



# **What's the Fuss about CRT Glass?**

**Jim Levine**

**President**

**Regency Technologies**

**Tuesday, January 12<sup>th</sup> 2:00pm ET**

# Regency Technologies

- Regency Technologies has been processing electronic scrap for 15 years
- 6 Locations in the U.S. (3 in Ohio, 1 in Chicago, Il. and 1 in Atlanta, Ga. 1 in Tampa, Fl.)
- All facilities are certified to the R2:2013 and RIOS standards
- Over 500 employees contributing to the safe and responsible recycling of the material
- Over 100,000,000 million pounds of e-scrap processed annually

# Is the CRT Market Economically Viable?

- Worst commodity market in 6 years
- You can't overpay (or undercharge)
- You can't make it up on volume
- Recyclers must be able to walk away from a bad deal
- Sometimes the best deals are the ones you don't do
- You need to be in the black in each category:  
services, reuse, and commodities

# How do we do it?

## Service

- Freight, data destruction, reporting, serial numbers, standards, auditing, and logistics

## Reuse/Asset Disposition

- Refurbish, repair, remanufacture

## Recycling/Processing for commodities

- Steel, aluminum, copper, precious metals, plastic, glass

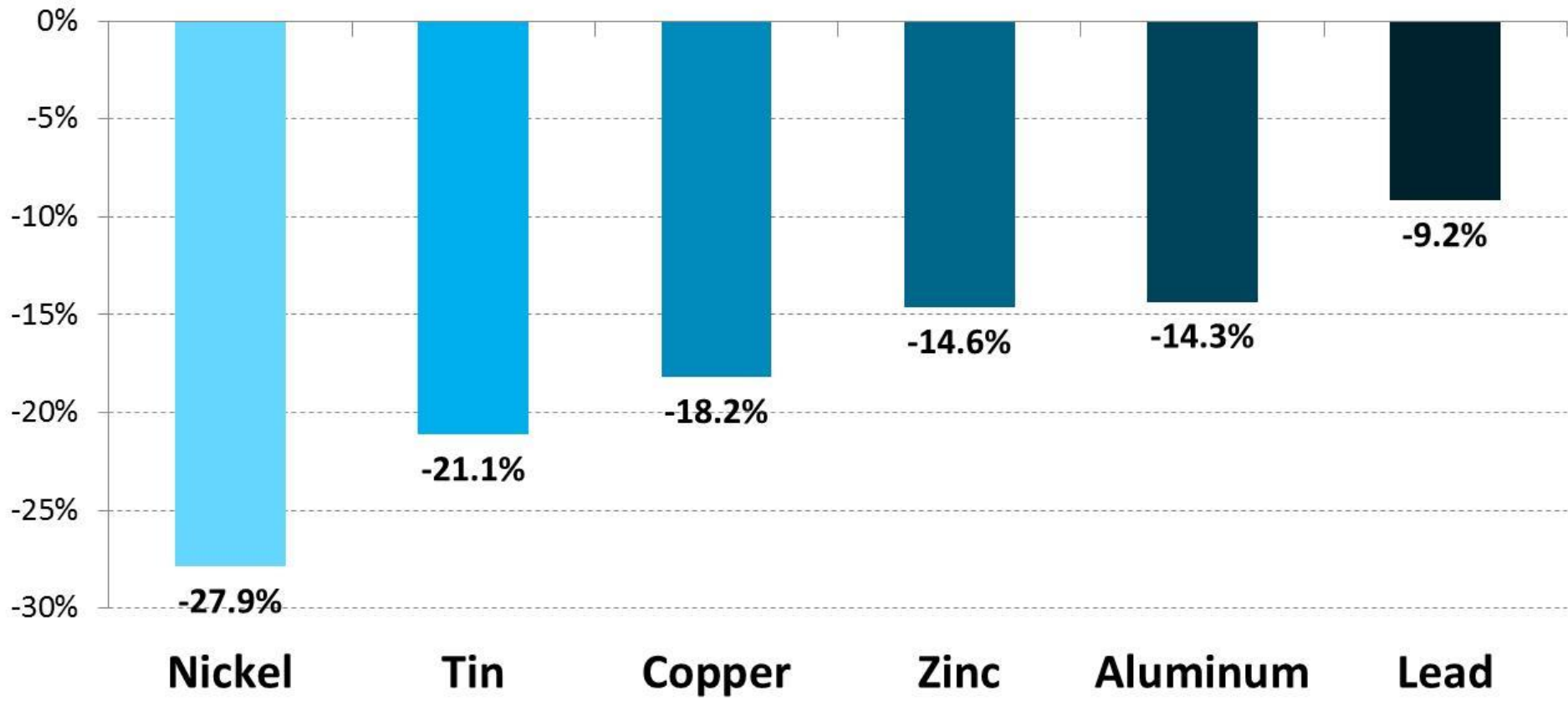
# CRT Recycling is Not Free

Plastics + Metal + Lead =

Negative Costs to Responsibly Recycle

# Nonferrous Price Trends

Change in LME Official 3-Mo. Nonferrous Metal Asking Prices  
from Dec 31, 2014 - August 7, 2015



# Upper Sandusky, Dedicated Facility

Demanufacture Monitors/TVs

- Breakdown
- Sort plastics and metals

Send CRT tubes to Dlubak Glass



# Dlubak Glass\*

## CRT Glass Processing

- Separate panel and funnel glass
- Clean, crush, and sort by size specification
- Organic contaminant removal
- Maintain inventory volumes
- Sell as raw material substitute

\*Certified to R2:2013, ISO 14001,  
OHSAS 18001





# Use as a Raw Material Substitute\*

- Ceramics
- Lighting fixtures
- Tiles
- Building materials

\*Approved by U.S. EPA



# Why not landfilling/retrievable storage?

- Not sustainable, not what we do
- Landfilling/retrievable storage is not recycling
- Most companies and state programs require CRT's to be recycled
- 20 state programs ban landfilling
- R2:2013 does not allow landfilling of focus materials
- Bad precedent for flat panel monitors

# CRT Glass Solution

- **Recycle the glass!**
  - Markets exist, all about costs, not capacity
  - Stockpiling, landfilling/retrievable storage is not recycling
- **EPA FAQ**
  - Recyclers are aware of what's going on
  - Continued efforts to raise awareness
- **Federal and State enforcement is key**
  - Product take-back distorts the market
- **OEMs, Retailers, Consumers must pay**
  - CRT recycling is not free

# Thank you

Jim Levine

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