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④ ST?H G'3, & & BCOM
④ G'3, &, 6 &" 4 "% "\$&9 .,//%\$, \$ &" ?3-1&&9" .- 99"\$) " E55 "\$&C E33"\$ 1 JC
4" %\$ 9 =" & \$%, \$ G'9 =9& ,6 ?-(&&9" PQC BK]URM

. ?4; C \$ "9 \$5" , \$ &%, 1\$ "\$%&) & " 3, & & " 1, Y, 6 & " ST?H \$
 & " G4C - %5, \$59(%?9: "%& =9%" \$(/ " , (%4798&\$%, 6 6" " 9 \$ %& & ' 9 1
 \$ \$ (%& : %& \$ %\$ & " F\$" B_D "\$%&) & , 5"" \$)M E %// : , 6 & "
 , 9 & \$%\$ " 5- F\$" B_D "\$%&) & : 4 , 5"")\$%%& 6, & ="⁹, 1

HE K AD & 9 T AE2 A 6 AA 2 64)) 5) VSUV 7^V

| | , 9 & \$ PP3. (- & R | E3395 =9" . , "C ?& \$ |
|---|--|------------------------|
| | 47 8 , 9 & \$% "9 & & 6 = 5 & \$ \$ 5, \$& \$ (5?)" / "\$& B] LC FS" B_DM | |
| B | 47 8 6 9" & 5, \$%& (5& %)/ "\$& B] L , 6 F\$" B_DM4(=M & M. , " e @AB %6"9: ^N RST ; ^{LN} VUM .R ^{AD} | |
| D | 47 8 \$%& 99" 33" & & \$, & / ""& \$ (%& : . 9M4(=M & M. , " e @AB %& \$ % ^{AD} RST ; VUM R ^A | |
| - | 47 8 \$%& 99" %5& \$%, 6 33" & & 1" " \$, & % 9M4(=M & M. , " e @AB 6, , 3" & \$ 9 5, \$ & \$ ^{AD} RST ; VUM R ^A E?28 H_BMB] NEKAA Pe] BLMBR | |
| @ | 47 8 6 9" & 5, \$ (5& -: , %& & ^{AA} & %& M . 9M4(=M & M. , " e @AB ^{AD} RST ; VUM R E?28 H_BMB] NEKAA Pe] BMB] DP5RR | |
| A | 47 8 6 9" & % 99: %& "5& 33" %)/ "\$& %=: . 9M4(=M & M. , " e @AB 6 9\$) & % 99: %& "5& %)/ "\$& % ^{AD} RST ; VUM R E?28 H_BMB] NEKAA Pe] BMDOPER | |
| U | 47 8 \$%& 99" a3(3%b , \$ & % 33" 9\$" & & 1%" . 9M4(=M & M. , " e @AB & \$ 6" 6"" & 9, \$) ^{AD} RST ; VUM R E4 AFs Pe R | |
| O | 47 8 \$%& 99" 33" %)/ "\$& %& & \$, & / ""& .& 9M4(=M & M. , " e @AB 33 , 3 & / \$/ (/ : "9 %& "\$) & ^{A1} | |

@ ?(// "% ""9, 3" = % , \$ 3"\$) H "6%, 6 .4?& & " G, & . (% P MBNLDNLLORC
 G'5, Y"3\$) P MBNLDNLR \$ & " V.E BBNBMLKR \$ " , \$9: \$&' \$ " & 3 , ")"\$" 9
 & " & "\$& , 6 & " %& : , 6 , 9 & \$%) 7 \$%& 99)" C \$ " \$, & \$&' \$ " \$ \$: 1 : & & "
 %5, 3"C (& \$, %& =%& \$5" , 6 , 9 & \$% "% 99")4?; M

^{AL} AA 9%& , 9 & \$%"d(9 & , (%\$ % , 6 , 9 & '\$%& - , 9 & \$ %\$, & = , Y"\$, (& = : Rm %"
 .4?; 3"\$) H "6 E33"\$ I .

^{AB} E99 a (& \$b :% \$: " %\$, & %& / "/" = ?" & ' BKAU %& & & ' \$?"3& / =" BLC
 DLBL "\$ & (\$9"%%, & " 1% \$, & ' M

^{AD} .4?; NBC 3M_C 3MBUDC 33MBAND

^A .4?; NBC 3M_C 3MBUDC 33MBAND_M

^{AG} .4?; NBC 3M_C 3MBUDC 33MBAND_M

^{AA} .4?; NBC 3MBK_m, " DL , & " "6" "\$5"%& (& & 6-: , N&' %& \$.4?; NBM.4?; NKC 33M__N

-@M

^{AU} .4?; NBC 3M @ 3MBUDC 3MBKM. 4?; NKC 3MKUM

^{AO} .4?; NBC 3MDDC 3MBUDM. 4?; NKC 3MK@M

| | | |
|--|---|---|
| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
| | PNQ RST ; VUM R | E?28 H_BMBJ NBKAA Pe] LAMA@R |
| J | 47 8 / 3 , 3" 9: %8) \$ " : "9 %& "\$) & =, ". 9M4(=M &9M., " e @AB D@CLL 3%& %) / "\$&, 6 (\$YS, 1\$: "9 %& "\$) & =, ". 9M4(=M &9M., " e @AB | E?28 H_BMBJ NBKAA Pe] BEMDOP7RR |
| K | 47 8 (% "65"\$& 1"9 %, \$ &% 33"9\$ ^H M PNQ RST ; VUM R | . 9M4(=M &9M., " e @AB E?28 H_BMBJ NBKAA Pe] BEMDOP8RR |
| BL | 47 8 (% "65"\$& 1"9 %, \$ &% 33"9\$ ^H M PNQ RST ; VUM R | . 9M4(=M &9M., " e @AB ?"5& \$ BMD , 6 E4 ?& \$ BBL@P@& 8 BKALR |
| BB | 47 8 (% \$5, / 39" & 1"9 % \$ 6 9" & / " % '9M4(=M &9M., " e @AB 1 99 & 5YS"%%, \$ &% 33"9\$ ^H M | E?28 H_BMBJ NBKAA Pe] BEMDOP. RR |
| BD | 47 8 \$, & \$5, 3, & & " a3(3% \$& &% . 9M4(=M &9M., " e @AB 5 95(9 & \$, 6 & " "%) \$ 3 "%8(" \$ 2E 4 6, &% 33"9\$ ^H M | PNQ RST ; VUM R |
| B_ | 47 8 6 9" & / "" & 2E 4 " & / \$ & \$ "d("/" \$& ="5 (% , 6 &% \$5, / 39" & YS, 19") "M ^P PNQ RST ; VUM R | . 9M4(=M &9M., " e @AB E?28 H_BMBJ NBKAA Pe] @AMDR |
| B@ | 47 8 6 9" & %8) \$ " : "9 %& "\$) & , 6 D@CLL@K 3 JG BKDMBLOP=RPDR & &% 33"9\$ ^H 1-"\$ & " %& "\$) & 1 % (\$YS, 1\$M PMMWTS ; VM . S.R. ^A | |
| 47 8 , 9 & \$% "9 & &% \$&) & 2 \$)" / 4\$& / M | | |
| BA | 47 8 \$, &) & " \$ \$&) & "d(" 33"9\$ ^H . JG BKDMKBCP=R & MPMV ; VW . & () S.R. ^H ; | |
| BU | 47 8 \$, & 5-"5Y 6, \$ " 6: & " 55(5: @K . JG BKD P\$5, 3, &\$) &% 33"9\$ ^H & MPMWTS ; VM . S.R. ^O ; | E?28 H_BMBJ? PeAMCRR |
| BO | 47 8 \$, & \$ 9: " &% 33"9\$ ^H 6, & " / \$(6 5& " "6"5&, 6 1"9 "6"5&M PMMV ; VW . & () S.R. ^H ; | @K . JG BKDMKBCP R P\$5, 3, &\$) E?28 H_BM]? PeDMRR |

