

!"#\$%&'()*+,-./:0123456789

Q\$!2#@!

!

2@--*J@B@3!^*./,! 2

2#@P!Q\$!R&' &(\$\$!"-,+,-=*J,!./J#,-+!B./-1*1D!.O!./J#!1C!C,=,BOW*1D!./J#,-!*C,1.*.>!*1!/!. /J#,-!
-,+*C,1J>\$!54I%6\$+7(23''%I-\$\$. +<(@JRESP!&);F&NZS!
#..W+4XXCO*\$O-DX('\$('N'X('YH)&('\$&'&'\$(H&Y;EY!!
2#@P!Q\$!R&' (;\$\$!O#./!/-,!#,>!. /B8*1D!/\0@.!T#,1!#,>!. /B8!/\0@.!_@*.>U!6!J01.,1./1/B>+*+!0?!
,_@*.>!W-*1J*WB,+!/1C!W-0=*+*01+!1!+./.!I=,->!: .@C,1!:@JJ,,C+!6J.!WB/1+\$!23''%I-\$\$. +(

Q\$!2#@!

!

2@--*J@B@3!^*./,! 4

9 / ;! * I J ! K ! O , , 3 + P ! 6 \$! R & ' & & P ! 9 / - J # S \$!

O / 1DP! O\$P!K!9 / ; *I!J!R&' (; P! 6W-*BSS!IE. +, . #, (. > \$+34E4+34+(-41%64#(E#4E1#I-\$. +(E#. 7#I ' , A(M
 +4-W. #V(I+I&L, \$, \$!gO@1C./\B, !W/W, -!W-, +, 1., C!/.!#, !&' (; !6 3 , -*J/1!IC@J/. *O1/B!
 g, +, /-J#!6++OJ*/.*O1!611@/B!9 , , *1DP! [0-01.OP!2/1/C/\$!
 9 / ; *I!J!K!O / 1DP! O\$R&' (; P! 6W-*BSS!5. WI#3, (I(%&"#I&&L(, ", -I\$+\$+7(' 4+- . #, 6\$E(>. #(%&"#I&&L(
 3\$N4#, 4(>I%"&-L(' 4 ' ; 4#, (\$+(6\$764#(43""%I-\$. +C!" /W, -!W-, +, 1., C!/.!#, !&!)E\$%!611@/B!
 201?, -, 1J, !O?!.#, !203 W/-/. * =, !/1C!L1., -1/. *O1/B!IC@J/. *O1!:OJ*, >P!: /1!A-/1J*+JOP!2 6\$!
 O / 1DP! O\$P!K!9 / ; *I!J!R&' (; P! 6W-*BSS!^+4(, -4E(>. #WI#3<(-W. (, -4E, (; I%VZ(M(%#\$-\$%I&(I+I&L, \$, (. >
 !6\$+Ie, (+4W(+I-\$. +I&(%##\$%"&" ' C!" /W, -!W-, +, 1., C!/.!#, !&!)E\$%!611@/B!201?, -, 1J, !O?!.#, !
 203 W/-/. * =, !/1C!L1., -1/. *O1/B!IC@J/. *O1!:OJ*, >P!: /1!A-/1J*+JOP!2 6\$!
 ^ / @aP!V\$P!g*C, / @aP! [\$P!K!9 / ; *I!J!R&' (NP! 9 />SS!M3NI+%\$+7(, -"34+-, (. >(% . &. #, ("%4, , A(
 : +34#, -I+3\$+7(% . +-\$; "-\$. +, (. >#I%\$I&&L(I+3(4-6+\$%I&&L(3\$N4#, 4(-41%64#(E. E"&I-\$. +, (\$+(
 d. #64I, -(9. "\$, \$I+I\$!"O+, -!W-, +, 1., C!/.!#, !E(#!611@/B!V/. *O1/B!201?, -, 1J, !O!g/J, !K!
 I.#1*J*.>!1!6 3 , -*J/1!k*D#, -!IC@J/. *O1P!V, T! j -B, /1+P!G6\$!
 ^ / @aP!V\$P!9 / ; *I!J!R&' (NP!5/1@/->SS!54# ' \$+I-\$+7(-4+ "#4[-#I%V(' L-6, A(O4>&4%-. +, (># . ' (#4%4+-&L(
 6\$#43(-4+ "#4[-#I%V(E#. >4, , . #, C!" /W, -!W-, +, 1., C!/.!#, !&!)E\$%!611@/B!k/T/**!L1., -1/. *O1/B!
 201?, -, 1J, !O!IC@J/. *O1P!kO1OB@B@P!kL\$!
 O / 1DP! O\$P!K!9 / ; *I!J!R&' (HP! 6W-*BSS!K#. >4, , \$. +I&(\$34+-\$-L(34N4k. E ' 4+-(. >("\$+N4#, \$-L[; 1, 43(
 -41%64#(43""%I-. #, (\$+(!6\$+I\$!" /W, -!W-, +, 1., C!/.!#, !&' (H! 6 3 , -*J/1!IC@J/. *O1/B!g, +, /-J#!
 6++OJ*/.*O1!611@/B!9 , , *1DP! : /1!61.O1*OP! [f\$!
 O / 1DP! O\$P!K!9 / ; *I!J!R&' (HP! 9 /-J#SS!K#. ; &4 ' I-\$c\$+7(\$34+-\$-4, (. >("\$+N4#, \$-L[; 1, 43(-41%64#(
 43O!W#-!W-, #O..O!/.!#, !&!(

