

System Impact Study SPP-2003-076-1 For Transmission Service Requested By Cargill - Alliant

From CLEC To ERCOTN

For a Reserved Amount Of 200 MW From 1/1/2004 To 1/1/2005

SPP Engineering, Tariff Studies

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System Impact Study

Cargill – Alliant has requested a system impact study for Point-to-Point transmission service from CLEC to ERCOTN for 200 MW. The period of the service requested is from 1/1/2004 to 1/1/2005. The OASIS reservation numbers are 495353 and 495354. The principal objective of this study is to identify system constraints on the SPP Regional Tariff System and potential system facility upgrades that may be necessary to provide the requested service.

The CLEC to ERCOTN request was studied to determine the facility upgrades required based on the actual queue position of the request with only those higher priority requests in Facility Study mode included in the models. Higher priority requests still in study mode that have not gone to facility study mode were not included in the models. The results of the transfer analysis are documented in <u>Table 1</u>. The results given in <u>Table 1</u> include upgrades that may be assigned to higher priority requests. The results of this study gives the customer an estimated cost of the facility upgrades that may be required in order to accommodate the CLEC to ERCOTN 200 MW request.

Six seasonal models were used to study the CLEC to ERCOTN 200 MW request for the requested service period. The SPP 2003 Series Cases 2003/04 Winter Peak (03WP), 2004 April Min (04AP), 2004 Spring Peak (04G), 2004 Summer Peak (04SP), 2004 Fall Peak (04FA), and 2004/05 Winter Peak (04WP were used to study the impact of the 200 MW request on the SPP system during a the requested service period of 1/1/2004 to 1/1/2005. The chosen base case models were modified to reflect firm transfers during the requested service period that were not already included in the January 2003 base case series models.

PTI's MUST First Contingency Incremental Transfer Capability (FCITC) DC analysis was used to study the request. The MUST option to convert MVA branch ratings to estimated MW ratings was used to partially compensate for reactive loading.

With only the higher priority requests that have signed Facility Study Agreements included in the models, the study results of the CLEC to ERCOTN 200 MW transfer show that limiting constraints exist. Due to the limiting constraints identified, the Transmission Service Request cannot be granted. Any solutions, upgrades, and costs provided in the System Impact Study are planning estimates only. The final ATC and upgrades required may vary from these results due to the status of higher priority requests, unknown facility upgrades and proposed transmission plans that will be identified during the facility study process, and the final results of the full AC analysis. Evaluation of the right to renew service for future years was not performed. Renewal rights will be evaluated as part of the facility study. Execution of a Facility Study Agreement is now required to maintain queue position. The final upgrade solutions and cost assignments will be determined upon the completion of the facility study.

<u>**Table 1**</u> – SPP facility overloads identified for the CLEC to ERCOTN transfer

