

## **TABLES**

**NOTE: Calculations for all tables have involved some rounding for ease of comparison.  
Pro-formas were used to develop costs in these tables.  
Final data in pro-formas may have been adjusted before being listed in these tables.**

**Table 1  
Cody Master Plan Proposed Cell Life**

Operational Phases	Capacities (cubic yards)		Footprint (acres)		Cell Life (years)
	MSW	C&D	MSW	C&D	
Current Site	220,500	146,800	11.0	4.0	5.0
Lateral Expansion, Phase 1	340,500	225,000	8.0	7.0	5.6
Lateral Expansion, Phase 2	1,122,500	740,000	7.8	7.0	16.5
Lateral Expansion, Phase 3	1,456,100	960,000	9.4	7.0	16.2
<b>TOTALS</b>	<b>3,139,600</b>	<b>2,071,800</b>	<b>36.2</b>	<b>25.0</b>	<b>43.3</b>
<b>GRAND TOTALS</b>	<b>5,211,400</b>		<b>61.2</b>		<b>43.3</b>

**Table 2  
Comparison of Cody Alternatives**

Alternatives	Proposed Tipping Fee (Transfer/Landfill)	Closure & Post-Closure (Existing Site), (7)	Host Tipping Fee	Transportation Costs for MSW	Total Cost Per Ton	Tons	Annual Operating Cost	Total Annual Operating Cost
<b>1</b> Current Operations	\$55.00	\$5.00	N/A	N/A	\$60.00	17,000	\$1,020,000	\$1,020,000
<b>2</b> MSW-Line Cell	(6) \$110.00	\$10.00	N/A	N/A	\$120.00	11,000	\$1,320,000	\$2,040,000
C&D Existing Facility	(6) \$110.00	\$10.00	N/A	N/A	\$120.00	6,000	\$720,000	
<b>3</b> MSW Direct to Worland (200 mi) (4)	\$0.00	\$0.00	\$125.00	(1) \$50.00	\$175.00	11,000	\$1,925,000	\$2,705,000
C&D Existing Facility	(6) \$110.00	\$20.00	N/A	N/A	\$130.00	6,000	\$780,000	
<b>4</b> MSW Transfer to Worland (200 mi) (5)	\$30.00	\$10.00	\$125.00	(2) \$40.00	\$205.00	11,000	\$2,255,000	\$2,975,000
C&D Existing Facility	(6) \$110.00	\$10.00	N/A	N/A	\$120.00	6,000	\$720,000	
<b>5</b> MSW Transfer to Casper (450 mi) (5)	\$30.00	\$10.00	\$45.00	(3) \$67.50	\$152.50	11,000	\$1,677,500	\$2,397,500
C&D Existing Facility	(6) \$110.00	\$10.00	N/A	N/A	\$120.00	6,000	\$720,000	
All Costs Shown Are Per Ton								

The \$20.00 closure/post-closure cost for MSW Direct to Worland (for CD cell) was increased from the \$10.00 per C&D ton in other alternatives since the previously used MSW cells will still require closure/post-closure and there is no other mechanism to capture closure/post-closure funds for those MSW cells.

- (1) Transfer costs for \$0.25 per ton mile at 200 miles (\$50.00 per ton) are based on use of packer trucks.
- (2) Transfer costs for \$0.20 per ton mile at 200 miles (\$40.00 per ton) are based on use of live floor trucks.
- (3) Transfer costs for \$0.15 per ton mile at 450 miles (\$67.50 per ton) are based on live floor trucks but on a longer haul.
- (4) 'MSW Direct' means the collection trucks transport MSW to a distant landfill.
- (5) 'MSW Transfer' means the collection trucks unload at a "transfer station" in or near town. MSW is then reloaded on larger trucks for transportation to a distant landfill.
- (6) Calculated tipping fee based on pro-forma cost analysis of expanding the Cody landfill into a lined MSW cell. This cost includes closure and post-closure.
- (7) Cost to be added to the tipping fee to provide revenue for closure and post-closure of the present active area.

