

#\$\$%&'()*!+,%-*\$\$%,!%#!#-, '&(. (!/)01'*\$!(. 1!2. 34'\$5!

65(' ,7!#-, '&(. (!/)01'*\$!

8%91%' .!6%44*3*!

!

: * ; (,) < * .) ! % - ! # - , ' & (. (!/)01'*\$!

: * ; (,) < * .) ! % - ! 2 . 34'\$5!

@>??!6%44*3*!/)(' % . !

8,0.\$9'&E7! F 2! ?G?""AHG@>!

!

! %--'&*=-!>?@A@>"AB"B?!

! !!!!-(C=!>?@A@>BAD?>D! !

)&5(EE(4 I J%91%' .X*10!

!

!

L('\$')' .3!#\$\$%&'()*!+,%-*\$\$%,7!2. 34'\$5!

M*C(\$!#N!F!0.) * , . ()' % . (4!P . 'Q* , \$)R7! / ; , ' . 3!>?"@!

!

#\$\$'\$(.)!+,%-*\$\$%,7!#-, '&(. (!/)01'*\$!(. 1!2. 34'\$5!

8%91%' .!6%44*3*7!>??HA>?" ""!

!

#\$\$'\$(.)!+,%-*\$\$%,7!2)5. '&!/)01'*\$!

8%94' .3!S , ** .!/)(' *!P . 'Q* , \$)R7!>??@A>??H!

!

#\$\$'\$(.)!+,%-*\$\$%,7!2. 34'\$5!!

T '44' (<\$!6%44*3*7!>??>A>??@!

!

L('\$')' .3!#\$\$'\$(.)!+,%-*\$\$%,7!2. 34'\$5!

8%91%' .!6%44*3*7!>??DA>??G!

!

L('\$')' .3!U*&)0 , * , 7!2. 34'\$5!

T '44' (<\$!6%44*3*7!>??>A>??>!

!

L('\$')' .3!/&5%4(,7!2. 34'\$5!

P . 'Q* , \$)R!%-!V% ,)5!6(, %4' . (!!)65(; *4!W'447!"XXXXA

!

!

!

#)!5*!)0, . !%-!)5*!)9* .)'*)5!&* .)0,R!)5*!# <*, '&(.!4')*, (,R!&(.% .!9 (\$!1*-' . *1!JR!)5*!
; ,*\$)'3'%0\$!; 0J4'\$5' . 3!5%0\$*!%-!W%035)% . !F' --4' .!6% <; (.R!95'&5!0.)'4!"HXX!; 0J4'\$5*1!
% .4R!95')*!(0)5%, \$K!M5()!&5(.3*1!95* .!65(,4*\$! T (11*44!65*\$.0))!(, 'Q*1!% .!)5*!4')*, (,R!
\$&* . *K! T ')5!)5*!; 0J4'&()'% .!%-!

!

>

(. 1!^'&)'%. 7[!6&#<'l+@(- '&(0l-&\$#-, \$&'(42(- '&/ 8&\$l<#+(!lF1/() # \$7!*1k!6%44** .!S4* . . *R!
8%33\$K!V*9!Y%,E=!M5*!F%1*,. !U(.30(3*!#\$\$%&'()'% .7!>?" \k!

!

Z#J%4)'% .! .!)5*!#3*!%-!] J(<(7[!/ 8&\$l<#+(0l-&\$#\$(9l'-4\$=(>HKD!^(44!a>?"Bb!

!

ZM5%,*(O`\$! F (' . *! T %%1\$7[!34; *4l+(: #@#Nl+&!H@kD! / ; , ' .3h/0<<* ,!a>?"Bb!

!

c*Q'*9!%-!9&%M(8&(-4(Gl+*(8=(O&4M%&!JR!W*()5* ,! # . 1 ,*(! T '44' (<\$7!>4, \$+##/(42(- '&(!lF1/() #\$(B\$#!L%4k!G7!V%k!"!af04R!>?"Gbk!

!

Z^'.1'.3!(!W%<*!-%,!2i0'(.%7[!'! !/MM\$4#<'&'(-4(6&#<'l+@(BP, l#+4L'(Q+-&\$&'-l+@(E#\$\$#-lF&?!*1k!2, '&!U(<%,*k!P . 'Q*, \$)R!%-!M* . . *\$**!+, *\$7!>?"DK!

!

Zc*(1'.3!'!./0)% .!2k!S, '33\$7[!'! .!>l8(! \$4; ?(0l-&\$#-, \$&?/#+*(- '&(O&@#<=(42(A, --4+(B(D\$!@@ 'k!*1\$K!M*\$ \$! 65(EE(4(E(4!(. 1!d* . . *)5! T! T (, , * .k!P . 'Q*, \$)R!%-!S*%,3'(!+, *\$7! >?"DK!

!

