

F	NAME	DATE
O	Those listed	09/13/94
R	ADDRESS	(x) Chatt () M.S. () Knox () Nor

- - - - - Fold here for return - - - - -

F	NAME	EXTENSION
R	Ron Clevenger	2636-C
O	ADDRESS	(x) Chatt () M.S. () Knox () Nor
M	LP 2L-C	

94336 - KINGSTON FOSSIL PLANT - COAL YARD RUNOFF POND

Attachments 3 and 4 were inadvertently omitted from the estimate package (CO9 940907 001) sent to you earlier. Please add these attachments to your package.

K. W. Burnett, LP 2G-C
R. M. Cole, KIF
J. R. Dunn, KIF
W. D. Hall, BR 4A-C
D. A. Howard, BR 3D-C
A. G. Mock, SMW 1B-K
D. W. Scott, LP 2G-C
RIMS, CST 13B-C

2004D
TVA 45D (P&SVS 10-87) INTEROFFICE MAILING SLIP

2004D

94336.(file 94336A1)
 TVA - FHP FHE ESTIMATING
 rept:b1

Estimating Bill of Material
 KINGSTON FOSSIL PLANT
 COAL YARD RUNOFF POND
 .ALT 1-ONE PUMPS & ONE PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Engineered Materials				
Instrumentation				
Level control system	1 ea	1 ea	3,144.00	3,144
subtotal Instrumentation				3,144
Pipe/Tubing				
10" Polyethylene Pipe SDR 19	4,200 lf	4,200 lf	4.56	19,147
Polypropylene Sump 10'diax16'h	1 ea	1 ea	18,864.00	18,864
36" Polypropylene Suction pipe	1 ls	1 ls	12,690.23	12,690
subtotal Pipe/Tubing				50,701
Pipe/Tubing Fittings				
10" Polyethylene Pipe flange	1 ea	1 ea	101.66	102
10" Polyethylene Pipe ftgs 45d	5 ea	5 ea	80.70	403
10" Polyethylene Pipe ftgs 90d	2 ea	2 ea	177.60	355
10" Polyethylene Pipe ftgs WYE	1 ea	1 ea	309.59	310
subtotal Pipe/Tubing Fittings				1,170
Pumps				
6" Vert Cant 40hp pump w/mtr	1 ea	1 ea	75,984.72	75,985
subtotal Pumps				75,985
Subtotal Engineered Materials				131,000
Materials				
Unassigned Class				
Backfill sand around 10" pipe	620 cy	620 tn	5.45	3,382
Cover plwthr proof nema 7-23	1 ea	1 ea	19.00	19
subtotal Unassigned Class				3,401
Cable				
#10 -3/c PXMJ 600v P & C cable	100 lf	110 lf	.72	79
#12-4/c PXMJ 600v P & C cable	40 lf	44 lf	.83	37
#2/0-s/c PXJ-600v P & C cable	120 lf	132 lf	1.73	228
Cable Terminations	62 ea	62 ea	1.00	62
subtotal Cable				406

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Concrete				
Pour concrete in place 3000psi	60 cy	60 cy	65.00	3,900
		subtotal Concrete		3,900
Conduit				
1"GRS conduit w/ftgs & spts	80 lf	80 lf	2.06	165
1-1/2"GRSconduit w/ftgs & spts	12 lf	12 lf	2.92	35
2" GRS conduit w/ftgs & spts	30 lf	30 lf	3.86	116
3/4"GRS conduit w/ftgs & spts	30 lf	30 lf	1.73	52
1" flexible conduit, sealtite	10 lf	10 lf	4.50	45
2" flexible conduit,sealtite	5 lf	5 lf	10.50	53
3/4"flexible conduit, sealtite	5 lf	5 lf	3.50	18
		subtotal Conduit		484
Earth, Sand, Stone				
Crushed Stone Pmp House Area	230 tn	230 tn	9.00	2,070
Backfill 1" crushed stone	340 C.Y.	340 tn	10.13	3,443
		subtotal Earth, Sand, Stone		5,513
Formwork				
Formwork for slab & walls sump	1,792 sfca	1,792 sfca	2.05	3,665
		subtotal Formwork		3,665
Grounding				
Bare copper wire stranded #2	50 lf	60 lf	.65	39
Grnd,cdwl,#2 wire motr frame	4 ea	4 ea	10.00	40
		subtotal Grounding		79
Misc Steel				
Welded shear conn 3/4"x4-3/16"	24 ea	24 ea	1.00	24
Steel Plates 3/4"x1'x1'-2"	6 ea	6 ea	25.00	150
		subtotal Misc Steel		174

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Estimating Bill of Material
. KINGSTON FOSSIL PLANT .
. COAL YARD RUNOFF POND .
.ALT 1-ONE PUMPS & ONE PIPELINE.

