



# Guam SOLID WASTE RECEIVER



## Solid Waste Management Division Progress and Fee Structure

Guam Chamber of Commerce

Presented by  
Gershman, Brickner & Bratton, Inc.

July 22, 2009





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## Areas Covered in July 15, 2009 Quarterly Report to the District Court

1. Layon Landfill Design, Permitting and Construction
2. SWMD Operations
3. Trash Cart Rollout
4. Financial Issues and Capital Funding
5. Next Steps



**Full Report Available at:**  
**[www.guamsolidwastereceiver.org](http://www.guamsolidwastereceiver.org)**



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## Progress

### Construction Activities

- Access road/utilities/sewer line, currently out to bid with bids due in early September
- Made significant progress in construction of landfill operations road and earthwork activities
  - Completed 125 days of 210-day contract period
  - Excavated 500,000 cy (57%) of total cut materials
  - Placed 100,000 cy (45%) of total fill materials

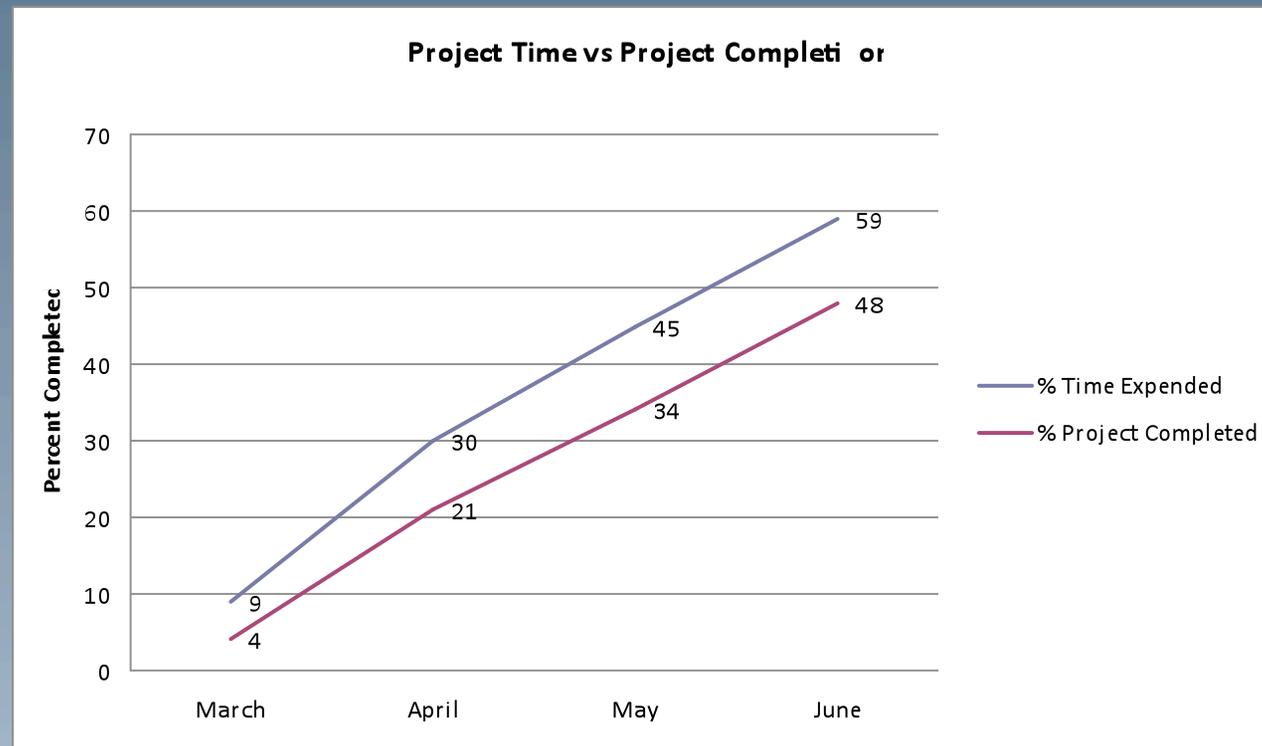




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## Layon Landfill Operations Road and Earthworks Construction Progress





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## Construction

Construction: Cell #1





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## Construction (cont'd)

### Roadway construction



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## Construction (cont'd)