**MSW** - Municipal Solid Waste (Household Garbage)  
**C&D** - Construction and Demolition Debris

**Table 3  
Comparison of Powell Alternatives**

Alternatives	Proposed Tipping Fee (Transfer/Landfill)	Closure & Post-Closure (Existing Site) (11)	Host Tipping Fee	Transportation Costs for MSW (10)	Total Cost Per Ton	Tons	Annual Operating Cost	Total Annual Operating Cost
1 Current Operations	\$55.00	\$5.00	N/A	N/A	\$60.00	10,000	\$600,000	\$600,000
2 MSW-Line Cell	(1) \$197.00	\$10.00	N/A	N/A	\$207.00	6,000	\$1,242,000	\$2,070,000
C&D Existing Facility	(1) \$197.00	\$10.00	N/A	N/A	\$207.00	4,000	\$828,000	
3 MSW Direct to Cody (60 mi) (6)	\$0.00	\$10.00	\$104.00	(2) \$15.00	\$129.00	6,000	\$774,000	\$1,230,000
C&D Existing Facility	(8) \$104.00	\$10.00	N/A	N/A	\$114.00	4,000	\$456,000	
4 MSW Transfer to Cody (60 mi) (7)	(9) \$30.00	\$10.00	\$104.00	(3) \$14.00	\$158.00	6,000	\$948,000	\$1,404,000
C&D Existing Facility	\$104.00	\$10.00	N/A	N/A	\$114.00	4,000	\$456,000	
5 MSW Direct to Cowley (46 mi) (6)	\$0.00	\$0.00	\$123.00	(4) \$11.50	\$134.50	6,000	\$807,000	\$1,327,000
C&D Existing Facility	\$110.00	\$20.00	N/A	N/A	\$130.00	4,000	\$520,000	
6 MSW Transfer to Cowley (46 mi) (7)	(9) \$30.00	\$10.00	\$123.00	(5) \$9.20	\$172.20	6,000	\$1,033,200	\$1,513,200
C&D Existing Facility	\$110.00	\$10.00	N/A	N/A	\$120.00	4,000	\$480,000	
All Costs Shown Are Per Ton								

- (1) Calculated tipping fee based on the pro-forma cost analysis of expanding the Powell landfill into a lined MSW cell. This cost includes closure and post-closure.  
 (2) Direct costs for \$0.25 per ton mile at 60 miles (\$15.00 per ton) are based on estimates provided by the City of Powell using their new packer truck as the model.  
 (3) Transfer costs for \$0.20 per ton mile at 70 miles (\$14.00 per ton) are based on live floor truck and developed by interviews with local trucking companies.  
 (4) Direct costs for \$0.25 per ton mile at 46 miles (\$11.50 per ton) are based on estimates provided by the City of Powell using their new packer truck as the model.  
 (5) Transfer costs for \$0.20 per ton mile at 46 miles (\$9.20 per ton) are based on live floor truck and developed by interview with local trucking companies.  
 (6) 'MSW Direct' means the collection trucks transport MSW to a distant landfill.  
 (7) 'MSW Transfer' means the collection trucks unload at a "transfer station" in or near town. MSW is then reloaded on larger trucks for transportation to a distant landfill.  
 (8) This is the estimated proposed tipping fee from the pro-forma cost analysis to continue C&D at the Powell landfill.  
 (9) This fee is estimated from pro-forma cost analysis to construct, own, and operate a transfer station in or near Powell.  
 (10) Estimated transportation costs per ton to haul MSW to a distant landfill. This cost is not collected as a part of the host tipping fee but is a cost to the City of Powell.  
 (11) Cost to be added to the tipping fee to provide revenue for closure and post closure of the present active area.

**MSW** - Municipal Solid Waste (Household Garbage)  
**C&D** - Construction and Demolition Debris

**Table 4  
Park County Comparative Alternatives**

Alternatives	Proposed Tipping Fee (Transfer/Landfill) (1)	Closure & Post-Closure (Existing Site) (2)	Host Tipping Fee	Transportation Costs for MSW	Total Cost Per Ton (4)	Tons	Annual Operating Cost	Total Annual Operating Cost
<b>1</b> Park County Regional at Cody (Basic Requirement)	MSW	\$104.00	N/A	N/A	\$114.00	17,000	\$1,938,000	\$3,078,000
	C&D	\$104.00	N/A	N/A	\$114.00	10,000	\$1,140,000	
<b>2</b> Park County Regional	Cody MSW	\$110.00	N/A	N/A	\$120.00	11,000	\$1,320,000	\$3,180,000
	Cody C&D	\$104.00	N/A	N/A	\$114.00	6,000	\$684,000	
	All Other MSW	\$10.00	\$95.00	(3) \$15.00	\$120.00	6,000	\$720,000	
	All Other C&D	\$104.00	\$10.00	N/A	\$114.00	4,000	\$456,000	

- (1) Calculated tipping fee based on the pro-forma cost analysis of expanding the Cody landfill into a lined MSW cell. This cost includes closure and post closure. The "Cody MSW" fee is shown to be \$110.00 per ton. This adjustment has been made to allow the tipping fee to be reduced (host tipping fee) for the landfill users who travel some distance to unload.
- (2) Cost to be added to the proposed tipping fee to provide revenue for closure of the present active area.
- (3) Estimated transportation costs per ton to bring MSW from Powell, Meeteetse, and other rural routes. This cost is not collected as a part of the tipping fee.
- (4) Cost per ton, without transportation costs, collected at landfill.

