

## DEC BASE Reliability Needs Results

Season	Case Name	Contingency	From Bus	Name	To Bus	Name	Circuit	Contingency Rating (MVA)	Contingency Flow (MVA)	Final AC % Loading	Major Component Limited
34s	STUDY	CENT230HT1	306004	6CENTRAL 230.00	309406	1CENTRL 2 1.0000	2	277	302.7	109.3	Yes
29s	STUDY	CENT230HT1	306004	6CENTRAL 230.00	309406	1CENTRL 2 1.0000	2	277	286	103.3	Yes
34s	LECCGM	REFUGE	306017	CENTRAL 100.00	308722	SSPRGSTB 100.00	1	215	206.7	96.8	Yes
34s	STUDYLE78GC	LEESREDYRV_W#	306041	LEE 100.00	308492	PERRYT B 100.00	1	270	294.9	110.3	No
29s	STUDY	LEESREDYRV_W#_NOGEN	306041	LEE 100.00	308492	PERRYT B 100.00	1	270	273.5	101.5	No
29s	STUDY	LEESREDYRV_W#_NOGEN	306041	LEE 100.00	308622	LEE CC 100.00	1	519	801.7	148.4	No
2930w	STUDY	LEESREDYRV_W#_NOGEN	306041	LEE 100.00	308622	LEE CC 100.00	1	519	795.3	147.1	No
34s	DRCCGM	SADLER3	306058	6SADLERY 230.00	309458	1SADLE 4 1.0000	4	534	553.4	103.6	Yes
29s	DRCCGM	SADLER3	306058	6SADLERY 230.00	309458	1SADLE 4 1.0000	4	534	548.5	102.7	Yes
34s	STUDYASH3VRS	WESTMINW-CE_P21	306062	SENCA TB 100.00	306078	DUK 306078 100.00	1	152	201.7	142.6	Yes
29s	STUDYASH7VRS	WESTMINW-CE_P21	306062	SENCA TB 100.00	306078	DUK 306078 100.00	1	152	183.2	125.2	Yes
3435w	STUDYASH7VRS	WESTMINW-CE_P21	306062	SENCA TB 100.00	306078	DUK 306078 100.00	1	181	208.1	121.7	Yes
2930w	STUDYASH7VRS	WESTMINW-CE_P21	306062	SENCA TB 100.00	306078	DUK 306078 100.00	1	181	191.4	108.6	Yes
34s	STUDYASH7VRS	WESTMINB-CE_P21	306063	SENCA TW 100.00	306081	BLREC26 100.00	1	218	217.4	103.5	No
34s	LECCGM	AB_SHADBK2_L	306066	TOXAWAY 100.00	307617	LAUEC41 100.00	2	96	94.6	96.3	Yes
34s	STUDYASH7VRS	WESTMINB-CE_P21	306071	WESTMNS+ 100.00	306081	BLREC26 100.00	1	152	159.7	111.8	Yes
29s	STUDYASH7VRS	WESTMINB-CE_P21	306071	WESTMNS+ 100.00	306081	BLREC26 100.00	1	152	152.8	101.7	Yes
3435w	STUDYASH7VRS	WESTMINB-CE_P21	306071	WESTMNS+ 100.00	306081	BLREC26 100.00	1	181	173	98	Yes
34s	STUDYASH4VRS	WESTMINW-CE_P21	306071	WESTMNS+ 100.00	309747	BREC35 100.00	1	152	171.1	125.7	Yes
29s	STUDYASH7VRS	WESTMINW-CE_P21	306071	WESTMNS+ 100.00	309747	BREC35 100.00	1	152	156.4	110	Yes
3435w	STUDYASH7VRS	WESTMINW-CE_P21	306071	WESTMNS+ 100.00	309747	BREC35 100.00	1	181	179.1	108.5	Yes
2930w	STUDYASH7VRS	WESTMINW-CE_P21	306071	WESTMNS+ 100.00	309747	BREC35 100.00	1	181	165.7	96.5	Yes
34s	STUDYASH4VRS	WESTMINW-CE_P21	306078	DUK 306078 100.00	309747	BREC35 100.00	1	152	191.7	139.9	Yes
29s	STUDYASH7VRS	WESTMINW-CE_P21	306078	DUK 306078 100.00	309747	BREC35 100.00	1	152	175.3	122.7	Yes
3435w	STUDYASH7VRS	WESTMINW-CE_P21	306078	DUK 306078 100.00	309747	BREC35 100.00	1	181	199.6	120.2	Yes
2930w	STUDYASH7VRS	WESTMINW-CE_P21	306078	DUK 306078 100.00	309747	BREC35 100.00	1	181	184.8	107.1	Yes
34s	STUDY	PEACHVY_RB	306096	DUK 306096 100.00	308812	BOILTAPW 100.00	1	129	124.4	96.9	Yes
34s	STUDYMAY1VRS	PERRYB-LEE_P21	306103	DUK 306103 100.00	308762	DUK 308762 100.00	1	120	119.1	99.1	No
3435w	THALGM	SHULERB	306106	6JOCASSE 230.00	308489	6TUCKASE 230.00	2	386	383.9	98.1	No