ATTACHMENT 3
Page 3

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Pipe/Tubing				
4" PVC pipe sch 40	10 lf	10 lf	4.00	40
1" SSteel 316 pipe sch 40	10 lf	10 lf	7.00	70
1" sockolet 3000# 316ss 90deg	2 ea	2 ea	50.00	100
1/2"plug hex head 316 ss	1 ea	1 ea	15.00	15
10" SSteel 316 45deg sch 40	2 ea	2 ea	880.00	1,760
10" SSteel 316 flange,150# SO	1 ea	1 ea	700.00	700
10" SSteel 316 pipe sch 40	10 lf	10 lf	142.00	1,420
10"x1" sockolet 3000# 316 ss	1 ea	1 ea	108.00	108
10"x1" threadolet 3000# 316 ss	1 ea	1 ea	90.00	90
10x6" SS 316 reducer sch 40	1 ea	1 ea	600.00	600
6" SSteel 316 90deg sch 40	1 ea	1 ea	375.00	375
6" SSteel 316 flange,150# SO	1 ea	1 ea	235.00	235
12" pipe sleeves,A53 cs,coated	100 lf	100 lf	48.00	4,800
		subtotal Pipe/Tubing		10,313
Reinforcing Steel				
Reinforcing place walls, #3 #7	4 ton	4 ton	540.10	2,160
		subtotal Reinforcing Steel		2,160
Specialties				
Valve box 20"x14"x16"dp,plas	1 ea	1 ea	200.00	200
Valve box 20"x14"x6"dp,plas	1 ea	1 ea	100.00	100
		subtotal Specialties		300
Structural Steel				
3"x3"x5/16 steel angle A36	10 lf	10 lf	4.00	40
Str stl,wf,10'- 45's,w 14 x 26	50 lf	50 lf	12.76	638
1-1/2"x 3/16"Galv bar grating	125 sf	125 sf	12.00	1,500
		subtotal Structural Steel		2,178
Switchgear & MCC's				
Safety hvy duty 600v 3p 60 a	1 ea	1 ea	700.00	700
		subtotal Switchgear & MCC's		700

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Estimating Bill of Material
 . KINGSTON FOSSIL PLANT .
 . COAL YARD RUNOFF POND .
 .ALT 1-ONE PUMPS & ONE PIPELINE.

ATTACHMENT 3
 Page 4

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Valves				
1" ss gate valve 150#, threaded	1 ea	1 ea	6,300.00	6,300
10" ss check valve 150#, flngd	1 ea	1 ea	6,300.00	6,300
		subtotal Valves		12,600
Wiring Devices				
1" FD outlet box	1 ea	1 ea	10.00	10
Ground fault indicating, 15 amp	1 ea	1 ea	40.00	40
		subtotal Wiring Devices		50
		Subtotal Materials		45,923
		TOTAL MATERIALS		176,923

