



**First Amendment to Agreement No. 026-A-09/10-BOS  
Between the County of El Dorado and  
NewPoint Group Management Consultants**

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**THIS FIRST AMENDMENT TO AGREEMENT NO. 026-A-09/10-BOS** made and entered by and between the County of El Dorado, a political subdivision of the State of California (hereinafter referred to as "County"), and NewPoint Group Management Consultants, whose principal place of business is 2555 Third Street, Suite 215, Sacramento, California 95818 (hereinafter referred to as "Consultant").

**W I T N E S S E T H**

**WHEREAS**, County has determined that in order to complete the implementation of the Countywide Solid Waste Management Plan, as needed by County, scope of services shall be revised, the parties hereto have mutually agreed to amend Article I; and,

**WHEREAS**, County has determined that in order to complete the implementation of the Countywide Solid Waste Management Plan, as needed by County, said project shall extend until June 30, 2012, the parties hereto have mutually agreed to amend Article III.

**NOW, THEREFORE**, County and Consultant mutually agree that Agreement No. 026-A-09/10-BOS be amended a first time as follows:

**ARTICLE I**

**Scope of Services:** Consultant shall perform all professional and technical services and shall make available Consultants own personnel, materials and equipment necessary to perform the services, work, and tasks designated as outlined in Exhibit "A" marked "Amended Scope of Work" attached hereto and incorporated herein.

**ARTICLE III**

**Term:** This Agreement shall be amended to extend for one (1) year, expiring on June 30, 2012.

All other sections of the Agreement No. 026-A-09/10-BOS, dated the 25<sup>th</sup> day of May, 2010 shall remain unchanged and in full force.

**REQUESTING DEPARTMENT CONCURRENCE:**

**By:** \_\_\_\_\_

**Dated:** \_\_\_\_\_

**Gerri Silva, M.S., REHS  
Director Environmental Management Department**

**IN WITNESS WHEREOF**, the parties hereto have executed this First Amendment to Agreement No. 026-A-09/10-BOS the day and year last below written.

**- - COUNTY OF EL DORADO - -**

**Dated:** \_\_\_\_\_

**By:** \_\_\_\_\_  
**Chair**  
**Board of Supervisors**

**ATTEST:**

**Dated:** \_\_\_\_\_

**By:** \_\_\_\_\_  
**Suzanne Allen de Sanchez, Clerk of the**  
**Board of Supervisors**

**- - CONSULTANT - -**

**Dated:** \_\_\_\_\_

**By:** \_\_\_\_\_  
**NewPoint Group Management Consultants**  
**2555 Third Street, Suite 215**  
**Sacramento, CA 95818**

# **EXHIBIT “A”**

## **Amended Scope of Work**

## SCOPE OF WORK

This Scope of Work is to develop a comprehensive Countywide Solid Waste Management Plan (SWMP) for the County of El Dorado. The purpose of this SWMP is to provide the County with both a short-term and long range strategic “roadmap” to use in planning for a potential coordinated countywide solid waste agency (e.g. Joint Powers Authority), facility development, franchise negotiations, programs and services, waste flow management (in-County and out-of-County), and waste stream diversion. The SWMP will be complementary to the Integrated Waste Management Plan, and focus on areas that were not previously developed, and/or that now, fourteen years later, require development.

In developing this SWMP, the key areas that shall be focused on are as follows:

### A. Project Management

#### 1. Perform Project Management

- a. Meet with the Environmental Management Department (EMD) project management team to review work plan, clarify project goals and objectives, and agree on guidelines and timing
- b. Monitor project progress
- c. Conduct periodic status update meetings (via telephone or in person) with the EMD project management team

### B. Project Metrics

#### 1. Develop Profile of Current Solid Waste Management System.

- a. Obtain and review baseline solid waste data provided by the County and franchised companies (tonnages, material types, material flows)
- b. Obtain and review County solid waste management characteristics, policies, ordinances, franchise areas, franchises, and maps
- c. Determine from the County current refuse, recycling, and yard waste services and service levels (for residential and commercial services)
- d. Obtain and review from the County current facility capabilities, throughputs, diversion levels and maximum diversion potential; self haul rates; and permitted capacities (e.g., at the Western El Dorado Recovery Systems (WERS) Transfer Station/Materials Recovery Facility, the current South Tahoe Refuse (STR) Transfer Station MRF, and the in-process STR East Slope Resource Recovery Facility)