## DEC BASE Reliability Needs Results

3435w	THALGM	SHULERW	306106	6JOCASSE 230.00	308489	6TUCKASE 230.00	1	386	383.9	98.1	No
3435w	STUDY	HORSESHOE_RB	306120	ASHVL HW 100.00	306163	HNDRSNVL 100.00	1	150	129.7	107.3	No
2930w	STUDY	HORSHORUGB_B	306120	ASHVL HW 100.00	306163	HNDRSNVL 100.00	1	150	121	95.7	No
3435w	STUDY	CAMP HARLYBL	306132	CAMPOBEL 100.00	306163	HNDRSNVL 100.00	1	87	86.8	110.3	No
2930w	STUDY	CAMP HARLYBL	306132	CAMPOBEL 100.00	306163	HNDRSNVL 100.00	1	87	76.6	95.2	No
3435w	STUDYASH5VRS	HARLEYB-TIG_P21	306132	CAMPOBEL 100.00	306198	TIGER 100.00	1	132	132.6	104.4	Yes
2930w	STUDYASH5VRS	HARLEYB-TIG_P21	306132	CAMPOBEL 100.00	306198	TIGER 100.00	1	132	129.9	101.2	Yes
3435w	STUDY	HORSESHOE_RB	306132	CAMPOBEL 100.00	307053	BREC32 100.00	2	87	89.1	110.6	No
2930w	STUDY	HORSHORUGB_B	306132	CAMPOBEL 100.00	307053	BREC32 100.00	2	87	79.9	96.9	No
2930w	STUDYASH7VRS	DAVIDRIVW	306135	DANIEL 100.00	306182	N GRNVLE 100.00	1	151	153.3	99.5	Yes
2930w	STUDYASH7VRS	CAESARW-PI_P21	306135	DANIEL 100.00	306220	BLREC25 100.00	1	117	126.6	108.2	No
34s	STUDY	TIGER_LT6R	306138	E GRNVLE 100.00	306161	HIGHTOWR 100.00	1	132	125.1	95	Yes
3435w	STUDY	PACOLET_LT2R	306160	LAUEC39 100.00	306310	WOODRUFF 100.00	1	103	103.4	114.4	No
2930w	STUDY	PACOLET_LT2R	306160	LAUEC39 100.00	306310	WOODRUFF 100.00	1	103	98.2	106.2	No
3435w	STUDY	HORSESHOE_RB	306163	HNDRSNVL 100.00	307053	BREC32 100.00	2	87	79.7	107.6	No
34s	STUDY	SHADYLEE_RB	306183	OAKVALE 100.00	306195	SHADY GR 100.00	2	270	289.3	107.1	No
34s	CAT1GM	OAKVALEW	306183	OAKVALE 100.00	306195	SHADY GR 100.00	1	270	290.3	106.4	No
29s	STUDY	SHADYLEE_RB	306183	OAKVALE 100.00	306195	SHADY GR 100.00	2	270	274.6	100.6	No
29s	CLI5GM	OAKVALEW	306183	OAKVALE 100.00	306195	SHADY GR 100.00	1	270	269.2	97.8	No
3435w	STUDY	HORSESHOE_RB	306190	PISGAH 100.00	308711	BLANTYRERET 100.00	2	166	160.3	102	Yes
34s	LECCGM	TAYLORSW	306198	TIGER 100.00	306211	DUK 306211 100.00	1	132	128.9	96.7	Yes
34s	LECCGM	TAYLORSB	306198	TIGER 100.00	306212	DUK 306212 100.00	1	132	160	120.5	Yes
29s	LECCGM	TAYLORSB	306198	TIGER 100.00	306212	DUK 306212 100.00	1	132	153.9	114.5	Yes
3435w	STUDY	TGR TAYLORS_W	306198	TIGER 100.00	308709	NEWCUTRET 100.00	2	132	140	107.4	Yes
2930w	STUDYASH5VRS	HARLEYW_P21	306198	TIGER 100.00	308709	NEWCUTRET 100.00	2	132	135.4	103.6	Yes
34s	LECCGM	TIGER5	306226	BRDRVR16 100.00	306245	CLIFSID 100.00	1	58	56	97	Yes
29s	LECCGM	TIGER5	306226	BRDRVR16 100.00	306245	CLIFSID 100.00	1	58	57.1	95.2	Yes
29s	OCO1GM	LONDONCREEKW	306236	6PEACH V 230.00	309165	6LDNCKB_RTR 230.00	Z1	422	552.1	131.5	Yes
34s	LECCGM	LONDONCREEKW	306236	6PEACH V 230.00	309165	6LDNCKB_RTR 230.00	Z1	422	532.7	128.3	Yes
3435w	LECCGM	LONDONCREEKW	306236	6PEACH V 230.00	309165	6LDNCKB_RTR 230.00	Z1	531	586.6	111.8	Yes
29s	OCO1GM	LONDONCREEKB	306236	6PEACH V 230.00	309166	6LDNCKW_RTR 230.00	Z2	422	552.1	131.5	Yes

