TENNESSEE VALLEY AUTHORITY

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PM Database Number	3118	Parent Work Document Numbe	4589	
Perform Work	SE-24	(X)New ()Revised Additional Account #		• • •
to Perform Engg	Eossil Eng	Retirement Account #		
PLANT/AREA: KINGST	ON		Unit:	00
PROJECT NAME: KIF-YAF	RD - COAL RECEIVING SYSTE	M	Phase:	3
MAJOR BENEFIT CATEGOR	Y: FUEL HANDLING			
Fuel cost accounts for 80.5%	NT (Identify Problem Area and the of Kingston's operating budget. K is projected to increase 77.5% du	Kingston's delivered fuel cost was \$0.48/ton higher than the TVA average (exclude	ling Parad	ise) in FY 94.
PROBLEM DEFINITION (Stat	te the Problem and the Target/Go	val to be Achieved):		
transportation contract limiting	ing fee on coal received via the C3 CSX deliveries to 30% of total rec s from Caney Creek to the plant, v	SX railway. Kingston's target is to eliminate the switching fee (\$135/car in FY 200 ceipts at Kingston. In addition, this project will eliminate the cost associated with which is approximately 6 miles.	00) and the Kingston	e existing NS personnel *
	Root Cause and the Cause-and-E			N
prevents rail carriers from deliv	vering unit trains directly into the K	om obtaining the best price possible for delivered coal. Also, the existing rail aligr Kingston full yard.		ue pan
SOLUTIONS (Description of P	Project and Quantification of Bene	afits Expected);		· · · ·
Build a new rail line that will allo	ow both CSX and Norfolk Souther	rn to make unit train deliveries to Kingston Steam Plant. A new rail line will provid Kingston's coal handling responsibilities.	le increase	эđ
		· · · · · · · · · · · · · · · · · · ·	<u>_</u>	<u> </u>
	d Description of Field Work to be man Yard to the Kingston Steam F	performed): Plant that will allow CSX and Norfolk Southern railways to deliver unit trains all the	e way into t	he Kingston
Implementation During Outage	e#	Start Date:/ Finish Date:/	L	
	RECOMMENDE	ED FOR APPROVAL (Signatures Required):		
H W BUNN		1-98 Nathan W. Burnis/Dage	3/31	198
Project Manager		Date Plant Manager	Da	te
	PAB Approval	Approvals Outside the PAB		

PAB Secretary (Proj > 250K)

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Date

Vice President

Date

Database Humber				Parent Work Document Nu	mber 4563	3
Los Systol	SE-24		(X)Hew	()Revised		
(s) to Perform Work			Additional Acc	cunt #		
(a) to Perform Engg	Eosel Pag		Relitement Ac			
PLANTIAREA: KINGSTON	· .				Unit	90
OJECT NAME: KIR-YARD-I	COAL RECEIVING SY	STEM			Phase:	\$
JOR BENEFIT CATEGORY: 1	FUEL HANDLING					1 · · · ·
· · ·						·
ASON FOR BUPROVEMENT (denily Problem Area a	nd the Quantificitie Impac	Ŋ:			
e cost accounts for 60.5% of 19r	poton's sparaling budg	jet. Kingston's delivered f	vel cost was 39,46/ton hig	her than the TVA evenage (ex	cluding Para	diee) in FY 9
gsion's delivered fuel cost is pro	jected to increase 77.5	% chaing the next filleon (15) years.			
OBLEM DEFINITION (SUM TH	Problem and the Terro	el/Goet to be Achieved):				<u> </u>
commity charges a sufficiency is	n an coal Nonived via (the CSX railway, Kingston	is target is to eliminate the	switching fee (\$135/car in F)	r 2000) and 1	he existing N
reportation construct Breaking CSX	deliveries to 30% of to	tel receipts at Kingston. 1	n addition, this project will	climinate the cost associated	with Kingeton	a personnel
ing to shuttle coal deliveries from	n Caney Creek to into p	ant, which is approximate	RY & STRING.			
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ALYSIS (Verification of the Root				d and the the webser with	فيتر فيرم معرفهم	
ecit of competition becinem tail o remin rail ontrine from delivering	eners prevents kongst 1 unit traite directiv into	pp and opparing the pesi the Kingston full ward.	price possible for derivere	th Cost" wear" and standing 1981.	adhean ean	а пла равк
	and the second			• .		
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U/TIONS (Description of Projec		, , ,	A		and the state of the second	
icia new califice first will allow b specificn, similate switching for	08: 1-34 200 100:00 30 3. and 2000 000 000	wanten io mana vini avin Ace Kinaston's ogel handi	generas la ragada ana ing responsibilities.	ant comments and reading state and other with		
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ROJECT SCOPE (Detailed De					18. 48	
25 a new ralf Scu. Stein Harrinson' Yerd.	Yard to the Kingston St	earn Flant Gal will slipe C	ISX and Norfolk Southern	(SUMERCE) OF ORDER OF THE CARDS S	la une youy and	a and location
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characteriation Owing Outoge #		Start Da	(#; <u></u>	Finish Data:		
	RECOMM	ENDED FOR APPROVA	L (Signetures Required):			
				W the same	7.	sha
			- Alla	1 - Marin		2/ 10
Project Manager	B Annun M	Date		TE Manager	4	2:00
PAL	B Apprová			A SUBJECT OF SUBJECT O		
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BAD Currier But - OFMA		Date		maximut		
PAB Securiary (Proj > 250K)		Date	Yice F	resident	ן ייני יי ד ייייקעיי	
PAB Secretary (Proj > 25010) A 2440 JFH 1-83] Page 1 of 2	Printed 05(27/88	Date	YSC F	**************************************	ן אורה ולייים ביייי ביישאיייייייייייייייייייייייייייי	

