



El Dorado County Solid Waste Management Plan

P R E S E N T A T I O N

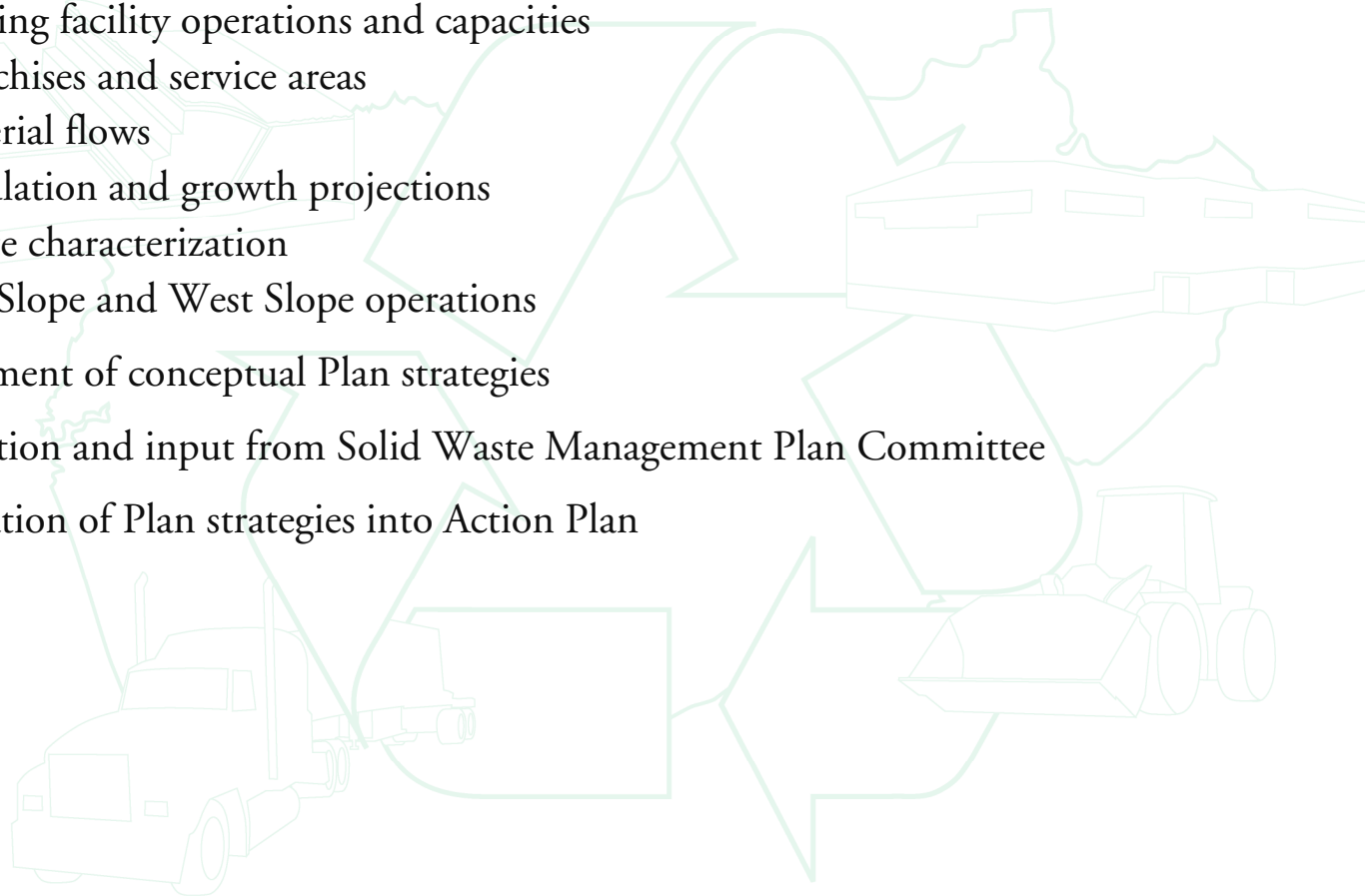
January 31, 2012