#### 2. Develop Population and Waste Generation Projections Through 2030.

- a. Obtain and review population projection data for El Dorado County from the County (including each jurisdiction within the County) from the California Department of Finance, Demographic Research Unit
- b. Obtain and review population projection options (including population densities) for El Dorado County for 2020, and 2030, provided by the County
- c. Obtain and review ten (10)-year forecasts for County solid waste generation and composition, utilizing population data, waste generation data from Task B, and expected improvements in recycling and waste reduction (data provided by County)
- d. Obtain and review twenty (20)-year forecasts for County solid waste generation and composition, utilizing population data, waste generation data from Task B, and expected improvements in recycling and waste reduction (data provided by County)

C. Solid Waste Management Vision

1. Develop Vision for a County Solid Waste Management System

- a. Assist the County to identify County short and long range goals for future County solid waste system (e.g., transfer stations, material recovery facilities (MRFs), landfills, compost facilities, drop boxes, in-County facilities, out-of-County facilities, franchised areas)
- b. Assist County to identify short and long-range refuse, recycling, and yard waste services and service levels (including proposed new programs and services), by County area
- c. Assist County to identify short and long-range opportunities for service level, and potential rate, and rate structure, normalizations across County areas
- d. Assist County to identify short and long-range County system-wide diversion goals
- e. Identify gaps in facilities based on current, and projected, waste generation
- f. Assist County to develop a “strawman” short range facilities and programs vision through 2030, to be modified and finalized, as appropriate, over the course of the project
- g. Circulate the “strawman” document for comment by the EMD and Solid Waste Working Committee

D. West Slope Joint Powers Authority

1. Conduct an Analysis of a Proposed West Slope Joint Powers Authority (JPA)

- a. Identify and analyze organizational alternatives and issues for a West Slope JPA
  - b. Identify and analyze pros and cons, including benefits and limitations, of a West Slope JPA related to:
    - Overlapping jurisdictional issues
    - Solid waste processing and final disposal
    - Complying with State mandated solid waste reduction and diversion
    - Directing material flow from multiple jurisdictions to a single facility
    - Negotiating more favorable facility operating and disposal agreements
  - c. Identify potential costs, and savings, associated with implementing a West Slope JPA
2. Prepare a Conceptual Template for a West Slope Joint Powers Authority
    - a. Summarize the basic structure of a West Slope JPA
    - b. Identify general roles and responsibilities of the JPA, and member, agencies
    - c. Identify implementation steps for a West Slope JPA
- E. Solid Waste Facilities and Alternatives
1. Evaluate Development of Clean Versus Dirty MRF Alternatives for the West Slope.
    - a. Identify and analyze the potential pros, and cons, of utilizing a clean or dirty MRF on the West Slope (e.g., in areas such as community support, customer behavior change requirements, collection equipment requirements, MRF equipment requirements, MRF processing and handling requirements, recovered materials quality, recovered materials quantity, diversion impacts, and recycled materials sales)
    - b. Determine implications of clean versus dirty MRF on residential and commercial customer service levels (trucks and equipment, and carts)
    - c. Prepare recommendations for development of a clean or dirty MRF, based on analyses
  2. Evaluate Present and Future MRF Requirements for the West Slope
    - a. Estimate present, and future, MRF material throughput, and capacity requirements (in tons), for the West Slope
    - b. Estimate future MRF capacity problems with current West Slope system (e.g., smaller site footprint at the Western El Dorado Recovery Systems (WERS) facility, restricted self-haul traffic flow/logistics,

- c. Estimate impacts to future MRF requirements from non-County area tonnages (e.g., from cities and sanitary districts)
  - d. Identify general logistics for future MRF (including County populations served, self-haul traffic levels, transportation queuing and access, and facility acreages)
3. Identify a Preferred General Location for a West Slope MRF
- a. Identify existing locations of waste generation volumes and key areas for future growth
  - b. Leverage prior efforts by the County to identify a preferred MRF alternative location (i.e., prior studies, Board consideration, and CEQA efforts)
  - c. Identify key site selection criteria, including overall circulation and access, acreage, land uses, site footprint, population densities, and “NIMBY” concerns
  - d. Identify overlap and/or consistency with other West Slope solid waste facilities and franchise boundaries
  - e. Develop a broad economic analysis of alternative West Slope MRF locations
  - f. Compare preferred MRF alternative locations with current West Slope MRF location
  - g. Develop rationale for preferred general location based on site selection criteria
4. Evaluate County Ownership Structures for Future Solid Waste Facilities.
- a. Identify and describe ownership structure alternatives, including full County ownership, partial County ownership, and no County ownership
  - b. Identify pros, and cons, of each ownership/control alternative, including risks to the County (pros might include long-term facility and operations stability, one-time payment for facility and equipment costs, low cost land or use of existing County sites, and potentially beneficial operating contracts. Cons might include less facility flexibility and potential liability risks)
  - c. Identify potential costs and benefits of each alternative, including process requirements, ratepayer impacts, quality of service impacts, service level impacts, system cost impacts, and logistical impacts
  - d. Prepare recommendations on County ownership structures for future solid waste facilities
5. Evaluate Self-Haul Practices and Implications for Facilities.

