





!" &B! f2 / \$82!)%\*+, -%!:&'6,(!MO'&+!LM / ,&2\$' -!)#2\$,%4!#0! 1&2 / 2-#(#34!CM) 1F!! ! ! ?@?=  
!  
k` \*%7%' -+2-3! : 8,727!' -+! "277,&% '2#- !MO'&+!L!5)9! ! ! ! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!?@??!  
!

%) \*8">" \*% "!!?>"5" \* '&' ( ) \*5!!! ! ! ! ! ! ! !

' 73E;0F! #G!HG;! )' -%#7;! P B! ] B;! S' 4-, 7;! 1 B! P B! C?@?G;! P ' &! ?E F B! M++&, 772-3! %8, ! \$&2 / 2- '(! J\*7%2\$, !  
&, \$&\*2% / , -% ! \$&2727\! M- '(4U2-3! 0' \$%#&7! %8' %! 2-0(\*, - \$, !' . . (2\$' %2#-7!' / #-3! \$#((, 3, !  
7%\*+, -%7B! M\$'+, / 4! #0! %8, ! 1&2 / 2- '(! S\*7%2\$, ! ) \$2, - \$, 7! CM 1 S) F! M--\*(! P , , %2-3B! 182\$' 3#;!  
^<B!

' 73E;0F! #G!HG;! S' 4-, 7;! 1 B P B;! V! )' -%#7;! P B ] B! C?@? =FB! " #, 7! : 2 / , ! \_ , '(M((1\! R6' (\*' %2-3! : 8, !  
R00, \$%! #0! : 2 / , ! ) 2- \$, ! 1#-62\$%2#-! # -! %8, ! R / . (#4' Y2(2%4! #0! M. . (2\$' -%7! O2%8! ' ! 1&2 / 2- '(!  
] , \$%&+B! K' . , &! . &, 7, -%, +! '%! %8, ! M / , &2\$' -!)#2\$, %4! #0! 1&2 / 2-#(#34! 2-! K82(' +, (. 82';! KMB!

' 73E;0F! #G!HG! C?@? =; ! P '\$8! GFB! 1#\* - \$2(!#0!)#\*%8, &-! N&' +\* '%, ! ) \$8##(7! C1) N) F! 1#-0, &, - \$, B!  
" #O-%#O-; ! : ' / . ; ! 9<B! !

)U, / . &\*%8;! SB;! N&#78#(U;! SB;! ` m P '(, 4;! ] B;! V! ' 73E;0F! #G! HG! C?@? ?FB! : 8, ! . #O, &! #0! Y##T7\  
5 -+, &7%' -+2-3! %8, ! K#%, -%2' (! : &' -72%2#-! 0&# / ! K8472\$' (!# #! "232% '(! <2Y& &2, 7B! K&, 7, -%, +! # -  
'! &#\* -+%' Y(, ! '%! %8, ! M / , &2\$' -!)#2\$, %4! #0! 1&2 / 2-#(#34! / , , %2-37;! M%(' -%';! NMB! !

' 73E;0F! #G!HG! C?@? ?FB! R6' (\*' %2-3! %8, ! , 00, \$%26, -, 77! #0! %8, ! <^9R ] )! . &#3& / ! ! '%! ) \* / % , &  
1##&, \$%2#- '( ! ^-7%2%\*%2#-B! K' . , &! . &, 7, -%, +! '%! %8, ! M / , &2\$' -!)#2\$, %4! #0! 1&2 / 2-#(#34  
/ , , %2-37;! M%(' -%';! NMB! !

"#\$%&'! "( (! ) \*\$+, \$-.'! / (O (! 1\$2&-! "( ! ! "# \$ % &' ( ) \* + \*! 3! 4\$\*5&-6! 7(8(! 9: ; : : <  
= % > &\* + # ? % > 6% 2! #, &! @ \$ % % & 5 # 6 \$ % ! A & # B & & % ! C \$ D + 6% 2! ? % > ! 1 ? E 6-F! G & D % 6 H 6 5 ? # 6 \$ %  
& , ? - & % 2 & + ! H \$ \* ! I - > & \* ! 1 \$ \* E & \* - F ! J % 5 ? \* 5 & \* ? # & > ! J % > 6 K 6 > D ? - + ( ! 4 ? L & \* ! L \* & + & % # & > ! ? # ! # , &  
M E & \* 6 5 ? % ! " \$ 5 6 & # F ! \$ H ! @ \* 6 E 6 % \$ - \$ 2 F ! E & & # 6 % 2 + ! M # - ? % # ? ' ! ) M (!  
!

