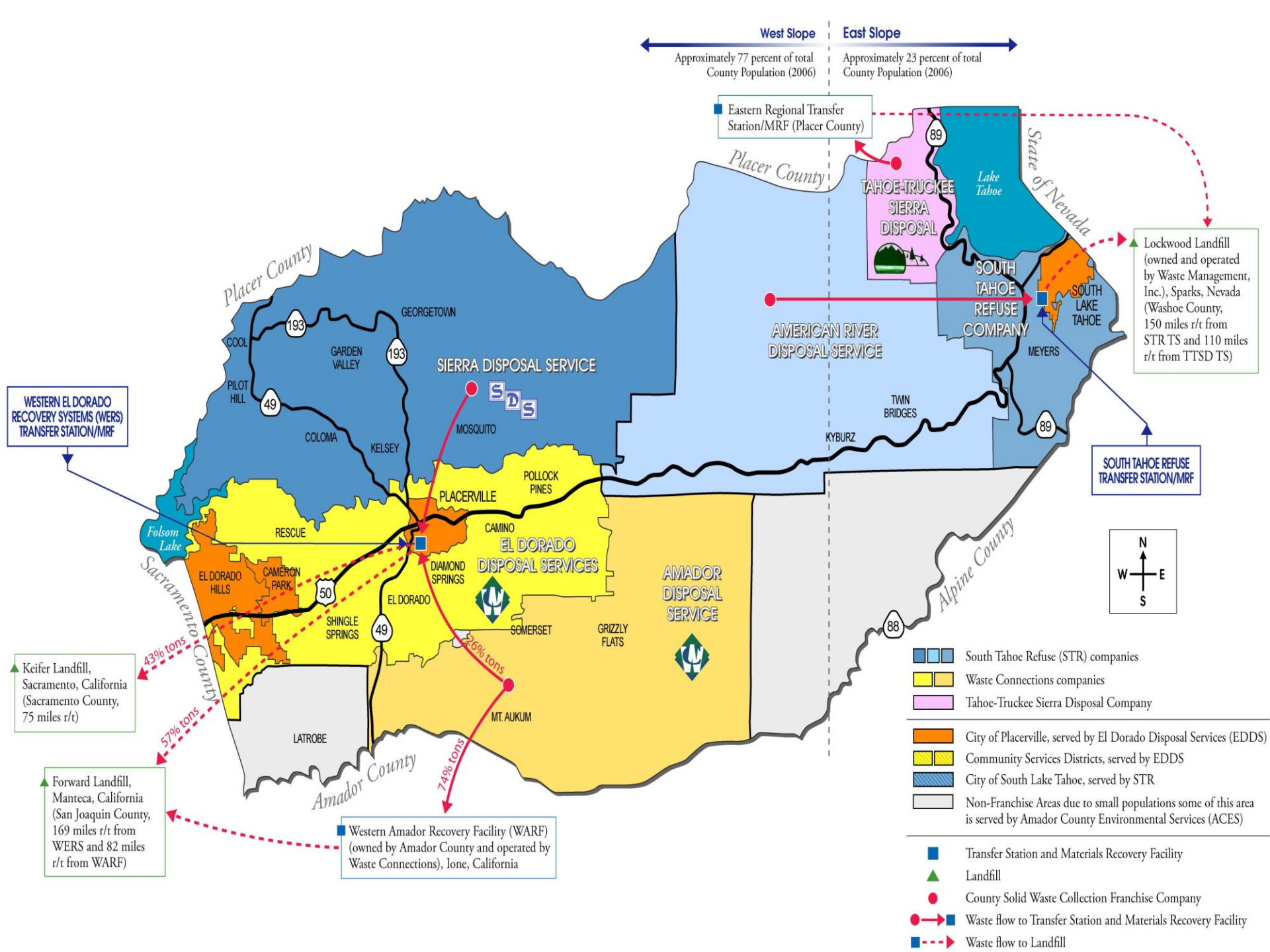
EL DORADO COUNTY

Enhanced Recycling Programs for the Unincorporated Areas of El Dorado County

Presented By: Gerri Silva, Director
Environmental Management Department
October 7, 2008