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Engineered Materials				
Instrumentation				
Level control system	1 ea	1 ea	3,159.50	3,159
			subtotal Instrumentation	3,159
Pipe/Tubing				
10" Polyethylene Pipe SDR 19	4,200 lf	4,200 lf	4.58	19,241
Polypropylene Sump 10'diax16'h	1 ea	1 ea	18,956.97	18,957
36" Polypropylene Suction pipe	1 ls	1 ls	12,752.77	12,753
			subtotal Pipe/Tubing	50,951
Pipe/Tubing Fittings				
10" Polyethylene Pipe flange	1 ea	1 ea	102.16	102
10" Polyethylene Pipe ftgs 45d	5 ea	5 ea	81.09	405
10" Polyethylene Pipe ftgs 90d	2 ea	2 ea	178.48	357
10" Polyethylene Pipe ftgs WYE	1 ea	1 ea	306.47	306
			subtotal Pipe/Tubing Fittings	1,171
Pumps				
6" Vert Cant 40hp pump w/mtr	2 ea	2 ea	76,359.20	152,718
			subtotal Pumps	152,718
			Subtotal Engineered Materials	208,000
Materials				
Unassigned Class				
Backfill sand around 10" pipe	620 cy	620 tn	5.45	3,382
Cover plwthr proof nema 7-23	1 ea	1 ea	19.00	19
			subtotal Unassigned Class	3,401
Cable				
#10 -3/c PXMJ 600v P & C cable	100 lf	110 lf	.72	79
#12-4/c PXMJ 600v P & C cable	40 lf	44 lf	.83	37
#2/0-s/c PXJ-600v P & C cable	120 lf	132 lf	1.73	228
Cable Terminations	62 ea	62 ea	1.00	62
			subtotal Cable	406

94336.(file 94336A2)
 TVA - FHP FHE ESTIMATING
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Estimating Bill of Material
 . KINGSTON FOSSIL PLANT .
 . COAL YARD RUNOFF POND .
 .ALT 2-TWO PUMPS & ONE PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Concrete				
Pour concrete in place 3000psi	60 cy	60 cy	65.00	3,900
		subtotal Concrete		3,900
Conduit				
1"GRS conduit w/ftgs & spts	80 lf	80 lf	2.06	165
1-1/2"GRSconduit w/ftgs & spts	12 lf	12 lf	2.92	35
2" GRS conduit w/ftgs & spts	30 lf	30 lf	3.86	116
3/4"GRS conduit w/ftgs & spts	30 lf	30 lf	1.73	52
1" flexible conduit, sealtite	10 lf	10 lf	4.50	45
2" flexible conduit,sealtite	5 lf	5 lf	10.50	53
3/4"flexible conduit, sealtite	5 lf	5 lf	3.50	18
		subtotal Conduit		484
Earth, Sand, Stone				
Crushed Stone Pmp House Area	230 tn	230 tn	9.00	2,070
Backfill 1" crushed stone	340 C.Y.	340 tn	10.13	3,443
		subtotal Earth, Sand, Stone		5,513
Formwork				
Formwork for slab & walls sump	1,792 sfca	1,792 sfca	2.05	3,665
		subtotal Formwork		3,665
Grounding				
Bare copper wire stranded #2	50 lf	60 lf	.65	39
Grnd,cdwl,#2 wire motr frame	4 ea	4 ea	10.00	40
		subtotal Grounding		79
Misc Steel				
Welded shear conn 3/4"x4-3/16"	24 ea	24 ea	1.00	24
Steel Plates 3/4"x1'x1'-2"	6 ea	6 ea	25.00	150
		subtotal Misc Steel		174

94336.(file 94336A2)
TVA - FHP FHE ESTIMATING
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Estimating Bill of Material
. KINGSTON FOSSIL PLANT .
. COAL YARD RUNOFF POND .
.ALT 2-TWO PUMPS & ONE PIPELINE.

ATTACHMENT 3
Page 3

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Pipe/Tubing				
4" PVC pipe sch 40	10 lf	10 lf	4.00	40
1" SSteel 316 pipe sch 40	20 lf	20 lf	7.00	140
1" sockolet 3000# 316ss 90deg	4 ea	4 ea	50.00	200
1/2"plug hex head 316 ss	2 ea	2 ea	15.00	30
10" SSteel 316 45deg sch 40	4 ea	4 ea	880.00	3,520
10" SSteel 316 flange,150# SO	2 ea	2 ea	700.00	1,400
10" SSteel 316 pipe sch 40	20 lf	20 lf	142.00	2,840
10"x1" sockolet 3000# 316 ss	2 ea	2 ea	108.00	216
10"x1" threadolet 3000# 316 ss	2 ea	2 ea	90.00	180
10x6" SS 316 reducer sch 40	2 ea	2 ea	600.00	1,200
6" SSteel 316 90deg sch 40	2 ea	2 ea	375.00	750
6" SSteel 316 flange,150# SO	2 ea	2 ea	235.00	470
12" pipe sleeves,A53 cs,coated	200 lf	200 lf	48.00	9,600
		subtotal Pipe/Tubing		20,586
Reinforcing Steel				
Reinforcing place walls, #3 #7	4 ton	4 ton	540.10	2,160
		subtotal Reinforcing Steel		2,160
Specialties				
Valve box 20"x14"x16"dp,plas	2 ea	2 ea	200.00	400
Valve box 20"x14"x6"dp,plas	2 ea	2 ea	100.00	200
		subtotal Specialties		600
Structural Steel				
3"x3"x5/16 steel angle A36	10 lf	10 lf	4.00	40
Str stl,wf,10'- 45's,w 14 x 26	50 lf	50 lf	12.76	638
1-1/2"x 3/16"Galv bar grating	125 sf	125 sf	12.00	1,500
		subtotal Structural Steel		2,178
Switchgear & MCC's				
Safety hvy duty 600v 3p 60 a	1 ea	1 ea	700.00	700
		subtotal Switchgear & MCC's		700

