

### **Project Objective(s):**

The Native Village of Scammon Bay (NVSB) will demonstrate how to create a weather-proof staging and work area for baling solid waste to begin using the "trench and bale" methods of landfill management. The area needs to enclose the baler and provide heat and three-phase power. Document the "Steps, Strategies, and Solutions" it is taking to develop a sustainable solid waste collection program.

### **Results:**

- Researched and purchased a pre-fabricated shed to house the baler.
- Funding obtained for additional shipping costs.
- There is a build-up of cans that take up space while we wait for electricity installation for the baler.

### **Benefits:**

- Collaboration with the City brought more progress to the goals of reducing what goes in the landfill and to recycle more of what we can.
- Being housed in the storage shed, the baler is kept safe from the weather elements of rain, snow and wind, as well as keeping safe from injury any curious people that aren't trained to use it.

### **Lessons Learned:**

- Figuring out the logistics of purchasing and moving equipment to a rural village is a big part of the success of a project.
- Shipping costs can change a lot in a short time. Check and double check. It may take a long time to find additional funding.
- When purchasing equipment, you must consider storage, operations and maintenance needs of the item. Does it need to be kept out of weather? Does it require electricity or gas and oil? How long will it last before it needs to be replaced? Do users need special training?

### **For more information:**

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Zender project website: <http://zendergroup.org/cedp.html>

# Native Village of Scammon Bay



## Working Towards a Trench and Bale Landfill



Funding provided by Zender through the Community Environmental Demonstration Grant Program made possible with the Alaska Tribal Multi-Media Grant from the US EPA.



# Project Timeline

## 2015 Community Environmental Demonstration Project Grant

- In October 2014, Scammon Bay was awarded Zender CEDP grant.
- Then we had grant orientation on reporting and other recipient requirements.
- Started community education on need for solid waste collection fees.
- Sent out 91 household surveys. Received 31 back. Grant orientation on reporting and other recipient requirements
- Requested advance to order shed. Need more funds for shipping.
- Provided SWM better practices reminders by VHF and Facebook.
- The community responded really well to the information and need for fees, and they still find the landfill operations to be a priority from the assessment.
- Through community assessment the community was comfortable with a fee for door to door services but more education and time is needed for collection of that service.
- The first step was to apply for USDA demonstration grant for landfill operations and second was to secure the vertical baler storage for recycling operations and staging area. Scammon Bay IGAP also applied for a grant with RurAL CAP to purchase a bobcat for landfill operations as well.
- The IGAP funds cannot be used for shipping the shed so other funding had to be found to cover the cost of shipping.
- By October 2015, a BIA grant was applied for in partnership with Association of Village Council Presidents and the funds could be transferred to Scammon Bay. The pre-fabricated shed was shipped in the spring with the barge. With subsistence hunting and fishing, the shed was put in place in the late summer.
- Now the baler has a secure and weather proof location to be housed. It has room for a landfill operator to work and some room for storage of recycle materials to be baled.
- The next step to continue towards trench and bale for the landfill operations is to get the three-phase electricity connected at the baler shed.