

LaRC Recycling Program



Presentation Overview



- Background Information
- Contract Language
- Items Collected and Procedures
- The Sale of Recyclables
- Program Funding
- Program Pros & Cons
- Improvements

Recycling Program Background Information

- **The Environmental Management Office (EMO) oversees program; coordinates sale of recyclables with Office of Logistics Management (OLM)**
- **CoF projects go through OLM to ensure high capture rate of scrap metal**
- **Support contractors collect recyclable items**
- **Stopped the sale of recyclables through GSA in early 1999 (except for electronic scrap)**
- **Support contractor acts as LaRC's Authorized Agent for the sale of recyclables**

Contract Language

Demolition and Modification Projects

- SPECSINTACT – LaRC’s Master Division Section 01011, 1.19 Salvage Material and Equipment

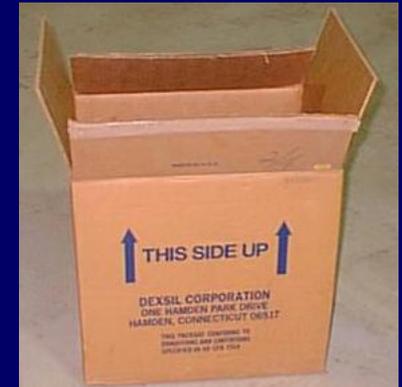
Promote Recycling in Contracts

- FAR Subpart 23.4 – Use of Recovered Materials (RM)
 - FAR Provision 52.223-4 – RM Certification
 - FAR Clause 52.223-9 – Estimate of % of RM in EPA Items
- FAR Subpart 23.7 – EPP and Services
 - FAR Clause 52.223-10 – Waste Reduction Program

Items Recycled at LaRC

Generates Revenue

- White Paper
- Mixed Paper
- Cardboard
- Toner Cartridges
- Scrap Metal
- Used Oil



Does Not Generate Revenue

- Fluorescent Light Tubes
- Batteries
- Antifreeze



Scrap Metal

- Scrap metals collected are aluminum, copper and copper wire, and mixed metals
- Metal hoppers located at various facilities; facility personnel segregate by metal type
- Collected by OLM support contractor; one individual @ 20 man-hrs/wk
- Metal weighed before shipment by LaRC
- Vendor is invoiced according to amount of property removed (tons) and percentage bid of current market value



Cardboard Recycling

- **Old Corrugated Cardboard (OCC) collected of any color or thickness; paperboard or food contaminated pieces are not collected**
- **Recycling bins located at facilities of large generators; small generators place OCC next to paper bins in facility**
- **Collected by EMO support contractor**
- **Made into bales at LaRC Recycling Building and loaded onto vendor provided trailer**
- **Vendor is invoiced according to amount of property removed (tons) and percentage bid of current market value**



Small Generators



Large Generators

Toner Cartridge Recycling

- **Toners of all types are collected**
- **Toners are placed in original packaging next to paper bins at the facility**
- **Collected by EMO support contractor and stored in LaRC Recycling Building**
- **The vendor picks up the toners and is invoiced at a flat rate (\$2.05 each) according to the number of toners sent**
- **One shipment/month @ 90 cartridges (room for improvement)**



White and Mixed Paper Recycling

- **White and mixed paper = catalogues and magazines with staple binders, colored and/or glossy paper, post-it notes, manilla folders**
- **Recycling bins located at facilities and employees segregate by type**
- **Collected by EMO support contractor; two people @ 20 man-hrs/wk**
- **Made into bales at LaRC Recycling building and loaded onto trailer kept at LaRC**
- **The vendor is invoiced according to the amount of property removed (tons) and percentage bid of current market value**



Desk Bin



Copier Bin



White Paper Central
Accumulation Bin



Mixed Paper Central
Accumulation Bin

The Paper Process



The Sale of Recyclables



Two ways sell recyclables: GSA or LaRC contracts

- **GSA Sales**
 - **Lower Market Values (decreased revenue)**
 - **Slow / unpredictable payment from GSA**
 - **Additional administrative costs**
- **LaRC Contract (FY02 = \$31,105)**
 - **Prices based on current market values**
 - **More control of invoicing and payments**
 - **Payments received directly from vendor with no administrative fees**

The Sale of Recyclables



- **Contractor acts as NASA's Authorized Agent to:**
 - **Assist the Government with preparation and distribution of the IFBs.**
 - **Prepare and mail invoices to the vendor; verify that Financial Management receives payments in a timely manner.**
 - **Reconcile data and provide metrics to the Sales Contracting Officer.**
 - **Notify the Sales Contracting Officer of any problems.**
- **Why EMO instead of OLM – EMO receives revenue and has greatest motivation for running a profitable program**

Copies of LaRC Scrap Metal IFB are available

Recycling Program Funding



- **General and Administrative Funding (G&A)**
 - **Support Contractors**
 - **NASA Vehicles**
- **Recycling Account**
 - **Collection bins**
 - **Supplies and Equipment**
 - **Reconditioned Drums for Waste Disposal**
 - **Pollution Prevention Equipment**

Program Pros & Cons



Pros

- **CoF projects reviewed by OLM**
- **Increased collection rates**
- **Generates more revenue than selling through GSA**
- **Control over rebates**
- **Accurate record keeping**
- **Decrease landfilling and are good stewards**

Cons

- **Not a profitable program**
- **High segregation required to get maximum rebate**

Future Recycling Improvements

- **Renewal of Scrap Metal Recycling Contracts – April 2003**
- **Renewal of Paper/OCC Recycling Contracts – Feb. 2004**
- **Recycling Feasibility Study – Summer 2003**
 - **Aluminum Cans**
 - **Glass & Plastic**
- **Training as part of Human Resources procedures**
- **LaRC grass roots workgroups**

Promoting the principles of sustainability, LaRC reduces environmental burdens by;

- keeping transportation local,**
- supporting our community waste diversion goals,
and**
- stimulating local economic growth.**