K#&\$, ((2; ! : B X B;! N&#78#(U;! S B P B;! ) # - , ; ! ) B) B;! 9#3, (; ! ) B;! V! ' 73E;0F! #G!HG! C?@? ?FB! R(+, &(4;  
5 -, / . (#4, +; ! ' -+! "27'+6' -% '3, +\! : 8, ! ] , '(2%2, 7! #0! ` (+, & ; 9#& / , &(4! ^-\$' &\$, &' % , +  
^ - + 262 + \* '(7! ) , T2-3! 92- ' - \$ 2' (! ) % ' Y2(2%4B! K' . , &! . &, 7, -%, +! '%! %8, ! M / , &2\$' -!)#2\$, %4! #0!  
1&2 / 2-#(#34! / , , %2-37;! M%(' -%';! NMB! !

N&#78#(U;! S B P B;! ) # - , ; ! ) B) B;! 9#3, (; ! ) B;! ' 73E;0F! #G!HG! ;

' 73E;0F! #GHG;K#&\$, ((2;! :BXB;N&#78#(U;!SB P B;!)%#- ,;!)B)B;!V!9#3,(;! )B!C?@??FB! 5 -+,&7% '-+2-3 %8,&!, , -%&4!, e. , &2, -\$ , 7!#0!#(+, &!0#& / , &(4!2-\$' &\$, &'%, +!2-+262+\* '(7B!K' . , &!&. &7, -%, +!' %!%8, M\$'+, / 4!#0! 1&2 / 2- '(IS\*7%2\$,!)\$2, -\$ , 7! / , , %2-37!2-!<'7!c, 3'7;!X cB!!!

(\*A(' " #!' &DJ5!&\* #!%) ) HH \$ \* (' P!?'>"5"\* '&' ( ) \*5! !!!

S'4-, 7;!1 B P B;!) '-%#7;! P B ] B;! ' 73E;0F! #GHG;!) / 2%8;! f B!C?@?G;M. &2(!?>FB! " #, 7!: 2 / , !\_, '(M((1! R6' (\*%2-3!%8, !R00, \$#!#0!: 2 / ,!)2-\$, !1#-62\$%2#-!#-!R / . (#4' Y2(2%4B! ] '272-3!%8, !Q'&\ ] , 7%#&' %26, !S\*7%2\$, !' -+!K&27#-! ] , +\*\$%2#-!)4 / . #72\* / ;! : ' / . ' ;!9<B!

' 73E;0F! #G!HG!C?@?G;M. &2(!?FB!R+\*\$' %2#- '(K'%8O'47!' -+! ] , , -%&4!2-!%8, !1# / / \*-%2%4B!X# '8! 1# / / \*-%2%4! `\*%&, '\$8! : &' -72%2#- '(!<262-3B! : ' / . ' ;!9<B!!

' 73E;0F! #GHG!C?@?=: ` \$%#Y, &! ?@FB! 1&2 / 2- '(IS\*7%2\$, !] , , -%&4!)\* / / 2%B! : ' / . ' ;!9<B!!

)' -%#7;! P B ] B;IS'4-, 7;!1 B P B;V!' 73E;0F! #GHG!C?@?=:M\*3\*7!DFB! : 8, !1&2 / 2-#(#34!M\$'+, / 4! K#+\$'7%B!

' 73E;0F! #GHG!C?@?=:!S\*-, !ZFB!<^9R ] m7!K&#3&' / !N&' +\* '%2#-!'%) \* / %, &!1#&&, \$%2#- '( ^-7%2%\*%2#- '(B!Q\*78-, ((:!9(#&2+ 'B!

' 73E;0F! #GHG!C?@?=:!9, Y&\* '%4! ?EFB! : ' / . ' !] , , -%&4! ] #\* -+%' Y(, !R6, -%h! P #+, &' %!#&B! : 8, ! "#O-%#O-;! : ' / . ' ;!9<B!!