94336.(file 94336A2)
 TVA - FHP FHE ESTIMATING
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Estimating Bill of Material
 . KINGSTON FOSSIL PLANT .
 . COAL YARD RUNOFF POND .
 .ALT 2-TWO PUMPS & ONE PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Valves				
1" ss gate valve 150#, threaded	2 ea	2 ea	6,300.00	12,600
10" ss check valve 150#, flngd	2 ea	2 ea	6,300.00	12,600
		subtotal Valves		25,200
Wiring Devices				
1" FD outlet box	1 ea	1 ea	10.00	10
Ground fault indicating, 15 amp	1 ea	1 ea	40.00	40
		subtotal Wiring Devices		50
		Subtotal Materials		69,096
		TOTAL MATERIALS		277,096

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Engineered Materials				
Instrumentation				
Level control system	1 ea	1 ea	3,148.41	3,148
subtotal Instrumentation				3,148
Pipe/Tubing				
10" Polyethylene Pipe SDR 19	8,400 lf	8,400 lf	4.57	38,348
Polypropylene Sump 10'diax16'h	1 ea	1 ea	18,890.46	18,890
36" Polypropylene Suction pipe	1 ls	1 ls	12,708.03	12,708
subtotal Pipe/Tubing				69,946
Pipe/Tubing Fittings				
10" Polyethylene Pipe flange	2 ea	2 ea	101.80	204
10" Polyethylene Pipe ftgs 45d	10 ea	10 ea	80.81	808
10" Polyethylene Pipe ftgs 90d	4 ea	4 ea	177.85	711
subtotal Pipe/Tubing Fittings				1,723
Pumps				
6" Vert Cant 40hp pump w/mtr	2 ea	2 ea	76,091.30	152,183
subtotal Pumps				152,183
Subtotal Engineered Materials				227,000
Materials				
Unassigned Class				
Backfill sand around 10" pipe	620 cy	620 tn	5.45	3,382
Cover plwthr proof nema 7-23	1 ea	1 ea	19.00	19
subtotal Unassigned Class				3,401
Cable				
#10 -3/c PXMJ 600v P & C cable	100 lf	110 lf	.72	79
#12-4/c PXMJ 600v P & C cable	40 lf	44 lf	.83	37
#2/0-s/c PXJ-600v P & C cable	120 lf	132 lf	1.73	228
Cable Terminations	62 ea	62 ea	1.00	62
subtotal Cable				406