Stormwater Management and Erosion/Sediment Control



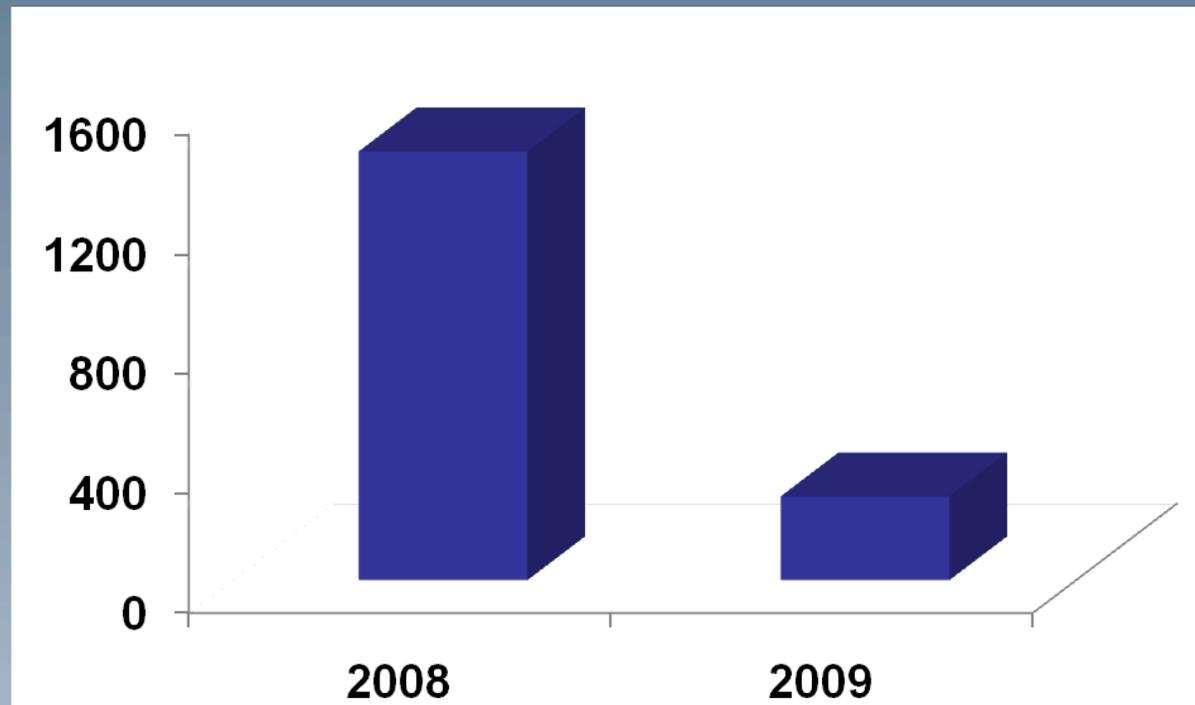


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## Customer Complaints

March through June



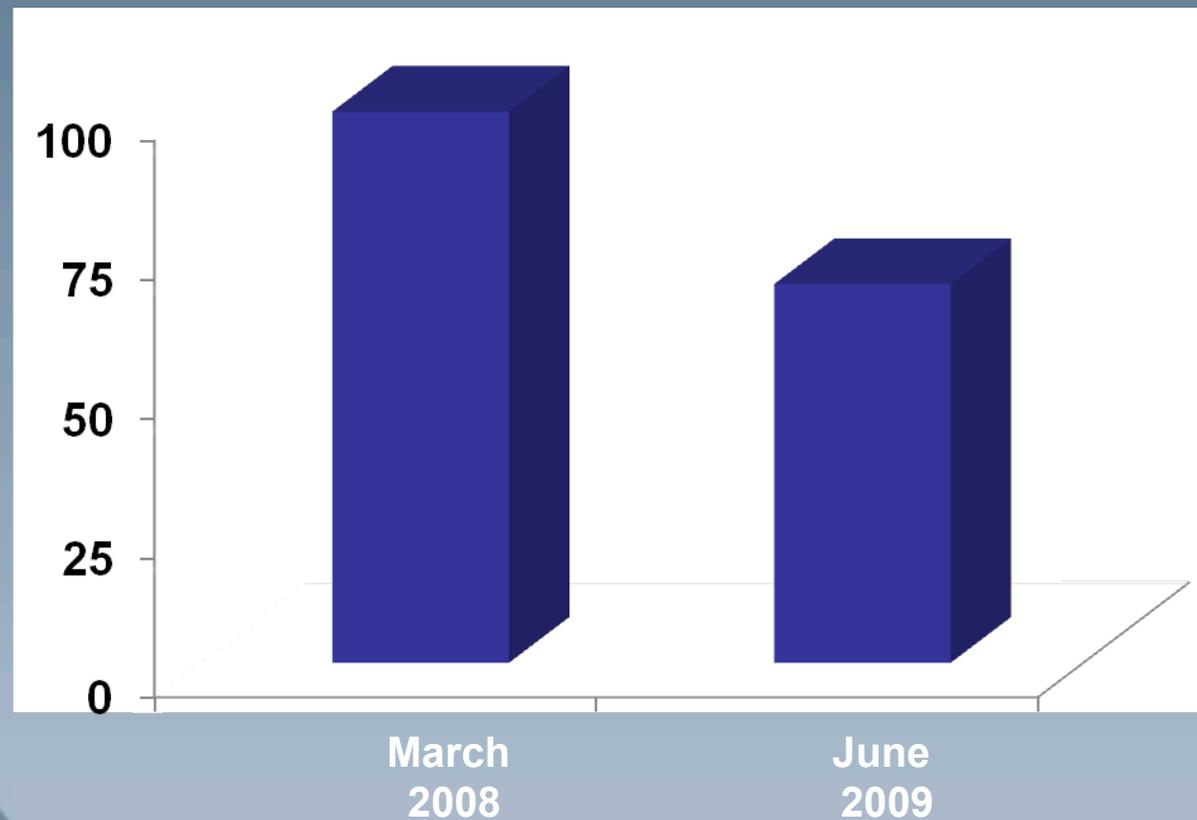


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## SWMD Staffing

31 Percent Reduction





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## SWMD Operations (cont'd)

- Completed installation of scales at Ordot Dump
- Began to gather accurate data on waste volume disposed at Ordot
- Conducted Ordot Dump stability analysis





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## Plan for Basic Services

- SWMD customer households receive one or more rolling trash carts for waste
- Monthly charge based on number of carts
- All non-recyclable waste goes in carts
- Recyclables go to convenience centers (or local recyclers)



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**Least costly option; allows Guam to build a solid foundation for achieving higher recycling levels in the future**



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## Procurement Update

- ✓ Trash carts and lifters ordered
  - 7,000 carts en route
  - 2 shipments arrived
  - Additional orders to meet customer demand
- ✓ New trash trucks
  - 1 special collection truck
  - 2 new trash trucks
- ✓ 2 new recycling rolloffs
  - Placed in operation July 3
- ✓ Customer service software
  - Contract awarded





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## Guam Based Companies Winning Contracts

- Fleet Services, LLC