- a. Obtain and analyze data on self-haul practices in the County (areas, customer usage levels, tonnages, material types, and mandatory collection)
  - b. Analyze pros and cons of self-haul and implications related to illegal disposal, both current, and future
  - c. Develop recommendations related to self-haul practices in the County
6. Evaluate Potential Utilization of the Union Mine Disposal Site
- a. Review historical documents concerning the current permit status of the site, geotechnical conditions, existing site systems, permitted capacity, and potential environmental impacts
  - b. Identify remaining useful life of Union Mine disposal site in current configuration
  - c. Determine potential expansion capabilities for Union Mine disposal site, and associated costs
  - d. Identify facility improvement requirements for Union Mine disposal site (including access and road improvements), and associated costs (under current configuration and expanded configuration)
  - e. Assess potential use of Union Mine disposal site for franchised haulers and/or self-haul customers
  - f. Assess impacts of reopening Union Mine disposal site on other current uses of site (e.g., water treatment plant and shooting range)
  - g. Compare economics of using Union Mine disposal site with alternative long-haul disposal options
7. Evaluate Sustainable Yard Waste Management Alternatives
- a. Document current yard waste management practices, including residential burning (e.g., inconsistent yard waste collection practices, and potential influence by future State of California air quality regulations)
  - b. Research comparative yard waste burning policies and practices (e.g., home composting, community composting, composting infrastructure, and community digesters)
  - c. Assess impacts of yard waste practices on yard waste collection programs (curbside collection, regional or rural drop-off facilities, or separation at the MRF) and the County's non-mandatory collection system
  - d. Assess future yard waste facility requirements with, and without, yard waste burning



- e. Develop recommendations on sustainable yard waste policies and facilities
8. Evaluate Alternative Technologies for Disposal and Diversion
    - a. Evaluate waste-to-energy (WTE) alternatives, challenges and economics
    - b. Evaluate conversion technology alternatives, challenges, and economics, including but not limited to gasification, composting, anaerobic digestion, and plasma gasification
- F. Solid Waste Policies and Programs
1. Identify Potential New Recycling, Composting, and Waste Reduction Programs
    - a. Assist the County to develop policy and program goals related to diversion programs
    - b. Conduct research on potential recycling, composting, and waste reduction programs in other similar jurisdictions
    - c. Identify priority program areas for increased diversion potential (e.g., three-cart residential collection systems in selected areas, commercial recycling, multi-family recycling, construction and demolition, and composting)
    - d. Estimate pros, cons, and diversion potential of promising new recycling, composting, and waste reduction programs
    - e. Recommend new recycling, composting, and waste reduction programs
- G. Short Range Solid Waste Recommendations and Implementation
1. Identify Solid Waste Management Short Range Goals
    - a. Prepare draft Short Range goals, incorporating results of the analyses conducted during the Immediate Planning Phase
    - b. Present Draft Short Range goals to the EMD project team for review
    - c. Obtain comments on the Short Range goals
    - d. Revise Draft Short Range goals, based on comments
  2. Evaluate Implications of Short Range Goals on Existing and Future Franchise Agreements
    - a. Identify shortfalls between existing franchise agreements and service levels proposed in the Short Range goals
    - b. Identify implications of Draft Solid Waste Management Short Range goals on rates, need for new services, and franchise agreement terms

- c. Identify and analyze alternative approaches to align Draft Solid Waste Management Short Range goals and existing and future franchise agreements, including franchise agreement extensions, new franchise agreements, or County operation of programs
    - d. Prepare recommendations related to existing and future franchise agreements
  - 3. Develop Implementation Timing for the Short Range Goals
    - a. Assist the County in prioritizing actions identified in the Solid Waste Short Range goals
    - b. Develop a timeline for implementing short range goals
    - c. Identify step-by-step tasks required to implement high priority short range goals
    - d. Identify tasks required to implement lower priority short range goals
  