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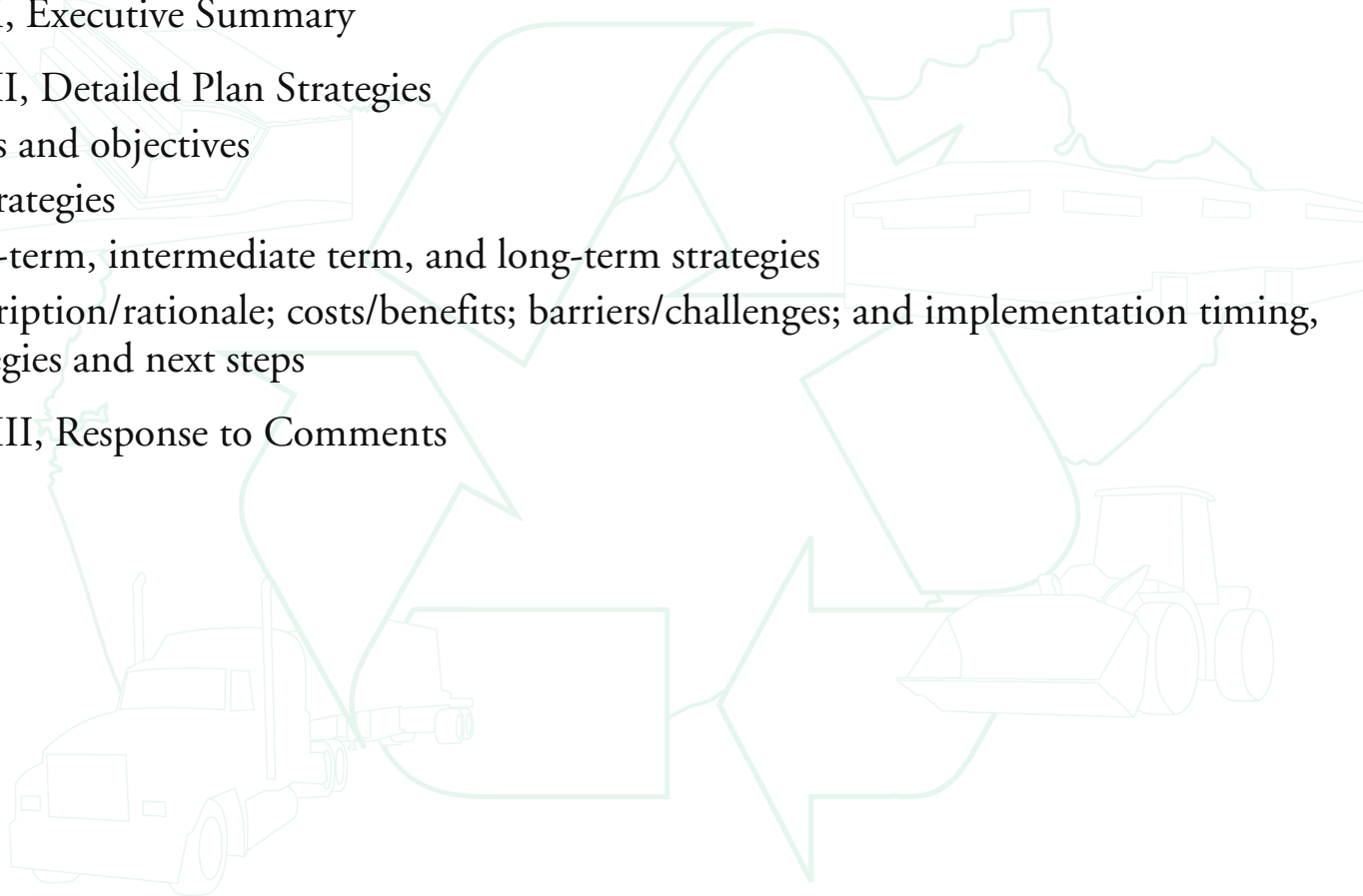
1. Plan Scope and Approach