USWP WFEC-WFEC 55802 ACIME 2 68 5602 WINDERNATE 01 38 55841 CANADNS4 38 5438 CATSARES 161 2 10 Acme -GPD. Mitigation Plan \$ 03WP AEPW-GRRD 53802 CATOOSAH 138 54438 CATSARES 161 1 105 55802 CATOOSAH 138 5438 CATSARES 161 2 10 None -GPD. Mitigation Plan \$ 03WP AEPW-GRRD 53802 CATOOSAH 138 54438 CATSARES 161 1 105 55723 CONE 5 161 2700 WIELETKS 161 1 106 Replace Eufaula Transformer \$ 2.00 03WP XEVMERE 57372 WHILP3 115 57438 WICHERS 115 1 10 56872 EMCPHERS 200 6873 SUMMT 6 201 0 Rebuid 0.88 miles and reconductor with 1192.5 ACSR. \$ 4 03WP WERE-WERE 57374 SHILP3 115 57438 WICHERS 115 1 7 56872 EMCPHERS 200 56973 2UMMT 6 201 0 Teer down double circuit with 192.5 ACSR. \$ 2 0 04AP WEEC-WEEC 55802 ACIME 2 68 55804 CANADNS4 138 1 0 See Previous \$ \$ 04G WFEC-WEEC 55802 ACIME 2 68 55812 CANADNS4 138 1 0 See Previous \$ 04G WFEC-WFEC 55802 ACIME 2 68 55872 CANADNS4 138 1 0 See Previous \$ \$	Study Year	From Area - To Area	Branch Over 100% Rate B	Rate B	Outaged Branch Causing Overload	ATC	Solution	E	stimated Cost
OWN P AEPW-GRND Status CATOORSAL 138 4438 CATSAGRE 111 50 Status CATOORSAL 21 None - GRDA Mingston Plan \$ OWN P AEPW-GRNS 13802 CATOORSAL 138 4438 CATSAGRE 101 2 105 Status CATSAGRE 101 2 None - GRDA Mingston Plan \$ OWN P VERE-WREE ST377 EUF-AULAL 43 91001 EUF-AULAI 11 106 Status 21000000000000000000000000000000000000	03WP	WFEC-WFEC	55802 ACME 2 69 55916 FRNKLNS2 69 1	34	55841 CANADNS2 69 55842 CANADNS4 138 1	0	Acme Jct to Acme Sub: Upgrade From 3/0 To 795MCM.	\$	857,820
OWD AEPW-GRND Status CATCORSAL 138 44/36 CATSAGRE 1012 Status CATSAGRE 101 21 Non GRDA Miligator Plan 5 OWD SUMP, SVPA-SVPA EXTA CHALLAN 138 4906 LEVALLA11 1 10 EXTA CHALLAN 138 4906 LEVALLA113 10 Replace Ediatal Transformer 5 2.00 OWD WERE-WERE 57372 PHILIP3 115 5733 WHURD 2115 17 5737 SPHILP3 115 1733 WHURDHER3 115 1 5 5872 ENCHERE 203 9873 SUMMT 2201 0 Tear down double circuit, built and reconductor with 1192.5 ACSR. 5 447 OMA WERE-WERE 57373 SPHILP3 115 5733 WHURDHER3 115 1 5 55872 ENCANDBSK 1381 5 See Previous 3 OHG WERE-WERE 55802 ACNE 28 65916 FRNILNS2 69 1 42 55841 CANADNS2 69 55842 CANADNS4 1381 0 See Previous 3 OHG WERE-WERE 5737 SPHILP3 115 16 758672 ENCHHER 20 89873 SUMMT 2201 7 Replane Ediatal SH 10 See Previous 3 OHS WERE-WERE 5737 SPHILP3 115 16 758672 ENCHHER 20 89877 SUMMT 201 7 Replane 11 3 miles 01 0 See Previous 3 OHS VERE-WERE	03WP	WFEC-WFEC	55802 ACME 2 69 56095 WNORMAN2 69 1	38	55841 CANADNS2 69 55842 CANADNS4 138 1	0	Acme Sub > West Norman: Upgrade from 3/0 to 795 ACSR	\$	525,000
OWN SWPA-SWPA S2724 CUMAULA 113 105 S2725 CORE 511 136 Replace Eduata Transformer \$ 2.0 OWN VERE-WERE 5732 PUHLP3 115 1573 SPHULP3 115 1573 SPHULP3 115 1573 SPHULP3 115 734 SPHULP3 115 7349 SPHULP3 115 7349 SPHULP3 115 7349 SPHULP3 115 734 SPHULP3 115 734 SPHULP3 115 736 SPHULP3 115 730 SPHULP3 115 SPHULP3	03WP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 1	150	53802 CATOOSA4 138 54438 CATSAGR5 161 2	118	None - GRDA Mitigation Plan	\$	
OWN WERE-WERE S7322 PHULPS 115 5734 SPHULP 3115 7734 WPUEPE 3115 1 192 56872 ENCPHERE 202 SB873 SUMMT 2 201 0 Rebuild 0.88 miles and reconductor with 1192 A CSR. \$ 7.67 OMP WERE-WERE 55802 ACME 26 80516 FRNKLNS2 001 1 4 55841 CANADNS2 86 55942 CANADNS1 3181 0 Text down duals rank unit 1192 A CSR. \$ OAG WERE-WERE 55802 ACME 26 85916 FRNKLNS2 001 3 55841 CANADNS2 86 55942 CANADNS1 1381 0 See Previous \$ OAG WERE-WERE 55802 ACME 26 85916 FRNKLNS2 001 1 558241 CANADNS2 86 55942 CANADNS4 1381 0 See Previous \$ OAG WERE-WERE 5737 SIMMT 2 201 16 Stapt See Previous \$ \$ OAGS WERE-WERE 558241 CANADNS2 68 55942 CANADNS2 613 59447 CANADNS2 65 59424 CANADNS2 613 59424 CANADNS2 613 59424 CANADNS2 615 59441 594 CANADNS2 615 59424 CANADNS2 615 5944 CANADNS2 615 59441 CANADNS2 615 5944 CANADNS2 615 5944 CANADNS2 615 5	03WP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 2	150	53802 CATOOSA4 138 54438 CATSAGR5 161 1	92	None - GRDA Mitigation Plan	\$	
