

" #!\$%&' ( ) \*%+!, (-%./!/0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-(!13456!

!

!"# \$%&' ( ) \*%+' \$#

#

\$%&' ( ) \*%+!>!8' &\*!+' !' ?&! ) .>>' %!-%@!.) 1' &+-%+!+' !+9\*!?!%.A\*>.+BC!D.%-%8.-(!9\*-(+9E!  
F -%./!/!>+~\*!>?11' &+!9->!( \*@!" #!+' !&\*(B!' %!>+?@\*%+!\*%&' ( ) \*%+>!--%@!+9\*!->>' 8.-+\*@!+?.+' %!  
&\*A\*%?\*>!2.%-%8\*>!-->.\*!<" #C!>!--; .(.+B!+' !-++&-8+!&\*+-.%!--%@!/&-@?~\*!#(->G-%>!.>!8\*%+&-(!+' !  
+9\*!?!%.A\*>.+BC!H.+9!

8\*&+-.%!

\*DD' &+>!) ' &\*!@\*A\*( ' 1\*@!--!' %\*!' &! ) ' &\*!8-) 1?>\*>E!M\*8-?>\*!' D!+9.>+9\*!?!%.A\*>.+.\*>C!  
&\*>1' %>\*>+!' !+9\*!.%D' &) -+.' %!+9-+!D' (( ' H>!H.(!; \*!@.8+~\*@!; B!H9\*&\*!+9\*B!-&\*!' %!+9.>!  
8' %+.???) E!2' &!\*N-) 1(\*!<" #2!9->!--(&\*--@B!8' %> @\* &\*@!.+!\*%&' ( ) \*%+!/' -(>!D' &!+9\*!\*N+!D.A\*!  
B\*-&>E!L9\*!+.) \*!+9\*B!\*%\*@!+' !@\*A' +\*!+' !+9.>!8' ) 1' %\*%+!H.(!; \*!( \*>+!+9-%!1\*&9-1>!" ##!--%@!  
" #7E!7.) .(-&(B!<" ##!9->!/ .A\*%!+9' ?/9+!+' !9' H!+9\*B!) ./9+!' &/-%.0\*!+' ! ) -N.) .0\*!+9\* .&!DD' &+>!  
-+!) -%--%./!/!+9\* .&!\*%&' ( ) \*%+>!--%@!" #7!9->!1&' A.\*@!

" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\*\$+, "!!2-(!13456!

!

!!"#, -\$-&. /#012-&3. %+ '\$2#

!

- \$%&' ( ) \*%+!-+!-%B!?%.A\*>.+B!.>!-!( ' %/!+\*& ) !.>>?\*E!" %.A\*>.+.\*>!@' !%' +!/-.%!' &!@' !  
+9\*B!( ' >!\*%&' ( ) \*%+>!' A\*&%. /9+!R' >>\*>!' D+\*%!9-11\*%!' A\*&!->?>+-.%\*@!1\*&.' @!' D!  
+.) \*!D' &!-!A-&.\*+B!' D!8' ) 1(\*N!-%@!>' ) \*+.) \*>!.%+\*&8' %%\*8+\*!&\* ->' %>!R' >>\*>!8-%!  
' 88?&!- ) ' %/!>' ) \*!>+?@\*%+!>\*/ ) \*%+>!; ?+!' +! +9\*&>E!#+" #' A\*&-((!%&' ( ) \*%+!  
@\*8(.%\*>!9-A\*!; \*\*%!' ; >\*&A\*@!>.%8\*!D-(!13455E!U\*+<' A\*&!+9.>!.+.) \*!+9\*&\*!9-A\*!; \*\*%!  
.8&\* ->\*>!.%!'>' ) \*!>+?@\*%+!1' 1?(-+. ' %>!+9\*!2-.&; -%G>!8-) 1?>!9->!.%8&\* ->\*@!  
9\*-@8' ?%+!; B!-( ) ' >+!Q

!

" #!\$%&' () \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' () \*\$+, "!!2-(!13456!

!

!!!#4' 56' \$-\$%2#%' #' \$2+(-&#\$\$#. 56)2#-\$&' //5-\$%#6/. \$2#

!