A] . 4?; NBC 3M OC 3MB_C 33M BKNDLC 3M DDC 33M UNLUA?; NK 33M @NALM
 AK . 4?; NBC 3M _BC 3M BAC 3M BKM. 4?; NK 3M MBC 3M BLJ
 U . 4?; NBC 3M_B_C 3M BKC 33M DLNDBC 3M BUDMBM@BNC@G 33M KANKUM
 UB . 4?; NBC 3M_B_C 3M BKC 33M DLNDBC 3M BUDMBM@BNC@G 33M KANKUM
 W . 4?; NBC 3M DBC 3M OC 3M BKC 3M ALC 3M LBC 3M U3M DONJ C 33M @BNC 33M KDKUM
 U . 4?; NBC 33M DDND@C 3M_C 3M BUDM. 4?; NK 3M BLUM
 U@ . 4?; NBC 33M DDND@C 3M_C 3M BUDM. 4?; NK 3M BLUM
 UA , 9 & \$ %& & & ']gBKgOLm. 4?; NBC 3M _BNC. 3M UBC 3M BLUC 3M BLJ] M
 W , 9 & \$ %& & & ' BdgBAgDLL_m. 4?; NBC 33M UNBU_M. 4?; NK 3M ULC 3M UKC 3M OLC 3M]AM
 W , 9 & \$ %& & & ' L]gBKgBKOLm. 4?; NBC 3M DUDKC 3MAAM. 4?; NK 3M BLOC 3M BBLC 3M
 BB@M U , 9 & \$ %& & & ' BdgBAgDLL_m. 4?; NBC 33M UNBU_M. 4?; NK 3M UN_KM

| | | |
|----|---|-----------------------|
| | , 9 & \$ P3. (-&R | E3395 =9" ., "C ?& \$ |
| BJ | 47 8 6 9" & 5, \$%" ; ?E 33" %3, & \$& 99: @K . JG BKDMKBP" RP_R %="f"5& & / \$(6 5& \$) "6"5&M BSMV; VW . & () SF; | |
| BK | 47 8 \$, & 5, \$%" %&% %&5 & 1& @K . JG BKDMKBP" RC \$, 3" &\$) =, " 2 4 , 6 & " 9 %& 6" : " %M BKDMKBP" RP_RPR BSMU; VW . & () R ^L ; | |
| DL | 47 8 \$, & 5, \$%" 33"9\$" %Y (\$&=9" \$ @K . JG BKDMKBP" RP_RPR 3 , & " %&%& "\$& , 6 %&% 6& , 3" &\$) =, 2 4 , 6 & " 9 %& 6" : " %M BSMU; VW . & () R ^B ; | |
| DB | 47 8 \$, & 5, \$%" , &%& 6, 5: 595 6 \$&) (" @K . JG BKDMKBP" RPDR &% 33"9\$"BSMV; VW . & () SW ; R ^D | |
| DD | 47 8 \$, & (% \$ %&"5& \$ / "&, 5 3 =9" , @K . JG BKDMKBP R "\$&: \$) % / %&(" %M BSMV; VW . & () SF; | |
| D_ | 47 8 6 9" & 3 , 3" 9: %&"5&, &%& &% 33"9\$". JG BKDMKBP" RP@ 6& "I5" \$) 2 4 , \$ 8Q 33" BSMU; VW . & () R [@] ; | |
| D@ | 47 8 \$, & "\$&: 1-" " \$ -, 1 @K . JG BKD P\$5, 3, &\$) (\$&=%& \$& &' 33"9\$" & 1 %(% \$ & " &?28 H_BM? Pe@MRR "\$&5 & \$ PSMV; VW . & () SW ; R ^A | |
| DA | 47 8 \$, & PBR 5, \$%" "\$&" & " &%\$ @K . JG BKDMKBP5R %&%&"\$&m PDR 5, \$%" 3 %&" "\$& , \$ F\$ " B_P\$5, 3, &\$) E?28 \$ P_R 55, (\$& 6, /%&\$)gd("%& \$ =9" & H_BM? PeAMRR 6SMV; VW . & () SF; | |
| DU | 47 80% %Y 9), &/% \$, & PBR 3 , 3" 9: 1" @K . JG BKDMKBP5R & " &% Y\$, 1 , 3" &\$) "I3" "\$5"m PDR "\$&P\$5, 3, &\$) E?28 & " 3 , 3" 3, &\$& 9 / 3 5& (%m P_R "\$&: H_BM? PeARR 3 , 3" ., %&d("\$5"% , 6 J 9(" 6, / (9 m P@R (% 5, \$%" &' 9("%6, "9"5& 5 9 \$&' 6" "\$R"m PA 5, \$%" , "\$N5 99 &Y" &m \$ PUR 5, \$%" 5 -%& 3 , =9" / % 1& 33" & 3" 6SMV; VW . & () SF; | |

