

**Agenda Request for:** February 14, 2007

**Department:** Solid Waste Department

**Background:** Board to date has approved \$116,260 in cost proposals for project .68 "Engineering Permit Modification Application for Landfill Gas System Expansion/Closure." On November 27, 2006 the Board approved an increased amount of \$2,500 for project .68 "Bid Document Preparation and Bidding Services" for the following work:

- Preparation of two additional separate RFPs- one for the partial closure and one for the LFG expansion. This includes revising construction drawings and technical specifications.
- Attendance at two additional pre-proposal meetings; address agenda for both new RFPs; two additional proposal openings, proposal evaluations, and evaluation meetings; and presentations to the Board.

The partial closure bidding process involved additional meetings and evaluations that continued into December 2006. Partial closure recommendation was presented to and awarded by the Board on January 10, 2007. As a result, the work required of Golder included additional effort, as follows:

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- Preparation of additional language for the contract to include the potential credit items as negotiated with the contractor.

Golder Associates requests and additional budget increase of \$2,500 for services performed above.

**Financial/Economic Impact to Future Years Budgeting Process or Effect on Citizens:**

Cost associated with operational and permit issues will be budgeted as required.

**Action requested and recommendation:**

- Request the Board approve an increased amount of \$2,500 in project .68 "Bid Document Preparation and Bidding Services" for additional work, meetings and evaluations performed by Golder Associates.

**Is this action consistent with the Nassau County Comprehensive Land Use Plan?**

Public Facility Element Section 4

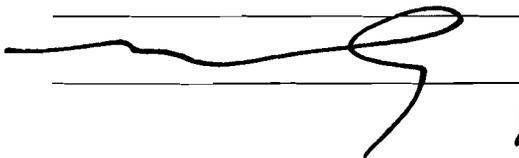
**Funding Source:** 70000000-239955 "Partial Closure" (WN Closure CL I Escrow)  
70000000-239956 "LFG Expansion"(Corrective/Vertical Escrow)

Reviewed by:

Department Head



Legal



Administrator

**APPROVED**

**DATE** 2/14/07 BW

Finance

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Administrative Services

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Grants

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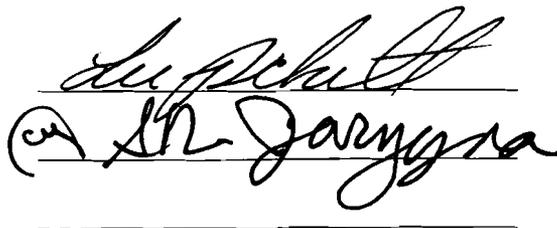
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Reviewed by:

Department Head

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Administrator



Handwritten signature of Department Head: *[Signature]*  
Handwritten signature of Administrator: *[Signature]*

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Reviewed by:

Department Head



Legal

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Administrator

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Scanned & e-mailed to Becky  
1-24-07  
3:30pm

REVIEWED BY GENERAL  
DEPUTY COMMISSIONER

*Gene Knapp* DATE 1/24/07

Finance

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Administrative Services

Grants

Deadline 1/29/07

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70000000-239956 " LFG Expansion"(Corrective/Vertical Escrow)

Reviewed by:

Department Head



Legal

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Administrator

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11/24/07

REVIEWED BY GENE KNAGA  
DEPUTY COMPTROLLER

*Gene Knaga* DATE 11/24/07

Finance

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Administrative Services

Grants

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Reviewed by:

Department Head



Legal

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Administrator

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70000000-239955  
70000000-239956  
1/29/07

Finance

Administrative Services ①

Grants



① Funds available, however, based upon escrow analysis, considering 10 acre closure costs, additional escrow deposit will be required in September 2007. analysis attached.

2/18/07

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS  
 SOLID WASTE MANAGEMENT FUND  
 LANDFILL CAPACITY AND DEPLETION-2007  
 ASSUME RESIDENTIAL WASTE ONLY  
 WEST NASSAU CLASS I LANDFILL

permitted capacity 4870000  
 a) annual filling rate increase 2.50% 1.025  
 b) typical fill rate used 1.36 cy/ton