ZW(, , '*!)8**&5*,!/) % 9*!()!>??7[!9l'-4\$=(E&; '(E&-; 4\$5!

!

!

Z8*'.3!c**.(!'!.!6(. (1(=! (!6(\$*!%-!c*&E4*\$ \$!2R*J(44'.37[!'!.!U,*&.(!4+-&8M4\$#\$(
3%#<5(!#+#*!#+(!,%-, \$#%(! \$!-l<l'8!aM%,%.)%=!0.\$%<.'(&!+,*\$ \$7!>??b7!"BXA"@K!

!

jZc*&E4*\$ \$!2R*J(44'.3=!8*'.3!c**.(!'!.!6(. (1(7[!,*;',.)*1!'!.!U&&+#(Zl\$5.(! \$!-l<#%(

!

!
8%91%'.!^(&04)R!c*\$*(,&5!^*44%9\$5';! ! ! ! ! >?"B!
!
^(&04)R!^*44%9\$5';!
V()'%.(4!2.1%9<*.)!-%,!5*!W0<(.)'*\$!/0<<*,!0.\$)'0)*!!
Z#-,'&(.#<*,'&(.'U)*,(0,*!(.1!/%&'(4!W'\$)%R[!!
! ! ! ! ! ! ! ! ! >?"D!
W0<(.)'*\$!T,')!U(,3*!c*\$*(,&5!^*44%9\$5';!
:0E*!P.'Q*,\$)R! ! ! ! ! ! ! ! ! >?">!
!
F*(,1\$!6(. .%..!^*44%9

!
ZM5*/4(Q*AF(,,'(3*!+4%)[!%.!E4F&%/(34+*#@&(P.'Q*,\$)R!%-!V*9!W(<;\$5',*!:0,5(<?!VW7!^*JK!D7!>?">K!
!
ZM5*/4(Q*AF(,,'(3*!+4%)[!%.!E4F&%/(34+*#@&(P.'Q*,\$)R!%-!V%,)5!6(,%4'.(?!65(,4%))*?!V67!^*JK!>H7!>?">K!
!
Z]-!F(E'.3!F(.R!8%%E\$=!/0))%.!2K!S,'33\$(.1!)5*!+4*(\$0,*!%-!c*(1'.3K!
P.'Q*,\$)R!%-!d*.)0&ER7!U*C'.3)%!.7!dY7!V%Q*<J*,"B7!>?"?7!!!
!!

ZT5R!/0))%.!2K!S,'33\$!F())*, \$7[!F%1*,. !U(.30(3*!#\$\$%&'())%!.!6%.Q*.)'%!.7!
T(\$5'.3)%!.7!:K6K7!f(.0(,R!H7!>?>>K!
!
o65(,4*\$!65*\$.0))p\$d')&5*!.+,%4')&\$7o!F%1*,. !U(.30(3*!#\$\$%&'())%!.!6%.Q*.)'%!.7!L',)0(4!
F**)' .3!f(.0(,R!@7!>?>")!

ZT'44'(<!T*44\$!8,%9.`\$!E&@\$4(l+(-"/8&\$!<#+(U&W&%/14+[=#!c*(1'.3\$!c%0.1)(J4*!%-!
!)5*!6'Q'4!T(,!6(O&0\$7!F'19*\$)!F%1*,. !U(.30(3*!#\$\$%&'())%!.7!65'&(3%7!0U7!
!V%Q*<J*,"GA"@7!>?"XK!

ZT5%!(,*!M%0,31*\$!84(&E!65(,(&)*,\$m[!U)*,(,R!M%0,31*!=!6%.-*,*.*&'!())5*!65(0)(0i0(!
!0.\$')0)%!.7!/;*);* <J*!,!>@A>X7!>?"X!

Zc*(1'.3!(.1!c*(4'\$<=!65(,4*\$!65*\$.0))`\$!: '(,R7[#c*(1'.3!V%9=!+,(&)'&\$7!+*1(3%3R7!
!+,%-\$*\$%#.6%.-*,*.*&\$#8*.AS0,'%!.!P.'Q*,\$)R7!8**, \$5*Q(7!0\$, (*47!f0.*!>\A>H7!
!>?"HK!

Z65(,4*\$!65*\$.0))`\$!W%<*,7[!6"X=!M5*!/,%&'*)R!%-!V'.*)**.)5A6*.)0,R!#<*, '&(.'\$)\$7!
!#4J0i0*,i0*7!V*9!F*C'&%7!F(, &5!"A>B7!>?"H!

Z65(,4*\$!65*\$.0))=!M5*!U'-*7[!#<*, '&(.'!U)*,(0,*!#\$\$%&'())%!.!6%.-*,*.*&7!8%)%!.7!F#7!
!F(R7!>GA>H7!>?"@!