- Obtain and review background data
 - Existing facility operations and capacities
 - Franchises and service areas
 - Material flows
 - Population and growth projections
 - Waste characterization
 - East Slope and West Slope operations
- Development of conceptual Plan strategies
- Participation and input from Solid Waste Management Plan Committee
- Prioritization of Plan strategies into Action Plan



2. Organization of Plan

- Action Plan
- Volume I, Executive Summary
- Volume II, Detailed Plan Strategies
 - Goals and objectives
 - 42 strategies
 - Near-term, intermediate term, and long-term strategies
 - Description/rationale; costs/benefits; barriers/challenges; and implementation timing, strategies and next steps
- Volume III, Response to Comments



3. Plan Goals

1. Minimize waste generation
2. Increase waste diversion
3. Reduce illegal disposal
4. Reduce greenhouse gas emissions
5. Reduce improper disposal of hazardous waste
6. Increase jurisdiction cooperation and coordination through Joint Powers Authorities or other mechanisms
7. Identify, develop and enhance waste management programs
8. Identify and develop necessary in County facilities
9. Adopt stable, long-term, sustainable funding mechanisms and waste reduction incentives
10. Identify performance metrics and a process to track progress towards goals

4. Jurisdictional Cooperation

- Develop a West Slope Joint Powers Authority (WESJPA) (Strategy 1.1) comprised of:
 - City of Placerville
 - Cameron Park Community Services District (CPCSD)
 - El Dorado Community Services District (EDCSD)
 - El Dorado County (unincorporated)
- Pursuant to Title 1, Division 7, Chapter 5, Article 1 (Section 6500, et seq.) of the Government Code of the State of California
- Goals and objectives
- Similar to South Lake Tahoe Waste Management Authority
- Sample JPA agreement in Exhibit 4-2
- Jurisdictions keep their autonomy and franchise oversight

5. Near-Term Strategies Planned (through 2016)

Program Strategies

- 1. Enhance and enforce Construction and Demolition (C&D) ordinance (strategy 2.5)**
 - Strengthen requirements to comply with State law (*California Green Building Standards*)
 - Prepare for potential diversion resulting from future construction
- 2. Implement mandatory commercial recycling (strategy 2.4)**
 - Commercial entities generate about 50 percent of the waste disposed within the County
 - Significant diversion potential
 - Required by statewide law in July, 2012
- 3. Enhance community recycling (strategy 2.8)**
 - Expand school recycling programs (reducing costs, adding educational benefits)
 - Expand parks recycling programs
 - Add recycling carts and bins to community facilities (fairgrounds, locations requiring County permit)

5. Near-Term Strategies Planned (through 2016) *(continued)*

Program Strategies *(continued)*

4. Enhance home composting (strategy 2.13)

- Approximately 50 percent of single family residential waste is food and other organics
- Provide a low cost alternative for diverting yard and food waste
- Offer education and outreach

5. Expand use of curbside recycling (strategy 2.6)

- Currently, varying recycling methods (some areas mandatory, some areas no recycling)
- Increase use of cart-based service
- Provide two-cart service to West Slope customers that subscribe to service (evolve away from current blue bag system)
- Phase in single stream curbside recycling

6. Use greater pay-as-you-throw (PAYT) pricing (strategy 2.2)

- Currently, modest PAYT rate structures
- Implement PAYT rate structures
- Create economic incentive to reduce waste

5. Near-Term Strategies Planned (through 2016) *(continued)*

Program Strategies *(continued)*

7. Expand mandatory residential collection ordinance (strategy 1.4)

- Implement based on trigger of when 85 percent of customers in an area subscribe
- Provide provisions for exclusions (e.g., long, narrow, steep driveways)
- Consider unique service area challenges and costs, which may restrict mandatory service
- With Board of Supervisor approval

8. Others

- Expand purchasing preference practices
- Identify appropriate performance metrics