**Both alternatives 1 and 2 assume that Powell and Clark with continue to accept C&D and provide ancillary services such as used oil collection. No transfer station is included for Powell. Clark would have a roll-off container(s) which would be transported to the Cody Landfill. Closure and post-closure costs for Meeteetse, Clark, Powell, and Cody have been combined.**

**MSW - Municipal Solid Waste (Household Garbage)  
C&D - Construction and Demolition Debris**

**Table 5**  
**Closure Costs at 2009 at Economic and Regulatory Standards**

<b>Landfill</b>	<b>Acres to Close<sup>1</sup></b>	<b>Closure Costs<sup>2</sup></b>	<b>Post-Closure Costs<sup>3</sup></b>
Cody	25	\$450,000	\$300,000
Powell	40	\$720,000	\$480,000
Clark	5	\$90,000	\$60,000
Meeteetse	7	\$126,000	\$84,000
<b>Total</b>	<b>77</b>	<b>\$1,386,000</b>	<b>\$924,000</b>

<sup>1</sup> Acres to close is an estimate based on current operations.

<sup>2</sup> Closure costs estimated at \$18,000 per acre. Cost is *Number of acres X \$18,000 per acre*. Example for Cody is 25 acres X \$18,000 = \$450,000

Costs are based on median industry estimates.

<sup>3</sup> Post-closure costs estimated at \$12,000 per acre over a 30 year time period as required by current regulations. Cost is *Number of acres X \$12,000 per acre*. Example for Cody is 25 acres X \$12,000 = \$300,000. Costs are based on median industry estimates.

**Table 6**  
**Residential Disposal Fee Comparison**

**PROPOSED WASTE DISPOSAL RATE INCREASES**  
**PARK COUNTY, WYOMING**

Updated 05/11/09

Hauler	Current Fees at Disposal Cost of \$60.00 per Ton				2009-2010	2015	2020
	Collection & Disposal Fee	Additional Recycling Charge	Collection	Disposal per Month*	Disposal at \$90.00 per Ton per Month	Disposal at \$97.00 per Ton per Month	Disposal at \$105.00 per Ton per Month
City of Cody	\$19.46		\$11.08	\$8.38	\$12.57	\$13.59	\$14.69
City of Powell	\$22.64	\$1.50	<b>\$14.24</b>	<b>\$8.40</b>	<b>\$12.60</b>	\$13.62	\$14.72
Meeteetse	\$16.25		\$8.00	\$8.25	<b>\$12.38</b>	\$13.38	\$14.46
Keele Sanitation	\$23.00		<b>\$14.60</b>	<b>\$8.40</b>	<b>\$12.60</b>	\$13.62	\$14.72
Two Tough Guys	\$26.00				<b>\$0.00</b>	\$0.00	\$0.00
Residential Permit Holders	\$10.00			\$10.00	<b>\$15.00</b>	\$16.22	\$17.53

**NOTES:**

- \* As an example, the disposal cost per month for Cody is about \$41.55 per ton using 2.42 people per household (as listed in the 2000 U. S. Census) with a solid waste generation rate of about 1 ton per year per person or about 5.5 associated with major facility upgrades to comply with current regulatory standards and requirements. Fees listed for 2015 and 2020 would be instituted in those years.
1. Park County proposes a stepped increase in the waste disposal rate county wide to assist in covering costs associated with major facility upgrades to comply with current regulatory standards and requirements. Fees listed for 2015 and 2020 would be instituted in those years.
  2. This rate analysis is based on a regional waste management model where all of the waste generated within Park County is disposed within Park County. Under this scenario, municipal solid waste (household garbage) would be disposed at a lined waste disposal area at the Cody Landfill. Construction and demolition waste would be disposed at the Cody, Powell, and Clark landfills only. The site at Meeteetse would be closed for all waste disposal. If waste is diverted outside of the planning area, for example if Powell chooses to dispose waste at an alternate facility outside the county, the unit costs to Park County landfill customers will be higher than what is presented herein. For planning purposes, a 20% reduction in the waste being disposed at Park County Landfills would increase the above disposal rates by 10%.
  3. All waste hauler costs shown above are based on "average" residential collection service.

***Italicized amounts are estimates. Hauler combines disposal and collection costs on bill.***