## DEC BASE Reliability Needs Results

34s	LECCGM	LONDONCREEKB	306236	6PEACH V 230.00	309166	6LDNCKW_RTR 230.00	Z2	422	532.7	128.3	Yes
3435w	LECCGM	LONDONCREEKB	306236	6PEACH V 230.00	309166	6LDNCKW_RTR 230.00	Z2	531	586.6	111.8	Yes
34s	LECCGM	LNDNCRKW_RCTR	306244	CHESNEE 100.00	306297	SPARTN T 100.00	1	65	64.8	99.3	Yes
29s	LECCGM	LNDNCRKW_RCTR	306244	CHESNEE 100.00	306297	SPARTN T 100.00	1	65	63.4	96.6	Yes
3435w	STUDY	CLFSD5DNCN_B_FS	306245	CLIFSID 100.00	306291	PINKTPFV 100.00	1	166	169.3	99	Yes
34s	STUDY	DEPP321AC	306245	CLIFSID 100.00	306313	DUK 306313 100.00	1	58	64.6	107.7	Yes
29s	STUDYLECCGC	BASE CASE	306245	CLIFSID 100.00	306313	DUK 306313 100.00	1	58	60.2	100.4	Yes
34s	STUDY	LAURENCLN_B_CS#_RMVC	306247	CLINTON TW 100.00	307942	CLINTON 100.00	Z1	41.6	39.7	95.6	No
34s	STUDY	CLFSD5_YB	306252	ENOLA RT 100.00	309168	MAYO T 100.00	1	65	74.9	123.1	Yes
29s	STUDYASH7VRS	CHEROKEW-CLI_P21	306252	ENOLA RT 100.00	309168	MAYO T 100.00	1	65	74.8	122.1	Yes
3435w	STUDY	CLFSD5DNCN_B_FS	306253	FAIRVIEW 100.00	306291	PINKTPFV 100.00	1	166	167.8	99	Yes
29s	OCO1GM	LONDONCREEKW	306265	6RIVERVW 230.00	309165	6LDNCKB_RTR 230.00	1	422	552.1	131.5	Yes
34s	LECCGM	LONDONCREEKW	306265	6RIVERVW 230.00	309165	6LDNCKB_RTR 230.00	1	422	532.7	128.3	Yes
3435w	LECCGM	LONDONCREEKW	306265	6RIVERVW 230.00	309165	6LDNCKB_RTR 230.00	1	531	586.6	111.8	Yes
29s	OCO1GM	LONDONCREEKB	306265	6RIVERVW 230.00	309166	6LDNCKW_RTR 230.00	2	422	552.1	131.5	Yes
34s	LECCGM	LONDONCREEKB	306265	6RIVERVW 230.00	309166	6LDNCKW_RTR 230.00	2	422	532.7	128.3	Yes
3435w	LECCGM	LONDONCREEKB	306265	6RIVERVW 230.00	309166	6LDNCKW_RTR 230.00	2	531	586.6	111.8	Yes
3435w	STUDY	PACOLET_LT2R	306266	LAUEC26 100.00	306286	PACOLET 100.00	1	117	124.9	114	No
34s	PBPVGM	GLENSPB	306266	LAUEC26 100.00	306286	PACOLET 100.00	1	93	102.9	113.8	No
29s	PBPVGM	GLENSPB	306266	LAUEC26 100.00	306286	PACOLET 100.00	1	93	96.9	106.1	No
2930w	STUDY	PACOLET_LT2R	306266	LAUEC26 100.00	306286	PACOLET 100.00	1	117	117.4	105.6	No
34s	STUDY	PEACHVY_YB	306269	LAWSONFK 100.00	306287	PEACH VY 100.00	1	166	187.5	112.9	No
34s	STUDY	PEACHVY_RB	306269	LAWSONFK 100.00	306287	PEACH VY 100.00	2	166	181.9	110.2	No
29s	STUDY	PEACHVY_YB	306269	LAWSONFK 100.00	306287	PEACH VY 100.00	1	166	175.3	104.8	No
29s	STUDY	PEACHVY_RB	306269	LAWSONFK 100.00	306287	PEACH VY 100.00	2	166	168.5	101.4	No
29s	LECCGM	PINEWOODW	306269	LAWSONFK 100.00	306290	PINEWOOD B 100.00	1	132	164.2	124.1	Yes
29s	LECCGM	PINEWOODB	306269	LAWSONFK 100.00	309601	BMONT T 100.00	1	132	164	124	Yes
3435w	STUDYASH7VRS	GLENSPW-PAC_P21	306286	PACOLET 100.00	308478	LAUEC36 100.00	1	117	121.5	112	No
34s	PBPVGM	GLENSPW	306286	PACOLET 100.00	308478	LAUEC36 100.00	1	93	95.7	107.4	No
2930w	STUDYASH7VRS	GLENSPW-PAC_P21	306286	PACOLET 100.00	308478	LAUEC36 100.00	1	117	114.9	104.7	No
29s	PBPVGM	GLENSPW	306286	PACOLET 100.00	308478	LAUEC36 100.00	1	93	90.4	100.4	No

