

Recycling Redefined



beau·ty noun \ˈbyü-tē\
plural beauties

Definition of BEAUTY

1: the quality or aggregate of qualities in a person or thing that gives pleasure to the senses or pleurably exalts the mind or spirit

: loveliness

2: a beautiful person or thing; especially : a beautiful woman

3: a particularly graceful, ornamental, or excellent quality

4: a brilliant, extreme, or egregious example or instance <that mistake was a beauty>







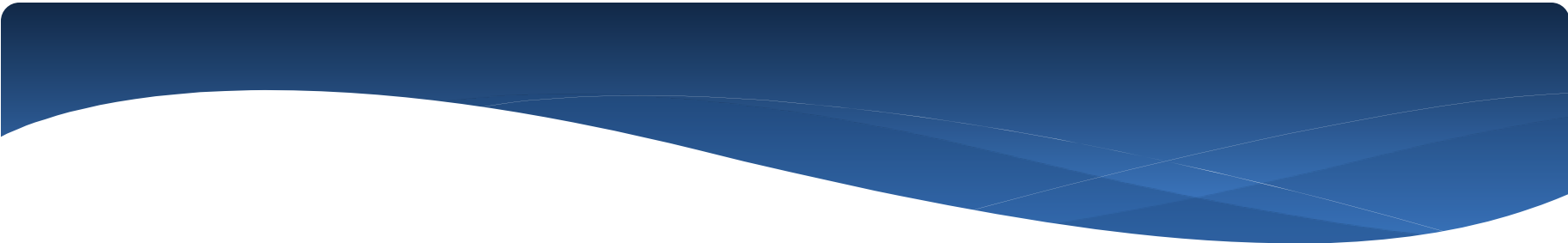














Recycling takes ugly and creates
beauty





HOME PAGE VIDEO V3_854x480.mov

What does metal recycling mean

- * Scrap Recycling reduces greenhouse gas emissions by requiring less energy to manufacture products from recyclables than virgin ore and also by diverting material from landfills.
- * The energy saved by using recyclable materials vs. virgin ore is up to 92% for aluminum, 90% for copper, 56% for steel, 87% for plastic and 34% for glass.
- * Recycling also helps conserve our natural resources. Steel conserves 2500lbs of iron ore, 1400 lbs of coal and 120lbs of limestone. Recycling Aluminum conserves up to 8 tons of bauxite ore and 14 megawatt hours of electricity.



What does metal recycling mean

- * 1 car reduces green house gases by 8,811 pounds.
- * SA recycles 20,000 cars per month company wide.

- * 1 refrigerator reduces green houses gases by 566 pounds.
- * SA recycles 1,000s refrigerators per year



What does metal recycling mean

* 1 Car	= 8,811 lbs. CO ₂	502 Gallons of Gasoline
* 1 Refrigerator	= 566 lbs. CO ₂	36 Gallons of Gasoline
* 1 Computer & CRT Monitor	= 404 lbs. CO ₂	27 Gallons of Gasoline
* 1 Washing Machine	= 397 lbs. CO ₂	24 Gallons of Gasoline
* 4 Tires	= 323 lbs. CO ₂	18 Gallons of Gasoline
* 1 Television	= 81 lbs. CO ₂	8 Gallons of Gasoline
* 10 lbs. of Aluminum Cans	= 16 lbs. CO ₂	7 Gallons of Gasoline
* 10 lbs. of Cardboard	= 40 lbs. CO ₂	2 Gallons of Gasoline



What Recycling does for the economy

- * Scrap recycling is the first link to the manufacturing supply chain meeting 40% of global raw materials needs.
- * For more than 200 years, scrap recycling has been and continues to be integral to the U.S. economy, global trade and resource sustainability.
- * In the past year 71,000,000 metric tons of iron and steel were recycled in the U.S. making 21.4 billion dollars.



Non-Ferrous recovery

- * SA Recycling recovers about 50 tons of non-ferrous metal out of 220 tons of scrap per hour through a recovery system.
- * The magnet sorting system works to recover 17% of metal out of the shredder residue.
- * Around 5,000 tons of non-ferrous metal is recovered in a month and diverted from landfills.



Non-Ferrous recovery



Recycling can be Ugly



Recycling can be Ugly



Recycling can be Ugly



Beatifying recycling process



Air Purifying

- * In an ongoing effort to provide the community with an environmentally sound atmosphere, SA Recycling has planned to install a Regenerative Thermal Oxidizer.
- * The first of its kind to be used in the scrap business, this system is designed to control any air pollution that might result from the operation of our Terminal Island mega shredder.
- * The system will ultimately replace the facility's current Butler-Justice air Pollution control system which itself has an efficiency rating of an upwards 98%.



Solar Array

- * Our Anaheim location has installed the 5th largest solar array in Orange County.
- * This solar array has a green house gas reduction of 12,272 tons of CO₂ over 25 years or over 1,000,000 lbs a year.



Solar Array

- * \$2.5million cost
- * 30% tax credit
- * Accelerated Depreciation 40% first year
- * Rebate from Anaheim Utility
- * Pays for its self 3 years.



Solar Array

- * Less than 6% of our total electrical bill. Covers overhead.
- * Community give back.
- * \$50,000 each year to local charities.



Storm water



- * Our systems capture and hold rainfall from even the largest of storm events.
- * The water is stored, filtered and treated so that it can be re-used on site for dust control instead of relying on municipal water.

Storm water

