

Case:	Sensitivity	
Location:	In Pond	
Governing Assumptions:	5 #	
Coal Supply	Current Parsons design	
Drainage Layer	No Marketing	
Marketing		583,929
Annual Gypsum Production		475,600
Annual Ash production		1,902,400
Ash production - 2005 to 2009		20074000
Available storage for wet ash and gypsum as of 2010		20300000
		226000
Years of pond capacity as of 2010		6
Year when dry collection required	2016	17
Years of remaining pond capacity		
Year pond capacity expires (develop the peninsula)	2026	

327000 x 5
2.8

583928.5714

1176610
2101090

0.55999981 583928.8

	Cash Flows	NPV
2005	4,544,744	
2006	1,129,747	
2007	1,173,807	
2008	8,156,619	
2009	1,569,112	
2010	1,630,308	\$ 13,485,506
2011	1,693,890	
2012	1,761,645	
2013	1,832,111	
2014	1,905,396	
2015	37,664,016	\$ 25,330,610
2016	6,888,479	
2017	2,824,889	
2018	2,937,884	
2019	3,055,399	
2020	3,177,615	
2021	3,304,720	
2022	3,436,909	
2023	3,574,385	
2024	3,717,361	
2025	3,866,055	
2026	24,505,068	
2027	4,181,525	
2028	4,348,786	
2029	4,522,738	\$ 31,925,701

KINGSTON FOSSIL PLANT OPTION 1 - WET ASH IN POND GYPSUM ON PENINSULA

(WITHOUT POND BUFFER)

PRESENT WORTH

ITEM No.	DESCRIPTION	UNITS	Total Cost 2005 Dollars	Number of Cycles	2005 Dollars per Cycle	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Escalated SubTotal	PRESENT WORTH of using Capital Dollars																				
CAPITAL COSTS																																																				
1	Install Drains For Swan Pond Road	Lump Sum	\$1,987,628	1	\$1,987,628																																															
4	Ash And Gypsum In Pond	Lump Sum	\$582,456	1	\$582,456																																															
4A	Phase 2 Basin Construction	Lump Sum	\$5,598,822	1	\$5,598,822																																															
4B	Phase 3 Basin Construction	Lump Sum	\$2,156,779	1	\$2,156,779																																															
5	Miscellaneous (to construct peninsula)	Lump Sum	\$1,086,838	3	\$362,279																																															
5A	Dry Fly Ash Conversion	Lump Sum	\$24,175,588	1	\$24,175,588																																															
zz	Engineering	Lump Sum	\$349,210	1	\$349,210																																															
Total Capital Costs			\$ 36,616,313			\$ 3,461,873			\$ 6,837,033							\$ 5,682,404	\$ 4,172,240																																			
OPERATING COSTS																																																				
6	Dredge Cell Phase 1	Lump Sum	\$12,824,840	12	\$1,068,737																																															
10,11,12,13,18,19	Phase 2 Wet Gypsum (Initial Thru Stage 4)	Lump Sum	\$5,183,248	20	\$259,162																																															
14,15,16,17,20	Phase 3 Dry Ash (Initial Thru Stage 4)	Lump Sum	\$1,748,174	12	\$145,681																																															
	QA/QC For Construction Of Disposal Facility	Lump Sum	\$746,424	24	\$31,101																																															
Total Operating Costs			\$ 19,702,686			\$ 1,088,171			\$ 1,733,807																																											
Total Costs			\$ 72,824,000			\$ 4,544,744			\$ 8,570,840																																											
Present Worth of this Option			\$ 31,925,701																																																	