

Cahuilla Solid Waste and Recycling Program

- Funding
- Siting a location
- Design & Construction
- Operation/Economics
- Curbside service & Recycling
- Waste Reduction & Handling

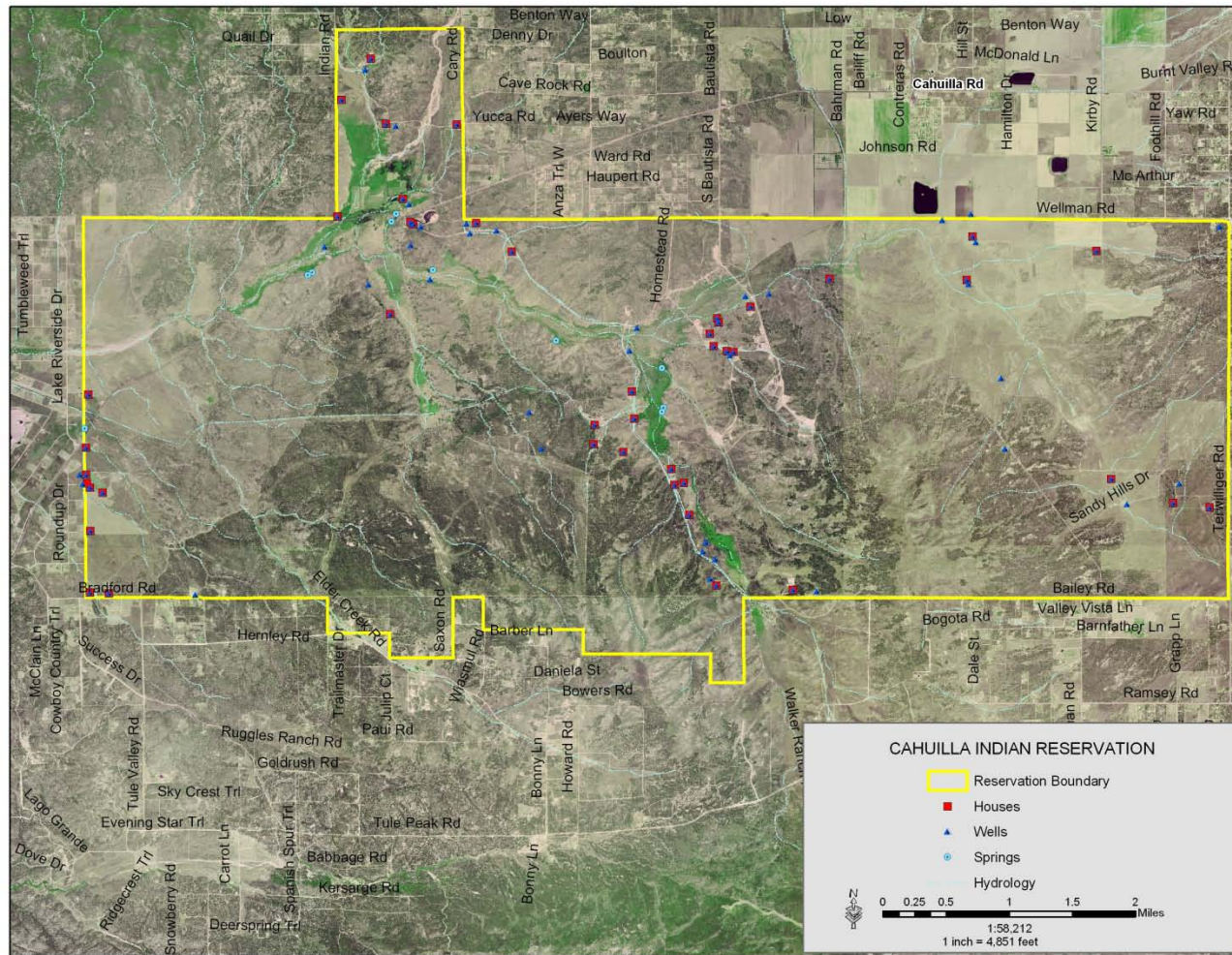


Funded under GAP

- ◆ 4 Year “Pilot” program
 - ◆ \$20,000 approved for construction
 - ◆ Waste management position and bins funded for 4 years
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Cahuilla Reservation

Approximately 20,000 Acres, 70 Homes



Design & Construction

- ◆ Limited funding under GAP (\$20K)
- ◆ 80'x80' (6,400 sq. ft.)
- ◆ 40'x40' concrete pad.
- ◆ 10'x10' storage building.
- ◆ 10' high chain link fence, 2 slide gates
- ◆ Five, 4 yard bins (20 cu. Yds. Cap.)



Operation / Economics

- ◆ Open 3 day a week
- ◆ Part time Waste tech
- ◆ Started with 5 bins
- ◆ \$300 per bin for a total of \$1,500 per month
- ◆ Bins emptied once weekly/ 4 times monthly
- ◆ Bulk bin twice yearly (\$740 each)



The Case of the Disappearing Dumpsters !!



Dumpster Optimization

- ◆ After 2 months, trash inflow decreases to just under 4 dumpsters per week (\$1,200/Mo.)
- ◆ Diversion of recyclables and green wastes gets it down to 3 (\$900/Mo.)
- ◆ Initiation of curbside pickup with limited capacity trash bins with additional recycle bins gets it down to 2 (\$600/Mo.)



Penalized by Waste Management



- ◆ \$100 per dumpster added to our monthly Bill

The Big Kahuna !



10 to 1 compaction on household refuse

What does that mean ??

1 = ~ 10 = ~ 100



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That's 400 cu. Yards of waste !!

- ◆ Do the math: At an average of 10 cu. Yds. Per week = 40 cu. Yds. Per month = 10 months
- ◆ Cost to empty = \$400 hauling + \$300 tipping.
- ◆ Total trash charges = \$1k vs. \$18k at start!!

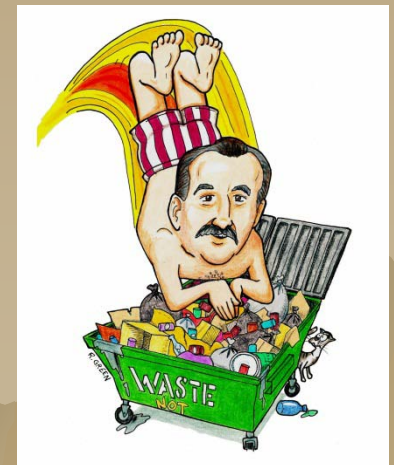


Next steps for Cahuilla solid waste program:

- ◆ Fire Waste Management – Handle all solid wastes on the Reservation.
- ◆ This includes: Casino (\$18k/year) Present Transfer Station costs (\$8k/year) TANF (\$5k/year) and Tribal Hall (\$4k/year) total of \$35k/year.
- ◆ All in close proximity – set up logistics of moving trash.

Recycling Program

- ◆ Started (officially) this year.
- ◆ Dove in small, diverting recyclables from trash brought to dumpsters.
- ◆ Purchased scales and containers
- ◆ Paying Tribal Members cash
- ◆ CRV Aluminum cans, Glass Bottles
- ◆ #1 & #2 CRV plastic
- ◆ Accept all non CRV recyclables



Storage and Handling of recyclables



Compaction – best solution



Permitting Issues in California

- ◆ In CA, need permit to pay people for CRV.
- ◆ Tribes are sovereign, do not need permit, however can only redeem \$500 per day at recycle centers.
- ◆ Must allow state inspectors on site to receive permit.



The End

