



" #\$\$%&'()!(*!(+,- '#(,./(&(),!&%,!012',,%&32,!(*!4 &' 5!.#66,%,'(!,782*#(&(#0,! .5' &4 #9):&' .!'*(!
;1)!(&(!" &%(+&<)!=#',5&%>!

? , (, % / @ , % % 5 !!

AB!C9(!DADDE!FFGHI!&4 !!

!

J2*%# .&!K*0,%' *%L*'!M, / &' (#)<!&((,' (#'N\$,((#' \$!)(1'(O625#'\$!6#6(5!=, ' ,P1,2&'!4#\$%&'!)!6*4!
/ &'!Q'(*'#!(*!' &%(+&<)!=#',5&% . O+&!)3,, ' !R# . ,25!&' .!;1)(#6#&325!9*' . , 4' , .>!S1(E!&!)
6%,T1, '(25!*991%)!#')!19+!9*'(%*0,%)#,)!4*)!(*6!(+*) ,! . *# '\$!(+ ,!9*' . , 4' #' '\$!+&0, !2*)(!&22!
8,%)8,9(#0,>!

M, / &' (#)!#)!&!L,8132#9&'E!)!6,R!*6!+#!4 &' 5!9%#(9)!+&0,!3*(+,% . !(*!9*48&%,!+#!)(1'(!R#(+!
% ,9, '(!4*0,)!35!(R!*M,4*9%&()E!U+#9&\$*!' &5*%V*%#V#\$+(6**(!&' .!W22#'*#)!K*0,%' *%IX>S>!
?%#(P@,%>!Q6(,%! . , '*1'9#'\$!&'*(+,%L,8132#9&'E!Y,7&!)K*0,%' *%K%, \$!Q33*(E!6*%+#!1'#2&(,%&2!
8*2#95!*6!31#'\$!(+*1)&' .)! *6!4#\$%&'()!(*!)&'9(1&%5!9#(#,)!19+!&!)U+#9&\$*!'&' .!Z,R! [*%@E!
V#\$+(6**(!&' .!)?%#(P@,%!,48+&)#P, .!(+&!(+ ,#%!,1%#) . #9(*')!&%,! *8, '!(*)19+!8*812&(#*')!#'
 .#)(% ,))> [,!(+ ,5!(+ ,!8%*9, . . . !(*!4*0,!)#7(5N6*1%=, ' ,P1,2&'!4#\$%&'()!(*!&!+*(,2!#!&'!
1(25#'\$!;1%#) . #9('E!(+ ,! ,71%3&'!9*441'#!5!*6!S1%L# . \$,E!R#(+*1(!' *(#65#'\$!&'5!*6!(+ ,!
66#9#&2)!(+ ,% ,>!Z(!)1%8%#)#'\$25E!(+ ,!4&5*%!*6!S1%L# . \$,E!&!L,8132#9&'!R+*!+&!) ,78% ,) , .!' *!
&' #41)!(*R&% .!(+ ,!4#\$%&'()E!+&!) (% , '1*1)25!9%#(#9#P, .!+#!)6,22*R!,2,9(, .!*66#9#&2)>!

Y+ ,!8*#'(#!)' *!(!&8&%(#)&'!*' ,>!U2, &%25E!' *!' * , O *!' ,#(+ ,%)# . ,!*6!(+ ,!&#)2, O@' *R)!T1#(,!R+&(!(*!
 . *!R#(+E!%!*%E!(+ ,!+1' . % , .)! *6!(+*1)&' .)! *6!4#\$%&'()!' *R!)(% ,&4#'\$!&9%*)! *1!) *1(+ ,%' !3*% . , %>!
X1)!(&!)92, &%25E!#(#!)(#4 ,!(*!)(*8!&' . ! ,7&4#',!*1!&))148(#*')!&3*1!(+ ,!\$*&2)!&' .!4*(#0,)!*6!
(+* ,!) , @#'\$!(*! , '(,%!*1!9*1'(%5>!Q' .!#(#!)9, %(!(#4 ,!(*!)(*8!9&8#(&2#P# '\$!'!+ ,!9+&22, '\$,)!
8* , .!35!(+ ,!% ,9*% .! '143,%)! *6!4#\$%&'()!(*!&@ ,!8*+*!)&!(+* ,)!&4* '\$!*1!6,22*R!9#(P, ')!
R+*4!R, !+&0, !2, &% , .!4*)!(, '(+1)#&)(#9&225!(*!0#2#65>!