5. Near-Term Strategies Planned (through 2016) *(continued)*

Infrastructure Strategies

1. Extend Use of West Slope MRF (strategy 1.3)

- Current franchise ends in 2014
- West Slope jurisdictions will need to use the facility
- Maintain until a viable, cost effective, alternative identified
- Depending on economic conditions, phase in clean MRF sort line
- Upgrade configuration to manage single stream recyclables

2. Develop West Slope Construction and Demolition (C&D) Processing Facility (strategy 3.9)

- Significant diversion potential
- Align with greater enforcement of C&D ordinance
- WERS not set up for large C&D volumes
- Locate close to projected center of new construction, near El Dorado Hills

6. Intermediate Strategies (2017 to 2025)

Program Strategies

1. Food waste programs

- Develop commercial food waste collection program (strategy 2.12)
- Develop residential food waste collection program (strategy 2.16)
- Conduct outreach and education
- Provide bins for compostable materials
- Collect and compost materials

2. Implement new waste reduction actions (strategy 2.1)

- Develop facility audit program components
- Conduct facility audits

3. Expand types of recyclables collected curbside (strategy 2.11)

4. Develop community composting programs (strategy 2.15)

5. Reduce emissions from collection vehicles (strategy 2.18)

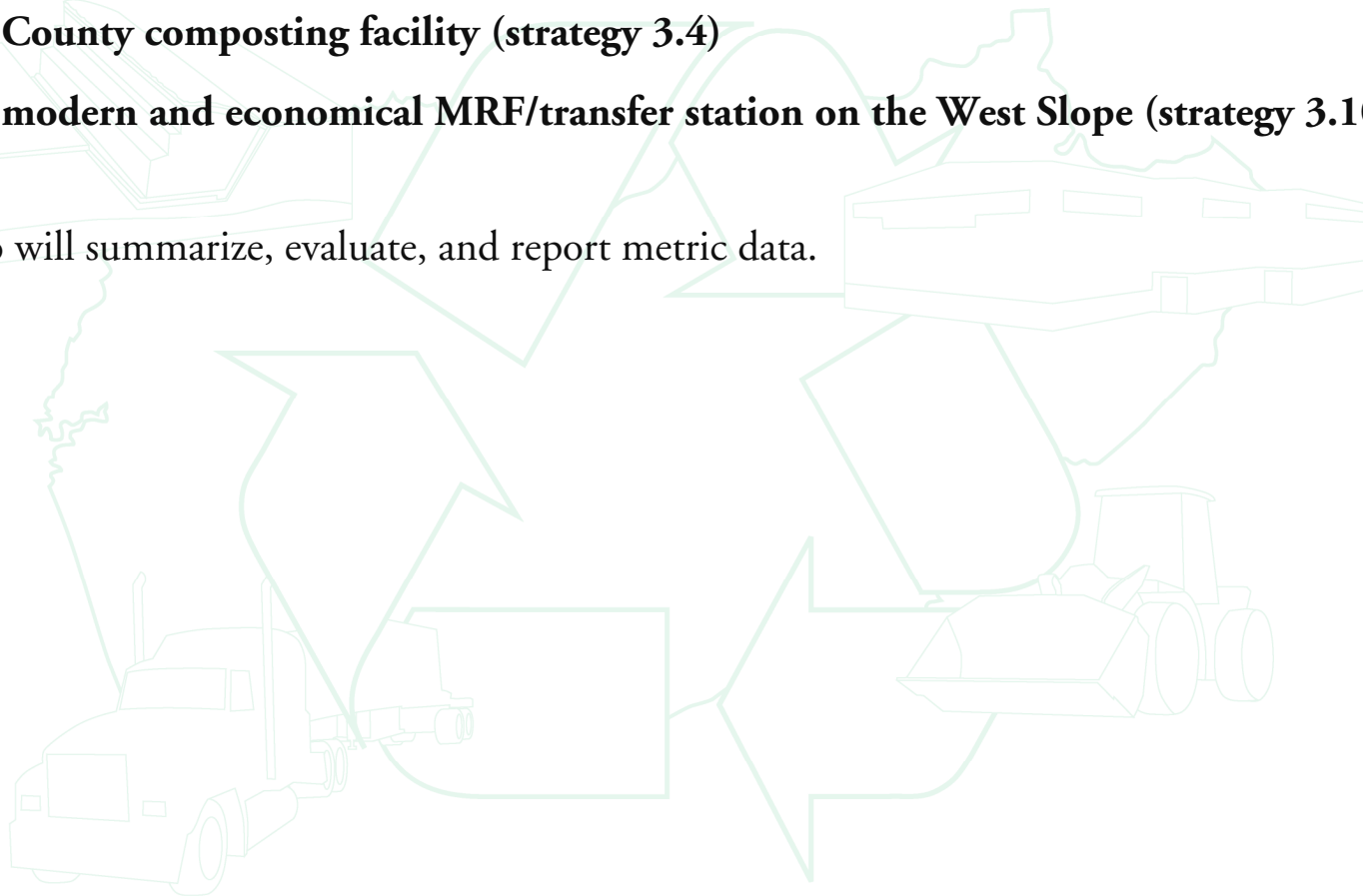
6. Create new funding sources (strategy 4.5)