## DEC BASE Reliability Needs Results

3435w	STUDY	PCHVYFRNWD_W	306287	PEACH VY 100.00	306320	BOIL TAP 100.00	Z1	166	158.7	95.3	No
3435w	CLI5GM	BREC	306287	PEACH VY 100.00	308703	DUK 308703 100.00	1	124	119.2	96.1	No
2930w	STUDY	BRB2	306287	PEACH VY 100.00	308703	DUK 308703 100.00	1	124	118.7	95.7	No
3435w	STUDY	PCHVYFRNWD_B	306287	PEACH VY 100.00	308812	BOILTAPW 100.00	Z1	166	159.7	96.6	No
29s	STUDYVCS1VRS	PINEWW-LF_P21	306290	PINEWOOD B 100.00	308808	UNA B 100.00	1	132	132.9	100.1	Yes
34s	LECCGM	LNDNCRKW_RCTR	306297	SPARTN T 100.00	307308	DUK 307308 100.00	1	65	65.1	99.2	Yes
29s	LECCGM	LNDNCRKW_RCTR	306297	SPARTN T 100.00	307308	DUK 307308 100.00	1	65	63.7	96.6	Yes
3435w	STUDY	PACOLET_LT2Y	306310	WOODRUFF 100.00	308478	LAUEC36 100.00	1	103	111.3	120.9	No
2930w	STUDYASH7VRS	GLENSPW-PAC_P21	306310	WOODRUFF 100.00	308478	LAUEC36 100.00	1	103	105.5	113	No
34s	MCG1GM	DEPP106	306333	6NEWPORT 230.00	306541	6MORN ST 230.00	1	421	405.8	96.1	Yes
2930w	STUDY	SHLB230HT4	306336	6SHELBY 230.00	309462	1SHELBY 3 1.0000	3	300	313.4	104.5	Yes
29s	STUDY	SHLB230Y	306336	6SHELBY 230.00	309462	1SHELBY 3 1.0000	3	297	286.7	96.5	Yes
34s	CAT1GM	NEWPORT_UGBL	306375	GT FALL1 100.00	309837	RANGERLN 100.00	2	116	137.8	115.5	Yes
34s	STUDY	SHELBY_YB	306377	HILLTOP 100.00	308545	DUK 308545 100.00	1	211	208.4	99	Yes
34s	ABPVGM	WHETSTONB_CS	306377	HILLTOP 100.00	309377	DUK 309377 100.00	2	117	154.8	137.2	Yes
3435w	STUDY	HILLTOP_RB	306377	HILLTOP 100.00	309377	DUK 309377 100.00	2	154	189	130.9	Yes
29s	ABPVGM	WHETSTONB_CS	306377	HILLTOP 100.00	309377	DUK 309377 100.00	2	117	146.2	128.9	Yes
2930w	STUDY	HILLTOP_RB	306377	HILLTOP 100.00	309377	DUK 309377 100.00	2	154	178	121.3	Yes
2930w	STUDY	CLIFFSDE2P23MB	306389	DUK 306389 100.00	306401	SHELBY 100.00	1	132	140.2	106.5	Yes
29s	STUDY	CLIFFSDE2P23MB	306389	DUK 306389 100.00	306401	SHELBY 100.00	1	105	112.3	105.6	Yes
3435w	STUDY	CLIFFSDE2P23MB	306390	DUK 306390 100.00	308793	CLIFS2 100.00	1	132	128.8	96.4	Yes
34s	CAT1GM	NEWPORT_UGBL	306416	WATEREE 100.00	309837	RANGERLN 100.00	2	116	138.2	115	Yes
29s	STUDY	LOOKOUT_RB_NOGEN	306430	NLAKES R 100.00	306471	LONGVIEW 100.00	1	69	76.8	109.5	No
34s	STUDY	LINCOLN12P23MB	306441	6LINCOLN 230.00	308587	6ORCHARD 230.00	2	845	917.1	104.9	Yes
3435w	STUDY	LINCOLN12P23MB	306441	6LINCOLN 230.00	308587	6ORCHARD 230.00	2	1063	1135.2	103.2	Yes
34s	STUDYMAY1VRS	HICKORYW-LOO_P21	306453	CLARMNTB 100.00	306472	LOOKOUT 100.00	1	166	163.5	96.1	Yes
34s	STUDYMAY1VRS	BEULAHWH-STA_P21	306454	ENRG U18 100.00	306472	LOOKOUT 100.00	1	166	180.6	106.2	No
3435w	STUDYASH4VRS	BEULAHWH-STA_P21	306454	ENRG U18 100.00	306490	STAMEY 100.00	1	249	265.7	104.6	No
2930w	LOOKGM	BEULAHW	306454	ENRG U18 100.00	306490	STAMEY 100.00	1	249	263.3	102.4	No
34s	STUDY	ORCHARD100Y	306469	LINCOLNT 100.00	306488	RUEMC20 100.00	1	120	116.9	96.2	No
34s	STUDYMAY1VRS	HICKORYB-LOO_P21	306472	LOOKOUT 100.00	306504	CLARMNTW 100.00	1	166	170.1	100	No

## DEC BASE Reliability Needs Results

34s	STUDYMAY1VRS	BEULAHBL-STA_P21	306472	LOOKOUT 100.00	309286	ENGR U18 W 100.00	1	166	215.7	126.7	No
3435w	STUDYASH4VRS	BEULAHBL-STA_P21	306472	LOOKOUT 100.00	309286	ENGR U18 W 100.00	1	208	244.6	115.3	No
2930w	STUDY	STAMYMKSVL_B	306472	LOOKOUT 100.00	309286	ENGR U18 W 100.00	1	208	237.7	111.5	No
29s	STUDY	STAMEY_RB	306472	LOOKOUT 100.00	309286	ENGR U18 W 100.00	1	166	181.1	106.3	No
34s	HHPVGM	MULLWH	306488	RUEMC20 100.00	309796	MULLB STR208100.00	1	132	138.2	102.5	Yes
3435w	STUDYASH4VRS	BEULAHB	306490	STAMEY 100.00	309286	ENGR U18 W 100.00	1	249	265.7	104.6	No
2930w	LOOKGM	BEULAHB	306490	STAMEY 100.00	309286	ENGR U18 W 100.00	1	249	263.3	102.4	No
34s	STUDY	HARSB230Y	306538	6HARRISB 230.00	306540	6MCGUIRE 230.00	3	492	492.5	100.9	No
34s	STUDY	HARSB230R	306538	6HARRISB 230.00	306540	6MCGUIRE 230.00	4	492	466.8	95.5	No
34s	STUDY	LKWDLNGCRK_B	306552	BANCROFT 100.00	306631	N CHARLT 100.00	1	202	204.2	100.4	Yes
34s	STUDY	LKWDOAKLWN_B	306552	BANCROFT 100.00	306695	BUCKEYET 100.00	1	202	207.7	102	Yes
3435w	STUDY	WINECOFF_YB	306566	CHINA GR 100.00	306687	WINECOFF 100.00	1	135	135.1	96.8	No
29s	STUDY	HARBRG_LT4R_CS	306573	CONCORD 100.00	309611	CONCORD4 100.00	1	135	214.3	158.3	No
34s	STUDYVCS1VRS	CONCRDBS-HB_P21	306573	CONCORD 100.00	309611	CONCORD4 100.00	1	135	147.8	109	No
34s	STUDY	HBURGCRABO_B_FS	306600	HARRISBG 100.00	306601	HCKRY GR 100.00	1	132	148	111.5	Yes
29s	STUDY	HBURGCRABO_B_CS	306600	HARRISBG 100.00	306601	HCKRY GR 100.00	1	132	138.9	103.7	Yes
34s	STUDY	HBURGCRABO_W	306600	HARRISBG 100.00	308863	HIC GRO BL 100.00	1	132	146.9	110.9	Yes
29s	STUDY	HBURGCRABO_W	306600	HARRISBG 100.00	308863	HIC GRO BL 100.00	1	132	134.3	100.5	Yes
34s	STUDY	WOODLWNLT5Y	306602	HIL S RE 100.00	306631	N CHARLT 100.00	1	208	199.1	98.7	Yes
34s	STUDY	LKWDOAKLWN_W	306611	LAKWOOD 100.00	306649	REMOUNT 100.00	1	183	191.8	103.7	Yes
34s	STUDY	LKWDLNGCRK_B	306611	LAKWOOD 100.00	306690	WOODLAWN 100.00	1	166	161.1	95.8	No
34s	STUDY	LKWDOAKLWN_B	306611	LAKWOOD 100.00	306695	BUCKEYET 100.00	1	202	217.3	106.2	Yes
34s	STUDY	LAKWOOD_YB	306611	LAKWOOD 100.00	308754	BANCRO B 100.00	1	202	203.9	99.9	Yes
34s	STUDY	WFRKCABRUS_B	306629	MORESVIL 100.00	306681	WESTFORK 100.00	2	132	179.2	138.9	Yes
34s	STUDY	WFRKCABRUS_W	306629	MORESVIL 100.00	306681	WESTFORK 100.00	1	132	179	138.5	Yes
29s	STUDY	WFRKCABRUS_B	306629	MORESVIL 100.00	306681	WESTFORK 100.00	2	132	165	126	Yes
29s	STUDY	WFRKCABRUS_W	306629	MORESVIL 100.00	306681	WESTFORK 100.00	1	132	164.8	125.6	Yes
34s	STUDY	WFRKCABRUS_B	306629	MORESVIL 100.00	306681	WESTFORK 100.00	3	165	179.1	113.4	Yes
29s	STUDY	WFRKCABRUS_B	306629	MORESVIL 100.00	306681	WESTFORK 100.00	3	165	165.4	102.9	Yes
29s	STUDY	HARBRG_LT4R_CS	306638	DUK 306638 100.00	306703	CONCORD3 100.00	1	152	182.1	123.3	Yes
29s	STUDY	HARBRG_LT4R_CS	306638	DUK 306638 100.00	309611	CONCORD4 100.00	1	152	186.3	123.3	Yes