OWN WERE-WERE S7374 SPHLIP 31 15 5743 SPMLIP 31 15 5743	03WP	SWPA-SWPA	52774 EUFAULA4 138 *B051 EUFAULA1 1 1	105	52752 GORE 5 161 52790 WELEETK5 161 1	186	Replace Eufaula Transformer	\$	2,000,000
OpeAP WFEC-WFEC 55802 ACME 2 08 5016 FRNKLNS2 09 1 34 66841 CANADNS2 08 55842 CANADNS1 138 1 0 See Previous \$ Odd WFEC-WFEC 55802 ACME 2 08 5506 FRNKLNS2 09 1 34 65841 CANADNS2 08 55842 CANADNS1 138 1 0 See Previous \$ Odd WFEC-WFEC 55802 ACME 2 08 5506 FRNKLNS2 09 1 10 55802 ACME 2 08 5506 FRNKLNS2 09 1 10 See Previous \$ Odd WFEC-WFEC 55802 ACME 2 08 5506 WINORMA2051 36 68872 SUMMERT 6 230 1 6 See Previous \$ OMSD WFEC-WFEC 55802 ACME 2 08 5008 WINORMA2051 36 65842 CANADNS2 08 55842 CANADNS4 138 1 0 OKGE Planned Upgrade for 2002. Possible expediting of in-service date. 0459 WFEC-WFEC 55802 ACME 2 08 5008 CATOOSA 138 54438 CATSAR05 101 1 10 58082 CATOOSA 138 54438 CATSAR05 101 2 0 NonGRDA Miggation Plan \$ 0459 AEPW-GRD 3802 CATOOSA 138 54438 CATSAR05 101 1 55800 CATOOSA 138 54438 CATSAR05 101 2 0 NonGRDA Miggation Plan \$ 0459 AEPW-ARRD 3802 CATOOSA 138 54438 CATSAR05 101 2 05300 CATOOSA138 54438 CATSAR05 101 2 0	03WP	WERE-WERE	57372 PHILIPS3 115 57374 SPHILPJ3 115 1	159	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	Rebuild 0.88 miles and reconductor with 1192.5 ACSR.	\$	417,200
OAAP WFEC-WFEC Seed ACME 2 88 5641 CANADNS2 68 5542 CANADNS4 131 166 See Previous \$ 04G WFEC-WFEC SE032 CAME 2 80 5542 CANADNS4 131 0 See Previous \$ 04G SZ774 EUFALLA113 T0053 EUFALLA11 10 See Previous \$ 04G WEE-WFEC 55802 ACME 2 80 5005 WINORMAN2 091 3 55841 CANADNS2 05 50342 SUMMT 6 201 6 See Previous \$ 04SP VEEC-WFEC 55802 ACME 2 80 5005 WINORMAN2 091 36 55841 CANADNS2 05 55342 BLUEBEL 4181 0 OKCE Previous \$ 04SP VEEC-WFEC 55802 ACME 2 80 5000 WINORMAN2 091 36 55841 CANADNS2 06 55342 BLUEBEL 4181 0 None OKCE Previous \$ 191 04SP VEEC-WFEC 5800 ACME 5800 CATOOSA1 13 84438 CATSACR5 161 2 10 S800 CATOOSA1 13 84438 CATSACR5 161 2 0 None<-GRDA Mitigginon Plan	03WP	WERE-WERE	57374 SPHILPJ3 115 57438 WMCPHER3 115 1	67	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	Tear down double circuit, build single circuit with 1192.5 ACSR.	\$	7,800,000
Ords WFEC-WFEC Same Devicus	04AP	WFEC-WFEC	55802 ACME 2 69 55916 FRNKLNS2 69 1	34	55841 CANADNS2 69 55842 CANADNS4 138 1	0	See Previous	\$	_
OHG SWPA-SWPA Sarzt EUFALLAH 11 105 Sarzt SUBME Sarzt	04AP	WFEC-WFEC	55802 ACME 2 69 56095 WNORMAN2 69 1	38	55841 CANADNS2 69 55842 CANADNS4 138 1	56	See Previous	\$	_
DefG SWPA-SWPA S2774 CURRE S2774 S287 TIBE S280 S277 S280 S280 S280 S280 <	04G	WFEC-WFEC	55802 ACME 2 69 55916 FRNKLNS2 69 1	34	55841 CANADNS2 69 55842 CANADNS4 138 1	0	See Previous	\$	
Dasp WFEC-WFEC Seed Previous	04G	SWPA-SWPA		105	52752 GORE 5 161 52790 WELEETK5 161 1	0	See Previous	\$	_
DASP CKGE-OKGE 55237 TIBEENS2 69 55246 BEELINE2 891 66 55241 BLUEBEL2 69 55224 BLUEBEL4 138 0 OKGE Planned Uggrade for 2008. Possible expediing of in-service data. 04SP SWPS-SWPS 51014 OSAGE-3115 51080 CANVNE3 115 99 50933 BUSHLNDE 230 51111 DESMTH6 230 1 77 Rebuild 13 miles of 115 KV circuit with 397 ACSR on T-0-102 structures. \$ 1,91 04SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 10 None - GRDA Mitigation Plan \$ 04SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 10 None - GRDA Mitigation Plan \$ 04SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 10 None - GRDA Mitigation Plan \$ 04SP AEW-AEPW 5404 fBC.HEN4 138 1 16 55869 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 2 2 0 None - GRDA Mitigation Plan \$ 2 2 0 None - GRDA Mitigation Plan	04G	WERE-WERE	57374 SPHILPJ3 115 57438 WMCPHER3 115 1	67	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	6	See Previous	\$	_