UK , 9 & \$ %& & &' BDgBAgDLL_m.4?; NBC 33M@NBNDAC 33M@N@C 3MBU_M.4?; N KC 3M_UM
 AL , 9 & \$ %& & &' BDgBBgDLL_m.4?; NBC 33M@NBNDAC 33M_UN]M
 OB , 9 & \$ %& & &' BDgBBgDLL_m.4?; NBC 33M@NBNDAC 33M_UN]M
 OD , 9 & \$ %& & &' BDgBAgDLL_m.4?; NBC 33M@NBNDAC 33M@NBNDAC 3MDUC 3MD]C 3M_UC 3MBU_M.4?; NKC
 3M_]M
 O , 9 & \$ %& & &' BDgBAgDLL_m.4?; NBC 33M@NBNDAC 3M@C 33MAKNUBC 3MB_@C 3MBU_M
 O@ , 9 & \$ %& & &' BDgBBgDLL_m.4?; NKC 3M_UM
 OA , 9 & \$ %& & &' BDgBAgDLL_m.4?; NBC 33M@NBNDAC 33MALNAOM.4?; NKC 33MULNUBM
 OU , 9 & \$ %& & &' BDgBAgDLL_m.4?; NBC 33M@NBNDAC 33MA@NUBM.4?; N KC 3M_KC 3M
 BUDM

| | | | |
|----|-----------|---|----------------------------------|
| | | , 9 & \$ PP3. (- &R | E3395 =9" ., "C ?& \$ |
| DO | 47 8 | \$, & (% 5, \$% & 33"9\$" & 1-" ". 9M4(=M &9M., " e @AB & 1 %/%%\$) | E?28 H_BM]?C E33"\$ I E Pe@MR |
| D] | 47 8 | \$, &, 3" & %%%&/ %6"9: 1-"\$ &. 9M4(=M &9M., " e @AB "\$))" \$ &" 3 5&5" , 6 3 "%(" %YS) "" : A :" %& , &"%\$) , \$%"5&\$) | |
| | 47 8 | , 9 & \$% "9 & & %?. E; E %%&/ \$ &3& %T" / \$ 9M | |
| DK | 47 8 | \$, & 6, 99, 1 \$&' \$ 9 1, Y 3 , 5" ("% @K . JG BKDMB_P5R PV; 1L | |
| _L | 47 8 | \$, & 6, 99, 1 \$&' \$ 9 1, Y 3 , 5" ("%& 9M4(=M &9M., " e @AB &" "I&'\$&& 5 " &' \$ (%6" 5, \$ & \$1P | |
| _B | 47 8 | \$, & "%& =9% 3 , 5" ("%6, =\$, / @K . JG BKDMLAP5R 5, \$ & \$%PV; 1D | |
| _D | 47 8 | \$, & & 3 , 3" 9: / \$& \$ &" 293& % . 9M4(=M &9M., " e @AB ?& & \$.PSN; V R & () Q1- | |
| — | 47 8 | "%)" \$? . E; E %%&/ 1& &, / \$: . 9M4(=M &9M., " e @AB (\$"5"%% : 9 /%PSW; V U 1@ | |
| | 47 8 | , 9 & \$% "9 & & 8/")"\$5: G'%, \$% | |
| _@ | 47 8 6 9" | & 5 " &' \$ 6, 99, 1 "d(&' . 9M4(=M &9M., " e @AB "/")"\$5: 39 \$%TRU; V N . NR ^A | |
| _A | 47 8 | \$, & "%, \$ 3 , /3&9: , "66"5&'9: &@K . JG BKDMBAP RP_R &" FS" B_D 8I39, %\$ (" & \$5, \$%&'&\$& "/")"\$5: 39 \$%TRU; V N . NR ^U | |
| _U | 47 8 | \$, & "\$&' \$& /(& 9 %%%&\$5" @K . JG BKDMBAP RP] R) ""/"\$& 1& 9, 5 9 6 %& "%, \$TRU%P V N . N ; R ^O | |

⁰⁰ , 9 & \$ %& & &' BdgBAgDLL_m . 4?; NBC 3M AAKARM
⁰¹ , 9 & \$ %& & &' BdgBAgDLL_m . 4?; NBC 3M AAKARM
. 4?; NKC 33M@
^{0K} , 9 & \$ %& & &' BdgBAgDLL_m . 4?; NBC 3M @N@M . 4?; NKC 33M_UN]M
^{1L} , 9 & \$ &' KgKgDLBLm . 4?; NBC 3M @ 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
^{1B} , 9 & \$ &' KgKgDLBLm . 4?; NBC 3M @ 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
^{1D} , 9 & \$ &' KgKgDLBLm . 4?; NBC 3M @ 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
^{1_} , 9 & \$ %&/ " & - " %& &' DgBgDLBLm . 4?; NBC 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
^{1@} , 9 & \$ %&/ " & - " %& &' KgBgDLLAm B4?3M @ 33M CLNDC 33M O_NO@ 3M KDC 3M KUC 3M
KJ C 3M KKM
^{1A} , 9 & \$ %& & &']g_BgDLLKm . 4?; NBC 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
^{1U} , 9 & \$ %& & &']g_BgDLLKm . 4?; NBC 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
¹⁰ , 9 & \$ %& & &']g_BgDLLKm . 4?; NBC 3M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
. 4?; NKC 33M @N@M A33M BU_M . 4?; NKC 33M KLNKBM
49 \$ P8GARC 1-5- % - " \$) "1-=& . 4?; NDKOM 2(@ E%%&\$5" E) ""/"\$& " %(%& , \$ JNDM , 6
47 80% 8G4

| | | |
|----|---|-----------------------|
| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
| _O | 47 8 \$, & - " 39 \$ 6, "\$))\$) / (& 9 @K . JG BKDMBAP5RP@R %88& \$5" TRU; VN . NR ¹ | |
| _] | 47 80% 0, 1 \$ (\$5, , \$ & "%, \$% & & " @K . JG BKDMBAP RP_R FS" B D 8I 39, % \$ 1 % \$" & " 3 , / 3 & \$, "66" 5& MP;] ^K | |
| _K | 47 8 6 9" & "d(&'9: "5""C "\$&: \$ @K . JG BKDMBAP RPBR 59 %86: "/")"\$5: \$, & "MP ^{KL} | |
| @ | 47 8 \$, & 3 , " 6, 3 , 3" 3" % \$\$"9 \$ @K . JG BKDMBAP RP@R "%(5"% & & " "/")"\$5: % " \$" P ^B | |
| @B | 47 8 \$, & 3" 6, / \$ "/")"\$5: % (& , 1\$ & @K . JG BKDMBAP RPUR "d(&'9: / \$/ " - % & 96" \$ 3 , 3" & PV; ^{KD} | |
| @D | 47 8 \$, & / Y" % 6" \$: 5& 9 , 3, &' \$ & @K . JG BKDMBAP RPCR - % & 96" \$ 3 , 3N & P ^F | |
| @ | 47 8 \$, & \$, & 6: 9, 5 9 6 % & "%, \$V"; % P ^{KQ} @K . JG BKDMBAP RP] R | |
| @@ | 47 8 \$, & - " \$ "/")"\$5: / \$(9 & & @K . JG BKDMLAP5RPBR \$ "d(" 33 , 3 &' 5& \$% PTRU; VN . NR ^{KA} P_R | |
| @A | 47 8 \$, & "%& =9% \$ / \$ & \$ @K . JG BKDMBAP RPDR 5, / (\$5 & \$% 1& 9, 5 9 6 % & "%, \$ "N% P ^{KU} | |
| @U | 47 8 \$, & 3 , &' 5& 3", 39" 6 % & & "\$ 3 , 3" @K . JG BKDMBAP RPAR PV; ^{KO} | |
| @D | 47 8 \$, & "%& =9% \$ / \$ & \$ 9 % \$ 1& @K . JG BKDMBAP5RP@R 9, 5 9 6 % & "%, \$ TR% P VN . NR ^{KI} | |
| @ | 47 8 \$, & & \$ 3" % \$\$"9 & "5,)\$ " \$5 "\$ @K . JG BKDMBAP RP_R 3 , 3" 9: MP; ^{KK} | |

