

Integrated Solid Waste Management Planning Project



Western Wyoming Planning Group

Regional Planning Meeting

March 27, 2008 / Kemmerer, WY

(revised April 24, 2008)



Today's Agenda

- Recap ISWM planning process & schedule
- Review summaries of Draft Interim Local ISWM Plans (characterization of existing facilities)
- Review local planning recommendations provided by each county
- **Develop preliminary short-list of regional alternatives for further analysis**



Recap of ISWM Planning Process and Schedule

- **Phase 1: Letter of Intent**
– August 1, 2007 - **DONE**
- **Phase 2: Economic Analysis of Alternatives**
– October 1, 2008 – **IN PROGRESS**
- **Phase 3: Draft ISWM Plan**
– May 1, 2009
- **Phase 4: Final ISWM Plan**
– July 1, 2009



Recap of ISWM Planning Process and Schedule

- **Phase 2: Economic Analysis of Alternatives**
 - Project Kick-Off Meeting (Done)
 - Characterize Existing Systems (Drafts Done)
 - Characterize Current/Future Waste Stream (Drafts Done)
 - Identify Alternative Systems
 - Local Meetings (Done)
 - Regional Meeting (Today)
 - Economic Analysis of Alternatives (Next)
 - Public Outreach (In Progress)



Draft Interim ISWM Plans

- **DRAFT** reports are being reviewed by owners of existing facilities
- **Report Outline**
 - Methodologies
 - Existing Facility Profiles
 - Capacity Issues
 - Regulatory Issues
 - Financial Issues (Full Cost Accounting)
 - Population and Waste Stream Estimates and Forecasts



Draft Interim ISWM Plan Summaries - Landfills -

- **Significant Capacity (>20 years)**
 - Sublette County Marbleton #2
 - Uinta County Evanston #2
 - Lincoln County Kemmerer #2
- **Limited Capacity (<20 years)**
 - Uinta County Bridger Valley (currently pursuing expansion)
 - Lincoln County Cokeville #2
 - Lincoln County South End
- **Critical Capacity (<2 years)**
 - Lincoln County Thayne
- **Full Cost Accounting**
 - \$32 to \$55 per ton



**Draft Interim ISWM Plan Summaries
- Transfer Stations -**

- **Horsethief Canyon**
 - 90 loaded miles
 - Adequate storage capacity, limited processing capacity
- **Pinedale**
 - 35 loaded miles
 - Adequate storage and processing capacity
- **LaBarge**
 - 50 loaded miles
 - Limited storage capacity, adequate processing capacity
- **Thayne**
 - 68 loaded miles
 - Limited storage capacity, adequate processing capacity
- **Full Cost Accounting ... \$16 to \$46/ton**



**Draft Interim ISWM Plan Summaries
- Recycling Centers -**

- **Jackson (Jackson Community Recycling)**
 - 3,885 tons per year
 - Adequate storage capacity, excess processing capacity
- **Pinedale (Sublette Citizens for Recycling)**
 - 291 tons per year
 - Very limited storage capacity, excess processing capacity
- **Marbleton (Tri-Town Recycling)**
 - 109 tons per year
 - Excess storage and processing capacity
- **Evanston (Uinta Recycling)**
 - 358 tons per year
 - Limited storage capacity, excess processing capacity
- **Full Cost Accounting**
 - \$90+ per ton



**Draft Interim ISWM Plan
- Population Estimates/Forecasts -**

- **Sublette County**
 - 2007 = 7,521
 - 2027 = 16,212 (3.915%)
- **Teton County**
 - 2007 = 18,928
 - 2027 = 23,437 (1.074%)
- **Uinta County**
 - 2007 = 19,952
 - 2027 = 23,757 (0.403%)
- **Lincoln County**
 - 2007 = 16,425
 - 2027 = 23,708 (1.852%)



**Draft Interim ISWM Plan
- Waste Stream Estimates/Forecasts -**

- **Sublette County (local data)**
2007 = 11,597 tons disposed / 603 tons diverted (4.9%)
2027 = 24,998 tons disposed / 1,299 tons diverted
- **Teton County (local data)**
2007 = 30,000 tons disposed / 14,030 tons diverted (31.9%)
2027 = 37,147 tons disposed / 17,373 tons diverted
- **Uinta County (local data)**
2007 = 21,921 tons disposed / 718 tons diverted (3.2%)
2027 = 23,757 tons disposed / 778 tons diverted
- **Lincoln County (estimate)**
2007 = 17,432 tons disposed / 3,778 tons diverted (17.9%)
2027 = 25,160 tons disposed / 5,467 tons diverted



**Local Planning Meeting
Recommendations**

- **Local meetings held in January**
- **Minutes available on project web page**
- **Recommendations (see posters)**
 - **Definitely worth considering (+)**
 - **Maybe worth considering (+/-)**
 - **Impractical/unreasonable (-)**



