

Integrated Solid Waste Management Planning Project



Southeast Wyoming Regional Planning Group

Regional Working Group Meeting

June 11, 2008 /Pine Bluffs, WY



Today's Agenda

- **Recap ISWM planning process & schedule**
- **Review highlights of existing facilities draft reports in progress**
- **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**
 - July 13, 2007 - DONE
- **Phase 2: Economic Analysis of Alternatives**
 - October 1, 2008 – IN PROGRESS
- **Phase 3: Draft ISWM Plan**
 - April 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 in Progress)**
 - **Characterize Current/Future Waste Stream (Drafts in Progress)**
 - **Identify Alternative Systems**
 - **Local Meetings (Done)**
 - **Regional Meeting (Today)**
 - **Economic Analysis of Alternatives (Next)**
 - **Public Outreach (In Progress)**

Draft Interim ISWM Plans

- **Draft reports on existing facilities in progress**
 - review by owners – final to be used for reimbursement request
- **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

- Population Estimates/Forecasts -

- **City of Cheyenne Service Area**

2007 = 83,762 people (2005 Census estimated pop plus 2 yr @ 2.0%)

2027 = 124,465 (2.0% annually - PlanCheyenne)

- **City of Laramie Service Area**

2007 = 35,525 people (Comprehensive Plan data)

2027 = 40,856 (Comp Plan Selected Growth Rate)

- **ELCSWDD (Burns) Service Area**

2007 = 4,705 people

(2000 census base for school district, 2005 census estimated population plus 2 yr @ 2.0%)

2027 = 6,991 people (2.0% annually - PlanCheyenne)

Draft Interim ISWM Plan

- Waste Stream Estimates/Forecasts -

- **City of Cheyenne (local data)**

2007 = 100,021 tons annually

2027 = 148,624 tons

- **City of Laramie (estimate)**

2007 = 40,880 tons

2027 = 54,432 tons

- **ELCSWDD (Burns Landfill) (local data)**

2007 = 2,500 tons

2027 = 3,715 tons

Draft Interim ISWM Plan

- Landfills & Other Facilities-

- **Significant Capacity (>20 years)**
 - **Eastern Laramie County Solid Waste Disposal District (Burns Landfill)**
- **Limited Capacity (<20 years)**
 - **Laramie Landfill**
- **Critical Capacity (<2 years)**
 - **Cheyenne Landfill (Happy Jack)**

Transfer Stations: Cheyenne (Rock River?)

**Recycling Centers: ARK Recycling, UW
Recycling, Cheyenne Composting Facility**

Local Planning Meeting Recommendations

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

Local Planning Meeting

Recommendations – City of Laramie

- **Definitely Worth Considering**
 - **Keep and upgrade Laramie Landfill for Albany County residents only**
 - **Convert the Laramie Landfill to an unlined CDW-only landfill and composting facility**
 - **Construct a transfer station at the landfill or alternate location near railway**
 - **Haul Albany County MSW to regional landfill**
- **Maybe Worth Considering**
 - **Close Laramie Landfill and haul all waste to regional landfill**
 - **Develop a regional recycling center**
- **Impractical/Unreasonable**
 - **Function as a short-term regional landfill for Albany and Laramie County**

Local Planning Meeting

Recommendations – ELCSWDD

- **Definitely Worth Considering**
 - Keep and upgrade Burns Landfill for Eastern Laramie County residents only
 - Convert the Burns Landfill to an unlined CDW-only landfill
 - Construct a transfer station
 - Haul MSW to regional landfill
- **Maybe Worth Considering**
 - Function as a temporary regional landfill accepting waste from Albany and Laramie counties
 - Convert the Burns Landfill to an unlined CDW-only landfill
 - Construct a transfer station
 - Haul MSW to City of Cheyenne transfer station
- **Impractical/Unreasonable**
 - Function as a permanent regional landfill
 - Close landfill and only operate a transfer station



Local Planning Meeting Recommendations – City of Cheyenne Short Term Alternatives

- **Definitely Worth Considering**
 - Convert Happy Jack to a CDW-only landfill and transport all other waste to Ault, Colorado
 - Improve current Happy Jack practices to extend the capacity life
 - Develop a CDW recycling facility at the Happy Jack landfill
- **Maybe Worth Considering**
 - Reclaim (i.e., mine the landfill) and remediate an older, leaking cell at the Happy Jack landfill to gain capacity.
- **Impractical/Unreasonable**
 - Haul the City of Cheyenne’s waste to an unlined landfill

Local Planning Meeting Recommendations – City of Cheyenne Intermediate Alternatives

- **Definitely Worth Considering**
 - **Permit ~100 acres of land located at the northern portion of the current Happy Jack landfill for immediate use**
- **Maybe Worth Considering**
 - **If ELCSWDD is in agreement to haul to Burns landfill for a short term until a regional location was permitted**

Local Planning Meeting Recommendations – City of Cheyenne Long Term Alternatives

- **Definitely Worth Considering**
 - Pursue the purchase of 160 acres from a private landowner near Happy Jack landfill
 - Operation of a regional recycling center in the City of Cheyenne
 - Pursue alternative waste-to-energy options
- **Maybe Worth Considering**
 - Consider other sites not previously evaluated as a regional landfill in Laramie/Albany County
 - Continue to evaluate the feasibility of the Belvoir Ranch landfill as a regional landfill
 - Evaluate the possibility of transporting waste to an existing regional landfill

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)**
 - 2 unlined MSW landfills
 - 1 lined MSW landfill
 - 2 transfer stations
 - 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 for each partner)
- 2 lined landfills (1 in each County)
- 1 regional lined landfill
- Variations on above ...
 - Hauling to locations outside of planning area?

What's Next?

- Finalize Interim Local ISWM Plans
- Continue Public Outreach
 - Next Brochure ... “Potential Alternatives”
 - Local Presentations
- Complete Economic Analysis of Alternatives
 - 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!

www.southeasternwyomingiswm.com