Y*!3, \$# 'E!#(#!)9%#(#9&2!(*!&9@' *R2, . \$, !R+&(!R, .! *!' /'#@' *R!&3*1!(+ ,) ,!4#\$%&'(>!W'!% ,)8*') ,!(*!
 . %&4 &(#9!&' .!9*'(%*0,%)#&2!9+&' \$,)!#'(+ ,!#482,4 , '(&(#*'!*6*1!#44#\$%&(#*'!2&R)E!4*% ,!&' .!
4*% ,!#'.#0#.1&2)!&%#0# '\$!&(!*1%)*1(+ ,%' !3*% . , %!&%, !' *!(,9*'*4#9&225!4*(#0&(, .!4#\$%&')!
) , @#'\$!(*! , '(,%)1% ,8(#*1)25>!W') (, & . E!(+ ,5!&%,!8% ,) , '# '\$!(+ ,4),20,)! . % ,9(25!(*!3*% . , !
66#9#&2)!&!)&5214!&882#9&')!6, &%# '\$!6%!(+ ,#%!2#0,)!&' .!)&6, (5>!Q' .!R+#2,!(+ ,!=, ' ,P1,2&')!#'
(+ ,) ,!% ,9, '(!9*'(%*0,%)#,)!&%,!62, ,# '\$!)#(1&(#*')!(+&!(4#\$%+(!T1&2#65!(+ ,4!6*%!,61\$, ,!)&(1)E!#(#!)
6&%!6*4!9, %(&#'(+&!(!&22! *6!(+ ,) ,!91% , '(!4#\$%&'()E!%!,0, ' !4*)!(*6!(+ ,4E!4 , ,!(+* ,)!9#(,%#&>!W'!
&'5!,0, '(E! =, ' ,P1,2&')!% ,8% ,) , '(;!1)!' *' ,!) , \$4 , '(*6!(+ ,!+1' . % , .)! *6!(+*1)&' .)! *6!#'.#0#.1&2)!
6*4!0&%#*1)! '&(#*')!R+*!+&0, O6*%!.#0,%) ,!&' .! *6(, ' !2, \$#(#4 &(, !% , &)*') O3, , ' !&%#0# '\$!&(!*1%!
) *1(+ ,%' !3*% . , %!&' .!9*'(%#31# '\$!(*!(+ ,!9+&*)!&' .!9* '61)#*'!(+ ,% ,>!