94336.(file 94336A3)
TVA - FHP FHE ESTIMATING
rept:b1

Estimating Bill of Material
. KINGSTON FOSSIL PLANT .
. COAL YARD RUNOFF POND .
.ALT 3-TWO PUMPS & TWO PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Concrete				
Pour concrete in place 3000psi	60 cy	60 cy	65.00	3,900
		subtotal Concrete		3,900
Conduit				
1"GRS conduit w/ftgs & spts	80 lf	80 lf	2.06	165
1-1/2"GRSconduit w/ftgs & spts	12 lf	12 lf	2.92	35
2" GRS conduit w/ftgs & spts	30 lf	30 lf	3.86	116
3/4"GRS conduit w/ftgs & spts	30 lf	30 lf	1.73	52
1" flexible conduit, sealtite	10 lf	10 lf	4.50	45
2" flexible conduit,sealtite	5 lf	5 lf	10.50	53
3/4"flexible conduit, sealtite	5 lf	5 lf	3.50	18
		subtotal Conduit		484
Earth, Sand, Stone				
Crushed Stone Pmp House Area	230 tn	230 tn	9.00	2,070
Backfill 1" crushed stone	340 C.Y.	340 tn	10.13	3,443
		subtotal Earth, Sand, Stone		5,513
Formwork				
Formwork for slab & walls sump	1,792 sfca	1,792 sfca	2.05	3,665
		subtotal Formwork		3,665
Grounding				
Bare copper wire stranded #2	50 lf	60 lf	.65	39
Grnd,cdwl,#2 wire motr frame	4 ea	4 ea	10.00	40
		subtotal Grounding		79
Misc Steel				
Welded shear conn 3/4"x4-3/16"	24 ea	24 ea	1.00	24
Steel Plates 3/4"x1'x1'-2"	6 ea	6 ea	25.00	150
		subtotal Misc Steel		174

94336.(file 94336A3)
 TVA - FHP FHE ESTIMATING
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Estimating Bill of Material
 KINGSTON FOSSIL PLANT
 COAL YARD RUNOFF POND
 .ALT 3-TWO PUMPS & TWO PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Pipe/Tubing				
4" PVC pipe sch 40	10 lf	10 lf	4.00	40
1" SSteel 316 pipe sch 40	20 lf	20 lf	7.00	140
1" sockolet 3000# 316ss 90deg	4 ea	4 ea	50.00	200
1/2"plug hex head 316 ss	2 ea	2 ea	15.00	30
10" SSteel 316 45deg sch 40	4 ea	4 ea	880.00	3,520
10" SSteel 316 flange,150# S0	2 ea	2 ea	700.00	1,400
10" SSteel 316 pipe sch 40	20 lf	20 lf	142.00	2,840
10"x1" sockolet 3000# 316 ss	2 ea	2 ea	108.00	216
10"x1" threadolet 3000# 316 ss	2 ea	2 ea	90.00	180
10x6" SS 316 reducer sch 40	2 ea	2 ea	600.00	1,200
6" SSteel 316 90deg sch 40	2 ea	2 ea	375.00	750
6" SSteel 316 flange,150# S0	2 ea	2 ea	235.00	470
12" pipe sleeves,A53 cs,coated	200 lf	200 lf	48.00	9,600
		subtotal Pipe/Tubing		20,586
Reinforcing Steel				
Reinforcing place walls, #3 #7	4 ton	4 ton	540.10	2,160
		subtotal Reinforcing Steel		2,160
Specialties				
Valve box 20"x14"x16"dp,plas	2 ea	2 ea	200.00	400
Valve box 20"x14"x6"dp,plas	2 ea	2 ea	100.00	200
		subtotal Specialties		600
Structural Steel				
3"x3"x5/16 steel angle A36	10 lf	10 lf	4.00	40
Str stl,wf,10'- 45's,w 14 x 26	50 lf	50 lf	12.76	638
1-1/2"x 3/16"Galv bar grating	125 sf	125 sf	12.00	1,500
		subtotal Structural Steel		2,178
Switchgear & MCC's				
Safety hvy duty 600v 3p 60 a	1 ea	1 ea	700.00	700
		subtotal Switchgear & MCC's		700

94336.(file 94336A3)
 TVA - FHP FHE ESTIMATING
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Estimating Bill of Material
 . KINGSTON FOSSIL PLANT .
 . COAL YARD RUNOFF POND .
 .ALT 3-TWO PUMPS & TWO PIPELINE.

Description	Takeoff Quantity	Order Quantity	Unit Price	Amount
Materials				
Valves				
1" ss gate valve 150#, threaded	2 ea	2 ea	6,300.00	12,600
10" ss check valve 150#, flngd	2 ea	2 ea	6,300.00	12,600
		subtotal Valves		25,200
Wiring Devices				
1" FD outlet box	1 ea	1 ea	10.00	10
Ground fault indicating, 15 amp	1 ea	1 ea	40.00	40
		subtotal Wiring Devices		50
		Subtotal Materials		69,096
		TOTAL MATERIALS		296,096

**KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND
ALT 1 - ONE PUMP & ONE PIPELINE
Cash Flow**

	<u>Prior Years</u>	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>Ensuing Years</u>	<u>Total</u>
PHASE I						
Engineering	\$0	\$0	\$0	\$0	\$0	\$0
TVA - Other Costs	0	0	0	0	0	0
Total Phase I	\$0	\$0	\$0	\$0	\$0	\$0

PHASE II						
Engineering	\$0	\$0	\$21,580	\$0	\$0	\$21,580
Long Lead Procurements(Incl. Cntgcy)	0	0	131,000	0	0	131,000
Partner (Non-Manual)	0	0	6,000	0	0	6,000
TVA - Other Costs	0	0	12,000	0	0	12,000
Total Phase II	\$0	\$0	\$170,580	\$0	\$0	\$170,580

PHASE III						
Construction (Partner)						
Material	\$0	\$0	\$45,921	\$0	\$0	\$45,921
Labor	0	0	101,558	0	0	101,558
Equipment Usage	0	0	61,417	0	0	61,417
Subcontracts	0	0	244	0	0	244
Non-Manual	0	0	23,960	0	0	23,960
Other Costs	0	0	0	0	0	0
Partner Expenses/Charges	0	0	18,940	0	0	18,940
Contingency	0	0	21,069	0	0	21,069
Total Construction Cost	\$0	\$0	\$273,109	\$0	\$0	\$273,109
Engineering	0	0	1,670	0	0	1,670
TVA - Other Costs:						
Plant O/H-Material Handling	0	0	0	0	0	0
Plant O/H-Support	0	0	0	0	0	0
Other Organizations	0	0	0	0	0	0
Project Contingency	0	0	44,641	0	0	44,641
Total Phase III	\$0	\$0	\$319,420	\$0	\$0	\$319,420

TOTAL ALL PHASES						
Construction (Partner)	\$0	\$0	\$279,109	\$0	\$0	\$279,109
Long Lead Procurements(Incl. Cntgcy)	0	0	131,000	0	0	131,000
Engineering	0	0	23,250	0	0	23,250
TVA - Other Costs	0	0	12,000	0	0	12,000
Project Contingency	0	0	44,641	0	0	44,641
TOTAL ALL PHASES	\$0	\$0	\$490,000	\$0	\$0	\$490,000

SCHEDULE:	Engineering		Construction	
	- Start -	- Complete -	- Start -	- Complete -
Phase I	04/04/94	08/26/94		
Phase II	10/03/94	12/30/94		
Phase III	FY 95	FY 95	FY 95	FY 95

**KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND
ALT 2 - TWO PUMPS & ONE PIPELINE
Cash Flow**

	<u>Prior Years</u>	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>Ensuing Years</u>	<u>Total</u>
PHASE I						
Engineering	\$0	\$0	\$0	\$0	\$0	\$0
TVA - Other Costs	0	0	0	0	0	0
Total Phase I	\$0	\$0	\$0	\$0	\$0	\$0

PHASE II						
Engineering	\$0	\$0	\$21,580	\$0	\$0	\$21,580
Long Lead Procurements(Incl. Cntgcy)	0	0	208,000	0	0	208,000
Partner (Non-Manual)	0	0	6,000	0	0	6,000
TVA - Other Costs	0	0	12,000	0	0	12,000
Total Phase II	\$0	\$0	\$247,580	\$0	\$0	\$247,580

PHASE III						
Construction (Partner)						
Material	\$0	\$0	\$69,093	\$0	\$0	\$69,093
Labor	0	0	108,363	0	0	108,363
Equipment Usage	0	0	61,400	0	0	61,400
Subcontracts	0	0	244	0	0	244
Non-Manual	0	0	25,300	0	0	25,300
Other Costs	0	0	0	0	0	0
Partner Expenses/Charges	0	0	20,400	0	0	20,400
Contingency	0	0	24,000	0	0	24,000
Total Construction Cost	\$0	\$0	\$308,800	\$0	\$0	\$308,800
Engineering	0	0	1,670	0	0	1,670
TVA - Other Costs:						
Plant O/H-Material Handling	0	0	0	0	0	0
Plant O/H-Support	0	0	0	0	0	0
Other Organizations	0	0	0	0	0	0
Project Contingency	0	0	55,950	0	0	55,950
Total Phase III	\$0	\$0	\$366,420	\$0	\$0	\$366,420

