

WSRA
Ports , Brokers and
National Sword
Steve Frank
Pioneer Recycling Service



Pioneer Recycling Services

- Own and operate two Material Recovery Facilities located in Tacoma and Portland
- The MRF's handle residential comingled and commercial recyclables
- Each plant handles about 10,000 ton per month running two shifts a day



PRS Incoming Material

- The waste haulers are our supply customers
- We receive material from all over the northwest and western Canada
- Material is received loose and baled
- Delivered in truck load quantities by packer, live bottom trailer, drop box, van or flatbed trailer

PRS Markets Recyclables

- We ship to customers all over the world through Port of Tacoma , Seattle and Portland
- Shipping costs from Tacoma to Shanghai are 1/2 trucking costs Tacoma to Portland
- We sell mostly mill direct to customers like American Chung Nam



Quality

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- China government is moving to cleanup the environment
- Imported paper and plastic are being frequently inspected at port of entry
- Focus is garbage, medical waste and prohibitive
- Its possible they may ban the import of mixed paper

Quality

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- Cost of rejection is extremely expensive
- We have slowed our sort lines down and added more sorters impact cost/volume
- More 3rd party inspection (CCIC) is taking place at the plants prior to shipping
- Quality needs to improve across the supply chain
- Municipalities and Haulers need to do more inspection and education

Quality MRF Inspection

- Many country's require inspection prior to shipment
- China has CCIC government run inspection agency
- CCIC can grant self inspection license
- Regular inspections take place at the MRF
- Inspections review quality and moisture

Quality

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- Need to improve the quality of the recyclables going into the recycling cart
- Periodic cart audits
- Truck dump cameras
- Driver observation
- Education, Education, Education

Markets

- MRF's don't have inventory space
- PRS turns inventory 8 times a month
- We don't play the market
- We can't hold material wait for better market
- We must move 15/20 containers every day

Markets cont.

- Hard to move grades
- MRF film
- Plastic 3-7
- Current pricing is negative FAS port
- Mixed paper could be a problem if China bans the import ??!