FISCAL YEAR	DESIGN LIFE	REMAINING LANDFILL CAPACITY YEAR NO	ESTIMATED ANNUAL TONNAGE	CALCULATED ANNUAL CY LANDFILLED	REMAINING CAPACITY AS OF SEPT 30-CY	NOTES	capacity depleted
1993	0					total permitted capacity 4,870,000 cyds	
2004	11						
2005	12						
2006	13				1,261,000	2006 Landfill Depletion and Capacity Analysis Begins	
2007	14		59,400	80,784	1,180,216	addtl 25K cy from side slope construction activities	3,689,784
2008	15	1	36,671	49,873	1,130,343		
2009	16	2	37,588	51,120	1,079,223		
2010	17	3	38,528	52,398	1,026,825		
2011	18	4	39,491	53,708	973,117		
2012	19	5	40,478	55,051	918,066		
2013	20	6	41,490	56,427	861,640		
2014	21	7	42,528	57,838	803,802		
2015	22	8	43,591	59,283	744,518		
2016	23	9	44,681	60,766	683,753		
2017	24	10	45,798	62,285	621,468		
2018	25	11	46,943	63,842	557,626		
2019	26	12	48,116	65,438	492,188		
2020	27	13	49,319	67,074	425,115		
2021	28	14	50,552	68,751	356,364		
2022	29	15	51,816	70,469	285,895		
2023	30	16	53,111	72,231	213,663		
2024	31	17	54,439	74,037	139,626		
2025	32	18	55,800	75,888	63,739		
2026	33	19	57,195	77,785	(14,047)	18.8 yrs remain as of 10/1/07, design life 32.8 yrs	

2007 Financial Analysis-9/20/06 bid-based upon design life

a) Landfill Closure Estimate	\$ 15,657,988
b) est expenditures to date	(3,914,497)
c) est 2007 adjusted cost of closure	\$ 11,743,491
d) est design life exhausted	14 years (1993-2007)
e) est design life of facility	32.8 years (1993-2026)
f) est percent of design life exhausted	42.68%
g) est escrow balance required for 2007	\$ 5,012,466
h) estimated escrow balance as of 9/30/07	3,679,551

2007 Financial Analysis-9/20/06 bid-GASB 18 based upon depletion

	\$ 15,657,988
	(3,914,497)
	\$ 11,743,491
	75.77%
	\$ 8,897,525
	3,679,550.90

~~Estimated escrow balance (9/30/07) \$ 3,679,551 Estimated escrow balance (9/30/07) 3,679,550.90~~

2007 Financial Analysis-9/15/06 WK email

a) Landfill Closure Estimate	\$ 10,127,012
b) est expenditures to date	(3,914,497)
c) est 2007 adjusted cost of closure	\$ 6,212,515
d) est design life exhausted	14 years (1993-2007)
e) est design life of facility	32.8 years (1993-2026)
f) est percent of design life exhausted	42.68%
g) est escrow balance required for 2007	\$ 2,651,683.18
h) estimated escrow balance as of 9/30/07	\$ 3,679,550.90

	\$ 10,127,012
	(3,914,497)
	\$ 6,212,515
	75.77%
	\$ 4,706,948
	3,679,550.90

~~Estimated escrow balance (9/30/07) \$ 3,679,551 Estimated escrow balance (9/30/07) 3,679,550.90~~

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS  
 SOLID WASTE MANAGEMENT FUND  
 CLOSURE COST ESTIMATE-2007  
 WEST NASSAU CLASS I LANDFILL

<u>estimate to close 10 acres 11/20/06 for 11/27/06 mtg</u>		<u>months</u>	<u>per month</u>
1. bid award 1/10/07-contractor	\$ 3,616,581		
2. Golder project .68 bal 06/07	\$ 18,793		
3. Golder project .73	279,123		
estimate for 10 acres	<del>3,914,497</del>	4	\$ 978,624
		to complet	
estimate for 40 acres (permitted capacity)	\$ 15,657,988		

<u>estimate-Engineer-Omar-Golder</u>		<u>per month</u>
1. WK email 9/15/06-construction	\$ 2,233,837	
2. Golder project .68	\$ 18,793	
3. Golder project .73	279,123	
	\$ 2,531,753	4 \$ 632,938
estimate for 40 acres (permitted capacity)	\$ 10,127,012	