¹¹ , 9 & \$ % & & ']g_BgDLLKm . 4?; NBC 33M BB@P] 33M BBONBB] m . 4?; NKC 33M AANAUm . 4?; NBLC 33M OAC . 4?; 3 , 3, (\$ " ; GF") 9 ; % \$ LIENhL] & , = & \$ 47 80% 8/ ")"\$5: G' % , \$% 49 \$ P8GARC 1-5- % - " \$) "1- = & . 4?; NDKOM 2(& E%8& \$5" E) "" / "\$% " % (% " , \$ JNDMB , 6 47 80% 8G4M
^{1K} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB]@P] DDRC 33M BBON BB] m . 4?; NKC 33M AAN AUC 33M KONBL
^{KL} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BBANBB]@P] NKC 33M AANAUC 33M K] NBLDm . 4?; NBLC 33M OAC 33M O
^{KB} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB]@P] NKC 33M AANAUC 33M KKM
^{KD} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BL_C BBONBB]@P] NKC 33M KKC BLBNBLDM
^K , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BBONBB]@P] NKC 33M AAN AUC 33M KKC 33M BLBN BLDM
^{K@} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BB@P] 33M BBONBB]@P] NKC 33M AANAUC 33M BLNBLDM
^{KA} , 9 & \$ % & &']g_BgDLLKm . 4?; NBC 33M BB@P] NKC 33M BBKNBDDm . 4?; NKC 33M AAN AUC 33M KKNBLM
^{KJ} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BB] NBBKNK]@P] NKC 33M BLLM
^{KO} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BB] NBBKNK]@P] NKC 33M BLLM
^{KI} , 9 & \$ % & &']g_BgDLLKm . 4?; NBC 33M BB]@P] NKC 33M BLLM
^{KK} , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB]@P] 33M BDM . 4?; NBLC 33M B@M . 4?; NKC 33M BDC 33M K] N KKM

| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
|----|--|-----------------------|
| @K | 47 8 \$, & & \$ 3" %\$\$"9 3 , 3" 9: , "\$% @K . JG BKDMUBAP=RPDR &": " Y\$, 19")" =9" =, (& 3 , 5" N,"%MP | |
| AL | 47 8 \$"" "& / \$" 6 &%& \$\$) % "66"5&W @K . JG BKDMUBAP=RP_R ; BLB | |
| AB | 47 8 6 9" & ""1 &%/")"\$5: "%&, %%" @K . JG BKDMLAP5RP@R ; BLD | |
| AD | 47 8 \$, & 3 , 3" 9: " (5 & &" 3(=95 \$ 9&5 . JG BKDMUBUP R , 665 9%MP; BL_ | |
| A_ | 47 8 \$, & 3" 6, / 95, -, 9 &'&%\$ &"9: @K . JG BKKMDAP R / \$\$" \$ 6 9" & "5, &" " %,\$%6, 9 5Y , 6 5, / 39 \$5"MP; BL@ | |
| A@ | 47 8 \$, & 3" 6, / () \$ 95, -, 9 &'&%%, @K . JG BKKMDAP R \$ @K 7 %., \$&, 9 %& 66MP ^{BLA} . JG BKKMUBAP=R | |
| | 47 8 , 9 & \$ "9 & & %? 6"& . (9& " | |
| AA | 47 8 6 9" & 39 5" %6"& , " 3 , 6&%=: PBR9M4(=M &M., " e @AB " (5\$) %6"& N "9 &' = ()" & m PDR %&" \$ \$) 9"%% & \$ (&, " , \$ %6"& m P_R 3 "/ & "9: %\$ \$) & & %%%\$ 33"9\$" "39 5"/ "\$& 39 \$m P@R \$, & %"Y\$) %665"\$& 2 6(\$ %m PAR (%\$) 9"%% "66"5&' \$ 5-" 3" 2 &, 9% m PUR " (5\$)N%6"& "9 &' 3" %\$\$"9C 1-9" &&" %/" &" (%\$) "&\$" " \$\$)%& 3 : "\$ %C "3(5- %\$) %& 5YC 3 , \$) =, \$(%&C "I3"\$ \$) 6(\$ %, \$ 3(=95 "9 &\$% \$ = 99, &\$& &'%M PMWU; V NS . & () RQ; | |

HE K AD & 9 T AE2 A 6 4GA Y44B 3)) 5)USUV 7^V

| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
|---|--|-----------------------|
| B | ? 9)" 43" G'5, %M47 8 6 9" & 5 " &' \$ 9M4(=M &M., " e @ABm / \$& \$ 55(&'C 5, / 39" &'C \$ 55"%%=9" "5, 9& \$ 4(=95 &9&'% | |