7"# 8-%%+\$9#-\$&' //5-\$%#9' . /2"!!" %A\*>+. \*>!) ?>+!9-A\*!H\*(!@\*D.%\*@!/' -(>!D' &!\*%&' () \*%+!  
; \*D' &\*!.%A\*>+.%/!+. ) \*!-%@!&\*>' ?&8\*>!' %!+9\*.&!\*%&' () \*%+!>+&-+\*/.\*>[!L9\*!1&\*A-.(%/!  
+\*) 1+-+. ' %!.>+! ' !; \*/.%!\*%&' () \*%+!1(-%%.%/!-+!9\*!+-8+.8-(!>+/\*[!F 9\*%!\*%&' () \*%+!@\*8(.%\*>

" #!\$%&' () \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' () \*\$+, "!!2-(!13456!

!

-@) .%.>+&-+' &>' %!+9' >\*!+\*- ) >[!L9.>!.>!(>' !-!+. ) \*!

d

7-.89.! : ; -<#=#, <7\$7!  
!





" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-((!3456!

!

.%+-G\*!1&' 8\*>>!%!-%!\*DD.8.\*%+!-%@!1&' D\*>>.' %-(!) -%%\*&!!L9.>!9./9!+\*89!' &!9./9!+ ' ?89!  
^\*\$(\*'3%)3!-11&' -89!%!+9\*!%.+.-(!\*%/-/\*) \*%+!H.+9!+9\*!>+?@\*%+!H' ?(@!-%>H\*&!+9\* .&!  
P?\*>+.' %>+-@&&\*>>!8' %8\*&%>+-%@!>' (A\*!' %; ' -&@.%/!.>>\*>E!!L.) \*!) ./9+!; \*!+9\*!) ' >+!  
1&\*8.' ?>!8' ) ) ' @.+B!+ ' !8' %>.\*&!H9\*%!H' &G.%/!H.+9!+9\*!&\*+?&%.%/-@?(+!>+?@\*%+!L' !  
D.%@!>1\*8.-(.0\*@!%.+G\*!+&-.%./! #!) ./9+!( ' G!+ ' !.%@?>+&.\*>' ?+>.\*!' D!9./9\*&!\*@?8-+.' %!  
>?89!->!9' >1.+-(.B!' &!; -%G.%/E!!

!

#%!\*N-) 1(\*! D!-!H\*; !>.\*!@\*>./%\*@!+ ' !9\*(1!&\*+?&%.%/!>+?@\*%+>!8-%!; \*!D' ?%@!9\* &\*S!  
( ' ) \*(' A!11(' (+%A' !4)@ \$0%PP!5>` @!D(' &+9?%+T50005000TmT21Tf[ +T50-0.2(1(!0050000TmT21Tf(( ' ) 02)  
! [9++1>SaaHHHf+%\\*8' %%\\*8+/' Aa!](#)

!

3E C&. \$2E- &# ' E#\* &- (+%M#\* &- (+%#E' &#6&+ ' &#/- . &\$+\$9#. \$(#-N6-&+- \$\* -"!#@?(+>!H.+9!>' ) \*!





" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-(!13456!

!

-@A.>.%/!-%@!D' &!-@A.>' &>!H->!-!+9\*) \*!' D!+9\*!?!%.A\*>.+B!\*%&' ( ) \*%+!>?) ) .+>[!#%!.%A\*>+) \*%+!  
.%!. ( (+%+ '\$. /#. (3+2' &2!+&-.%\*@!.%!+9\*!?!>\*!' D!1&\*@.8+.A\*!+\*89%' (' /.\*>!H' ?(@!9\*(1!" #!; \*++\*&  
>\*&A\*

" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-(!3456!

!



" #!\$%&' ( ) \*%+!, (-%./!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-(!13456!

!