## DEC BASE Reliability Needs Results

34s	STUDY	WFRKCABRUS_W	306652	STONEWATER 100.00	306707	TRIANGLT 100.00	1	305	306	99.9	Yes
34s	STUDY	SOUTHPOINTCANAL_W2	306664	DUK 306664 100.00	306683	DUK 306683 100.00	1	105	100.2	99	Yes
34s	STUDYVCS1VRS	CABARRUSB-STNW_P21	306681	WESTFORK 100.00	306685	WILDCAT 100.00	1	132	188.2	150.3	Yes
29s	STUDYHAR1VRS	CABARRUSB-STNW_P21	306681	WESTFORK 100.00	306685	WILDCAT 100.00	1	132	172.9	135.7	Yes
34s	STUDY	WFRKCABRUS_W	306681	WESTFORK 100.00	308892	LANGTREE TAP100.00	4	165	179.4	113.3	Yes
29s	STUDY	WFRKCABRUS_W	306681	WESTFORK 100.00	308892	LANGTREE TAP100.00	4	165	165.6	102.8	Yes
34s	ALL1GM	CANALB_FS	306684	DUK 306684 100.00	309941	DUK 309941 100.00	1	105	100.2	98	Yes
3435w	BEL1GM	HORSEGAPB	306712	6ANTIOCH 230.00	306715	6WILKESTIE 230.00	2	639	608.4	95.7	Yes
34s	STUDYHAR1VRS	DEEPRVRB-GB_P21	306726	BECKRDIT 100.00	306805	TRIAD PK 100.00	1	132	129.9	102.6	Yes
34s	STUDYHAR1VRS	DEEPRVRW-GB_P21	306726	BECKRDIT 100.00	308922	TRIADPK WH 100.00	1	132	125.9	97.2	Yes
34s	STUDY	BECKRDT_LT1Y	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z1	255	303.5	113.6	No
34s	STUDY	BECKRDT_LT1R	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z2	255	297.5	111.2	No
29s	STUDY	BECKRDT_LT1Y	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z1	255	287.2	107.2	No
29s	STUDY	BECKRDT_LT1R	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z2	255	280.2	104.1	No
3435w	STUDY	BECKRDT_LT1Y	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z1	319	331.1	98.2	No
3435w	STUDY	BECKRDT_LT1R	306726	BECKRDIT 100.00	309506	BECK2 100.00	Z2	319	322.6	96.4	No
34s	STUDY	RURLHPINCL_W	306727	MNTROYRT 100.00	306788	RURAL HL 100.00	1	213	219.1	99.5	Yes
29s	STUDY	DANRIVS_YB_WINDMERE	306737	DAN RIV 100.00	306790	SADLER 100.00	1	105	119.5	109.6	Yes
29s	STUDY	DANRIVS_YB_WINDMERE	306737	DAN RIV 100.00	306790	SADLER 100.00	3	105	119.2	109.3	Yes
34s	STUDY	DANRIVS_YB_WINDMERE	306737	DAN RIV 100.00	306790	SADLER 100.00	1	105	118.4	107.9	Yes
34s	STUDY	DANRIVS_YB_WINDMERE	306737	DAN RIV 100.00	306790	SADLER 100.00	3	105	118.1	107.7	Yes
29s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	306790	SADLER 100.00	2	105	116.3	106.6	Yes
29s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	306790	SADLER 100.00	4	105	116	106.4	Yes
34s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	306790	SADLER 100.00	2	105	114.9	104.8	Yes
34s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	306790	SADLER 100.00	4	105	114.6	104.5	Yes
29s	STUDY	DANRIVS_RB	306737	DAN RIV 100.00	306810	WENTWRTH 100.00	1	105	103.8	95.2	Yes
34s	STUDY	SADLER_YB	306737	DAN RIV 100.00	306810	WENTWRTH 100.00	1	105	104.4	95.2	Yes
34s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	308923	WENTW BL 100.00	1	105	109.6	100	Yes
29s	STUDY	DANRIVSLN_W	306737	DAN RIV 100.00	308923	WENTW BL 100.00	1	105	107.5	98.6	Yes
34s	BEL1GM	BANNERTOWNB	306763	MITCHL R 100.00	306835	SRYYDKN7 100.00	1	93	107	111.7	No
3435w	STUDY	RURLHLL_LT3R	306763	MITCHL R 100.00	306835	SRYYDKN7 100.00	1	117	114.1	99.2	No