West Slope
Approximately 77 percent of total County Population (2006)
East Slope
Approximately 23 percent of total County Population (2006)
Eastern Regional Transfer Station/MRF (Placer County)
Placer County
State of Nevada
Lake Tahoe
TAHOE-TRUCKEE SIERRA DISPOSAL
SOUTH TAHOE REFUSE COMPANY
SOUTH LAKE TAHOE
MEYERS
AMERICAN RIVER DISPOSAL SERVICE
Lockwood Landfill (owned and operated by Waste Management, Inc.), Sparks, Nevada (Washoe County, 150 miles r/t from STR TS and 110 miles r/t from TTSD TS)
SOUTH TAHOE REFUSE TRANSFER STATION/MRF
WESTERN EL DORADO RECOVERY SYSTEMS (WERS) TRANSFER STATION/MRF
GEORGETOWN
COOL
GARDEN VALLEY
PILOT HILL
COLOMA
KELSEY
SIERRA DISPOSAL SERVICE
MOSQUITO
TWIN BRIDGES
KYBURZ
POLLOCK PINES
PLACERVILLE
RESCUE
CAMINO
Folsom Lake
EL DORADO DISPOSAL SERVICES
DIAMOND SPRINGS
EL DORADO HILLS
CAMERON PARK
EL DORADO
SHINGLE SPRINGS
SOMERSET
GRIZZLY FLATS
AMADOR DISPOSAL SERVICE
Sacramento County
Alpine County
Amador County
LATROBE
MT. AUKUM
43% tons
57% tons
26% tons
74% tons
Keifer Landfill, Sacramento, California (Sacramento County, 75 miles r/t)
Forward Landfill, Manteca, California (San Joaquin County, 169 miles r/t from WERS and 82 miles r/t from WARF)
Western Amador Recovery Facility (WARF) (owned by Amador County and operated by Waste Connections), Ione, California
N
W
E
S
South Tahoe Refuse (STR) companies
Waste Connections companies
Tahoe-Truckee Sierra Disposal Company
City of Placerville, served by El Dorado Disposal Services (EDDS)
Community Services Districts, served by EDDS
City of South Lake Tahoe, served by STR
Non-Franchise Areas due to small populations some of this area is served by Amador County Environmental Services (ACES)
Transfer Station and Materials Recovery Facility
Landfill
County Solid Waste Collection Franchise Company
Waste flow to Transfer Station and Materials Recovery Facility
Waste flow to Landfill

Board of Supervisors Meeting August 18, 2008

Question: Should staff research and bring back to the Board a status report and recommendation regarding new and increased recycling programs for the unincorporated area of the County?

Answer: YES

Question: Should staff's recommendations include two and three cart programs and bluebag recycling programs?

Answer: **YES**

Enhanced Recycling Program Purpose and Benefits

- Future State mandates may require Local Governments to achieve higher diversion rates:
  - 60% by December 21, 2012
  - 75% by January 1, 2020
  - Decrease landfill disposal

- How do we achieve future diversion mandates?
  - Create a comprehensive refuse collection and recycling infrastructure that will enable the County to achieve statewide mandates
  - Increase residential recycling opportunities in the six franchise areas through a standardized recycling program
    - » Blue bags (East Slope)
    - » Multi-carts (West Slope)

The Research and Evaluation Process

1. EMD required each franchisee to provide a written plan to implement an enhanced recycling program with a timeline of no later than January 1, 2009

2. EMD reviewed all responses and met with each franchisee

3. Franchisees submitted a final proposal

4. NewPoint Group reviewed proposed enhanced recycling programs:

   "The proposals provided were highly consistent with the service enhancement recommendations contained in the Solid Waste Rate and Service Study"

And they supported the incremental service enhancements and the efforts to advance the residential refuse, recycling, and yard waste collection system

The Research and Evaluation Process Cont…

5. EMD conducted a rate analysis of the proposed recycling programs. Items reviewed included:
   - Examination of financial statements including expenses and revenues associated with implementation of the programs
   - Verified the rate structure was developed within existing franchise agreement term
   - Market comparisons for capitol costs

6. EMD development of benchmark for rate structure normalization
   - Rate comparison of franchisees in unincorporated area of the County
   - Rate comparison to other franchises in the County
   - Comparison to 14 comparable jurisdictions as identified by the NewPoint Group