DaSP SWPS_SWPS E1014 OSAGE=3115 51080 CANYNE3115.1 99 50900 BUSHLNDG 230 STATH JO FSMTH6 2301 77 Rebuild 13 miles of 115 kV circuit with 397 ACSR on T-0-102 structures. \$1,91 04SP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 100 None - GRDA Mitigation Plan \$ 04SP AEPW-AEPW 5402 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04SP OKGE-WEEC 54946 MIDWEST4 138 5407 ERNLNS41 381 1 10 Feptace Structures \$ Convert FL Smith 161 kV circuit with 397 ACSR on T-0-102 structures. \$ 7,00 04SP OKGE-OKGE 55300 FTSMITH5 161 55306 TTSMITH5 161 55305 TTSMITH5 161 55302 TTSMITH5 161 55202 TTSMITH5 161 55202 TTSMITH5 161 55202 TTSMITH5 161 55204 TAREY 5 161 1 0 Convert FL Smith 161 kV 1-1/2 breakt design and install 2nd 500-161 kV \$ 7,00 04SP OKGE-OKGE 54941 HSL 4 138 54973 RENO 4 138 1 28 5262 ATS 216 TSSMITH5 161 55302 TTSMITH5 161 55302 TTSMITH5 161 55302 TTSMITH5 161 55302 TTSMITH5 161 5500 STSMITH5 161 5500 STSMITH5 161 5500 TTSMITH5 161 55	04SP	WFEC-WFEC	55802 ACME 2 69 56095 WNORMAN2 69 1	38	55841 CANADNS2 69 55842 CANADNS4 138 1	0	See Previous	\$	_
D4SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 1611 10 None - GRDA Mitigation Plan \$ 04SP AEPW-GRD 53802 CATOOSA4 138 54438 CATSAGR5 1612 10 53802 CATOOSA4 138 54438 CATSAGR5 1612 0 None - GRDA Mitigation Plan \$ 04SP AEPW-AEPW 54023 CATOOSA4 138 54438 CATSAGR5 1612 10 Replace Okmulged Wavetrap \$ 4 04SP AEW-AEPW 54023 CMMULGE4 138 54049 EC,HEN-4 138 1 16 55860 CROMWEL4 138 56864 WETUMKA4 138 1 0 Replace 800 anp wavetrap with 2000 anp wavetrap at Franklin Switch and 55860 CROMWEL4 138 56864 WETUMKA4 138 1 0 Convert FL Smith 161kv to 1-1/2 breaker design and instal 2nd 500-161kV transformer bank. \$ 7,000 04SP OKGE-OKGE 55300 FTSMITH5 161 55305 FTSMITH 5001 475 55300 FTSMITH7 3451 0 Replace 8witches & Cts at Horseshoe Lake in 2004 at OKGE express. \$ 7,000 04SP AEEW-AEPW 5312 CATOOSA4 138 54986 CATONA4 138 5178 FOWN 4 138 1 0 Replace 8witches & Cts 3448 5438 CATSAGR5 1611 0 Solution Undetermined \$ 7,000 04SP VEEE-OKGE 55404 FLASK 78 RENO 4 138 1 95 52802 S BROWN 4138 5578 FOWN 4 1	04SP	OKGE-OKGE	55237 TIBBENS2 69 55246 BEELINE2 69 1	66	55241 BLUEBEL2 69 55242 BLUEBEL4 138 1	0	OKGE Planned Upgrade for 2008. Possible expediting of in-service date.		N/A
D4SP AEPW-GRD G3802 CATOOSA4 138 54438 CATSAGR5 161 2 10 None - GRD A Miligation Plan \$ D4SP AEPW-AEPW 54023 OKMULGE4 138 54049 EC. HEN-4 138 1 105 54017 HENRYET 138 54057 KELCO 4 138 1 0 Replace 0kmulge Wavetrap \$ A 044P OKGE-WFEC 54946 MIDWEST 4 138 55017 FRNKLNS4 138 1 106 55800 FTSMITH6 161 55302 FTSMITH6 201 1 Convert FL, Smith 161kv to 1-1/2 breaker design and insull 2/4 5004 30 KG 2/4 40 KG 2/4 KG 2	04SP	SWPS-SWPS	51014 OSAGE3 115 51080 CANYNE3 115 1	99	50993 BUSHLND6 230 51111 DFSMTH6 230 1	77	Rebuild 13 miles of 115 kV circuit with 397 ACSR on T-0-102 structures.	\$	1,910,000
04SP AEPW-AEPW 54023 OKMULGE4 138 105 54017 HENYET 138 54017 Replace 000 arm wavetrap with 2000 arm wavetrap at Franklin Switch and 785ACSR jumpes with 1590ACSR jumpes jumpe	04SP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 1	150	53802 CATOOSA4 138 54438 CATSAGR5 161 2	0	None - GRDA Mitigation Plan	\$	-
OKGE-WFEC Status Stat	04SP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 2	150	53802 CATOOSA4 138 54438 CATSAGR5 161 1	0	None - GRDA Mitigation Plan	\$	