6. Intermediate Strategies (2017 to 2025) *(continued)*

Infrastructure Strategies

1. **Develop County composting facility (strategy 3.4)**
2. **Develop modern and economical MRF/transfer station on the West Slope (strategy 3.10)**

The County also will summarize, evaluate, and report metric data.



7. Long-Term Strategies (2026 to 2040)

Program Strategies

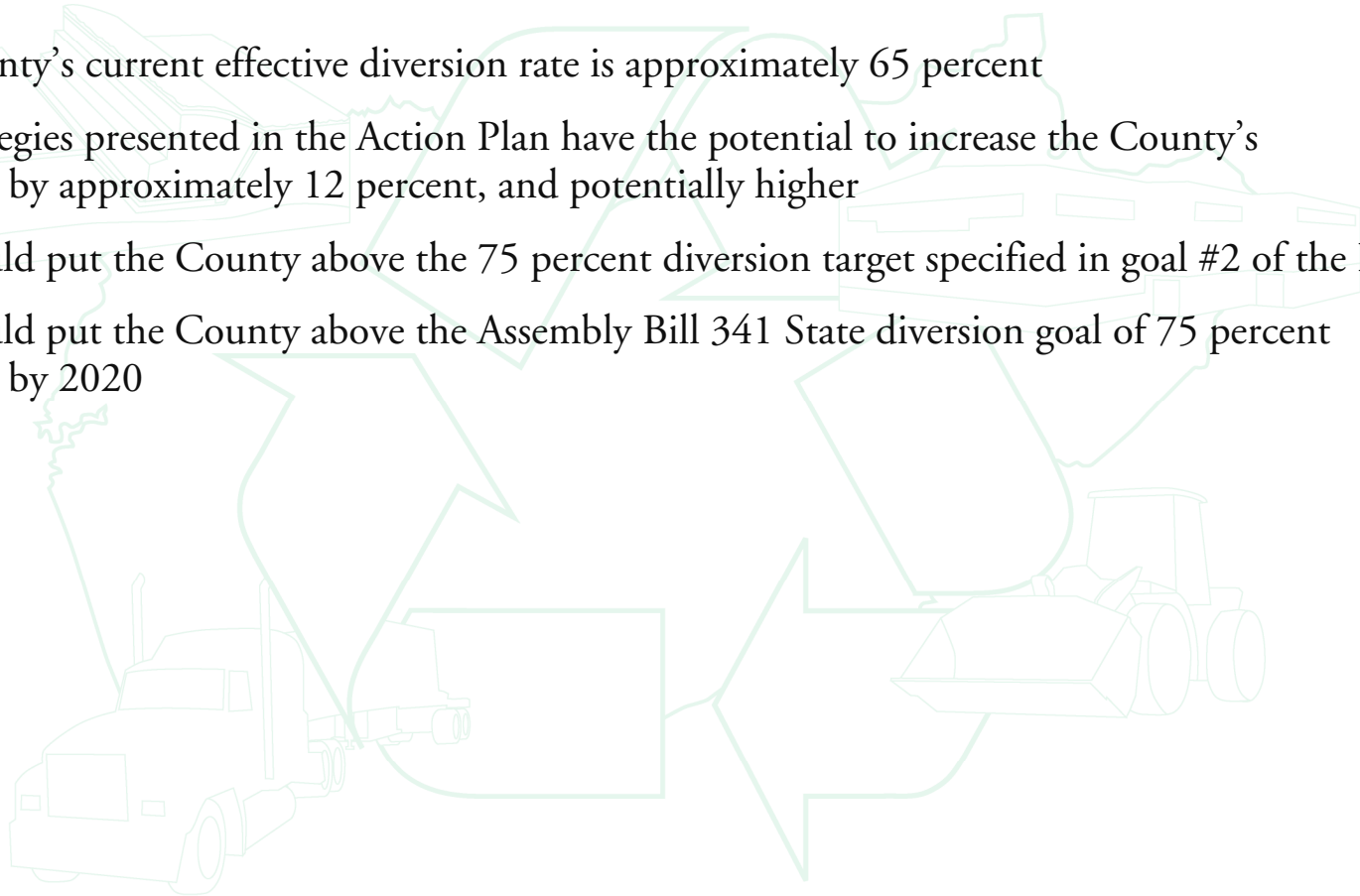
1. Prepare for possible elimination of residential yard waste burning on West Slope (strategy 2.14)
2. Use advanced technologies for collection trucks and vehicles (strategy 2.19)