- Far East Equipment Company
- Maeda Pacific Corporation
- TG Engineers, PC
- More to come





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## Fee Structure

### Cost Elements Driving Tipping and Residential Fees

Cost	Tipping	Residential
Landfill Operating Cost	X	X
Trash Collection		X
Commercial Transfer Station	X	X
Community Transfer Stations		X
Administration	X	X
Customer Education		X
Future Cell Development	X	X
Cell Closure/Maintenance	X	X
Equipment Replacement	X	X
Debt Service	X	X





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## Interim Fee Structure Commercial Tip Fees

- Court approved interim commercial fee will be phased in 3 steps
- More weigh scale data needed to establish permanent fee structure
- Public Utilities Commission will approve permanent fees

Interim Commercial Tipping Fees	
Effective Date	Rate/ton
Current	\$ 72.60
July 1, 2009	\$ 100.00
January 1, 2010	\$ 128.00
July 1, 2010	\$ 156.00





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## Interim Fee Structure Residential and Self-Drop Fees

- With Court approval, interim fees to be implemented beginning month after rollout of new cart system is completed
- Fees to be phased in

Interim Residential Collection Fees	
Effective Date	Rate/month
Current	\$ 10.00
December 1, 2009	\$ 17.00
May 1, 2010	\$ 24.00
November 1, 2010	\$ 30.00

Interim Self-Drop Fees for Transfer Stations			
Effective Date	Self-Drop (Under 3 CY)	Self-Drop (Over 3 CY)	
Current	\$ 2.50	\$ 5.00	
December 1, 2009	\$ 4.00	\$ 8.00	
May 1, 2010	\$ 5.50	\$ 11.00	
November 1, 2010	\$ 7.50	\$ 15.00	