OKGE-WFEC 54946 MIDWEST4 138 55917 FRNKLINS4 138 1 186 55869 CROMWEL4 138 56084 WETUMKA4 138 1 0 Replace 800 amp wavetrap with 1590ACSR, connectors \$ 2 045P OKGE-OKGE 55300 FTSMITH5 161 55305 FTSMITH5 500 1 475 55300 FTSMITH5 161 55305 FTSMITH5 500 1 \$ 5 Convert FL. Smith f81k to 11/2 Dreaker design and install 2nd 500-161kV \$ 7.00 045P OKGE-OKGE 55300 FTSMITH5 161 55305 FTSMITH5 500 1 475 55300 FTSMITH5 161 55302 FTSMITH7 345 1 0 Replace switches & cit's at Horseshoe Lake in 2004 at OKGE expense. \$ 045P OKGE-OKGE 55300 FTSMITH5 161 55302 FTSMITH5 161 55302 FTSMITH5 101 0 Replace switches & cit's at Horseshoe Lake in 2004 at OKGE expense. \$ 045P AEEPW-AEPW 53142 HUNTING2 69 53202 MIDLREA2 691 36 55262 AES 5 161 55264 TARBY 5 161 1 0 new transformer bay and a new 25 MVA 138 124 V transformer. \$ 1.40 04FA WERE-WERE 57604 WEAVER 2 69 57837 RH JCT 2 691 43 53758 BAID-4 4138 138 5378 BOWN 4 138 15 1 160 Dew transformer bay and a new 25 MVA 138 124 V transformer. \$ 1.40 04FA WERE-WERE 57368 EXIDE J3 115 57381 SUMMIT 3 115 1 96	04SP	AEPW-AEPW	54023 OKMULGE4 138 54049 EC.HEN-4 138 1	105	54017 HENRYET4 138 54057 KELCO 4 138 1	0	Replace Okmulaee Wavetrap	\$	40,000
04SP OKGE-OKGE 55300 FTSMITH 5161 55305 FTSMITH 501 475 55300 FTSMITH 5161 55305 FTSMITH 501 475 55300 FTSMITH 5161 55305 FTSMITH 501 87.0C 04SP OKGE-OKGE 54941 HSL 4138 54973 RENO 4138 1 287 54941 HSL 4138 54966 MIDWAY 4138 1 0 Replace switches & ct's at Horseshoe Lake in 2004 at OKGE expense. \$ 04SP AEPW-AEPW 57604 WEAVER 2 69 53302 MIDREA2 691 36 55262 AES 5161 55264 TARBY 5161 1 0 Solution Undetermined Move Rose Hill Jdt. 69 kV load to Rose Hill 345/138 kV substation. Requires new transformer bay and a new 25 MVA 138-512 kV transformer. 1.40 04FA SWPA-WFEC 52802 S BROWNA 138 5042 ATOOSA41 381 234 53758 BA814 138 53781 BA101-N4 138 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04FA WERE-WERE 57386 EXIDE J3 115 57372 PHILIPS3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 04FA WERE-WERE 57374 SPHILIPJ3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHI	04SP	OKGE-WFEC	54946 MIDWEST4 138 55917 FRNKLNS4 138 1	186	55869 CROMWEL4 138 56084 WETUMKA4 138 1	0		\$	24,000
O4SP AEPW-AEPW 53142 HUNTING2 69 53202 MIDLREA2 69 1 36 55262 AES 5 161 55264 TARBY 5 161 1 0 Solution Undetermined 04SP WERE-WERE 57604 WEAVER 2 69 57837 RH JCT 2 69 1 43 57039 ELPASO 4 138 57042 FARBER 4 138 1 0 new transformer bay and a new 25 MVA 138 12V transformer. \$ 1,4C 04FA SWPA-WFEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 95 52802 S BROWN4 138 55157 BROWN 4 138 1 160 Solution Undetermined 04FA AEPW-AEPW 53783 ELAN ET4 138 53802 CATOOSA4 138 1 234 53758 BA814 138 53781 BA101-N4 138 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MV/A \$ 04FA WERE-WERE 57368 EXIDE J3 115 57374 SPHILP3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1,1C 04FA WERE-WERE 57372 PHILP3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 1,1C 04FA WERE-WERE 57374 SPHILP3 115 57348 WINCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 1,1C 04FA </td <td>04SP</td> <td>OKGE-OKGE</td> <td>55300 FTSMITH5 161 55305 FTSMITH8 500 1</td> <td>475</td> <td>55300 FTSMITH5 161 55302 FTSMITH7 345 1</td> <td>0</td> <td></td> <td>\$</td> <td>7,000,000</td>	04SP	OKGE-OKGE	55300 FTSMITH5 161 55305 FTSMITH8 500 1	475	55300 FTSMITH5 161 55302 FTSMITH7 345 1	0		\$	7,000,000
O4SP WERE-WERE 57604 WEAVER 2 69 57837 RH JCT 2 69 1 43 57039 ELPASO 4 138 57042 FARBER 4 138 1 0 Move Rose Hill Jct. 69 kV load to Rose Hill 345/138 kV substation. Requires new transformer bay and a new 25 MVA 138-12 kV transformer. \$ 1.40 04FA SWPA-WFEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 95 52802 S BROWN4 138 5737 BROWN 4 138 10 160 Solution Undetermined \$ 0 04FA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 0 04FA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 57374 SPHILPJ3 115 57372 PHILIPS3 115 57374 SPHILPJ3 115 57345 SWICPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1.10 04FA WERE-WERE 57372 PHILIPS3 115 57343 WMCPHER3 115 1 166 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 1.10 04FA WERE-WERE 5734 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 3 04FA WERE-WERE 5734 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMI	04SP	OKGE-OKGE	54941 HSL 4 138 54973 RENO 4 138 1	287	54941 HSL 4 138 54966 MIDWAY 4 138 1	0	Replace switches & ct's at Horseshoe Lake in 2004 at OKGE expense.	\$	_
