

Lilyvale Farm

2008 Alaska Agriculture Innovation Grant Project Report

Contract: 10-08-083-08
SSN: 483-50-8951

Below is a report of the results of the project per item 5 of the contract.

System Purchased	Grant was for the construction of a greenhouse using Lexon polycarbonate panels. Supplemental heat to be provided by a storage system constructed of river rock with an air distribution system. Details of this construction were provided in the Powerpoint presentation provided via separate e-mail.
Impact on season	Total impact is unknown as we have not yet been through a complete annual cycle. However, to date, we were able to start our growing season in March, two months earlier than in previous years. We were able to plant our seedlings inside as normal but were able to move them into the green house in March. Subsequently, we were able to harvest lettuce and various herbs for our own use in April and for sale at the local Farmers Market in May and June along with bedding plants. Last Fall we were able to continue our growing season into October, two months later than we have been able to grow in the past.
Crop Productivity	Impact is unknown as we are just entering the growing season this year. However, seedlings planted and grown in the green house seem to be stronger when transplanted.
Project Presentation Overview	A greenhouse was constructed using polycarbonate twinwall glazing. Heat was provided by a river rock storage facility with a forced air distribution system. Rock was obtained locally and the construction resulted in a facility which is able to heat to temperatures in the 80s during the day in March with snow still on the ground and ambient temperatures below freezing.

Earlier submissions included the presentation and an Excel spreadsheet documenting all costs.