HL , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB@C 3M BD_m . 4?; NBLC 33M B@BAM . 4?; NK 3M DBC 33M KJ NKKM
 HLB , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB@C 3M BD_m . 4?; NK 3M DBC 33M KJ NKKM
 HLD , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BLDNBB@C 3M BD_m . 4?; NK 3M DBC 33M KJ NKKM
 BL_ , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M BD_NBDANK433M AONAKC 3M OCC 3M BBAM
 BL@ , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M KKNBLBMY4 33M DBNDDC 33M BL@BLAM
 BLA , 9 & \$ &' KgKgDLBLm . 4?; NBC 33M KKNBLBMY4 33M DBNDDC 33M BL@BLAM
 BLU , 9 & \$ %& & &' BgBgBKKj m . 4?; NBC 3M N@C . 4?; 3&' sC 33M BDUNBUBM . 4?; NBUj C 3 %&M
 BLO_A 9&' , 9 & \$ %"d(9 &, (% \$ %, 6 , 9 &, %%, 9 & \$ \$59("% 33 , 1/ &'9: D_COLL /%&\$) %&"\$)& &'& 3 "%& " "5, %C \$, %&,\$&\$" \$59("% 33 , 1/ &'9: DCALL %&/" ?2W 9("%, 6 -) -" & \$ D@LLL 4? Rm %" . 4?; " & 3=%&

| | | |
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| | , 9 & \$ PP3. (- &R | E3395 =9" ., "C ?& \$ |
| | , 6 33" %9)" 6 ,/ &%& \$%&%\$ %&%&'/ \$ E5&C E &59" C %'5& \$ B | P=R |
| | "(% \$ FS" B_DMP (- 3- 8 0- & R&& | |
| D | ., \$%& (5& \$ G'5, %6, BKAU 4 , f"5& 72 B_U@BML4(=M &9M., " e @ABM | |
| | 47 8 6 9" & Y""3 5, /39"&' \$ 55(&' | |
| | 5, \$%& (5& \$ "5, %6, &" 3 , f"5& 72 B_U@BC &" | |
| | 3 , f"5& & & \$%& 99" ?") / "\$& B L \$ BKAUC | |
| | "39 5\$) 3 & , 6 FS" B_D & & - =""\$ \$%& 99" | |
| | \$ BK@MMPQ (& :(. Q S R ^{BLK} | |
| - | 4 "%& " T"%& G'5, %M47 8 \$, & "& \$. 9M4(=M &9M., " e @ABM | |
| | 3 "%& " &'%& "5, %6, ?") / "\$& B L , 6 FS". B_D \$ 4(=95 &9&'% | |
| | 6, &" 96" , 6 &" 6 59&MPE S R ^{BBL} | E5&C E &59" C %'5& \$ B |
| | | P=R |
| @ | \$ " 9: \$) G'5, %G'9 & & 2 I/(/ . 9M4(=M &9M., " e @AB | |
| | E99, 1 =9" 3" &\$) 4 "%& " 6, ?") / "\$& B LM | |
| | 47 80%43"9\$) ?(" : ?-""&C 7 ? \$ 665 9 | |
| | 2E 4 9%& 6, 33"9\$"%C 5 99" ; 1\$) | |
| | L U U CBB C "d(" _KL 3%2E 4 6, &" 3 & | |
| | , 6 FS" B_D & & \$59(" ?") / "\$& B MP(& | |
| | S R ^{BBB} | |
| A | .9" \$5" 4 , 5" ("%M47 8 3" %\$\$"9 \$, &. 9M4(=M &9M., " e @ABM | |
| | - " 1 &&' \$ %'d("5" , 6 %&'3%& =" (\$ " & Y"\$6\$ \$ 4(=95 &9&'% | |
| | &" / \$&' \$ \$5" 3 , 5" ("MP . N S N E5&C E &59" C %'5& \$ B | P=R |
| | :(. Q S R ^{BBB} | |
| U | 3" & \$% \$ 2 \$&' \$ \$5" \$%& (5& \$%MT-" . 9M4(=M &9M., " e @ABM | |
| | 3" &\$) \$ 2 \$&' \$ \$5" \$%& (5& \$%/ \$(9 @K . JG BKDMBA | |
| | &" 293& %T' / \$ 9 1 % , (& , 6 &'MP . | |
| | NQO :(. S R ^{BBI} | |
| O | ; 1\$) \$? . E; E ;) / % , 6 &" 293& % . 9M4(=M &9M., " e @AB | |
| | T' / \$ 9M47 8 3" %\$\$"9 & &" 293& %T' / \$ 9 | |
| | , \$9: - 55"%&& \$, (& &' / 3 \$ 5, \$& , 9 | |
| | , , / 3" %\$\$"9 - 55"%&& \$ \$5, /39"&' | |
| |) / , 6 &" 293& %T' / \$ 9MP S R ^{BBI@} | |
|]] | H 5YN 3 ? , 6&1 " & 293& %T' / \$ 9M47 8 . 9M4(=M &9M., " e @AB | |
| | 5, \$ (5&' "9"5& 5 9 1, Y &&" 293& %T' / \$ 9 | |
| | 1& , (& 33 , 3 &' = 5YN 3 %6&1 " 9 =9" 6, | |

| | | |
|-----|---------------------------------------|--------------------|
| BLJ | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & D@B- DAC DLB_RM |
| BLK | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & 2 B- DAC DLB_RM |
| BBL | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & 2 B- DAC DLB_RM |
| BBB | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & @ B- DAC DLB_RM |
| BBB | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & @ B- DAC DLB_RM |
| BBB | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & @ B- DAC DLB_RM |
| BB | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & @ B- DAC DLB_RM |
| BB@ | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y""3\$) | & @ B- DAC DLB_RM |

| | | |
|----|---|-----------------------|
| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
| | 9" 5, \$&, 99" %, \$ FS" B_D %)/"\$& B] L P (& S N R ^{BBA} | |
| K | ?(3" % : ., \$&, 9 \$; & E5d(%& \$?:%&'/ . 9M4(=M &9M., " e @AB Pa?. E; EbRM47 80%?. E; E \$, & 3, " & 47 8 3" %\$\$"9 &" \$6, / & \$ \$" " \$ &" 5, \$&, 9 , / \$ "9%1-" " & " 9 "66"5&'9: 1& &" FS" B_D 8I39, %\$ \$ \$, & 3, " 47 8 3" %\$\$"9 1& %665"\$& \$6, / & \$ & "&' /"\$ &" ="%& 5, (%' , 6 "/" 9 5& \$ &S & Y'NMP S N R ^{BBU} | |
| BL | 8/")"\$5: G'%, \$%' 49 \$M47 80%8/")"\$5: . 9M4(=M &9M., " e @ABm 49 \$ 6 9" & %33, & %6" \$ "665"\$& "%&K\$%G %'5& \$ BKDMBA & &" FS" B_D 8I39, %\$C 1-5- 5, \$&=(&' & 9, \$)" & \$ "\$5"%% : "%, \$%'MBS N (& :(. S N R ^{BPO} | |
| BB | \$5 "\$&%, 6 3" &S) FS" B_D \$ "I5"%%, 6_KL 9M4(=M &9M., " e @ABm 2E 4M47 8 , 3" &' FS" B_D \$ "I5"%%, 6_KL 7 BBD 3%2E 4 , \$ &9" %&& "" , 55 %%%1&, (& 6, 99, 1\$) ") (9 & \$%& & "d(" -: , %& & 99: &'%&S)MP. 0-& (-& - S T S ^{NV} S N | |
| BD | 4 "% & \$, 6 G'5, %G'9 &' & H "\$&, , ., //%%\$ G'9(& \$./" ?I " , M47 8 "%&, : " "9" \$& S(/=" FN@m; MKNL] NDK " "\$5" 6&' &" ., //%%\$ "5&' & & 99 " "\$5" "9" \$& & &" ? \$ H (\$, \$5 "\$&=" | |
| B | 47 80%; & G'%, \$%'G') \$) H "\$&, , ., //%%\$ G'9"% , 6 ./" ?I " , M47 8 3 , " .4?; \$ &" 4 5&" \$ 4 , 5" (" G'9" . , //%%\$ 1& & "%, \$%'%& & 1" " BMBM 5, \$& 5& : \$ /%9" \$)C \$ & &/3" " &" \$"%& & \$, 6 /3, & \$& \$ "9" \$& %& ("%-&& 3 , 5"" \$)M&P&. :& G S N V :. (; (| |
| B@ | 47 8 ; & G'%, \$%'G') \$) 4" %\$\$"9 & ., //%%\$ G'9(& \$ 293&%T' / \$ 9 , \$?"3&'/"= " KC DLB 47 8 S(/=" FN@m; MKNL] NDK 6 9" & "\$&6: 99 3" %\$\$"9 6, 1-, / .4?; %()-& "\$&65 & \$ \$ / " &1, 6 9% , /%9" \$) %& &'/"\$&M&P& 0-& (-& G F4(& . N | |