OdsP WERE-WERE 57604 WEAVER2 29 57837 RH JCT 2 691 43 57039 ELPASO 4 138 57042 FARBER 4 138 1 0 new transformer bay and a new 25 MVA 138-12 kV transformer. \$ 1,40 OdFA SWPA-WFEC 52802 S BROWN4 138 5014 RUSSETT4 138 1 95 52802 S BROWN4 138 5157 BROWN 4 138 1 160 Solution Undetermined 50 OdFA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1.00 OdFA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1.00 OdFA WERE-WERE 57368 EXIDE J3 115 57381 SUMMIT 3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1.00 OdFA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 70 OdFA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Replace S	04SP	AEPW-AEPW	53142 HUNTING2 69 53202 MIDLREA2 69 1	36	55262 AES 5 161 55264 TARBY 5 161 1	0	Solution Undetermined		N/A
O4FA AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 1 234 53758 BA814 138 53781 BA101-N4 138 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04FA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 5 04FA WERE-WERE 57368 EXIDE J3 115 57374 SPHILPJ3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1,10 04FA WERE-WERE 57374 SPHILPJ3 115 5734 SPHILPJ3 115 1 166 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 166 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 166 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA AEPW-AEPW 53824 SHEFFD-4 138 53802 CATOA \$ 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 94 Replace Sand Springs switch 1306, 130	04SP	WERE-WERE	57604 WEAVER 2 69 57837 RH JCT 2 69 1	43	57039 ELPASO 4 138 57042 FARBER 4 138 1			\$	1,400,000
O4FA WERE-WERE 57368 EXIDE J3 115 57372 PHILIPS3 115 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 5 04FA WERE-WERE 57368 EXIDE J3 115 57373 SPHILIPJ3 115 115 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 0.34 miles with 1192 ACSR. \$ 1,10 04FA WERE-WERE 57372 SPHILPJ3 115 57348 SMMOPHER3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMOPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMOPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Replace Sand Springs switch 1306, 1307, & 1308 57	04FA	SWPA-WFEC	52802 S BROWN4 138 56044 RUSSETT4 138 1	95	52802 S BROWN4 138 55157 BROWN 4 138 1	160	Solution Undetermined	-	N/A
O4FA WERE-WERE 57368 EXIDE J3 115 57381 SUMMIT 3 115 1 196 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 Rebuild and reconductor 4.94 miles with 1192 ACSR. \$ 1,10 04FA WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA AEPW-AEPW 53824 SHEFFD-4 138 58327 S.S4 138 1 143 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 0 Replace Sand Springs switch 1306, 1307, & 1308 \$ 7 04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 55157 BROWN 4 138 1 170 Solution Undetermined \$ 04WP SWE	04FA	AEPW-AEPW	53783 LLAN ET4 138 53802 CATOOSA4 138 1	234	53758 BA814 138 53781 BA101-N4 138 1	0	Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA	\$	-