7. Upon Board approval of the recycling programs, appropriate rate requests will be brought back

EAST SLOPE

East Slope
Solid Waste/Recycling Programs

- **Currently**
  - A can collection system
    - American River Disposal
    - Tahoe Truckee Sierra Disposal
    - South Tahoe Refuse

- **Proposed and Recommendation**
  - Maintain the existing can collection system
  - Establish a blue bag recycling program to all current and future customers within the franchise areas

American River Disposal

- **Current**
  - Customer Count: 211 (11% of resident base)
  - No blue bags for recycling
  - No green waste program

- **Proposed and Recommendation**
  - **Recycling**
    - Blue bags provided to customers and replaced at curbside, starting January 1, 2009
  - **Green Waste**
    - Customers place green waste bag next to refuse container for collection, starting Earth Day 2009 (April 22)

- **Costs associated with the change in service level:**
  - No rate increase

Tahoe Truckee Sierra Disposal

- **Current**
  - Customer Count: 757 (44% of resident base)
  - Blue bags for recycling
  - No current green waste program

- **Proposed and Recommendation**
  - **Recycling**
    - Blue bag program will proceed unchanged
  - **Green Waste**
    - A free green waste collection event

Tahoe Truckee Sierra Disposal Conceptual Rate Increase

- **Costs associated with the change in service level:**
  - No rate increase
- **General rate request**
  - Upon review of the requested information by the Environmental Management Department, an appropriate duly noted public hearing will be scheduled to address the rate request

South Tahoe Refuse

- **Current**
  - Customer Count: 6,190 (100% of resident base)
  - No blue bags for recycling
  - No green waste program

- **Proposed and Recommendation**
  - **Recycling**
    - Blue bag pilot program
    - Blue bags provided to customers and replaced at curbside
    - Roll out to Upper Truckee residential customers on January 1, 2009 (~1,383 customers)
    - Roll out to all customers Earth Day 2009 (April 22)
  - **Green Waste**
    - Pilot project on Earth Day 2009 (April 22)

South Tahoe Refuse Conceptual Rate Increase

- **Costs associated with the change in service level**
  - The South Lake Tahoe Basin Waste Management Authority (SLTJPA) to consider funding the blue bag program costs for the first year
  - If approved, there will be no associated rate increase for the first year of the program

- **General Rate Request**
  - STR is requesting an increase of 8% effective January 1, 2009
    - STR's 2009 Annual Summary calculates a revenue shortfall for the El Dorado County franchise area
    - Have reduced costs - labor expenses, pension expense, repairs, maintenance and fuel expense

	Current Rate	**Proposed Rate**
Unlimited Service	**$24.32**	**$26.27**

The rate request will be brought back for Board approval.

East Slope Recycling Program Summary

- **Proposed and Recommendation**
  - Maintain the existing can collection system
  - Establish a blue bag recycling program to all current and future customers within the franchise areas
  - Establish a green waste collection program

WEST SLOPE

West Slope
Solid Waste/Recycling Programs

- **Currently**
  - Can and Cart Collection System
    - El Dorado Disposal Service
    - Amador Disposal Service
    - Sierra Disposal Service

- **Proposed and Recommendation**
  - Establish a multi-cart collection system to all current and future customers within the franchise service areas

El Dorado Disposal Service

- **Current**
  - Customer Count: 13,671 (68% of resident base)
  - Carts, blue bags or bins for recycling
  - Carts for green waste collection

- **Proposed and Recommendation**
  - **Three Cart Program (all customers)**
    - **Refuse**
      - 32, 64 or 96 gallon carts
    - **Recycling**
      - 64 or 96 gallon carts
    - **Green Waste**
      - 96 gallon carts
      - Additional Community Clean Up Day

El Dorado Disposal Conceptual Rate Increase

- **Costs associated with change in service level:**
  - **Tiered rate**:
    - Encourage recycling
    - Majority of El Dorado Disposal Franchise Area utilize a 32g container
    - Least amount of impact on the majority of EDDS' residential customers (32g container)

Residential		**Residential**	
Current Rate w/ Fuel		**Three Cart Rate w/ Fuel**	
1 32g Can	**$18.80**	**1 32g Cart**	**$20.95**
1 64g Cart	**$28.18**	**1 64g Cart**	**$28.18**
1 96g Cart	**$28.85**	**1 96g Cart**	**$32.59**

