

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

!  
"#\$!%&'(!\*)!)!  
!!!!!!!+, -./0.1'2!34!5#61, #7#!

8 &!#09, 1 : \$&67&!#, 6!'&-; &0!.<&!\$=9! =>=, !; &1; \$&-!1, !: <1-&!.'#6?.?1, #\$.&'?.1'@!.<&!/, ?A&'-.@!  
-.#, 6-!#, 6!.<&!B1, 7<&&-!D-E/? ( #\$.!#, 6! 8 BFGDH!; &1; \$&-! : <1-&!<?-1'0#!'&\$#. ?1, -<?; -! : ?.<!  
<&!\$#, 6!01, .?, /&!1!.<?-!6#@!

I#-&6!1, !J1/'!01 ( ; 1, &, -2!7\$1K#\$!&, A?'1, ( &, #\$.!0<#, 7&L!-/-.#?, #K\$&!6&A&\$1; ( &, !L!K?16?A&'-.?@L!  
#, 6!; 1; /\$#. ?1, !? ( ; 1A&'?-< ( &, !#, 6!&, A?'1, ( &, #\$.!6&7'#6#. ?1, 4!3&0./'&-!#, 6!6?-0/--?1, !



!  
3&0./'&-!: ?\$\$!K&!<&\$6!J#0&\.1\J#0&C!K/! : &! : ?\$\$!#-\$-1!K&!<#A?, 7!#J& : !7/&-!- ;&#9&' -C!#, 6!  
6&;&, 6?, 7!1, !01 ( J1' !&\$A&\$!#, 6!\$10#. ?1, !?, !.<&! : 1'\$6C!.<&@! ( ?7<.!1 ;.!.1!<#A&!#!c 11 ( !.#9! '#.<&'!  
<# ,!1, !0# ( ; /-4!%<?-! : ?\$\$!K&!#, , 1 / , 0&6! : &\$!\$, !#6A#, 0&-1!-./6&, .-!61, W.! : #-.&!#!\$1, 7!K/-'?6&!  
?, 4!  
!

UV?OW-!b /6?1!V?- /#-\$-&'A?0&-!<#A&!; '1 ( ?-&6!.<#.!?! : ?\$\$!K&!; 1--?K&&!.1!'&01'6!\$&0./'&-!?, !.<&!  
0\$#--'11 ( !#, 6! ( #9&!.<& ( !#A#?#K&&!J1'!A?& : ?, 7!1, !I' ?7<.-; #0&!1 /.-?6&!1J!0\$#--!<1 /'-4!+!<#A&, W.!  
/-&6!.<?-!@&.!?, !1 /'!#--?7, &6!'11 ( !-1!+!61, W.!9, 1 : !<1 : !.<?, 7-! : ?\$\$!71!Q!+! ( #@!&, 6! / ; !<#A?, 7!.1!  
61!#!c 11 ( !'&01'6?, 7!1J!#-<1' .&'!&0#; !1J!.<&! ( #.&'?#S4!+, !; 'A?1 /-!& ( &-.&' -!+!; 1-.&6! : <&, !+W6!  
K&! ( #9?, 7!.<&!1, \$?, &'!&01'6?, 7-C!?, !0#-&!; &1; \$&! : #, .&6!.1! / , &!?, !#, 6!#-9!E /&-?1, -C!K/! !.<?-!  
&' ( !+!<#A&!#, 1.<&'!0\$#--!1!&#0!#, 6!?! : ?\$\$!Y /-.!K&01 ( &!.11!01 ( ;\$?0#.&6!Q!-1!?!+!61!#!'&0#; !+W\$\$!  
/ ; \$1#6!?!#!6#@!1'!. : 1!#J.&'!.<&!-0<&6/\$&6!\$&0./'&4!  
!

!\$?9&\$@! : ?\$\$!, 1.!K&!-; &, 6?, 7!#!\$1.!1J!.( &!?, !.<&!6&;#'. ( &, .4!%<?-!?! : <@!+!<#A&!7?A&, !1 / ! ( @!O&\$!  
, / ( K&'C!#, 6!# ( !#-\$-1!71?, 7!.1!71!.1!A#?'1 /-! : #.&'J'1, !.-?&-!#!1 / , 6!.<&!0?.@!J1'!1 / .611'! ( &&.\ / ; -!  
1, !B#./'6#@!#J.&' , 11, -4!  
!