## DEC BASE Reliability Needs Results

34s	BELIGM	BANNERTOWNW	306763	MITCHL R 100.00	308027	WH PLAIN 100.00	1	93	92	96.1	No
34s	STUDYHAR1VRS	DEEPRVRB-GB_P21	306805	TRIAD PK 100.00	306986	HP CITY5 100.00	1	132	127.8	102.7	Yes
3435w	STUDYOXFDGC	OXFRDBRMTN_W_FS	306813	WILKES T 100.00	306817	CAIRO T 100.00	1	166	171	107.7	No
2930w	STUDYOXFDGC	OXFRDBRMTN_W_FS	306813	WILKES T 100.00	306817	CAIRO T 100.00	1	166	155	95.8	No
34s	STUDY	PLGARDEN_RB	306834	MILLISTB 100.00	306935	LINDENST 100.00	1	132	146.7	117.4	Yes
29s	STUDY	PLGARDEN_RB	306834	MILLISTB 100.00	306935	LINDENST 100.00	1	132	141.7	111.9	Yes
3435w	STUDY	PLGARDN_LT3R	306834	MILLISTB 100.00	306935	LINDENST 100.00	1	159	152.3	102.6	No
2930w	STUDY	PLGARDN_LT2R	306834	MILLISTB 100.00	306935	LINDENST 100.00	1	159	147.2	97.8	No
34s	STUDYHAR1VRS	DELTAB-PARK_P21	306852	ASHE ST 100.00	306875	DURHAM 100.00	1	152	155.1	104.6	Yes
29s	STUDYHAR1VRS	PARKWOOD_EHV	306852	ASHE ST 100.00	306875	DURHAM 100.00	1	152	153.3	102.2	Yes
34s	STUDY	ENO_YB	306868	CREST ST 100.00	306881	ENO 100.00	2	197	220	109.8	Yes
29s	STUDY	ENO_YB	306868	CREST ST 100.00	306881	ENO 100.00	2	197	200.2	99.9	Yes
34s	STUDY	ENO_RB	306868	CREST ST 100.00	306881	ENO 100.00	1	224	221.8	98.3	No
34s	STUDY	ASHSTDELTA_W	306880	ELLIS RD_B 100.00	306952	R TRNGLE_B 100.00	1	129	145	117.6	Yes
29s	STUDY	ASHSTDELTA_W	306880	ELLIS RD_B 100.00	306952	R TRNGLE_B 100.00	1	129	143.8	115.8	Yes
34s	STUDY	ENOBRAGTWN_W	306881	ENO 100.00	306916	HORTON R 100.00	1	120	127.1	103.5	No
34s	STUDY	ENO_RB	306881	ENO 100.00	308630	HORTON TW 100.00	1	120	127.6	105	No
29s	STUDY	ENO_RB	306881	ENO 100.00	308630	HORTON TW 100.00	1	120	118	96.2	No
34s	STUDYHAR1VRS	DEEPRVRW-BEC_P21	306890	FRNDSHPT 100.00	306902	GREENSBR 100.00	1	132	125.5	95.7	Yes
34s	SDPVGM	GRNSBOROB	306902	GREENSBR 100.00	306939	MERIT DR 100.00	1	234	225.9	95.7	Yes
34s	BUCCGM	DEEPRVRW	306902	GREENSBR 100.00	308930	FRIEND B 100.00	1	132	146.2	112.7	Yes
29s	BUCCGM	DEEPRVRW	306902	GREENSBR 100.00	308930	FRIEND B 100.00	1	132	134.4	102.6	Yes
34s	STUDY	NGBORODANR_W_RMVCAP	306928	JESUPTWN 100.00	306943	N GREENS 100.00	1	183	178.3	98.9	Yes
34s	STUDY	PLGDNGLRVN_W	306935	LINDENST 100.00	306942	MILLIS 100.00	1	132	128.8	101.4	Yes
29s	STUDY	PLGDNGLRVN_W	306935	LINDENST 100.00	306942	MILLIS 100.00	1	132	125.4	97.6	Yes
34s	STUDY	NGBOROLKJNT_B	306943	N GREENS 100.00	308957	JESUPT WH 100.00	1	183	182.8	98.9	Yes
34s	STUDY	ASHSTDELTA_W	306948	PARKWOOD 100.00	306952	R TRNGLE_B 100.00	1	224	240.1	110	No
29s	STUDY	ASHSTDELTA_W	306948	PARKWOOD 100.00	306952	R TRNGLE_B 100.00	1	224	231.8	105.5	No
34s	STUDY	ENO_LT2R	306948	PARKWOOD 100.00	306970	HOPVLYTB 100.00	1	224	250.9	115.8	No
29s	STUDY	ENO_LT2R	306948	PARKWOOD 100.00	306970	HOPVLYTB 100.00	1	224	231	105	No
34s	STUDY	ASHSTDELTA_B	306948	PARKWOOD 100.00	308940	R TRNGLE_W 100.00	1	224	212	95.5	No