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## Long-term Fees

- Most important factor in future fees:  
**Volume of waste from paying customers**
- New scale at Ordot Dump allows accurate weighing of waste
- Analysis for June:
  - Average weekly tons of MSW: 1,402
  - Average daily tons of MSW: 234
  - Projected annual tons of MSW: 72,925
- More time needed to obtain an accurate, longer-term measure of waste
- Other factor: Military participation
  - Would stabilize residential fees





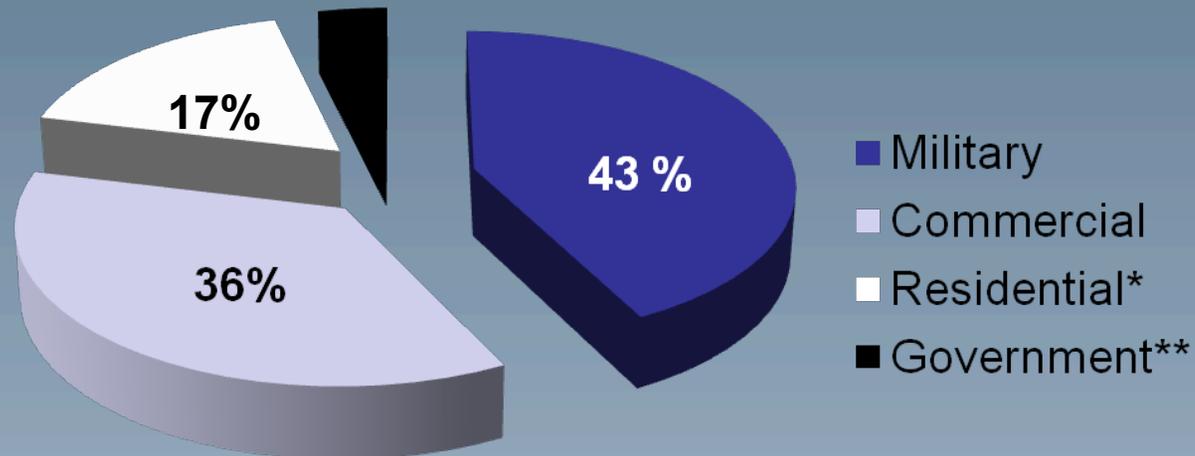
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## Guam's Total Waste Stream

(Excluding Commercial Recycling and Illegal Dumping)

% by Sector



\* Residential waste includes waste from the non-commercial transfer stations.

\*\*Government waste includes waste from government agencies and Mayors.

Note: Military waste projection is based on NAVFAC projections for 2014.



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## Impact of Military Participation

**Impact of Military Participation on  
Residential Collection and Commercial Tipping Fees  
FY 2012 to FY 2022  
Full Cost**

Year	Residential Fees/Month			Commercial Tipping Fees/Ton		
	Without Military	With Military	Savings	Without Military	With Military	Savings
FY 2012	\$ 30.00	\$ 30.00	\$ -	\$ 156.00	\$ 156.00	\$ -
FY 2013	\$ 34.50	\$ 30.00	\$ 4.50	\$ 179.40	\$ 156.00	\$ 23.40
FY 2014	\$ 39.68	\$ 30.00	\$ 9.68	\$ 206.31	\$ 156.00	\$ 50.31
FY 2015	\$ 43.64	\$ 30.00	\$ 13.64	\$ 226.94	\$ 156.00	\$ 70.94
FY 2016	\$ 48.01	\$ 30.00	\$ 18.01	\$ 249.64	\$ 156.00	\$ 93.64
FY 2017	\$ 52.81	\$ 30.00	\$ 22.81	\$ 274.60	\$ 156.00	\$ 118.60
FY 2018	\$ 52.81	\$ 31.20	\$ 21.61	\$ 274.60	\$ 162.24	\$ 112.36
FY 2019	\$ 52.81	\$ 32.45	\$ 20.36	\$ 274.60	\$ 168.73	\$ 105.87
FY 2020	\$ 52.81	\$ 33.75	\$ 19.06	\$ 274.60	\$ 175.48	\$ 99.12
FY 2021	\$ 52.81	\$ 35.10	\$ 17.71	\$ 274.60	\$ 182.50	\$ 92.10
FY 2022	\$ 52.81	\$ 36.50	\$ 16.31	\$ 274.60	\$ 189.80	\$ 84.80





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## Significant Factors Affecting Future Rates

- Military Participation
- Savings due to USDA loan
- Collection of additional scale data