The rate request will be brought back for Board approval

Amador Disposal Service

- **Current**
  - Customer Count: 2,005 (69% of resident base)
  - Blue bags for recycling
  - No green waste program

- **Proposed and Recommendation**
  - **Two Cart Program (all customers)**
    - **Refuse**
      - 32, 64 or 96 gallon refuse carts
    - **Recycling**
      - 64 or 96 gallon carts
  - **Green Waste**
    - Additional Clean Up Day in Shingle Springs/Latrobe Area

Amador Disposal
Conceptual Rate Increase

- **Costs associated with change in service level and general rate request:**
  - **New Service Level Tiered Rate**
    - Encourage recycling
    - Majority of Amador Disposal Franchise Area utilize a 32g container
    - Least amount of impact on the majority of Amador's residential customers (32g container)
  - **General Rate Request**
    - Amador requesting an increase of 15% due to a revenue shortfall and 1.37% fuel surcharge
    - The establishment of these rates brings Amador in line with other franchises providing the same level of service

Residential		**Residential**		**Residential**	
Current Rate		**Rate w/ 15% Rate Increase & 1.37% fuel surcharge**		**Two Cart Rates for Enhanced Program (Inclusive of 15% rate Increase & 1.37% fuel surcharge)**	
1 32g Can	**$14.13**	**1 32g Can**	**$16.47**	**1 32g Cart**	**$20.95**
2 x 32g Cans	**$20.90**	**2 x 32g Cans**	**$24.35**	**1 64g Cart**	**$28.18**
1 96g Cart	**$25.69**	**1 96g Cart**	**$29.93**	**1 96g Cart**	**$32.59**

The rate request will be brought back for Board approval

Sierra Disposal Services

- **Current**
  - Customer Count: 4,661 (63% of resident base)
  - Blue bags for recycling
  - Partner with El Dorado Fire Safe Council for green waste drop boxes

- **Proposed and Recommendation**
  - **Two Cart Program (phased program)**
    - **Refuse**
      - 32, 64 or 96 gallon refuse carts
    - **Recycling**
      - 64 or 96 gallon carts
  - **Green Waste**
    - Proceed unchanged

Sierra Disposal
Conceptual Rate Increase

- **Costs associated with the change in service level and rate increase:**
  - **New Service Level Tiered Rate**
    - Encourage recycling
    - Majority of Sierra Disposal Franchise Area utilize a 32g container
    - Least amount of impact on the majority of Sierra's residential customers (32g container)
  - **Rate Request**
    - Sierra is requesting an increase of 4.03%
    - The establishment of these rates brings Sierra in line with other franchises providing the same level of service

Residential Current Rate		Residential Rate with 4.03% Rate Increase		Residential Two Cart Rate (Inclusive of 4.03% Rate Increase)	
1 32g Can	$18.42	1 32g Can	$19.16	1 32g Can	$20.96
2 x 32g Cans	$26.31	2 x 32g Cans	$27.13	1 64g Cart	$29.94
1 96g Cart	N/A	1 96g Cart	N/A	1 96g Cart	$34.01

The rate request will be brought back for Board approval.

West Slope Recycling Program Summary

- **Proposed and Recommendation**
  - Replace the existing customer can/blue bag system with a multi-cart collection system within the franchise service areas
    - El Dorado Disposal – 3 cart program
    - Amador Disposal and Sierra Disposal – 2 cart program
  - Additional green waste community events