- | | | |
|-----|---------------------------------------|--------------------|
| BBA | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & UB B- DAC DLB_RM |
| BBU | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & U B- DAC DLB_RM |
| BBO | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & OU B- DAC DLB_RM |
| BBJ | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & OL B- DAC DLB_RM |
| BBK | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & O B- DAC DLB_RM |
| BL | 3"\$\$) H "6 , 6 .4?; \$ G'5, Y'"3\$) | & PL B- DAC DLB_RM |

| | | |
|----|---|-----------------------|
| | , 9 & \$ PP3. (-&R | E3395 =9" ., "C ?& \$ |
| | S NV ; (&, & - -& ; 4- -& P 4 . NR S NV ; (&, & - -& ; 4- -& & (. (-0 - 4) 4 (.) &8) 3 . NU S NSRM ^{BB} | |
| BA | k1& 1\$1 | |
| BU | Q = J9"%M47 8 f, = 69"% " /%8\$) , 5, \$& \$. 9M4(=M &9M., " e @Afm 55, (\$&&) \$6, / & \$ 1&, (& "%8"\$& 9 E?28 H_BM)m 47 80% "\$)\$"" \$) \$6, / & \$M P& (- 3- 8 0-& (-& . &&' \$ 9 3, 95"%M NQ RR ^{BD} | |
| BO | 43"9\$" V& : G'5, _%M 47 8 6 9" & " &\$. 9M4(=M &9M., " e @Afm 33"9\$" -%& : "5, %M P(- 3- 8 0-& (-& . &&' \$ 9 3, 95"%m 7 BBDNH NQ R (& S NM ^{BD} - | |
| Bj | ;"%\$ \$ 4 "%8% " T'%& G'5, _%2%8\$)M E?28 H_BM)m 7 BBDm @K 47 8 6 9" "&" & , &" "d(" %&"\$)%& & BKDMAL C @K . JG , & "&\$ &" %&"\$)& &'& "5, % \$ "BKDMALAC \$ @K . JG & , 6 &'&&& & & 5, \$ (M P&8) BKDMALOM S N RM ^{BD} @ | |
| BK | ["9 2 3% \$ ["9 \$%3"5&\$ G'5, %M47 8 . 9M4(=M &9M., " e @Afm 6 9" & "&\$ 1"9 / 3% \$ 1"9 \$%3"5&\$ E?28 H_BM)m. 96, \$ "5, %M P(- 3& . & NOT (& SRV ^{BD} 4(=95 &9%'E5& E &59" %5&\$ B_P=Rm @K . JG BKDM@B \$ BKDM@m 7"\$" 9 " % BBDC BBDEC \$ BBDH %5&\$ BLOm \$ 47 8 %&\$ 3 5&5"M | |
| DL | 3" &8) 4 "%8% " G'5, %M47 8 \$, & 5 " &' 9M4(=M &9M., " e @Afm , / \$&\$ &" , 3" &8) "5, % PBK_LN ^{BD} DLBRM. 96, \$ 4(=95 &9%' E5& E &59" %5&\$ B_P=RC E?28 H_BM)C 7"\$" 9 " % BBDC BBDEC \$ BBDH %5&\$ BLOC \$ 47 8 \$&' \$ 9 3, 95"%M | |
| DB | 4 "NBKOL F" Y G'5, %M47 80% "5, %, 6 . 9M4(=M &9M., " e @ABC & \$%8%\$ 33" 9" Y%="6, " BKOL %\$ "d(&'M96, \$ 4(=95 &9%' PBK_L & DLBRM ^{BD} E5& E &59" %5&\$ B_C | |

^{BB} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & P@B- DAC DLB_RM
^{BD} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & PO B- DAC DLB_RM
^{BD} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & BD B- DAC DLB_RM
^{BD@} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & BB 5- DAC DLB_RM
^{BDA} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & BK 5- DAC DLB_RM
^{BDU} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & BZ@ 5- DAC DLB_RM
^{BDD} 3"\$\$) H "6 , 6 . 4?; \$ G'5, Y"3\$) & BZ 5- DAC DLB_RM