## DEC BASE Reliability Needs Results

34s	STUDY	PARKWD_LT1Y	306948	PARKWOOD 100.00	309560	PARK2 100.00	Z1	224	225.7	100.7	No
34s	STUDY	PARKWD_LT1R	306948	PARKWOOD 100.00	309560	PARK2 100.00	Z2	224	216.8	96.6	No
34s	STUDY	LNDNRNDLMN_W	306949	PL GARDN 100.00	309892	DUK 309892 100.00	1	183	256.2	139.3	Yes
29s	STUDY	LNDNRNDLMN_W	306949	PL GARDN 100.00	309892	DUK 309892 100.00	1	183	240.5	131.7	Yes
3435w	STUDY	PLGDNRDLMN_W	306949	PL GARDN 100.00	309892	DUK 309892 100.00	1	207	267.3	129.7	No
2930w	STUDY	PLGDNRDLMN_W	306949	PL GARDN 100.00	309892	DUK 309892 100.00	1	207	257.5	124.1	No
34s	BUCCGM	RANDLEMANBL	306949	PL GARDN 100.00	309893	DUK 309893 100.00	1	183	255.9	138.9	Yes
29s	BUCCGM	RANDLEMANBL	306949	PL GARDN 100.00	309893	DUK 309893 100.00	1	183	237.2	129.4	Yes
3435w	STUDY	PLGDNRDLMN_B	306949	PL GARDN 100.00	309893	DUK 309893 100.00	1	207	259.6	127.2	No
2930w	STUDY	PLGDNRDLMN_B	306949	PL GARDN 100.00	309893	DUK 309893 100.00	1	207	250.7	121.9	No
34s	STUDY	EDURHAM_YB	306967	TREYBURN TB 100.00	309848	E DURHAM RED100.00	1	105	106	104.3	Yes
29s	STUDY	EDURHAM_YB	306967	TREYBURN TB 100.00	309848	E DURHAM RED100.00	1	105	99.4	97.3	Yes
34s	STUDY	ASHSTDELTA_W	306975	WEAVERT 100.00	308786	STALLTAP 100.00	1	152	146.7	97.1	Yes
34s	STUDY	BECKERDIT_RB	306989	TARRANTR 100.00	308930	FRIEND B 100.00	1	132	128.1	100.3	Yes
34s	STUDYVCS1VRS	CHEROKEW-CLI_P21	307276	DUK 307276 100.00	309376	STR 173 100.00	1	65	71.1	124.3	Yes
29s	STUDYASH7VRS	CHEROKEW-CLI_P21	307276	DUK 307276 100.00	309376	STR 173 100.00	1	65	71.1	123.4	Yes
34s	LECCGM	AB_SHADBK2_S	307346	1SHADY G 44.000	309459	1SHADY 1 1.0000	1	85	90	105.9	Yes
29s	LECCGM	AB_SHADBK2_S	307346	1SHADY G 44.000	309459	1SHADY 1 1.0000	1	85	85.5	100.6	Yes
34s	LECCGM	SHADYG1	307346	1SHADY G 44.000	309460	1SHADY 2 1.0000	2	84	89.9	107.1	Yes
29s	LECCGM	AB_SHADBK1_S	307346	1SHADY G 44.000	309460	1SHADY 2 1.0000	2	84	85.5	101.8	Yes
34s	STUDY	TIGER_LT3R	307350	1TIGER 44.000	309467	1TIGER 5 1.0000	5	60	90.2	150.4	Yes
3435w	STUDY	TIGER_LT3R	307350	1TIGER 44.000	309467	1TIGER 5 1.0000	5	60	85.4	142.3	Yes
29s	STUDY	TIGER_LT3R	307350	1TIGER 44.000	309467	1TIGER 5 1.0000	5	60	84.2	140.4	Yes
2930w	STUDY	TIGER_LT3R	307350	1TIGER 44.000	309467	1TIGER 5 1.0000	5	60	79.2	131.9	Yes
34s	LECCGM	AB_SHADBK2_L	307617	LAUEC41 100.00	308622	LEE CC 100.00	2	96	91.9	96.1	Yes
3435w	CLI5GM	SHELBY3	307790	1SHELBY 44.000	309463	1SHELBY 4 1.0000	4	56	60.6	108.3	Yes
2930w	WYLIGM	SHELBY2	307790	1SHELBY 44.000	309463	1SHELBY 4 1.0000	4	56	56.7	101.2	Yes
34s	AAPVGM	SHELBY3	307790	1SHELBY 44.000	309463	1SHELBY 4 1.0000	4	56	54.3	97	Yes
3435w	STUDY	LAURENRAB_B_CS#_TGLC	307942	CLINTON 100.00	308794	CLINTON TB 100.00	Z1	41.6	40.2	98.2	No
34s	STUDY	LAURENS_YB_CS#_RMVCA	307942	CLINTON 100.00	308794	CLINTON TB 100.00	Z1	41.6	39.9	96.3	No
3435w	RDHSGM	LONGVIEW3	307989	1LONVIEW 44.000	309423	1LONGV 2 1.0000	2	84	91.6	109	Yes