C30#*1)25E!# 4 4#\$%&(#* '!*66#9#&2)!6&9,!.&1'(#'\$!.#66#912(#,)!.,(% 4#'#'\$!R+*!&4* '\$!(+,),!
(+*1)&' .)!+&0,!2,\$#(#4 &(!92)!(*!%,61\$,,!)(&(1)! [,(!9* '6*1' .# '\$!(+,!9+&22,'\$,!#)!(+,!
45(+*2*\$5!(+&(!+&!)9*4,!(*!, '0,2*8!*1#!#4 4#\$%&'(!+#)(*%5>!J*%!(+#!E!2**@!' '*!61%(+,%!(+&'!(+,!
/(&(1,!*6!V#3,%(5E!&' .!)(+,!R*% .)!*6!\ 4 4&!V&P&%1)<!) * ' ',(!#')9%#3,.!*'!#(!3&),>!M,)#\$'&(#'\$!
V&.5!V#3,%(5!(+,!]) " *(+,%!*6!\ 7#2,)E^!V&P&%1)!)*1\$+(!*!4, 4 *%#&2#P,!(+,!82#\$+(!*6!+,%IX,R#)+!
3%*(+,%)!&' .!)(,%)!166,%# '\$!Y)&%#)(!8,%),91(#* '!'!\ &)(,% '\ 1%*8,>!W'!) *!.*#' \$E!)+,!,+28, .!
%,0#0,!(+,!J*1' .,%)<!0# ,R!*6!Q 4 ,%#9&!&)!&!%,61\$,!6%* 4!\ 1%*8,&'!*88%,))#* ' >!S1(!)+,!&2)*!
4&'&\$, .!(*!# 4 8%# '(!'!(+,!4 #22#* ')!*6! 4#\$%&')!R+*!8&)), .!1' . ,% !V#3,%(5<)!(*%9+!(+,!# 4&\$,!' *(!
4)4#6!# 4 4#\$%&' (!9#*#)6\$!(5!9#4)2!# 0314*6!1(+!+*4,2)E!(48)(N(*)E!0(+!1+1-2)0.2,769.2+5#150050
4.4#)!5,9)0#2\$!(0)3%2(&+)05(56(#)02(4)0.2(&)0.2(\$#)0.22,+ 40,# " E^!+ #66)0.22,&' (&)0.2..2+, 4

4)4#6!# 4 4#\$%&' (!9#*#)6\$!(5!9#4)2!# 0314*6!1(+!+*4,2)E!(48)(N(*)E!0(+!1+1-2)0.2,769.2+5#150050
4.4#)!5,9)0#2\$!(0)3%2(&+)05(56(#)02(4)0.2(&)0.2(\$#)0.22,+ 40,# " E^!+ #66)0.22,&' (&)0.2..2+, 4

(+,!- '#(,./(&(,)!+&)!#'0&%##325!3,, ' !8,*82,. !35!4#\$%&'(!),&\$,%!(*)),(2,!.*R'!+,%,!
8,%4&' ,(25>!

b +, '!(+,!4#\$%&'(!)#!T1,) (#*'!&%,!5*1 '\$!8,*82,E!,)8,9#&225!5*1 '\$!4, '!91(!2**),!6%*4!(+,!3*' .)!
*6!6&4#25!&' .!9*441 '#(5!3&9@!+*4 ,E!(+,5!4&5!3,!R#22#' \$!(*(!&@,!&..#(#*' &2!%#)@)!(+&(!8%1., '9,!
R*12.!&.0#),!&\$&#')(>!Q' .!(+,!,66,9(!*6!4#\$%&' (!<)+*%(N(%4!(#4 ,!+*%#P*')!&%,!+&% .25!9*'6#', .!
(*!(+,!R*%@82&9,>!J*%!,7&482,E!(+,5!&2)*!%,)12(!#'!&!R#22#' \$',))!(*!81(!18!R#(+!8**%12#0#' \$!
9*' .#(#*')!&!(+,!+&' .)!*6!1')9%1812*1)!2&' .2*%.)E!*%!(?!.%#0,!4*(%*!0,+92,)!R#(+*1(!8%*8,%!

(+, !U+&2,)!/(,R&%(" *((!J*1' .&(#*'E!&' !(+, ! " &9Q%(+1%J*1' .&(#*'>!Y+, !*%\$&' #P&(#*' <)!6, . . %&2!
J*% 4!eeA!`(*!),91%,!(&7!,7, 4 8!)(&(1)a!)(&(,)!(+&(!#(!)4#))#*' !#)!(*!3%# '\$!&3*1(!&!4 *%, !# '921)#0,E!
,T1#(&32,!&' .!)1)(&# ' &32,!R&5!*6!2#6,!6*%V&(#*' !#4 4 #\$\$&' (!9* 4 4 1 '#(#,)!2#0#' \$!#!!(+, ! - '#(, .!
/(&(,)!&' .!&9%*)!(+, !Q 4 ,%#9&)>!S5!R*%#@# '\$!(%&')' &(#*' &225!R#(+18&%(' ,%)!6%* 4 !9#0#2!) *9#, (5!&' .!
\$*0, % ' 4 , 'E!*\$&' #P, . !2&3*%!&' .!6&#(+N3&), . !9* 4 4 1 '#(#,)!E!R, !+*8, !(*!9%, &(, !&!4 *%, !. # '\$ '#6#, .!
&' .!;1)(!R&5!*6!2#6,!6*%!&22!8, *82, !#!!(+, !Q 4 ,%#9&)>^!