! !  
%<&!\$&0./'&-!J1'!.<?-!01 /'-&!#&'!1 /7<\$@!6?A?6&6!?, .!1.<'&&!&0. ?1, -!Q!.<&!</ ( #, !#, 6!K?1; <@-?0#S!  
01, 6?. ?1, -!?, !01#-.#S!#&#-C!-1 ( &!; '1K&& ( -!<#.!<#A&!K&&, !, 1.&6!^ ( 1A?, 7!?, .1!#, !N; \$1' #. ?1, !1J!  
A#?'1 /-!9?, 6-!1J!<#M#?6-`C!#, 6!.<&!; 1--?K&&!J /.'&-!J1'!01#-.#\$!&, A?'1, ( &, .-!7?A&, !0\$ ( #.&!0<#, 7&!  
#, 6!1.<&'!; '&- /'&-!<?-!0&, ./'@4!%<&!#--?7, ( &, .-!<#A&!K&&, !6&-?7, &6!.1!&N# ( ?, &!.<&-&!<& ( &-4!  
!

! !  
I&0# /-&!1J!.<&! / , 0&' #?, @!#K1 / .! : <#.! : ?\$\$!<#; ; &, !.<?-!J#\$\$! : ?.<!.<&!01A?6!A#?'# , .-C!+WA&!1 ; &6!.1!  
6&-?7, !.<&!01 /'-&! : ?.<1 /'!-?.\61 : , !&N# ( -4!  
!

! ""#\$%&' %()\*+ ,-. ' )/0#&1(') / . 1%\$') / 223422356)+78)29)\$:1; ' )<=>()??)  
! ""#\$%&' %()\*?) / 2@:''' -2>#A)B#(A. 56)+78)29)\$:1; ' )<)CA()D)  
! ""#\$%&' %()\*E1) / #:A@01:)FA2%2&G)B:2; @A()! ""' "'&' % (56)H8)29)\$:1; ' )<)CA()H)  
! ""#\$%&' %()\*E4) / #:A@01:)FA2%2&G)B:2; @A() / 2&>1: #' 2%"56)H8)29)\$:1; ' )<)CA()?)  
! ""#\$%&' %()\*D) , J2A10)= ' 1)J' K' 0)L#'' )M&>1A("56)+D8)29)\$:1; ' )<)N2K)+)  
! ""#\$%&' %()\*1) / 0#&1(') / . 1%\$') #)0#A(#2%56)+78)29)\$:1; ' )<)N2K)+1)  
)  
)  
)=' ()29)FP>02:1(2:G)Q#%#R' ""'1G"6)D78)29)\$:1; ' )<)S' A)T)  
! " ! # \$ % & ' ( ) &

G1.&!<#.!#--?7, ( &, .-!0#, !K&!- /K ( ?..&6!.1!<&!&\$&0.'1, ?0!6'1; !K1N! / ; ! / , .?S!1, &! ( ? , / .&!K&J1'&!  
( ?6, ?7<.!1, !.<&!6 /&!6#. &4!^B1!J!-1 ( &.<?, 7!?!-!6 /&!1, !B&; .!) \*C!+! : ?\$\$!&.!<&!6'1; !K1N!J1'!002[g!  
X f 4!+J!+!&.!?!J1'!0)2\*\*! b f !1, !B&; .!)OC!<&'&!<#A&!K&&, !-&A&'#S!-? / #. ?1, -! : <&'&!; &1; \$&!<#A&!  
#-- / ( &6!?.W-!6 /&!#!, 11, 11, !.<&! )O"4"!+J!@1 / ! : #, .!.1!- /K ( ?.!<#?601; @!#--?7, ( &, .-!^<?-!?!-!  
#\$\$1 : &6'C!.<&'&! : ?\$\$!K&!#; <@-?0#S!6'1; !K1N!J1'!1 / '!01 /'-&!1 /.-?6&!<&!T&17'#; <@!6&; #' . ( &, !  
1JJ?0&!?, !I \ 8 ? , 7!1J!.<&!Z#A?6!% / ' ; ? , !I /?S6?, 7!Q!K / .! ; \$&#-&! , 1.&!<#.!@1 / W\$\$!<#A&!1!?. ( &!<?, 7-!  
#001'6?, 7\$@!K&0# / -&!@1 / ! ( ?7<.! , 1.!K&!#K&&!.1!7&.!?, .!1.<&!K / ?S6?, 7!1!#&0<!?.C!#.&!#.! , ?7<.4