2#@P!Q\$!R&' (ZP!6W-*BSS!564(E. &\$-\$%, (.>#4E#4,4+-I-\$. +A(564(E. #-#1LI&(.>(4-6+\$%(' \$+ . #S-\$4, \$(+
!6\$+4,4(4&4 ' 4+-I#L(, . %\$I&(-"3\$4,(-4X-; . . V,\$!g0@1C./\B,!W/W,-!W-,+,1.,C!/!.#,!&' (Z!
6 3 ,-*J/1!IC@J/. *O1/B!g ,+ ,/-J#!6++OJ*/. *O1!611@/B!9 , , *1DP!2#*J/DOP!LG\$!
2#@P!Q\$!R&' (ZP!6W-*BSS!*+4#+I-\$. +I&(299(% . &&474(-"34+-,(% . + , -#"-%(\$34+-\$-4, (I, (W#-\$4#, (-6# . "76(
I(W#-\$+7(% . +>4#4+%4(E# . 7#I ' \$!g0@1C./\B,!W/W,-!W-,+,1.,C!/!.#,!&' (Z!6 3 ,-*J/1!
IC@J/. *O1/B!g ,+ ,/-J#!6++OJ*/. *O1!611@/B!9 , , *1DP!2#*J/DOP!LG\$!
2#@P!Q\$!R&' (ZP!9 /-J#SS! Y6 . ,4(V+ . W&4374(\$, (NI&"43Z(M(%#S-\$%I&(I+I&L, \$, (.>(-64(#4E#4,4+-I-\$. +(.>
4-6+\$%(' \$+ . #S-\$4, \$(+(!6\$+4,4(, . %\$I&(-"3\$4,(-4X-; . . V,\$!" /W,-!W-,+,1.,C!/!.#,!Z;"!611@/B!
201?,-,1J,!O?!.#,!203 W/-/. * =, !/1C!L1 . , -1/. *O1/B!IC@J/. *O1!:OJ* ,>P!O /+#*1D.O1!%\$2\$!
9 / ;! I\$P!k /BW*1P!5SP!K!9 , J8? , ++, BP! : \$!R&' (YP!9 /-J#SS!Q4&\$: 4#1-4&L(% " &-SNI-\$+7(. E4++4, , (- (
&\$+7"\$, -\$(3\$N4#, \$-LA(O4[4+N\$, \$. +\$+7(-" . #(\$#S+7(E# . %4 , , 4, \$!O0-8+#OW!W-,+,1.,C!/!.#,!
&' (Y!L1 . , -1/. *O1/B!O-* *1D!2, 1 . , -!6++OJ*/. *O1!20BB/\O-/. * =, !/!201?,-,1J,!O!20BB, D, !
203 WO+* . *O1!/1C!203 3 @1*J/. *O1P!L1C*/1/WOB*+P!LV\$!