-@) .++\*@!L9?>!->+?@\*%+!-@) .++\*@!+! +9\*!W?>G' GH.) !X-) 1?>!8-%!&?%!H9-+!.D!>8\*%-&.' >!  
D' &!W?>G' GH.) <-!@!-(!'+9\*&!" #2!8-) 1?>\*>[!M?+!+9-+!>-) \*!>+?@\*%+!8' ?(@!%' +!\*->.(B!&?%!  
. -20!'8!>8\*%-&.' >D' &!1&' /&-) >!-+!" ##!' &!" #7!8-) 1?>\*>[!MB!\*N1-%@.%/!+9\*!8-1-; .(+B!' D!  
?3)%33"# \$%&5!+! 18' %>.\*&!-(!@\*/&\*\*\*>!-+!" #<+?@\*%+>!H.(!; \*!-; (\*!+! !\*N1(' &\*!-%@!.@\*%+.DB!  
) ' &\*!' 1+. ' %>!?%@\*&!H9.89!+9\*B!) ./9+!8' ) 1(\*+\*!-!@\*/&\*\*\*!

!

C&.\*K#DP?- . &#9&. ( ) . %+' \$#&. %-2#. \$ (#&-%- \$%+' \$#&. %-2#E' &#. //##/. 22-2# E#E' &5. //?#. (5+%- (#  
(-9&--#2--K+\$9#2%) (-\$%2!" #!-(&\* -@B!+&-8G>!6!B\* -&!/&-@?-. ' %!&-+\*>!-%@!D&\*>9) -%!  
&\*+\*%+. ' %!&-+\*>[!C' H\*A\*&<+9.>!8-1+?&\*>!' %(B!-!1' &+. ' %!' D!+9\*!\*%&' ( ) \*%+!; \*9-A.' &!' D!" #C>!  
>+?@\*%+>[!M\*D' &\*!+9\*!7%.A\*&>.+B!8-%!-@@&\*>>!&\*+\*%+. ' %!-%@!/&-@?-. ' %!H\*!%\*\*@!+! !9-A\*!+9\*!  
@-+!+! !D?((B!7%&\*&>+-%@!9' H!-(! ' D! ' ?&!>+?@\*%+>!D(' H!+9&' ?/9!' &!@&' 1! ' ?+! D!+9\*!>B>+\*) E!

!

C; -#OEE+\* -# E#H\*. (-5+\*#HEE. +&2#

!

" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-(!13456!

!

(' %/!+\*&) !-11&' -89!&\*P?.&\*>!&\*>' ?&8\*><!( \* -@\*>9.1!-%@!1\*&9-1>!) ' >+!' D!-(!-!>+\* -@D->+!  
8' ) ) .+) \*%+!+! !.) 1&' A.%/!-(!->1\*8+>!' D!>+?@\*%+!\*%&' ( ) \*%+!-+!+9\*!" %A\*&.+B!' D!#(->G-E!!

!

O' 3"#7[l#: \7]! L9.>!@&-D+!1(-%!H.(!; \*!>9-&\*@!H.+9!+9\*!8-) 1?>!( \* -@\*>9.1!D' &!.%1?+

" #!\$%&' ( ) \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' ( ) \*\$+, "!!2-((!3456!

!

!

VHHI#VHO#Z#VH8#/+2%# E#6&-/+5+\$ . &?# \$3-2%5 - \$%2#%' # \$ * & - . 2-#- \$ &' //5 - \$%#					
V\$+3-&2+%?#	!\$+%+. %+3-`G-a) -2%#	G-%-\$%+' \$!# G-*&)+%5-\$%# 4' 56/-%+' \$#	H5' ) \$%#	b-&2' \$\$-/#	Y. 2-#

" ##!

\\*A\*(' 1!-!H\*((I  
. %+\*/&-+\* @!-@A.>.%/!  
>+&-+\*/B!+9-+!; ?.(@>!  
D&' ) !&\*P?.&\*@!  
-@A.>.%/a' &. \*%+-.+' %!  
D' &D.&>+!+. ) \*!>+?@\*%+>!

" #!\$%&' () \*%+!, (-%%.%/!0\*1' &+!  
!"# \$%&' () \*\$+, "!!2-(!3456!

!

V\$+3-&2+%?! !\$+%+. %+3-`G-a) -2%! G-%-\$%+' \$!#