' 73E;0F! #G!HG!C?@??: ` \$%#Y, &! ?ZF! 1&2 / 2- '(IS\*7%2\$, !] , , -%&4!)\* / / 2%B! : ' / . ' !K&, . ' &' %!#&4! )\$8##(;! : ' / . ' ;!9<B!!!

' 73E;0F! #GHG!C?@??:!S\*-, !?GFB! ] , , -%&4! ) , / 2- ' &B!n, . 84&82((7!1#&&, \$%2#- '(!^ -7%2%\*%2#-B! n, . 84&82((7;9<B!!

' 73E;0F! #GHG!C?@??:!S\*-, !?EFB! ] , , -%&4! ?B@! P , , %2-3B! c2' !n## / B!!

' 73E;0F! #GHG!C?@??:M. &2(!aFB!K'7\$#!1#\*-%4! ] , , -%&4!M((2'-\$, !P , , %2-3B!!

' 73E;0F! #GHG!C?@??:! P '&\$8! =@FB! R+\*\$' %2#- '(K'%8O'47B! " &B! 1#(Y4! c' (, -%2-, m7! 1 1S! G@E@M / , &2\$' -! 1#&&, \$%2#- '(!)47%, / 7! 1#\*%7, B! 5 -26, &72%4! #0! )#\*%8! 9(#&2+ ' ;! " , . ' &% / , -%! #0 1&2 / 2-#(#34;! : ' / . ' ;!9<B!

' 73E;0F! #GHG!C?@??:!9, Y&\* '%4! HFB!R+\*\$' %2#- '(K'%8O'47B! " &B! 18', !S'4-, 7m7! 1 1S!GZ=G;!) , / 2- '%2-! 1&2 / 2-#(#34!M2+2-3!2-!K&27#-! ] , , -%&4!CWQ\*((7!M2& [F! 1#\*%7, B! 5 -26, &72%4! #0! )#\*%8! 9(#&2+ ' ;! " , . ' &% / , -%! #0 1&2 / 2-#(#34;! : ' / . ' ;!9<B!

!

%) \$>5"5Q! " &%K(\*L!&55(5' &\* '!<\$+, -./0,12!34!53617!893/ , ; ;=!

!!!! " # / , 7%2\$! c2#(, -\$ , !!

!!!!!!^-%&#+\*\$%2#-!%#! 1&2 / 2-#(#32\$' (! : 8, #&2, 7!!

!!!!) \* &6, 4!#0!%8, !1S!)47%, / !!

!!!! 1&2 / , !' -+!S\*7%2\$, !2-!M / , &2\$' !

!!!! ] , 7, '&\$8! P , %8#+7!!

5">A(%'!' )!' K"!8("D#!!!

&:@K3N!H;+60N/R!>.-., S. /!!

c2\$%2 / 7!V!`00,-+,&7! ! ! ! ! ! ! ! ! ! ?@?G!  
!

?> ) 8"55() \* &D!) >L&\* (T&' ( ) \*!H"HI">5K(?5!

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&E ./,N; +!53N,.12!34!%/ ,E,+393U2!/" P , / Y,&!#0!%8,! "26272#-!#-!1#&&,\$%2#-7!' -+!), -%, -\$2-3!

!!

%) HH\$ \* ( ' P!5">A(%"!

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"2&,\$%2-3!'!] , ,-%&4!K&#3&' / !CM2+2-3!2-!] , ,-%&4F!2-!9(#&2+'!K&27#-7!C P '4!#@?G!h! .&,7, -%F"!"  
1# / / \*-2%4!1#&&,\$%2#-7!] , ,-%&4!)2 / \*('%2#-!C P '&\$8!#@?=@!`\$%#Y,&!#@?=@!<^9R<^XR!5-26,&72%4!  
] , ,-%&4!]#\*-%'Y(!)\* / / 2%!C`\$%#Y,&!#@??F!" '0,!'-+!)#\*-%+\_2((7Y#&#\*38!1#\*-%4!P , ,%2-3!CS\*-,!  
?@??F!/" : ' / .!Q'4!), \$#-+!18'-\$," ] , ,-%&4!]#\*-%'Y(!<2-T2-3!2-!9'2%8!' -+!R+\*\$'%2#-!C<^9RF!  
) \* / / 2%"