O4FA WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ O4FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ O4FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ O4FA AEPW-AEPW 53824 SHEFFD-4 138 53827 S.S4 138 1 139 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 0 Replace Sand Springs switch 1306, 1307, & 1308 7 O4FA AEPW-AEPW 53827 S.S4 138 1 143 53769 WEKIWA-4 138 53825 WED-TAP4 138 1 94 Replace Sand Springs switch 1306, 1307, & 1308 7 O4FA AEPW-AEPW 53827 S.S4 138 1 143 53769 WEKIWA-4 138 53825 WED-TAP4 138 1 94 Replace Sand Springs switch 1306, 1307, & 1308 7 O4WP SWPA-WFEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 96 52802 S BROWN4 138 5157 BROWN 4 138 1 170 Solution Undetermined 94 O4WP AEPW-GRD 53802 CATOOSA4 138 54438	04FA	WERE-WERE	57368 EXIDE J3 115 57372 PHILIPS3 115 1	196	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	Rebuild and reconductor 0.34 miles with 1192 ACSR.	\$	95,200
O4FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ O4FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ O4FA AEPW-AEPW 53824 SHEFFD-4 138 53827 S.S4 138 1 139 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 0 Replace Sand Springs switch 1306, 1307, & 1308 \$ 7 O4FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 53824 SHEFFD-4 138 1 94 Replace Sand Springs switches 1314, 1315, & 1316 \$ 7 O4FA AEPW-AEPW 53827 S.S4 138 53802 CATOOSA4 138 1 143 53769 WEKIWA-4 138 53824 SHEFFD-4 138 1 94 Replace Sand Springs switches 1314, 1315, & 1316 \$ 7 O4WP SWPA-WEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 96 52802 S BROWN4 138 5157 BROWN 4 138 1 170 Solution Undetermined \$ O4WP AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 12 234 53819 ONETA7 345 53955 N.E.S7 345 1 0 Incorrect rating in the	04FA	WERE-WERE	57368 EXIDE J3 115 57381 SUMMIT 3 115 1	196	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	Rebuild and reconductor 4.94 miles with 1192 ACSR.	\$	1,100,000
04FA WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04FA AEPW-AEPW 53824 SHEFFD-4 138 53827 S.S4 138 1 139 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 0 Replace Sand Springs switch 1306, 1307, & 1308 \$ 7 04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 94 Replace Sand Springs switch 1306, 1307, & 1308 \$ 7 04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 53824 SHEFFD-4 138 1 94 Replace Sand Springs switch 1306, 1307, & 1308 \$ 7 04WP SWPA-WFEC 52802 S BROWN4 138 55157 BROWN 4 138 1 170 Solution Undetermined \$ 04WP AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 1 234 53819 ONETA7 345 53955 N.E.S7 345 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$	04FA	WERE-WERE	57372 PHILIPS3 115 57374 SPHILPJ3 115 1	156	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	See Previous	\$	-
04FA AEPW-AEPW 53824 SHEFFD-4 138 53827 S.S4 138 1 139 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 0 Replace Sand Springs switch 1306, 1307, & 1308 \$7 04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 53835 WED-TAP4 138 1 94 Replace Sand Springs switch 1306, 1307, & 1308 \$7 04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 1 143 53769 WEKIWA-4 138 53832 KHEFFD-4 138 1 94 Replace Sand Springs switch 1316, 1315, & 1316 \$7 04WP SWPA-WFEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 96 52802 S BROWN4 138 5157 BROWN 4 138 1 170 Solution Undetermined \$7 04WP AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 1 234 53819 ONETA7 345 53955 N.E.S7 345 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 105 S2752 GORE 5 161 52790 WELEETK5 161 1 0 None - GRDA Mit	04FA	WERE-WERE	57374 SPHILPJ3 115 57438 WMCPHER3 115 1	66	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	See Previous	\$	-
04FA AEPW-AEPW 53827 S.S4 138 53835 WED-TAP4 138 143 53769 WEKIWA-4 138 53824 SHEFED-4 138 138 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 8 1315 1315 8 1315	04FA	WERE-WERE	57374 SPHILPJ3 115 57438 WMCPHER3 115 2	90	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	See Previous	\$	-