Z65*\$.0))`\$!M,(Q*4!T,')'.3\$7[!/ %0)5*,. !#\$\$%&'())%!.!%-!#<*, '&(.'!/)01*\$7!6%44*3*!%-!
!T'44'(<!(.1!F(,R7!F(, &5!DAB7!>?"@K!

c%0.1)(J4*!+(,)'&';(.)7!ZS*. ,*(.1!T%,41<(E'.37[!&"X=!#\$\$%&'())%!.!%-!"X!"A&*.)0,R!
!#<*, '&(.'\$)\$7!+*.. \$R4Q(.'(!/)(*)!P.'Q*,\$)R7!F(, &5!"@A>"7!>?"\K!

Z65(,4*\$!65*\$.0))`\$!20,%;*(!f%0,. (4!
6##c!a6%44*3'0<!-%,!#-, '&(.'!#<*, '&(.'!c*\$*(, &5b7!U'Q*, ;%47!2.34(.17!f0.*!>GA
>XK!

ZM5*!V%Q*4\$!%-!/0))% .!2k!S,'33\$=!#!6,')&(4!21')'% .[!
! FU#!aF%1*,.!U(.30(3*!#\$\$%&'(')% .b!6%.Q*.)'% .7!8%\$)% .7!f(.0(,R!DA\7!>?"D!
!
65(' ,7!Z#- ,&(.!# <*, '&(.!c*(1*,\$!%-!)5*!+(\$)=!0.)*, ; ,*)' .3!M,(&*!\$!%-!F(,3' .!(.1!6* .)*) ,[!
/ #!a# <*, '&(.!/)01'*\$!#\$\$%&'(')% .b!6%.Q*.)'% .7! / (.!f0(.7!+0* ,)%!c'&%7!
V%Q* <J* ,!"BA"H7!>?">!
!
c%0.1)(J4*!+(,)'&' ; (.)7!Z6%44% iOR!% .!L6!%(V&#- "(4\$(Vl' -#+<&(V4(Y'(O#\$.-(04F&(#+*(
(: #\$\$!#@&(1+(/2\$I<#+(/ 8&\$!<##!
! M,'O< ;5!' .!FR!/% .3="H!"(.1!"X!"!6* .)O,R!#- ,&(.!#)4(.)'&!604)O,*7!W'\$)% ,R!N!!
+*,-% ,<(.&*7!6%44*3*!+(,E7!F :7!F (R!D"AfO . *!>7!>?">!
!
ZM*44' .3!)!U'E*!)! T (\$=!M%0,3**\$!c5*)% ,&!%-!#- ,&(.!# <*, '&(.!c'35)\$!
! 6 "X=!M5*!/%&'*)R!%-!V' .*)** .)5A6* .)O,R!# <*, '&(.!\$)\$!6% .-*,* .&*7!8* ,E*4*R7!6#7!
! # ; , '4!'>A"B7!>?">!
!
Z/0))% .!2k!S,'33\$(.1!84(&E!c*(1*,\$!(!)!)5*!MO, .!%-!)5*!>?"!6* .)O,RK[!
6##c!6% .-*,* .&*!a6%44*3'0<!-%,!#- ,&(.!# <*, '&(.!c*\$*(,&5bK!+(, '\$7!^ , (.&*7!
; , '4!\AX7!>?"!>!"!
!

#U#!6%.-*,*.*7!8%\$).7! F (\$\$K7! F (R!>DA>@7!>??@K!Z/)% 9*7! F (,,'(3*!(.1!)5*!
2.1\$!%-!/4(Q*,R[!
!
+(. *4!],3(. 'e*,!(.1!65('7!/)% 9*7!6%4%. 'e()'% .7!(.1!)5*!8*3'..'.3\$!%-!84(&E!# <*, '&(!
! :%<*\$)'&')R[!
#U#7!/(. !^,(. &'\$&%7!6(4'-K7! F (R!>>A>B7!>??\!
!
ZW*(,)! F ()*,\$=!6''&(D#\$1&'(#+*(6''&1\$(G\$1&+* '!(.1!)5*!#.)'\$4(Q*,R!V%Q*4[!!!
#U#!6%.-*,*.*7!/(. !^,(. &'\$&%7!6(4'-K7! F (R!>>A>B7!>??\!
!!
Z#!c*-03*!^,%<!)5*! F %J=!^,(.E! T*JJ!(.1!)5*!+,%_*&)!%-!84(&E! :%<*\$)'&')R[! !
! V2 F U#!aV%,)5!2(\$)! F %1*,..!U(.30(3*!#\$\$%&'()'% .b7!6(<J,'13*7! F (\$\$K7!# ; , '4!
! >??B!

!
ZM5*!U*3(&R!%-!P.&4*!M%<[!a886!c(1'!G7!V%Q*<J*,!>B7!>?"Db!
!

!

""