- H. Long Range Solid Waste Management Planning
  - Solid Waste Facilities and Alternatives
    - 1. Evaluate the Need for Small Volume Transfer Stations on the West Slope
      - a. Estimate future material throughput, generation locations, and capacity requirements (in tons) for the West Slope
      - b. Estimate future tonnage and geographic gaps in current and Short Range Plan West Slope systems
      - c. Identify potential locations, and siting issues, for small volume transfer stations on the West Slope (e.g., Georgetown/Divide area)
      - d. Identify general logistics for future small volume transfer stations for the West Slope (including County populations serviced, geographic regions served, traffic levels, transportation cueing and access, and facility acreages)
      - e. Assess impacts of potential new West Slope small volume transfer stations on illegal dumping
      - f. Determine potential to incorporate diversion programs at West Slope small volume transfer stations
  
- I. Solid Waste Policies and Programs
  - 1. Evaluate New Program Alternatives to Maximize Diversion Opportunities
    - a. Identify potential program alternatives, including but not limited to:
      - Commercial organics collection and processing
      - Food waste collection (multi-family, residential, commercial)
      - Expanded multi-family recycling
      - Expanded education and outreach

- Improved measurement and monitoring (using new CIWMB pounds, per day, per person reporting criteria)
  - Incentive programs for businesses
  - Home composting
  - Construction and demolition debris box ordinances
- b. Evaluate pros, and cons, of alternatives for El Dorado County
  - c. Prepare recommendations and implementation steps for selected new program alternatives

J. Solid Waste Recommendations and Implementation Plan

1. Prepare Draft and Final Solid Waste Management Plan

- a. Prepare a draft outline for the Solid Waste Management Plan
- b. Prepare a Draft Solid Waste Management Plan, incorporating results of the previous analyses
- c. Present the Draft Solid Waste Management Plan to the EMD project team for review
- d. Obtain comments on the Draft Plan from the EMD and Solid Waste Working Committee
- e. Revise Draft Plan and Circulate to Solid Waste Working Committee
- f. Meet with EMD and Solid Waste Working Committee
- g. Obtain Final Written Comments from EMD and Solid Waste Working Committee
- h. Update Draft Plan and Circulate for Public Comment and Board of Supervisor Review (45-day public comment period)
- i. Respond to public comments, as needed
- j. Revise Draft Solid Waste Management Plan, based on comments
- k. Participate in a County Board Meeting to assist the EMD in presenting the Solid Waste Management Plan to the Board of Supervisors
- l. Respond to Board of Supervisors comments, if any, and deliver a Final Solid Waste Management Plan, including both Short and Long-Range strategies

2. Evaluate Implications of Plan for Existing and Future Franchise Agreements

- a. Identify shortfalls between existing franchise agreements and service levels proposed in the Solid Waste Management Plan
- b. Identify implications of Solid Waste Management Plan on rates, need for new services, and franchise agreement terms

- c. Identify and analyze alternative approaches to align the Solid Waste Management Plan and existing and future franchise agreements, including franchise agreement extensions, new franchise agreements, or County operation of programs
  - d. Prepare recommendations related to existing and future franchise agreements
3. Develop an Implementation Strategy for the Solid Waste Management Plan's Goals
- a. Assist the County in prioritizing actions identified in the Solid Waste Management Plan
  - b. Develop a timeline for implementing long range goals
  - c. Identify step-by-step tasks required to implement high priority long range goals
  - d. Identify general tasks required to implement low priority goals

Schedule for Completion of Project Phases

Phase Letter	Approximate Completion Date*
B, C	October 31, 2010
D, E, F, G	November 30, 2010
H, I	December 29, 2010
J (Draft Plan)	Fall 2011

\*A portion of phase A (Project Management) will be spread over each phase.

The Final Solid Waste Management Plan (Final Plan) will include specific strategies and/or recommendations for the County to use and implement for its solid waste management planning purposes. The Final Plan will be a formal bound report with charts, graphs, and tables. This plan will include both short and long-term planning components which the County will take ownership of and update, over time, as circumstances change.

**Final Product	Approximate Completion Date
Solid Waste Management Plan	June 2012

\*\* Ten (10) bound copies of the Final Solid Waste Management Plan and one (1) electronic copy.