+J!@1/!9, 1 : !&!'\$@!?, !.<&!.&' ( !.<#.!@1/'!?, .&' ,&.!?-!-<#9@!1'!@1/W\$\$!<#A&!J# ( ?\$@!01 ( ( ? . ( & ,.-!1'!  
@1/W'&!.#9?, 7!#, 1.<&'!01/'-&!.<#W-!71?, 7!1! ( #9&! ( #--?A&!6& ( #, 6-!1, !@1/'!?. ( &C!@1/W'&!71?, 7!  
.1!<#A&!1!;\$#, !#001'6?, 7\$@4!

>'8)6&!13-1;!%!

012&'610!3-6&!%6!-68! ( )/'!\*-1'!-00%+6 ( '610;!13'8!4)6<!7'!+/-&'&9!+, !#, !1, 71?, 7!01/ , -&\$?, 7!  
-?./#.?1, !1'! ( &6?0#\$!& ( &'7&, 0@C!+W ( !: ?\$\$?, 7!1!6?-0/--!-. '#.&7?&-! : ?.<!0# '&7?A&' -!#, 6!.<&!  
/ , ?A&'-.@!#6 ( ?, ?-.'#.?1 , C!K/!.<#W-!#, !1KA?1/-!&NO&; .?1 , C!#, 6!.<&'&#!&!1JJ?0?#;\$! ; '10&6/'&-!J1'!?.4!!  
!  
+!<#A&!- ; 19&, !: ?.<!.<&!R1/ , -&\$?, 7!-.#JJ!#, 6!.<&@!#7'&&!.<#.! : 1!&N.& , -?1 , -!-<1/\$6!01A&'!.<&!A#-!  
( #Y1'?.@!1J!0?'0/ ( -.#, 0&-4! 8 ?.<!?. ( &!\$? ( ?.&6!J1'!K1.<! ( &!#, 6! ( @! ( #'9?, 7!#--?-.# , .C!?.!0'&#.&-!  
&N.'#! ; '1K\$& ( -!1!<#A&!1!0<#-&! ; &1 ; \$&!J1'! ( ?-?, 7! : 1'9C!7'#6&!&#'\$?&'!#--?7, ( & ,.-!#.!<&!& , 6!1J!  
.<&!-& ( &-.&'!.<#.!-<1/\$6!<#A&!K&& , !<# , 6&6!?, !#'\$&#6@C!1'! , &71.?#.&!&NO&; .?1 , -!J1'!&A&'@1 , &!?, !  
1'6&'!1!K&!J#?'!\! ( /\$.? ; \$@!.<#.!K@d\*!-./6& ,.-C!#, 6!@1/'!-&&!<1 : !01 ( ; \$?0#.&6!.<#.!01/\$6!7&.4!

B&&!R1A?6!B#J&.@!-&0.?1 , !#K1A&4

!

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

!

!"#\$%&'

'\$(\$)\*\$%&'

+,,.-/0\$/#%&'

"#\$%&'

_4=!T! _4=!' _4=!**!	(##)!*I+W7%24!%4!/,b,2<.6<0.,.%#2.3!A44<!.#-520%>! =\$'1-/.iC*\$"Dk?k/4k\$(#)*\$k =\$'1-/.iC*\$"Dk?k/4k\$(#)*\$k	! !
_4=!*V! _4=!*E! _4=!*T!	(##)!**+!P<#\$#7<079!47!%/#12#.58%.!4A!K..097@#7%F3! B#c88!#0%/#2!H#!A4-5.079!47!<0.,.%#2.!42!A44<!07!%/#!;G! -47%#?%157%08!%/#!#7<!4A!%/#!#2@S!	J5#!_4=!*V! K..097@#7%LV!M*IN0! PG80@,#!G/,79#!07!Q0-#047S!
_4=!FF! _4=!FC! _4=!FV! _4=!F'	(##)!*F+!	! !



!