**Local Planning Meeting
Recommendations – Lincoln**

- **Definitely Worth Considering**
 - Haul all Lincoln County MSW to one lined Lincoln County Landfill
 - Haul LaBarge MSW and CDW to the Sublette County Marbleton #2 Landfill
 - Convert the Kemmerer #2 Landfill to a lined regional landfill
 - Convert the Cokeville #2 Landfill to a CDW-only landfill
 - Construct a new CDW-only landfill at Cokeville
 - Construct a new regional lined landfill/recycling center at Sage Junction
- **Maybe Worth Considering**
 - Haul Cokeville #2 and Kemmerer #2 MSW to landfills in Uinta County
 - Haul Star Valley MSW to the Circle Butte Landfill near Mud Lake, ID
- **Impractical/Unreasonable**
 - Construct more than one lined landfill in Lincoln County



Local Planning Meeting Recommendations – Sublette

- **Definitely Worth Considering**
 - Segregate CDW and industrial waste at the Marbleton #2 Landfill
 - Expand the Pinedale Transfer Station and add recycling facilities
 - Partner with JCR for transportation/marketing of recyclables
 - Pursue curbside collection services
- **Maybe Worth Considering**
 - Convert the Marbleton #2 Landfill to a lined landfill
 - Develop a regional composting facility in Sublette County
 - Haul Sublette County MSW to the Rock Springs Landfill
- **Impractical/Unreasonable**
 - More landfills in Sublette County



Local Planning Meeting Recommendations – Teton

- **Definitely Worth Considering**
 - Optimize waste diversion rates
 - Implement mandatory segregation or tiered tipping fees for CDW
 - Expand the Horsethief Canyon Transfer Station
- **Maybe Worth Considering**
 - Convert the Marbleton #2 Landfill to a lined landfill
 - Haul Teton County MSW to the Circle Butte Landfill near Mud Lake, ID
 - Capture recycling commodities from Sublette and Lincoln Counties
 - Construct a transfer station at Teton Village
 - Expand the current composting operation at the Horsethief Canyon Transfer Station
 - Switch from a source-separated to a single-stream recycling system
 - Curbside collection services
- **Impractical/Unreasonable**
 - More landfills in Teton County



Local Planning Meeting Recommendations – Uinta

- **Definitely Worth Considering**
 - Construct a transfer station with recycling and composting facilities at the Bridger Valley Landfill
 - Construct a transfer station with recycling and composting facilities at the east side of Evanston
 - Increase CDW segregation
 - Haul Uinta County MSW to existing regional landfills
- **Maybe Worth Considering**
 - Accept MSW from Lincoln County
 - State-Wide Initiatives
 - Promote glass and plastic recycling
 - Ban plastic grocery bags
 - Grants for local programs
- **Impractical/Unreasonable**
 - More landfills



Focus of Today's Meeting: Identify Regional Alternatives

- **Today's Goal: the Big Regional Picture**
 - What combinations of new or existing facilities have the most potential to meet local needs?
 - Sharing resources can save money (economies of scale)
- **Today's Strategy:**
 - 1) Consider local recommendations
 - 2) Identify common ideas
 - 3) Focus on types/locations of facilities
 - 4) Avoid getting distracted by details and costs
 - 5) Highlight any unique local issues
 - 6) Defer discussion of implementation issues



Strategy for Building Alternative Systems

- **Status Quo (baseline)**
 - 6 unlined MSW landfills
 - 1 lined MSW landfill (permitted, but not built)
 - 4 transfer stations
 - 4 stand-alone recycling centers
- **Options 1, 2, 3, 4?**
 - Start with lined MSW landfills (new or existing landfills)
 - Add unlined CDW landfills (existing landfills)
 - Add transfer stations
 - Add recycling and composting facilities



Potential Alternative Systems

- **3 lined landfills (1 each in Sublette, Lincoln, Uinta)**
- **2 lined landfills (Sublette, Lincoln, or Uinta)**
- **1 lined landfill (Sublette, Lincoln, or Uinta)**
- **Variations on above ...**
 - Circle Butte Landfill (Mud Lake, ID)
 - Rock Springs Landfill (Sweetwater County)



Potential Regional Landfills

- Western Wyoming Planning Area
 - 4,000,000 cubic yards of capacity required for the next 20 years
- Marbleton #2
 - 13,875,000 cubic yards
 - 82 years (5,800 + 5,700 + 30,000 tons per year)
- Evanston #2
 - 18,900,000 cubic yards
 - 107 years (16,500 tons per year)
- Kemmerer #2 (vertical expansion pending)
 - 600,000 / 1,475,000 cubic yards
 - 34 / 91 years (11,500 + 800 tons per year)
- Rock Springs (additional 360 available for expansion)
 - 2,000,000 cubic yards
 - 18-20 years (~58,000 tons per year)
- Circle Butte (Mud Lake, ID)
 - 1260 acres (7 acres used in 11 years)



What's Next?

- Finalize Interim Local ISWM Plans (April, 2008)
- Continue Public Outreach
 - Next Brochure ... "Potential Alternatives"
 - Local Presentations
- Complete Economic Analysis of Alternatives (October 1, 2008)
 - Full Cost Accounting Analysis
- WSWRA Annual Meeting (August 25-28, 2008)
 - Parkway Plaza, Casper / www.wswra.org
- Questions? Thank you for coming and drive safely!



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