*

@?NCFG6H*

O , , 3 +P!6SP!K!9 / ;! I!J!R&' &(P!VO=, 3 \ , -SS!94N4#17\$+7(K!Fh(EI#-+4#, 6\$E, (I+3(I(\ # . W(J . "#(^W+(
#4#/"\$- ' 4+(- ' . 34&(-. (\$+%#4I,4(I+3(3\$N4#, \$L(-64(-41%64#(W.#V> . #4\$)" /W,-!W-,+,1.,C!/!.#,!
Z'!"!611@/B!9 , , *1D!O?!.#,!9 *CF:0@.#!IC@J/. *O1/B!g ,+ ,/-J#!6++OJ*/. *O1P!V, T!j -B, /1+P!
G6\$!
2#@P!Q\$!R&' (NP!VO=, 3 \ , -SS!04+- . #S+7(E#I%-S%4, (.>' 4+- . #(-41%64#, \$(+(I(LA1#[& . +7(-41%64#(
#4, \$34+L(E# . 7#I ' \$!" /W,-!W-,+,1.,C!/!.#,!YH!"!611@/B!9 , , *1D!O?!.#,!9 *CF:0@.#!
IC@J/. *O1/B!g ,+ ,/-J#!6++OJ*/. *O1P!" , 1+ /JOB!/7 , /J#P!AG\$!
9 , 1DP!%\$P!5O1 , +P!2SP!" *1D- , >P!1 P!h*@-J/P!9 SP!9 / ;! I!J!K!2 / 3 W \ , BBP!G\$R&' (ZP!j J.O \ , -SS!
O4>&4%-\$+7(. +(#4&4%-\$+7A(Y6I-e, (-64(NI&"4(.>#4&4%-\$N4(W#-\$+7(\$+(W#-\$+7(-" . #(
34N4& . E ' 4+Z!" /1, B!+>3 WO+*@3 !C, B* =, -, C!/!.#,!&' (Z!50*1!201?,-,1J,!O?!.#,!"/J?*J!
VO-#T, +!O-* *1D!2, 1 . , -!6++OJ*/. *O1!/1C!.#,! [TOFQ, /-!20BB, D, !I1DB*+#!6++OJ*/. *O1!O?!
.#,!" /J?*J!VO-#T, +.P! : W08/1, P!O 6\$!!
2#@P!Q\$!R&' (&P!A, \-@/->SS!j "4, -\$. +[I, V\$+7(;46IN\$. #(.>(!6\$+4,4(7#13"1-4(-"34+-, \$(+(I+(
M ' 4#S%I+("/+\$N4#, \$-LA(M%I,4(-"3LS!" /W,-!W-,+,1.,C!/!.#,!EZ!"!611@/B!9 , , *1D!O?!.#,!
:0@.#T, +. !IC@J/. *O1!g ,+ ,/-J#!6++OJ*/. *O1P!V, T!j -B, /1+P!G6\$!

*

') 2'&! " * + , ! . !) & % & ' () . * 3 * 4 (, 5 . 6 (+ . * * * * * *

CG4?@G64CFG6H*6GD*G64CFG6H*

2#@P!Q\$!R&' &EP!A, \-@/->SS!O4-6\$+V\$+7(,%6 . . &["+\$N4#, \$-L[% . ' ' "\$-L(EI#-+4#, 6\$E, (-. W1#3, (I(-6\$#3(
, E1%4(>#1 ' 4W.#V(\$+% . ' E1#I-\$N4(#4, 41#%6(. +(-41%64#(E#4E1#I-\$. +\$)" /W,-!W-,+,1.,C!/!
W/-!O?!.#,! \008!B/@1J#!W/1, B!54I%64#(23"%"I-\$. +(*+-4#, 4%/--\$+7(! . ' E1#I-\$N4(I+3(
*+-4#+I-\$. +I&(23"%"I-\$. +A(O4N\$, \$-\$+7(O4, 41#%6<(K. &\$%L(I+3(K#I%-S%4(\$+(5W\$+(I%6 . &I#, 6\$E(
8\$4&3, (/!.#,!)H!"!611@/B!201?,-,1J,!O?!.#,!203 W/-/. * =, !/1C!L1 . , -1/. *O1/B!IC@J/. *O1!
:OJ* ,>P!O /+#*1D.O1!%\$2\$!
2#@P!Q\$!R&' &&P!VO=\$E ' M% , J\$!(SS! ! . +%4E-"I&\$c\$+7(43"%"I-\$. +I&(4b"\$-L!L1+.*@.,!O?!
IC@J/. *O1!:J*, 1J, +! [, J#1*J/B!O0-8*1D!h-0@W!^*-.@/B!9 , , *1D!4!7, +.!" -/J.*J, +!/1C!
2# /BB, 1D, +!O-!I 3 \ , CC*1D!I_@* .>!1!IC@J/. *O1!g ,+ ,/-J#\$!
6 6 2 [I!hBO\ /B!% =, -+* .>!" -OD- / 3 3 / *J!6C=*0->!203 3 * . . , \$!R&' &&P!9 /-J#SS! \ & . ; I&(Q\$N4#, \$-L(
94I#+\$+7(9I; \$! : , +*O1!W-,+,1.,C!/!.#,!HY!"!611@/B!9 , , *1D!O?!.#,!6 3 , -*J/1!6++OJ*/. *O1!
O?!20BB, D, +!O-! [, /J#, -!IC@J/. *O1P!V, T!j -B, /1+P!G6\$!R%-!2#@!+, -, C!O1!.#, !J0 3 3 * . . , !
\ , . T, , 1!&' &(!/1C!&' &&S\$!