Infrastructure Strategies

1. Develop West Slope EcoPark (strategy 3.2)
2. Re-Open Union Mine Landfill (strategy 3.3)
3. Plan for conversion technologies, if economically and operationally feasible (strategy 3.6)
4. Upgrade South Lake Tahoe MRF (strategy 3.8)
 - Redesign dirty MRF sort line for single stream recyclables (collected from residents and some businesses)
 - Purchase and install sorting equipment
 - Subject to economic considerations

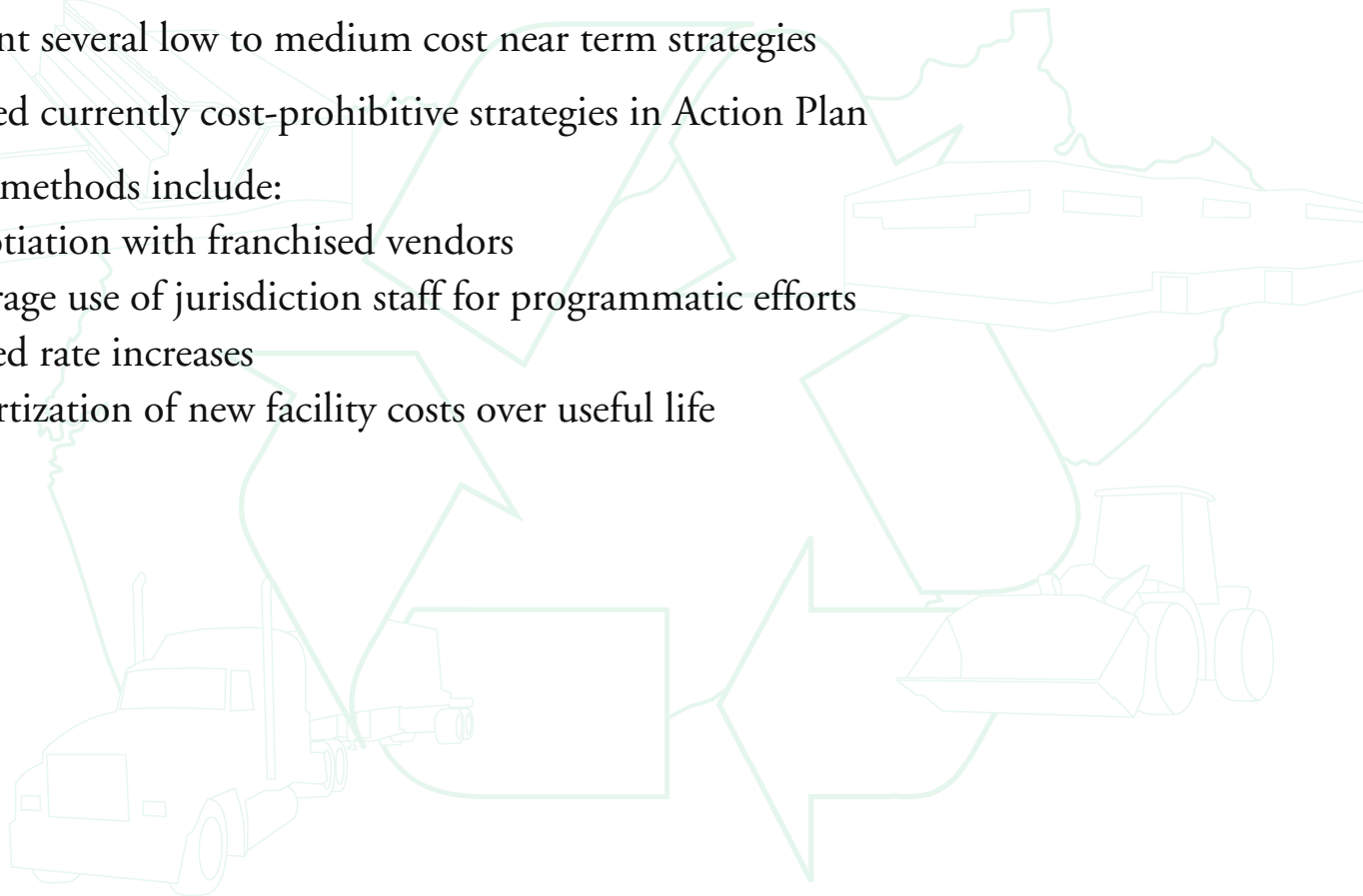
8. Impacts to Diversion Levels from Planned Strategies

- The County's current effective diversion rate is approximately 65 percent
- The strategies presented in the Action Plan have the potential to increase the County's diversion by approximately 12 percent, and potentially higher
- This would put the County above the 75 percent diversion target specified in goal #2 of the Plan
- This would put the County above the Assembly Bill 341 State diversion goal of 75 percent diversion by 2020