TENNESSEE VALLEY AUTHORITY FOSSIL AND HYDRO PROJECT AUTHORIZATION SUMMARY

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PLANT/AREA: KINGSTON PLANT UNIT 00 PROJECT NAME: KIF-YARD - COAL RECEIVING SYSTEM											<u>4589</u> 3118	
PREVIOUS API	PROVAL	FOR PHA	SE		С	OST SUM	MARY (\$0	00)				
	CT PHASE		Prior Yrs PAB Appr's	1998	1999	2000	2001	2002	2003	2004	Future Years	Total Projec
- Study	Start	10/01/94 02/05/97	421	0	0	0	0	0	0	0	0	4
- Design and LL Procurement	Start Complete	02/05/96	3205	127	0	Ō	0	0	0	0	0	33
- Implementation	Start	04/01/96	1095	5873	9016	15	0	0	0	0	0	159
(Incl. Retirement)	Complete	09/24/99			0046	45		0	0			
otal Project		· • • • •	4721	6000	9016	15	0			0	0	197
EXPLANATION OF COST OR SCHEDULE REVISI			EVISION:					Approv Lo		к		
								.				9.,
Current Budget (Sp	endplan)		· .	8067	9016	15	0	0	0	0	0	
											1	
REQUESTED A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		r	<u>с</u>	OST SUM	MARY (\$0	00)	I		C. dura	
	ECT PHASE	E	Prior Yrs Actuals	1998	1999	2000	2001	2002	2003	2004	Future Years	Tota Proje
- Study	Start Complete	10/01/94 02/05/97	415	0	0	0	0	0	0	· 0	0	4
2- Design and LL Procurement	Start Complete	02/05/96 03/16/98	1540	1002	0	0	0	0	0	0	0	25
3 - Implementation (Incl. Retirement)	Start Complete	04/01/98 10/30/99	1069	4468	9624	1633	0	0	0	0	0	1679
Total Project		· .	3025	5470	9624	1633	0	0	0	0	0	197
ECONOMIC EVALU, OPTIONS CONSIL 1. Construct overland 2. Provide facilities fo 3. Supply coal to Kin 4. Provide an alterna	DERED: d conveyor fr or barge coal gston entirely	(not feasible y by truck (qua	to receive coal of antity needed no	of quality ne t available	eeded). at reasona	ble distanc		Approv Lo	al Project	ems Includ Costs Abor rocurement		к
RISK ASSESSMEI	NT/SENSITI'	VITY ANALYS	SIS:									
ECONOMIC CALC			ım Load Foreca alue (NPV)	•	Payback	cin5	years N	IPV for De	ferral to ne	ext Available	e Period	
ADDITIONAL INFOR This funding request		nainder of Pha	ase 3.									
ENVIRONMENTAL	REVIEW: AI	n Environmen	tal impact State	ment has t	peen prepa	red and ap	proved for	this projec	t.	w		
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