

CROSSWOODS HOA RECYCLING STUDY

Conducted by Crosswoods HOA resident Wayne Michaud
(resides at 6900 Navarro Ct.)

Study was conducted throughout Crosswoods HOA portion of Crosswoods Circle on **Friday, October 12, 2018** prior to pick up by Republic Services.

Blue recycling carts:

32-gallon: Total - 36

64-gallon: Total - 47

96-gallon: Total - 92

TOTAL 175

NOTE: number of Crosswoods HOA units: 451; 175 represents a 39% recycling participation rate for this date.

Each cart inspected for amount of material in increments of: full capacity, 3/4 full, 1/2 full, 1/4 full

Thirty-six 32-gallon carts

Twenty-six full capacity: 832 gal.

Four 3/4 full: 96

Five 1/2 full: 80

Zero 1/4 full: 0

One empty 0

TOTAL 1,008

Forty-seven 64-gallon carts

Twenty-eight full capacity 1,792

Fourteen 3/4 full 672

Three 1/2 full 96

Two 1/4 full 32

TOTAL 2,592

Ninety-two 96-gallon carts

Forty-one full capacity 3,936

Twenty-five 3/4 full 1,800

Twenty-three 1/2 full 1,104

Three 1/4 full 288

TOTAL 7,128

TOTAL GALLONS RECYCLING: 10,728

ANALYSIS (ROUGH ESTIMATE)

Based on 26 recycling pick ups a year, the total amount of recycling from Crosswoods HOA annually is estimated to be 278,928 gallons.

If Crosswoods HOA fully participated in recycling pick up annually, that estimate would be 715,000 gallons. 90 percent participation would be 643,500 gallons; 80 percent participation would be 572,000 gallons.

The number of gallons of Crosswoods HOA recycling that would be kept out of a landfill annually **OVER AND ABOVE WHAT IT DOES NOW** would be:

- Full participation: 463,072
- 90 percent participation: 364,572
- 80 percent participation: 293,072

GALLONS TO POUNDS/TONS: the weight of a filled recycling container can vary greatly, depending on the density of content. For example, a filled 64-gallon cart can weigh anywhere from 60-125 lbs.* Estimating conservatively, a full 64-gallon recycling cart will weigh 75 lbs. Therefore, a rough estimate of the number of tons that Crosswoods HOA currently recycles annually is 326,903.

Conservatively, the number of tons of Crosswoods HOA recycling that would be kept out of a landfill annually **OVER AND ABOVE WHAT IT DOES NOW** would be:

- Full participation: 542,720
- 90 percent participation: 427,278
- 80 percent participation: 343,480

*based on weighing a half filled 64-gallon recycling cart that was densely packed to maximize space: cardboard cut to fit horizontally in layers; larger plastic containers and milk cartons crushed, etc.; most people do not recycle this way, hence, less content in a filled cart resulting in less weight