## DEC BASE Reliability Needs Results

2930w	RDHSGM	LONGVIEW3	307989	1LONVIEW 44.000	309423	1LONGV 2 1.0000	2	84	85.4	101.7	Yes
3435w	RDHSGM	LONGVIEW2	307989	1LONVIEW 44.000	309424	1LONGV 3 1.0000	3	76	90.9	119.6	Yes
2930w	RDHSGM	LONGVIEW2	307989	1LONVIEW 44.000	309424	1LONGV 3 1.0000	3	76	84.8	111.5	Yes
34s	RDHSGM	LONGVIEW2	307989	1LONVIEW 44.000	309424	1LONGV 3 1.0000	3	76	75.4	99.3	Yes
34s	BUCCGM	BASE CASE	308104	DEERFLDR 100.00	308455	NESBITBRAWL 100.00	1	143	141.6	100.9	Yes
3435w	WYLIGM	MITCHR1	308325	1MITCH R 44.000	309430	1MITCH 3 1.0000	3	85	89.6	105.5	Yes
2930w	BELIGM	MITCHR1	308325	1MITCH R 44.000	309430	1MITCH 3 1.0000	3	85	83.9	98.8	Yes
3435w	STUDYHAR1VRS	ENO1	308422	1ENO 44.000	309413	1ENO 3 1.0000	3	40	47.8	119.6	Yes
2930w	STUDY	ENO230HT1	308422	1ENO 44.000	309413	1ENO 3 1.0000	3	40	44.5	111.4	Yes
34s	STUDY	ENO_LT1R	308422	1ENO 44.000	309413	1ENO 3 1.0000	3	40	42.6	106.6	Yes
29s	STUDY	ENO_LT1Y	308422	1ENO 44.000	309413	1ENO 3 1.0000	3	40	39.3	98.2	Yes
3435w	THALGM	TUCKASEEBK3	308487	5TUCKASE 161.00	308489	6TUCKASE 230.00	2	386	398.2	103.2	No
3435w	THALGM	TUCKASEEBK2	308487	5TUCKASE 161.00	308489	6TUCKASE 230.00	3	386	397.8	103.1	No
34s	HHPVGM	MULLBL	308589	ORCHARD 100.00	308833	RUTH20WH 100.00	1	132	138.2	102.5	Yes
34s	HHPVGM	MULLWH	308589	ORCHARD 100.00	309796	MULLB STR208100.00	1	132	139.5	102.4	Yes
34s	LECCGM	AB_SHADBK2_L	308622	LEE CC 100.00	309811	FVCRCLSPV 100.00	1	96	125.7	130	Yes
34s	STUDY	PARKWD_LT3R	308631	DUK 308631 100.00	308994	DUK 308994 100.00	1	129	121.5	100.7	Yes
34s	CAT1GM	BELMONTW	308729	ALLENCT2 100.00	308865	LTLROKTO 100.00	1	120	119.3	102.4	No
34s	STUDYMAY1VRS	PERRYB-LEE_P21	308762	DUK 308762 100.00	308763	MOONVI W 100.00	1	120	119.4	99.1	No
34s	STUDY	ASHSTDELTA_W	308786	STALLTAP 100.00	309848	E DURHAM RED100.00	Z1	193	187.5	96.9	No
34s	STUDYVCS1VRS	CHEROKEW-CLI_P21	308792	CHESNEE T WH100.00	308803	SPARTAN T WH100.00	1	65	72.5	123.3	Yes
29s	STUDYASH7VRS	CHEROKEW-CLI_P21	308792	CHESNEE T WH100.00	308803	SPARTAN T WH100.00	1	65	72.4	122.4	Yes
34s	STUDY	CLFSD5_YB	308792	CHESNEE T WH100.00	309168	MAYO T 100.00	1	65	73.3	123.3	Yes
29s	STUDYASH7VRS	CHEROKEW-CLI_P21	308792	CHESNEE T WH100.00	309168	MAYO T 100.00	1	65	73.3	122.3	Yes
29s	LECCGM	PINEWOODB	308802	PINEWOOD W 100.00	309601	BMONT T 100.00	1	132	164	124	Yes
34s	STUDYVCS1VRS	CHEROKEW-CLI_P21	308803	SPARTAN T WH100.00	309376	STR 173 100.00	1	65	71.8	124.2	Yes
29s	STUDYASH7VRS	CHEROKEW-CLI_P21	308803	SPARTAN T WH100.00	309376	STR 173 100.00	1	65	71.8	123.3	Yes
34s	STUDY	PARKWOOD_RB	308929	ELLIS RD_W 100.00	308940	R TRNGLE_W 100.00	1	129	156.8	124.8	Yes
29s	STUDY	PARKWOOD_RB	308929	ELLIS RD_W 100.00	308940	R TRNGLE_W 100.00	1	129	152.2	119.7	Yes
3435w	STUDY	CENTFISHWH	309405	1CENTRL 1 1.0000	309501	CENT1 100.00	1	415	436.6	105.2	No
34s	STUDY	CENTFISHWH	309405	1CENTRL 1 1.0000	309501	CENT1 100.00	1	415	436.2	105.1	No

## DEC BASE Reliability Needs Results

2930w	STUDY	CENTFISHWH	309405	1CENTRL 1 1.0000	309501	CENT1 100.00	1	415	414.5	99.9	No
29s	STUDY	CENTFISHWH	309405	1CENTRL 1 1.0000	309501	CENT1 100.00	1	415	413.8	99.7	No
34s	STUDY	CENT230HT1	309406	1CENTRL 2 1.0000	309502	CENT2 100.00	2	268	294.5	109.9	No
29s	STUDY	CENT230HT1	309406	1CENTRL 2 1.0000	309502	CENT2 100.00	2	268	279.3	104.2	No
3435w	LECCGM	PISGAH2	309450	1PISGA 1 1.0000	309513	PISG1 100.00	1	246	233.9	95.1	No
3435w	CLI5GM	PISGAH1	309451	1PISGA 2 1.0000	309514	PISG2 100.00	2	246	236.2	96	No
34s	DRCCGM	SADLER3	309458	1SADLE 4 1.0000	309518	SADL4 100.00	4	534	553.4	103.6	Yes
29s	DRCCGM	SADLER3	309458	1SADLE 4 1.0000	309518	SADL4 100.00	4	534	548.5	102.7	Yes
29s	STUDY	SHLB230Y	309462	1SHEL3 3 1.0000	309543	SHE3 100.00	3	268	276.9	103.3	No
2930w	STUDY	SHLB230Y	309462	1SHEL3 3 1.0000	309543	SHE3 100.00	3	300	301.7	100.6	Yes