*D includes add'l request of \$ 2,500 for 2/14/07 agenda.  
 5/12/07*

NASSAU COUNTY  
 WEST NASSAU CLASS I CLOSURE ESCROW  
 org 70362534  
 BUDGET 2006/2007

06/07	Oct 06	Nov 06	Dec 06	Jan 07	Feb 07	March 07	April 07	May 07	June 07	July 07	Aug 07	Sept 07	
BALANCE BEGINNING OF MONTH	5,678,976.22	5,807,722.64	5,968,278.21	6,129,436.49	5,312,640.75	4,494,479.10	3,672,911.29	2,847,927.38	2,998,137.40	3,146,941.65	3,296,368.85	3,446,417.36	5,798,885.15
INFLOWS 06/07													
1. MONTHLY ESCROW AMOUNT	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	128,746.42	1,544,957.00
2. INTEREST EARNINGS SBA		31,809.15	32,411.87	33,082.10	31,716.19	28,310.03	24,893.93	21,463.61	20,057.83	20,680.78	21,302.09	31,376.85	310,225.76
TOTAL INFLOWS ESTIMATED	128,746.42	160,555.57	161,158.28	161,828.52	160,462.61	157,056.45	153,640.34	150,210.03	148,804.25	149,427.20	150,048.51	160,123.27	1,855,182.78
OUTFLOWS 06/07													
1. PROJECT .68/.73 WN PARTIAL CLOSURE				\$ (978,624.26)	\$ (978,624.26)	\$ (978,624.26)	\$ (978,624.26)						\$ (3,914,497.03)
TOTAL OUTFLOWS ESTIMATED	\$ -	\$ -	\$ -	\$ (978,624.26)	\$ (978,624.26)	\$ (978,624.26)	\$ (978,624.26)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,914,497.03)
BALANCE END OF MONTH	5,807,722.64	5,968,278.21	6,129,436.49	5,312,640.75	4,494,479.10	3,672,911.29	2,847,927.38	2,998,137.40	3,146,941.65	3,296,368.85	3,446,417.36	3,606,540.63	3,679,550.90
AVG BALANCE FOR INTEREST CALCULATION	\$ 5,743,349.43	\$ 5,888,000.42	\$ 6,048,857.35	\$ 5,721,038.62	\$ 4,903,559.93	\$ 4,083,695.20	\$ 3,260,419.33	\$ 2,923,032.39	\$ 3,072,539.53	\$ 3,221,655.25	\$ 3,371,393.10	\$ 3,526,478.99	
ESTIMATED INTEREST RATE	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
ESTIMATED INTEREST FOR MONTH	\$ 23,930.62	\$ 24,533.34	\$ 25,203.57	\$ 23,837.66	\$ 20,431.50	\$ 17,015.40	\$ 13,585.08	\$ 12,179.30	\$ 12,802.25	\$ 13,423.56	\$ 14,047.47	\$ 14,693.66	\$ 215,683.41
VERTICAL EXPANSION BALANCE BEG MO	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33
EST LFG EXPANSION 06/07(.68 TAB 32)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
VERTICAL EXPANSION BALANCE END MO	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33
AVG BALANCE FOR INT CALCULATION	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33	\$ 1,890,847.33
ESTIMATED INTEREST 06/07	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 7,878.53	\$ 94,542.37
EST INTEREST FOR MONTH COMBINED	\$ 31,809.15	\$ 32,411.87	\$ 33,082.10	\$ 31,716.19	\$ 28,310.03	\$ 24,893.93	\$ 21,463.61	\$ 20,057.83	\$ 20,680.78	\$ 21,302.09	\$ 21,926.00	\$ 22,572.19	\$ 310,225.76
ADJUST INT BASED UPON YTD													

01/11/2007  
13:19 SPB

BOARD OF COMMISSIONERS  
ACCOUNT DETAIL HISTORY FOR 2007 00 TO 2007 13

PG 1  
glacthst

ORG	ACCOUNT								NET LEDGER	NET BUDGET
YR/PR	JNL EFF DATE	SRC REF1	REF2	REF3	CHECK #	OB	AMOUNT		BALANCE	BALANCE
70000000	470 .151055.	INV-SBA-ESCROW	WNI-CL	231024						
							SOY BALANCE		5,752,131.74	
07/02	561 11/27/06	GEN 000200					152,949.26		5,905,081.00	
	LEDGER BALANCES	---	DEBITS:	5,905,081.00	CREDITS:	.00	NET:		5,905,081.00	
	GRAND TOTAL	---	DEBITS:	5,905,081.00	CREDITS:	.00	NET:		5,905,081.00	

1 Records printed

\*\* END OF REPORT - GENERATED BY SUE P. BUTLER \*\*

*as of 1/11/07*

01/11/2007  
13:21 SPB

BOARD OF COMMISSIONERS  
ACCOUNT DETAIL HISTORY FOR 2007 00 TO 2007 13

PG 1  
glacthst

ORG	ACCOUNT							NET LEDGER	NET BUDGET
YR/PR	JNL EFF DATE	SRC REF1	REF2	REF3	CHECK #	OB	AMOUNT	BALANCE	BALANCE
70000000	470 .151056	INV-SBA-ESCROW	WN VERT	231024					
							SOY BALANCE	1,897,647.35	
07/01	527 10/22/06	GEN 000120					9,945.64	1,907,592.99	
	LEDGER BALANCES	---	DEBITS:	1,907,592.99	CREDITS:	.00	NET:	1,907,592.99	
	GRAND TOTAL	---	DEBITS:	1,907,592.99	CREDITS:	.00	NET:	1,907,592.99	

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\*\* END OF REPORT - GENERATED BY SUE P. BUTLER \*\*

*as of 1/11/07*