B&&!.<&!0/'&, !U, ?A&'-.@!1J!V?0.1'?'#R#&, 6#!J1'!.<&!@)\*%, 8!)6!A, -&' (%, !:6!'+/%182!





!  
!  
!

B./6&,.-!:?.<!6?A&'&!\$&#',?,7!-.@&&-!#,6!,&&6-!#&!:&\$01 (&!?,!<?-!01/'&4!!+,!;#'.?0/\$#'C!?!@1/!  
<#A&!#!610/ (&.,&6!6?-#K?\$.@!1'!<&#\$.<!01,-?6&'#.?!1,!.<#.! (#@!'&E/?'&!#001 ( ( 16#.?!1,-C!;\$&#-&!  
01,.#0.!.<&!R&.,'&!J1'!b00&--?K&!3&#',?,7!^Rb3`!#-!-11,!#-!;1--?K&!^/A?040#o-&'A?0&-o0#So`4!!  
%<&!Rb3!-#JJ!?!#A#?#K&#!K@!#; ;1?., (&.,!.1!#--&-!-; &0?J?0!,&&6-C!;'1A?6&!&J&'!#-\$-C!# ,6!  
#''#,7&!#; ;'1;'#.&!#001 ( ( 16#.?!1,-4!!

UV?0!.#9&-!-&N/#\$M&6!A?1&\$,0&!-&'?1/--\$@C!#,6!<#-'#?-&6!<&!K#!'J1'!: <#.!?-!01,-?6&'&6!  
#00&;.#K&#!K&<#A?1/'4! 8 &!&,01/'#7&!-/6&.,-!.1!\$&#',!( 1'&!#K1/!<1:!.<&!/,?A&'-.@!6&J?,&-!  
-&N/#\$M&6!A?1&\$,0&!#,6!?.-!1A&'#\$\$!#; ;'1#0<!K@!A?-?.?,7!/A?040#o-A;4!+J!@1/!1'!-1 (&1,&!@1/!9,1:!  
<#-!K&&!,!?( ;#0.&6!K@!-&N/#\$M&6!A?1&\$,0&!#,6!,&&6-!?,J1' (#.?1,C!#6A?0&C!#,6o1'!-/; ;1'!;\$&#-&!  
01,.#0.!.<&!-&N/#\$M&6!A?1&\$,0&!&-1/'0&!1JJ?0&!?,!DE/?.@!#,6!s / (#,!e?7<-!^D t s e`4! 8 <&.<&'!  
1'!,1.!@1/!<#A&!K&&!,!6?'&0.\$@!?( ;#0.&6C!?!J!@1/!:#,!.1!.#9&!;#'.!?,!.<&!?( ;1'.#,!.!;'&A&.,?1,!:1'9!  
.#9?,7!;\$#0&11,!0# ( ;/-C!@1/!0#,!#-\$-1!&#0<11/.2!

8 <&'&2!B&N/#\$M&6!A?1&\$,0&!&-1/'0&!1JJ?0&!?,!D t s e!B&67& :?09!R00g!  
X<1,&2!)[\*4d)04]\*)O!  
D (#?2!-A;011'6?,#.1' /A?040#!  
8 &K2!/A?040#o-A;!

R1/,-&\$\$?,7!B&'A?0&-!0#,!<&\$;!@1/!( #9&!.<&! ( 1-!.1J!@1/'!/,?A&'-.@!&N; &'?&,0&4%<&@!1JJ&'!J'&&!  
; '1J&--?1,#\$C!01,J?6&.,?#&C!?,0\$/-?A&!-;/; ;1'!.1!0/'&.,\$@!'&7?-.&'&6!UV?0!-/6&.,-4!  
!/A?040#o-&'A?0&-o01/,-&\$\$?,7o!!

U,?A&'-.@!s &#\$.<!B&'A?0&-!^U s B`!;'1A?6&-!#J/\$\$!-&'A?0&!;'? (#'@!<&#\$.<!0\$?,?0!J1'!-/6&.,-C!#,6!  
011'6?,#.&-!<&#\$.<@!-/6&.,!#,6!0# ( ;/-!?,?.?#.?A& [ (0)0.20.2 (?)0 8 !#J/\$\$ /A?040#o-&'A?0&-!#0.2 (<)0.2 ( ,<0.2 (