[!1\$!k0!R:@33,-!&'&ESMI-"3L(.>I(34N4&.E\$+7(E#.>4,,\$.+I&(4I#+\$+7(%.'''"+\$-L(.>4b"\$-L['\$+343(43""%I-.#,(

1\$!2\$![O-/B\!R:W-*1D!&'&ESM O "&-\$%"&-"#I&(%. 'E4-4+%4(I+3(%&-"#I&&L(#4,E.+, \$N4(-4I%6\$+7(.>I(-#I+,+I-\$.+I&(%""##\$%"&"' '\$+(56I\$&I+3!

9\$!2\$!70>.,!R:@33,-!&'&&SM2XI '\$+\$+7(E#1%-\$-\$.+4#(I+3('4+-.#(-4I%64#,dE4#%4E-\$.,(I;."(-64('\$E1%-(.>(-I-4['I+3I-43('4+-.#\$+7!

9\$!6\$!V/18*1!R:@33,-!&'&&SM :+1EE43(&4I34#,6\$EA(2XE&.#\$+7(-64(>I%-.#,-6I-(%. "&3(\$+&"4+%4(2I^9(-4I%64#,d34%\$,\$.+(-.(E"#,"4(I,,\$-I+-(E#\$+%\$E1&(E.,\$-\$.,(

9\$!9\$!^/B,1.*1!R:@33,-!&'&&SM9I-\$+X(M'4#%I+(-"34+-,(I+3(-64(29M(%""##\$%"&"'A(!."+4#,-.#\$4,(I,(%"##\$%"&I#(#4,E.+,4(

O*11,-!O?!.#,!&'&E!50#1!G/+8!/!j@.+/1C*1D!%*+,-./.*01!6T/-C*1!.#,!

2@--*J@B@3!J/.,DO->P!63,-*J/1!6++0J*/.*01!O-![,/J#*1D!/1C!2@--*J@B@3(

2\$!I\$!G01C01!R:W-*1D!&'&&SM564(%IE\$-I&(>.#',(7IEA(2XI '\$+\$+7(-64(#.&4(.>(:CIC(E";&\$%(/,%6..&\$+7(\$+(/.+-4'E.#I#L(3\$,EI#\$-\$4,(;4-W44+(6"'I+(%IE\$-I&(I+3(%IE\$-I&(W+4#,(

G\$!V/>O!RA/BB!&'&(SMM(%I,4(-"3LA(U.W(-64(",4(.>"+3,(.>(V+.W&4374(W\$-6('I-64'I-\$%I&&L(7\$>-43(I&I%V(I+3(9I-\$+X(-"34+-,(,\$(\$+&"4+%43(;L(E4.E&4<(E.&\$%\$4,(I+3(%""##\$%"&"'!

G\$!Q0@1DF70T*,!R:W-*1D!&'&'SM!"##\$%"&"'('.>(%.'EI,,\$.+A(K4#,E4%-\$N4,(.>(-4I%64#,(I+3(I3'\$+\$,-#I-.#,(.+"-\$&\$c\$+7(I(-#I"'I[,4+,\$-\$N4(43""%I-\$.(' .34&!

6\$!6B,a/1C,-!R:W-*1D!&'(;SM

Q\$!2#@!

!

2@--*J@B@3!^*./,!12

,!..!%, \$6* : !&6 (". * * * * * * * * *

o@/B*./.*=,!g,+,/-J#!9 ,.#OCOBOD>!R6 [G6 :\$!.*S!

201.,1.!61/B>+*+!

9*a,C!9 ,.#OC+!g,+,/-J#!R: " : :p!gp!9 6 f o % 6S!