West Slope
Unincorporated Rate Normalization

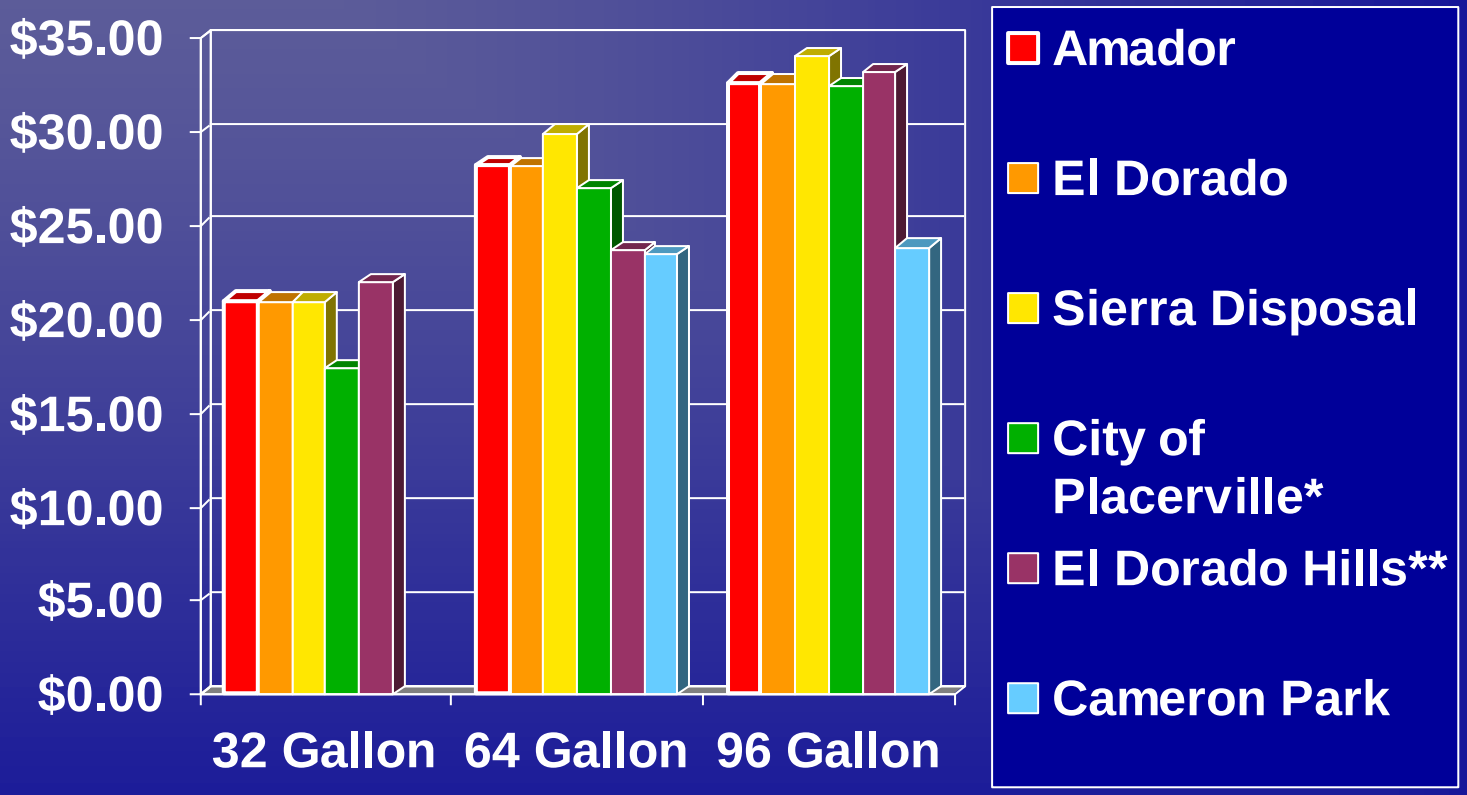
	Proposed El Dorado Disposal	Proposed Amador Disposal	Proposed Sierra Disposal
32g Cart	$ 20.95	$ 20.95	$ 20.96
64g Cart	$ 28.18	$ 28.18	$ 29.94
96g Cart	$ 32.59	$ 32.59	$ 34.01

West Slope
Rate Normalization

	Proposed El Dorado Disposal	Proposed Amador Disposal	Proposed Sierra Disposal	City of Placerville *	Cameron Park	El Dorado Hills **
32g Cart	$ 20.95	$ 20.95	$ 20.96	$ 17.37	$	$ 22.00
64g Cart	$ 28.18	$ 28.18	$ 29.94	$ 27.02	$ 23.48	$ 23.70
96g Cart	$ 32.59	$ 32.59	$ 34.01	$ 32.42	$ 23.85	$ 33.21

**The City of Placerville rates are based on implementation of mandatory service within 4 years.*
***The goal in El Dorado Hills, was to keep the 64 gallon container rate as low as possible.*

