



Current operations:

- 315 trash receptacles in City parks
- Emptied when at least one-third full
- All cans are checked daily
- Labor costs for collections \$205,000 in FY08/09
 - 13 field staff expend 5,300 hours
 - Fully burdened hourly rate

Traditional trash cans:

- Service per week on average:
- Labor cost per service:
- Total cost/week:
- Cost of 80 cans

\$ 2.91

5x

\$14.50

\$1,160/week

Plan for solar-powered cans

- Use 20 to replace 80 traditional cans in City parks
 - Research shows visitors seek out compactors to dispose of trash
 - No overflowing cans

Solar-powered compacting cans:

- Service per week on average: 1 time
- Labor cost per service: \$ 2.91
- Total cost per service per week: \$ 2.91
- 20 cans' costs \$58/week
- Cost savings vs. 80 cans:

\$1,102/wk

Estimated labor savings:

- 80 trash cans x \$14.50 = \$1,160 Replaced by:
- 20 trash cans x \$ 2.91 = $\frac{$58}{}$ Weekly savings: \$1,102

\$1,102 x 52 Weeks = **\$57,304**

Other savings

Minimum savings of 400 gallons of fuel each year.

Note: 25-percent fewer collection trips actually saves approximately 800 gallons, but figure halved for attainable fuel savings target for the purpose of the grant.

Actual fuel savings could exceed 1,000 gallons/year

Base estimated annual fuel savings: \$1,200

Summary

- Labor cost savings:
- Fuel savings:
- **Total savings**

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$57,304
$ 1,200
$58,504
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Capital cost recovery = 1 year Actual capital outlay = \$0