| | | |
|----|--|--|
| | , 9 & \$ P3. (-&R | E3395 =9" ., "C ?&\$ |
| | | E?28 H_BM]C 7"\$" 9 " %BBDC BBDEC \$ BBDH %5&\$ BLOM |
| DD | F" Y G'5, %6 ,/ BKOL J, 1 M47 8 - % \$. 9M4(=M &9M., " e @ABm \$5,/39"& \$ \$ 55"%8=9" %& ,6 3,%& BKOL 9"EX28 H_BM]C 47 8 "5, %MPBKOLNDBLRM | \$& \$ 9 3,95"% |
| D | G'5, %& T 5Y ? 9)" \$ G'(% 43"M47.89M4(=M &9M., " e @ABm 5,(9 \$,& "\$&6: &" 9,5 &\$C 5- 5& %85%4\$ 80%\$& \$ 9 3,95"%M %8"565 &\$%6, "(% 33" \$%& 99" ="6, C BKOL PBKA@NDBLRM | |
| D@ | ; & \$ 43"9\$" ?(" : ?-""&% \$ &" 7",) 3-5 9M4(=M &9M., " e @ABC \$6, / &\$?:%&/ Pa7 ?bRM /3, &\$& 33"9\$" \$ 47 80%\$& \$ 9 3,95"% & \$ 47 80%7 ? %" ,,\$,(% \$ \$5,/39"&C \$ /\$%"%6"&C \$59(\$) & "9 & "8 33 %8"565 &\$%C 33" / \$(6 5& " C "(% ,6 33"C 1"9 5- 5& %85 , % /9""88""8C 33" 9,5 &\$C 2E 4C 3,3(9 &\$%\$" &" 33"C \$,&" %PBKO@ & DLBRM | |
| DA | ; & % \$ \$&) & 2 \$)"/"\$& C/Y 2, "9M. 9M4(=M &9M., " e @AB 47 8 & \$ "5, % " \$5,/39"&C \$ 55(&C \$ \$ "d(&C / Y\$) 47 80%\$&) & / \$)"/"\$&/, "9C \$ &" 5 &5 9 3 , & &\$,6 33"9\$" %Y & &%&" 3 , (5&,6 &" /, "9 \$5,/39"&C \$ 55(&C \$ \$ "d(&MP S N R ^B | |
| DU | 2%8\$) G'3, &6, BK] ["9 J 9("M47 8 9,%& 9M4(=M &9M., " e @ABm &" "3, & ,5(/"\$88) "3 ,6 9" Y,\$ FS"4B_D ?&\$ 4 5&5" "%988) 6 ,/ / \$(6 5&(\$) "6"5&\$ &" 7"\$" 9 " BBDM 9,\$)& \$ 9 1"9 ,6 &" 33MMP (&S NRM ^B D | |
| DO | 2%8\$) G'3, &6, BKU ["9 J 9("M47 8 6 9": 9M4(=M &9M., " e @ABm &" &\$ BKU_ 1"9 6 9(" "3, & PBKU_ & 47 8 ?&\$ 4 5&5" DLBR ^B - 7"\$" 9 " BBDM | |
| DJ | 7"\$" 9 G'5, %2 \$)"/"\$& ,9 &\$M 47 8 @K . JCC %5&\$ BKDMLK m 1 %/%8\$) %&"\$)& &'& "5, %m/%8\$) 1"9 . 9M4(=M &9M., " e @ABm "5, %m- \$5,/39"&C/%8\$) \$ (395 & f;=96, \$ 4(=95 &9&"% 69"%m/%8\$) 3" &\$) 4 ""86 " G'5, %m/%8\$)G//%8\$ 7"\$" 9 " % BBDC BBDEC \$ BBDHC | |

- ^{BJ} 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & BJB 5- DAC DLB_RM
- ^{BK} 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & BD@ 5- DAC DLB_RM
- ^{BL} 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & BL 5- DAC DLB_RM
- ^{BB} 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & B2@ 5- DAC DLB_RM
- ^{BD} 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & B3D 5- DAC DLB_RM
- ^B 3"\$) H "6 ,6 .4?; \$ G'5, Y""3\$) & BCB 5- DAC DLB_RM

| , 9 & \$ P3. (- &R | | E3395 =9" ., "C ?& \$ |
|--------------------|--|-----------------------|
| | <p>\$ 55(&'C " , \$", (%C \$ \$5, /39" &' 7 ? & %5& \$ BLOm \$ E?28 6 "d("\$&9: 6 9" & (% 5, \$%' &' %&/" 7 ?, " H_BM]M 9("m- \$5, /39" &' 9" Y "5, %m/%&\$) @K . JG %'5& \$ BKDMUBK5R 33"9\$ " -%& : 69"%m/%&\$) \$ \$5, /39" &' G'5, %& & ?-, 1 G'(% 43"m/%&\$) \$ \$5, /39" &' 2" & 99() 5 9 G'3, &'m \$ % =%& \$ G'5, %2 \$) / "\$& PBKAANDBER</p> | |
| DK | <p>G'5, %G'&'&\$&\$, 9 & \$M47 8 6 9" & PF" Y ?(" : 2 3%R @K . JG "& \$ F" Y ?(" : 2 3%PE3 9 BUC DLBL & %'5& \$ BKDMLKC \$. 9M ?"3&'/" KC DLBLRm FS" 4 & , 9 G'3, &' 4(=M &M. , " e @AB P?"3&'/" BC BKU@(\$&9 ?"3&'/" KC DLBLRm FS" \$%&"5& \$ G'3, &'PE3 9 U BKK@(\$&9 ?"3&'/" PF\$ 4 & , 9 G'3, &'R E?28 DLBLRm 4 "%& " T"%& G'5, %PE3 9 U BKK@(\$&9 PBM]m @K . JG BKDMLKm ?"3&'/" DLBLRm T \$%&\$ FS" \$%&"5& \$% %'5& \$ BLO , 6 7"\$ 9 P?"3&'/" BC BKU@(\$&9 ?"3&'/" DLBLRm J 9(" % BBDC BBDEC BBDHm \$ T, ., /39: [& ?"565 G'5, G'&'&\$&\$M 47 8 . 9M4(=M &M. , " e @AB 9% 6 9" & 6, 99, 1 , 1\$ "5, "&'&\$&\$ "d("/"\$&' PBKAANDBER</p> | |
| | <p>PF\$ " \$%&"5& \$ G'3, &'R E?28 H_BM]m @K . JG %'5& \$ BKDMLKm \$. 9M 4(=M &M. , " e @AB</p> | |
| | <p>P4 "%& " T"%& G'5, %R E?28 H_BM]m @K . JG %'5& \$ BKDMLKm \$. 9M 4(=M &M. , " e @AB</p> | |
| | <p>PT \$%&\$ FS" \$%&"5& \$R E?28 H_BM]m @K . JGC %'5& \$ BKDMLKm ., // %&\$ 7"\$ 9 " % BBDC BBDEC \$ BBDH %'5& \$ BLOm \$. 9M4(=M &M. , " e @AB</p> | |
| | <p>PJ 9(" & 5, /39: 1& %&"565 "5, "&'&\$&\$ "d("/"\$&'R @K . JG BKDMB_P5RC . 9M4(=M &M ., " e @ABC 7"\$ 9 " %</p> | |

B@ 3"\$) H "6 , 6 . 4?; \$ G'5, Y"3\$)
B.A 3"\$) H "6 , 6 . 4?; \$ G'5, Y"3\$)