West Slope
Proposed Rate Normalization



**The City of Placerville rates are based on implementation of mandatory service within 4 years.*
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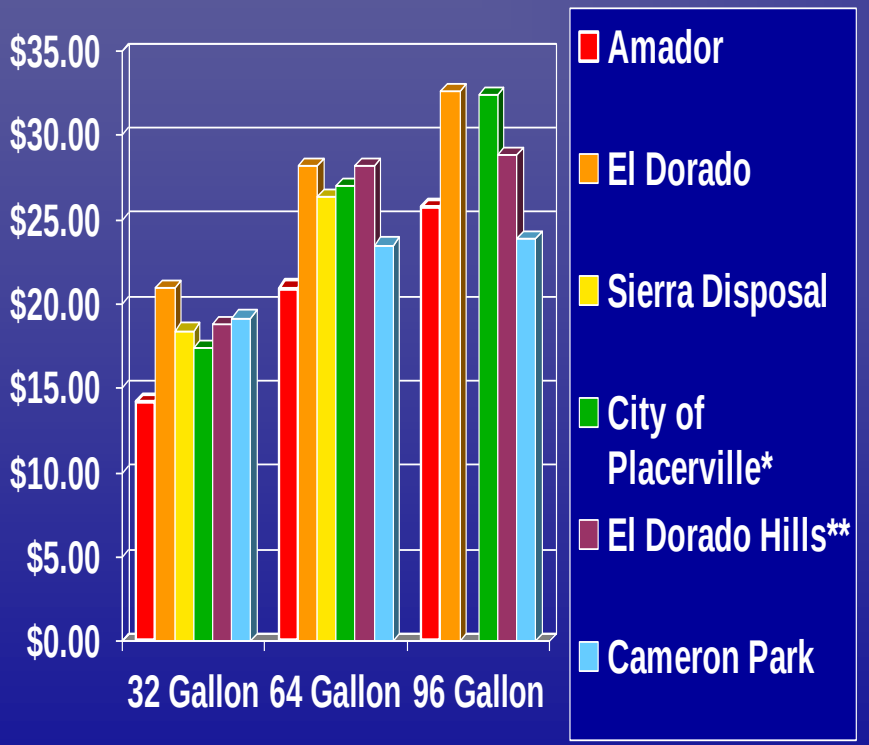
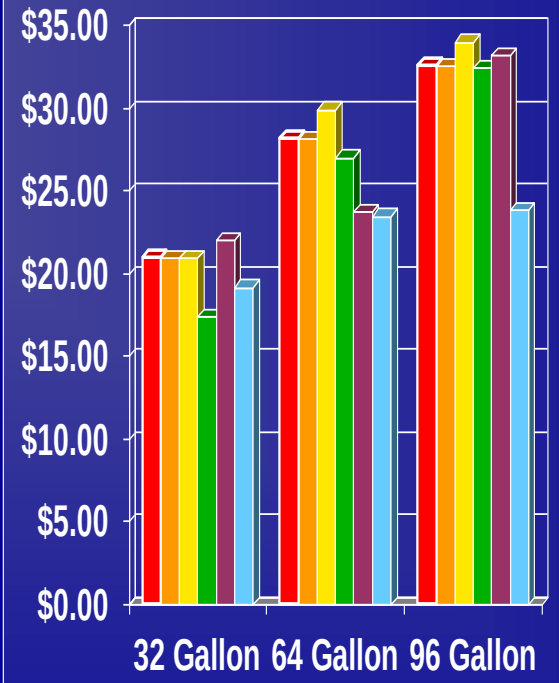
West Slope
Comparison of Rates

Current Rates



Proposed Rates



Benefits of Enhanced Recycling in El Dorado County

1. Implementation of these recycling programs now will enable the County to meet future recycling and diversion mandates
2. Increase recycling opportunities in the six franchise areas through a standardized recycling program
3. Consistent recycling service throughout franchise areas
4. Consistent with and supported by the NewPoint Group Solid Waste and Rate Service Study
5. Decrease landfill disposal
6. Normalization of rate structure
7. Community support to participate in curbside recycling

Recommendations

- Adopt Resolutions increasing the recycling service levels within each Franchise Area
- As appropriate, direct the Environmental Management Department to conduct a duly noted public hearing at the Board of Supervisors meeting on November 18, 2008, regarding rates

Thank You

- South Tahoe Refuse, Inc.
- Waste Connections, Inc.
- Tahoe Truckee Sierra Disposal
- The NewPoint Group
- Environmental Management Staff

Questions