draft project report	Oct-15	Nov-15	\$ 4,000	\$ 4,000	\$ 8,000	Draft report	
12	Prepare final report	Dec-15	Dec-15	\$ 5,234	\$ 1,902	\$ 7,136	Final project report	
MS 5: AEA accepts final report								
Total				\$ 45,000	\$ 45,000	\$ 90,000		

**Work Progress:**

December 6, 2013: Meeting with Alan Baldivieso, Val Barber, Jeff Graham, and Clare Doig was held in AEA building to discuss progress and events of 2013. Modification of remaining tasks was discussed.

April 16, 2014: Jeff Graham and Val Barber gave presentations about Biomass Reforestation project to Wood Energy Conference in Fairbanks. Many AEA employees were in attendance at this conference.

**Task 6:**

Val Barber travelled to the Canadian Agroforestry Center in Indian Head, Saskatchewan to learn about hybrid poplars developed and planted in Canada and help select Canadian varieties for planting in 2014. Valuable tips and techniques were obtained.

An order for Canadian balsam poplar and hybrid poplar “Northwest” was placed. Shipment was received in April 2014.

Approximately 2,000 Alaska poplar cuttings were collected in Mat-Su Valley, Delta, and Fairbanks. Cuttings are stored in Plant Materials Center, Palmer. Work was completed in April 2014.

**Future work:**

Poplar cuttings will be planted at same sites as 2013. The planting design will be expanded to be a “common garden” where 4 varieties are planted on each site. The common garden will include Alaska and Canadian poplars. Somewhat fewer cuttings will be planted, due to time and budget constraints.

We are still seeking a rural village site for planting, but have not found one yet.