& BR2 5- DAC DLB_RM
& BR2 5- DAC DLB_RM

| | , 9 & \$ PP3. (- &R | E3395 =9" ., "C ?& \$ |
|---|---|--|
| | | BBDC BBDEC \$ BBDH %'5&\$ BLOC E?28 H BM C \$ 47 8 \$&' \$ 9 "d("/"\$&M |
| L | &" E99)" ? 6"& g43"9\$" \$&') & , 9 & \$%9M4(=M &9M., " e @AB 47 8 (%& " 1 , \$) : " % \$ (33" 9/ & \$ &% 7 %43"9\$" G'39 5"/"\$& 4 ,) /m&%\$6" , "5, %- \$ /3 5& , \$ 3 " 5&\$) " &d(Y" /)"m \$ 47 8 - \$ "d(&' 9" Y "5, %M PQQU :(. Q S R ^{BU} | |

H2 K AD & 9 T AE2 A 6 .)) 5) U UW 7

| | , 9 & \$ PP3. (- &R | E3395 =9" ., "C ?& \$ |
|---|--|---|
| B | 47 8 5- \$)" 59 %9, 5 & \$%1&, (& 59 %9, 5 & \$%1&) | @K : JG e BKMLK |
| D | 47 8 \$, & 5, \$6 / , "% 2E 4 6, 99, 1\$) 59 %9, 5- \$)"M | @K . JG e BKDMBB |
| - | 47 8 \$, & 3 , " 5, \$&\$(\$) % "99 \$5" , \$ %)/"\$&% , 3" &\$) &) " &' & \$ DLt ?2WC "%9&\$) \$ (\$, =%" " 59 %9, 5- \$)"% | @K . JG e BKDMB_ |
| @ | 47 8 , 3" &' %)/"\$&% & 3 "%9("%) " &' 99, 1" 6, &" 5("\$& 59 %9, 5 & \$ | @K \$JG e BKDMBK |
| A | 47 8 \$, & 3 & , 9 &%33"9\$"M | @K . JG e BKMLA |
| U | 47 8 \$, & "& \$ 33"9\$" 3 & , 9 "5, %6, "d(%&' 6" : " %M | @K . JG e BKMLK |
| O | 47 8 \$, & 6, 99, 1 &% , 1\$ 3 , 5" ("%M | @K . JG e BKDMB_P5R |
|] | 47 8 , 3" &' %)/"\$&% =, " 2E 4M | @K . JG e BKMBLOC . 9M4(=M &9M., " e @AB |

)T)-

. 2 A 14H2 6 I2 2 S EE A 4 F46HBA & 9

? \$ H (\$, C \$ \$&' "\$, \$ & %/ &&' C "d&'&&'& , // % \$ / 3, %

6\$" , 6 cBMDA =99, \$, 99 % \$ & " & "" 5&\$%9 , 5"" \$) %M E55, \$) & & "

&'&&, \$: \$ & "% 3 , 5"" \$) %C & % / , (\$& % 9; (47 80%5, 3, &' 3 , 6&%6, , \$9:

^{BU} 3"\$\$) H "6 , 6 .4?; \$ G'5, Y"3\$) & I2 5- DAC DLB_RM

^{BO} _CLUD && 9 , 9 & \$%m%" .4?; 3"\$\$) H "60"&BD & 3MA]M

(

, \$" : " ^{Bj} M E55, \$) & & " "5, C & %6\$" %%%& \$ & " (& ^{BK} M E cBMDA
=99, \$ 6\$" %%%665"\$&: 3(\$&' & %' " %"66"5&' \$ (5"/"\$&6, 47 8 \$
"" : , & " "\$%& N 1\$" (& & \$. 96, \$ \$& " \$&' ?& &' %& "9" &' %6"&
," 3 , 6& \$ "I"5(&' 5, /3"\$%& \$M T-" 5&%, 6 ? \$ H (\$, \$ & " 5& "\$%, 6
. 96, \$ - " "" :) - & & "I3"5& & %., // %& & , \$, 9" %&M

SI4 . BBE QFE4 (432E 2 2 BBA 6) HA6 DA AS EE A
4

. 96, \$ 4(=95 & &' %., " %'5& \$ DBL@A \$, // %& \$; "5% \$ KJ NBDN
LOA), " \$ & " ., // %& \$0% %&' %&' "\$& , 6 3"\$ 9&' %& % / & &' M?"5& \$ DBL@A
3 , "% \$ "9" \$& 3 &

ES: 3"\$ 9& 6, , 9 & \$, 6 \$: 3 , % \$, 6 & & 5 , 6 \$: (9"C
") (9 & \$C) "\$" 9 , " C , , " , 6 & " , \$C / \$, %&) %6"&
& \$ %6, 33"9\$" 6 59&' % , & " & \$% , & & % \$ & " ?& &' , 6
. 96, \$ / : =" 5, /3 , /% =: & " 5, // %& \$q

q \$ "&' / \$ \$) & " /, (\$& , 6 %5- 3"\$ 9& C , /, (\$&) "" (3, \$ \$
5, /3 , /% C () : . & . - (& 34) : ((& () -3 -& () &
() : . & 4) . 8 ; () 8. 0- (& () 0- & (() & 8&& ; - () & ()
: . & 4) . 8 ; - ((: (- 8 (& 4) - 0 4& : (- . 4 & --4 (- & &
0- & (- &) 4& MP" /3- %& " R

T-%& & & : / \$ &' %5, \$%&' \$& 1& & "39" %5& " ., // %& \$ "9" %

(3, \$ & "%& =9% 6\$" %C % "%& =" \$; "5" NBDN LOA

PBR T-" 6\$ \$5 9 "% (5" % , 6 & " (& & C
PDR T-" %" & , 6 & " , 66" %& C
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Figure 10: Precedent Fines / Penalties³⁴

| Event | Event Date | Total Penalties (\$MM) | Commentary |
|--|-------------------|------------------------|--|
| UGI Corporation Allentown, PA | February 9, 2011 | \$0.4 | Gas leak and explosion; loss of five lives and three serious injuries |
| Kleen Energy Plant Middletown, CT | February 7, 2010 | 16.0 | Plant explosion during natural gas pipeline purging; loss of six lives and fifty injured |
| PG&E Corporation Rancho Cordova, CA | December 24, 2008 | 38.0 | Natural gas leak and explosion; loss of one life and five injuries |
| Dominion Peoples Nat Gas Company Plum Borough, PA | March 5, 2008 | 0.1 | Natural gas pipeline explosion; loss of one life and one serious injury |
| Public Service Enterprise Group Bergenfield, NJ | December 13, 2005 | 0.4 | Pipeline rupture and explosion; loss of three lives and five people hospitalized |
| El Paso Corporation Carlsbad, NM | August 19, 2000 | 101.5 | Natural gas pipeline rupture; loss of twelve lives |
| Olympic Pipeline Company Bellingham, WA | June 10, 1999 | 28.5 | Pipeline rupture and ignition; loss of three lives |

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