

,-. /01!23!45/6107
89:-:0!;-<! =>3!+""+&#?
 , !"#\$\$%&234 #(%\$) @A3B3C3
 &%#&!D3!;<>-EF-7!;1GE3@!9:D3!\$&#
 H5IJ>. @!K</L>.-!)&("!"
 8&#?) (N%%\$+
 N5/6107OEPNQ1I3I>R

C>.><!H3!S:/LQ-:/ITU
 8V/IW3!A(*)"!X!,3C3!*++"&""?
 S""+!,#*"-*.& Y+#/#+!%& Z#(0,1 !
 !"+& D23.\$11#"" !
 (+!A0..J71G-./-!KG03!9D@!9:03!\$%+
 [-JW/.6:>. @!3C3#+++!\$!
 8#"&?"(M\$%(\$
 I>.><3V:LQ-:/ITO:W0V<03><6
 UA<>!] -!^/!0!R>:/>.!><:WI>R/.6

"#\$%&!(!)#*!+(,-%.-)!&
 KEE:/>.-1!!>5.J01!1/J:0E!/.!J/6.-:5<0!_1>IT

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

Z0_0T-WIV-JJ/0.E !
 4 5/.:5J!9IW51LT0@

+(,-%.-)!&@

=>3!aaaaaaaaaaaaaaaaaaaaaaaaaada

GB

C/:7!>!95<Q</@!-!R5./I/Q-1!!><Q><-:/>.!
 -.E!-!6>G0<.R0.: -1!0.:/:7!

+,/01)\$#%!-,*! !
 +\$2\$13*\$45%(!2\$,1)%\$,#(!

9T/Q!] -11 @!/.!W.E/G/E5-1!!-Q-I/7!-.E!

6"*7!%*\$)1!&/#&' !

9:0G0.!9W0<./I>@!/.!W.E/G/E5-1!

I-Q-I/:7 @

/)'%0,%.&3

\$#%*, "+%\$,# _!

"3 HW0!95Q<0R0!C>5<:!W-J!R-E0!I10-<:!W-:!b>.0!>! :W0!R>J:!Q<0!/>5J!
1/_0<:/0J!J-\065-<E0E!_7!:W0!;/11!>!Z/6WWW/J/!#0E!Q<>R/J0!:>!0G0<7!KR0</!-.@
0.JW</0E!/:!W0!S/<J:!KR0.ER0.:@!:W-:!!/:L0.J!0.P>7!:W0!\<00E>R!:>!!>RQ1-/.!->5:
10-E0<J#23,%!45!6-4-'*,!7',89@!&)&!d393!)(@!"+"!8#+")?3!;5!:0\0.E-.:J!95<Q</J0@
K</L>.-!-.E!/:J!R-7><@!9T/Q!]-11@!_<>T0!:W-:!Q<>R/J0@!-<<0J:/6!A1-/:!\!Z0_0T-W
/!\<>.:!>!W0<!"W0-41E!E-56W:0<\><!!</:/!L/.6!-!Q5_1/!>\!VI/-1!-!-!!/:7!!>5.I/1!R6@

#3 ^/E0>!>! :W0!-<<0JQ0-TJ!\><!/ :J04!K565J!:#+@!#+#%@!E5</6!:W0!Q5_
I>RR0.:!Q><:/>.!>! :W0!95<Q</J0!C/:7!C>5.I/1!R00:/6@!V-JJ/0!JQ>T0!/:!>QQ>J!/:>!
Q1-..0E!Q-7!/!.I<0-J0!\><!95<Q</U07J!::><.073!;5:!V-7><!] -11!/:0<<5Q:0E!W0<!<0R-<TJ
JI>1E/.6W0\><!G/>1-:/6!-!C/:7!C>5.I/1!Q>1/I7!Q<>W/_/:.6!bl>RQ1-/.g/.6hc!- _>5:!Q5_
>\!VI/-1J3!

\$3 V-JJ/0! /J/J:0E I><<0!1i7 :W-:!

!

"

9W0<./I>\!<</0E!>5!11fJ!5.I>.J:/:5:/>.-1!><E0<@!E0:-/!>E!W0!-<<0J:/:6!V-JJ/0!/.!
:W0!C:/:7!C>5.I/1!IW-R_0<3!J!0!060E/R0j!bH<0JQ-JJ/.635!! : W0!>.17!:<0JQ-JJ!>!

K565J:!#+:W!F-J!-6-/J:!V-JJ/0fJ!</6W!:J3!

&3 95<Q</J0!Q1-I0J!-!R5LL10!>.!/:J!<0J/E0.:J!-!C:/:7!C>5.I/1!R00:/:6J@!/RQ>

-!Q>1/I7!:W-!<Jk0R-<TJ!0G01/.6!W-<60J!><!I>RQ1-!/:J!-6-/J!-!7!0RQ1>700!>!/:W0!

C:/:7!><!R0R_0<J!>!/:W0!<E!W0!bC>5.I/1!C</:/I/JR!A>1/I7c?3

'3 95<Q</J0fJ! C>5.I/1! C</:/I/JR! A>1/I7! G/>1-:0J! :W0! S/<J! KR0.ER0

bC</:/I/JR!>\!6>G0<.R0.:!J!-!/:W0!G0<7!I0.:0<!>!/:W0!!>.J:/:5:/>.-117!Q<>:0!:0E!-<0-!>!

E/JI5JJ/>.36#&'%:(,..!45!7,* @!\$)\$!d393!(&@!)&!83K:0<-11k@Q00IW!I!>.I0<./:6!