04WP SWPA-WFEC 52802 S BROWN4 138 56044 RUSSETT4 138 1 96 52802 S BROWN4 138 55157 BROWN 4 138 1 170 Solution Undetermined 04WP AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 1 234 53819 ONETA7 345 53955 N.E.S7 345 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP SWPA-SWPA 52774 EUFAULA4 138 *B051 EUFAULA1 1 105 52752 GORE 5 161 52790 WELEETK5 161 1 0 None - GRDA Mitigation Plan \$ 04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE	04FA	AEPW-AEPW	53824 SHEFFD-4 138 53827 S.S4 138 1	139	53769 WEKIWA-4 138 53835 WED-TAP4 138 1	0	Replace Sand Springs switch 1306, 1307, & 1308	\$	75,000
04WP AEPW-AEPW 53783 LLAN ET4 138 53802 CATOOSA4 138 1 234 53819 ONETA7 345 53955 N.E.S7 345 1 0 Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP SWPA-SWPA 52774 EUFAULA4 138 *B051 EUFAULA1 1 105 52752 GORE 5 161 52790 WELEETK5 161 1 0 See Previous \$ 04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE	04FA	AEPW-AEPW	53827 S.S4 138 53835 WED-TAP4 138 1	143	53769 WEKIWA-4 138 53824 SHEFFD-4 138 1	94	Replace Sand Springs switches 1314, 1315, & 1316	\$	75,000
04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 1 150 53802 CATOOSA4 138 54438 CATSAGR5 161 2 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP SWPA-SWPA 52774 EUFAULA4 138 *B051 EUFAULA1 1 105 52752 GORE 5 161 52790 WELEETK5 161 1 0 See Previous \$ 04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2<	04WP	SWPA-WFEC	52802 S BROWN4 138 56044 RUSSETT4 138 1	96	52802 S BROWN4 138 55157 BROWN 4 138 1	170	Solution Undetermined		N/A
O4WP AEPW-GRRD 53802 CATOOSA4 138 54438 CATSAGR5 161 2 150 53802 CATOOSA4 138 54438 CATSAGR5 161 1 0 None - GRDA Mitigation Plan \$ 04WP SWPA-SWPA 52774 EUFAULA4 138 *B051 EUFAULA11 1 105 52752 GORE 5 161 52790 WELEETK5 161 1 0 See Previous \$ 04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 MMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 MMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 MMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ </td <td>04WP</td> <td></td> <td></td> <td>234</td> <td>53819 ONETA7 345 53955 N.E.S7 345 1</td> <td>0</td> <td>Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA</td> <td>\$</td> <td></td>	04WP			234	53819 ONETA7 345 53955 N.E.S7 345 1	0	Incorrect rating in the non-summer cases. Rate A/B = 237/265MVA	\$	
04WP SWPA-SWPA 52774 EUFAULA4 138 *B051 EUFAULA1 1 105 52752 GORE 5 161 52790 WELEETK5 161 1 0 See Previous \$ 04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$	04WP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 1	150	53802 CATOOSA4 138 54438 CATSAGR5 161 2	0	None - GRDA Mitigation Plan	\$	
04WP WERE-WERE 57372 PHILIPS3 115 57374 SPHILPJ3 115 1 156 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$	04WP	AEPW-GRRD	53802 CATOOSA4 138 54438 CATSAGR5 161 2	150	53802 CATOOSA4 138 54438 CATSAGR5 161 1	0	None - GRDA Mitigation Plan	\$	
04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 1 66 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$ 04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$	04WP	SWPA-SWPA	52774 EUFAULA4 138 *B051 EUFAULA1 1 1	105	52752 GORE 5 161 52790 WELEETK5 161 1	0	See Previous	\$	
04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$	04WP	WERE-WERE	57372 PHILIPS3 115 57374 SPHILPJ3 115 1	156	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	See Previous	\$	
04WP WERE-WERE 57374 SPHILPJ3 115 57438 WMCPHER3 115 2 90 56872 EMCPHER6 230 56873 SUMMIT 6 230 1 0 See Previous \$	04WP	WERE-WERE	57374 SPHILPJ3 115 57438 WMCPHER3 115 1	66	56872 EMCPHER6 230 56873 SUMMIT 6 230 1	0	See Previous	\$	-
				90		0		\$	
				96		180	Solution Undetermined		N/A
Total Estimated Cost \$ 23,31							Total Estimated Cost	\$ 2	23,319,220