U2, &%25E!&' !& 4 3#(#*1)E!#6! '*(!\$%&' .#*),E!),(!*6!*3;,9(#0,)>[,(!&!V&(#*' !9*22, &\$1, !*6!4 #', E!&!2#6, N
2* '\$!,)# . , '(!*6!U+#9&\$*!&' .!+#\$+25!0#)#32, !9* 4 4 1 '#(5!2, &. , %!R+*!@*' *R)!R+, %, !&22!(+, !3* .# ,)!
&%, !31%#, .!' &' .!+, 28, .!31%5!) *4 , !*6!(+, 4 aE!+&!) ' , 0, %!+, &% .! *6!Q2#&' P&f!

W' !%, 9, ' (! . &5)E!* ' , !%, & .)!(+&(!&!2, &)(!) *4 , !*6!(+, !4 #\$\$&' (!)+#88, . !*66!35!)+& 4 , 2,))E!\$%&' .N
)(&' .# '\$!8*2#(#9#&')!(*!82&9,)!2#@ , !U+#9&\$*E!Z, R! [*%@E!&' .!, 0, '!' &%(+&<)!=#', 5&% .!&%, !' *(
, '#(, 25! .#)82, &), . !R#(+!R+&(!+&)!+&88, ' , .!(*!(+, 4 !)*!6&%!# ' !Q 4 ,%#9&> / *!(+, !T1,)(#*' !&#),)E!
R+*), !)(&' .&% .)!&' .!#'(, %,)(!+&0, !3, , ' !0*#9, .!#'(+, !%, 9, '(!*1(8*1# '\$!*6!*1(%&\$, d!!Y+*), !*6!
(+, !4 #\$\$&')E!*%!(+*), !*6!(+, #%!&. 0*9&(,)d!Y*!3, !!)1%, E!Q 4 ,%#9&')!)+*12. !' *(!3, !, 78, 9(, .!(*!)&' .!
35!R+#2, !4 #\$\$&')!\$, (!, 782*#(, .>[, (!*1%!*1(%&\$, !' , , .)!(*!3, !(, 4 8, %, .!35!(+, !%, &2#P&(#*' !+&(!
(+, %, !&%, !4 &' 5!R&5)!(*!, 782*#(!4 #\$\$&') O &' .!(+&(!*!0&%5# '\$! . , \$%, ,)!R, !&%, !&22!9* 4 82#9#(1# '!(+##)
. 5' & 4 #9>!J# ' &225E!R, !4 1)(!3, &%!# ' !4 # ' .!(+&(!4 #\$\$&')<8%*92#0#(5!(*!(&@, !9+&' 9,)!&' .!9%#91 4 0, '(!
6*% 4)!&' .!%12,)!6&9#2#(&(,)!, 782*#(&(#0, !%, 2&(#*')+#8) O &' .!#)!* ' , !%, &)*' !(+, 5!&%, !0&21&32, !(*!1)>!

!'"#\$%&' '\$\$(-, +; ' "0. ++ "' - "0-; "%, #, 4\$%-+4, .!4. -\$#-< "+##" !-="%%.) .>-\$0. %% " ?-\$#-#/. -@!+#, #&# .-0"' -
1*8\$!4. *- .#&* . +, !- =&%#&' .-\$#-#/. -A!, 8. '+, #B- "0-C, '), !, \$>-\$! *-\$4" !#', (&#, !) . * , # "' - "0-Q 4 ,%#9&' !
?1%8*), >!