9. Strategy Funding Methods

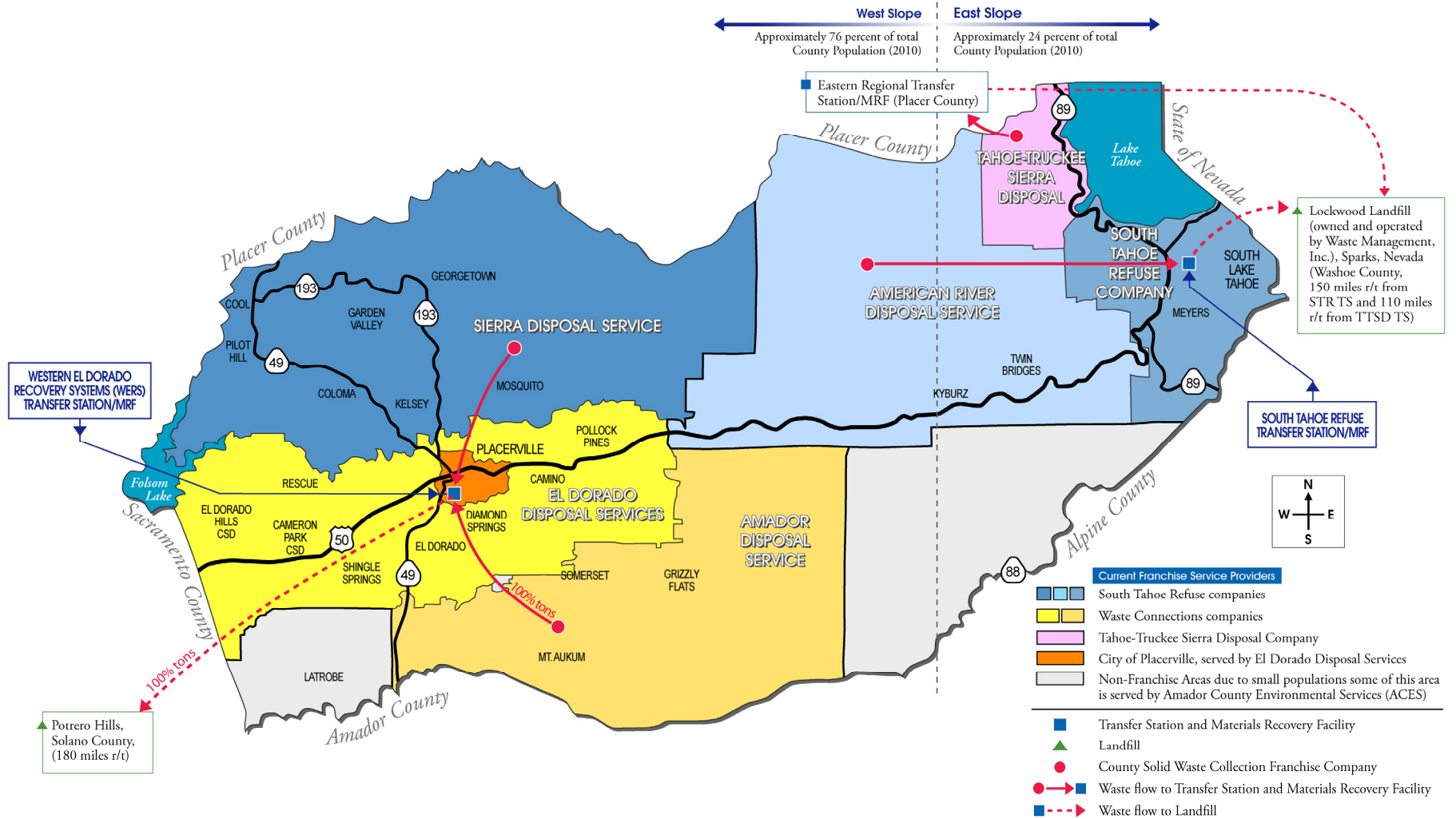
- Careful consideration of cost-benefits in Action Plan
- Implement several low to medium cost near term strategies
- Minimized currently cost-prohibitive strategies in Action Plan
- Funding methods include:
 - Negotiation with franchised vendors
 - Leverage use of jurisdiction staff for programmatic efforts
 - Phased rate increases
 - Amortization of new facility costs over useful life





Appendices

A. Integrated Waste Management System



B. El Dorado County Population Estimates by Region (2005 to 2030)

Region	2005	2010	2015	2020	2025	2030	Growth 2010 to 2020	Growth 2020 to 2030
Northwest County	21,092	21,136	21,203	21,413	21,581	21,598	1.3%	0.9%
El Dorado Hills	31,222	36,000	41,511	47,042	51,938	57,344	30.7%	21.9%
Cameron Park	13,629	14,786	14,988	15,620	15,770	15,786	5.6%	1.1%
West Central County	40,635	43,025	43,402	44,582	45,462	45,553	3.6%	2.2%
Mt. Aukum-Grizzly Flat	13,950	13,993	13,999	14,017	14,268	14,294	0.2%	2.0%
Greater Placerville	18,415	18,818	18,941	19,326	19,852	19,906	2.7%	3.0%
El Dorado High Country	3,147	3,174	3,168	3,151	3,263	3,275	-0.7%	3.9%
Tahoe Basin Area	6,993	7,000	7,033	7,055	7,076	7,098	0.8%	0.6%
South Lake Tahoe	23,904	24,087	24,329	24,573	24,820	25,069	2.0%	2.0%
Total	172,987	182,019	188,574	196,779	204,030	209,923	8.1%	6.7%