TOTAL ALL PHASES						
Construction (Partner)	\$0	\$0	\$314,800	\$0	\$0	\$314,800
Long Lead Procurements(Incl. Cntgcy)	0	0	208,000	0	0	208,000
Engineering	0	0	23,250	0	0	23,250
TVA - Other Costs	0	0	12,000	0	0	12,000
Project Contingency	0	0	55,950	0	0	55,950
TOTAL ALL PHASES	\$0	\$0	\$614,000	\$0	\$0	\$614,000

SCHEDULE:	Engineering		Construction	
	- Start -	- Complete -	- Start -	- Complete -
Phase I	04/04/94	08/26/94		
Phase II	10/03/94	12/30/94		
Phase III	FY 95	FY 95	FY 95	FY 95

**KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND
ALT 3 - TWO PUMPS & TWO PIPELINE
Cash Flow**

	<u>Prior Years</u>	<u>FY 1994</u>	<u>FY 1995</u>	<u>FY 1996</u>	<u>Ensuing Years</u>	<u>Total</u>
PHASE I						
Engineering	\$0	\$0	\$0	\$0	\$0	\$0
TVA - Other Costs	0	0	0	0	0	0
Total Phase I	\$0	\$0	\$0	\$0	\$0	\$0

PHASE II						
Engineering	\$0	\$0	\$21,580	\$0	\$0	\$21,580
Long Lead Procurements(Incl. Cntgcy)	0	0	227,000	0	0	227,000
Partner (Non-Manual)	0	0	6,000	0	0	6,000
TVA - Other Costs	0	0	12,000	0	0	12,000
Total Phase II	\$0	\$0	\$266,580	\$0	\$0	\$266,580

PHASE III						
Construction (Partner)						
Material	\$0	\$0	\$69,094	\$0	\$0	\$69,094
Labor	0	0	136,536	0	0	136,536
Equipment Usage	0	0	63,226	0	0	63,226
Subcontracts	0	0	244	0	0	244
Non-Manual	0	0	30,900	0	0	30,900
Other Costs	0	0	0	0	0	0
Partner Expenses/Charges	0	0	26,000	0	0	26,000
Contingency	0	0	27,000	0	0	27,000
Total Construction Cost	\$0	\$0	\$353,000	\$0	\$0	\$353,000
Engineering						
Engineering	0	0	1,670	0	0	1,670
TVA - Other Costs:						
Plant O/H-Material Handling	0	0	0	0	0	0
Plant O/H-Support	0	0	0	0	0	0
Other Organizations	0	0	0	0	0	0
Project Contingency	0	0	61,750	0	0	61,750
Total Phase III	\$0	\$0	\$416,420	\$0	\$0	\$416,420

TOTAL ALL PHASES						
Construction (Partner)	\$0	\$0	\$359,000	\$0	\$0	\$359,000
Long Lead Procurements(Incl. Cntgcy)	0	0	227,000	0	0	227,000
Engineering	0	0	23,250	0	0	23,250
TVA - Other Costs	0	0	12,000	0	0	12,000
Project Contingency	0	0	61,750	0	0	61,750
TOTAL ALL PHASES	\$0	\$0	\$683,000	\$0	\$0	\$683,000

SCHEDULE:	Engineering		Construction	
	- Start -	- Complete -	- Start -	- Complete -
Phase I	04/04/94	08/26/94		
Phase II	10/03/94	12/30/94		
Phase III	FY 95	FY 95	FY 95	FY 95

**FOSSIL ENGINEERING
COST SUMMARY**

PROJECT: KINGSTON FOSSIL PLANT

FISCAL YEAR: 95

FEATURE: COAL YARD RUNOFF POND

PHASE: 2

PCN: N/A

PREPARED BY: C. L. MOUNT

	PDE	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Fossil Engineering	\$0	\$7,070	\$6,470	\$7,070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,609
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**FOSSIL ENGINEERING
COST SUMMARY**

PROJECT: KINGSTON FOSSIL PLANT

FISCAL YEAR: 95

FEATURE: COAL YARD RUNOFF POND

PHASE: 3

PCN: N/A

PREPARED BY: C. L. MOUNT

	PDE	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Fossil Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,670
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

* Schedule to be determined