Q5_1/I!-\!<J!J!R><0!W-!J!K!Q<0JJ/>.`!/:J!/:W0!0JJ0.I0!>W0G0<.R0.:3c!

:>! :W0! Q5_3!5</.6! :W0! Q5_1/! I>RR0.:! Q0</>E<A7! C>5.I/1! R00:/6J@! 95<Q</J0!
0.\><I0J!W0!C>5.I/1!C</:/I/JR!A>13!7

"&3 ,0\0.E-.:! 9T/Q!J]-11!/J! :W0!010!0E!><!>!\:W0!C:/7!>!\95<Q<#J0B!V-7><!
/J! :W0!Q<0J/E/.6!>\V!0<!\>!\C<W0!C>5.I/1!-.E!/:J!R00:/6J3V-7><!] -11 @!0.\><I/.6! :W0!
C>5.I/1!C</:/I/JR!A>1/!7@E0<0E!JJ/0!>!\IO-J0!>RQ1-./6!- _>5!:/7!>\VI/-1J@! :W0!
E/<0! :0E!Q>1/I0!>!\E0:-/!W0<3!

"3 V-7><!] -11!/J95<Q</J0W-1!Q>1/I7R-T0<!\><!\<510J!-.E!E0!J/>.J!Q0<:-/6!
:>! :W0!!>.E5!>!\!C:/7!C>5.I/1!R00:/6J3

"(3 K!:-11!:/R0J!<010G-.:!>!\:W/J!C>RQ1-7>@] -11!-!0E!5.E0<!!>1><!\!J:-:0!
1-F3V-JJ/0!J50J]-11!/.!W/J!/.E/G/E5H4Q-I/:7 3

")3 ,0\0.E-.:! 9:0G0! 9W0<./I>\! /J! -! >\V!0<!\>!\ :W0! A>1/I0! >!\ :W0! C:/7! >!\
95<Q</J0B/I0<!\9W0<./I>\!\@!0.\><!\!C<W0!C>5.I/1!C</:/I/JR!A>1/!7@E0!-/0E-.E!-<<0J:0E
V-JJ/03!

"*3 K!:-11!:/R0J!<010G-.:!>!\:W/J!C>RQ1-7>@] -11!>!\9W0<./I>\!\-!0E!5.E0<!!>1><!\
>!\!J:-:0!1-F3V-JJ/0!J50J!9W0<./I>\!\!W/J!/.E/G/E5H4Q-I/:7 3

6"*\$('\$+%\$,#!)#!2&#"& _____ !

#+3 !HW/J!-!:/>.!-</J0J!5.E0<!\:W0! @!S>5<4-V!S>5<:00.:W!KR0.ER0.:J!>!\
:W0!d./:0E!9:-:0J!C>.J:/:5:/>.!-E!J!_<>56W!:5.E0!C/G/1!Z/6W:J!KI!>!\!")%@!d393C3!
nn!"*)\$!-.E!"*) @.E! :W0!,011-<-:><7!25E6R0.:J!KI!@!#)!d393C3!h#3

#"3 V-JJ/0! -.E! 9IW51LTQ!00T!/.P5.I:/G0! <01/0! -6-/JW0! C:/7! >!\ 95<Q</J0!
0.P>/./6!0.\><I0R0.:!>!\:W0!C>5.I/1!C</:/I/JR!A>1/!3V-JJ/0!-1J>!\J00T!E011-<-:><7!<01/0!

:W-:W0C>5.I/1!C</:/I/JR!A>1/I7.E! V-7><!] -11fJ!E/<0!:/GO!:W-:JW0!10-J0!</:/I/L/.6!I/:7!
>\I/-1J!-!C/:7!C>5.I/1!R00:/6JG/>1-:0!:W0!S/<J!:KR0.ERKEE/!/>.-117@JJ/0!J00TJ!
R>.0:-<7!E-R-60J!-6-/J!:WQD\0.E-:J !\><!G/>1-:/6WQ!10-<17!0J:-_1/JW0E!S/EU!
S>5<:WR0.ER0.:!</6W:J3

##3 KII><E/.617@! :W/J! C>5<:! W-J! NR-POk! P5</JE/I:/>.! 5.E0<! #)! d393C3!
n!"\$\$"!8\0E0<-1!N50J:/>.!P5</JE/I:/>?!!"E%\$!8!G/1/6W:J!P5</JE/I:/>?3

#\$3 ^0.50!/J! Q<>Q0<!/!.0WJ:</I!>! K</L>.-!5.E0<! #)! d393C3! "\$*8_?8"?!
_0!-5J0!-!10-J!>.0!>!\:W0!,0\0.E-:J!<0J/E0J!/:!W/J!./J:</I!-E!-11!,0\0.E-:J!<0J/E0!/:!
K</L>.-3

##3 ^0.50!/J! -1J>! Q<>Q0<!/!.:W/J! P5E/I/-1! E/J:</I!5.E0<! #)! d393C3! #?!
_0!-5J0! -! J5_J:-./-1! Q-<:! >!\:W0! 0G0.:J! -E! >R/JJ/>.J! 6/G/.6! <J0!J/>ofJ! -E!
9IW51LT0fJ! /RJ!>I!5<<0E!F:/W!/:W/J!</I:3

-)+%"!1!)11&4)%\$,#(_____)!

-./0/\$(+)I\$&2)13. %4\$")5++&\$%6(#/+30+%&3)0. 7"\$4)43 5 5+%&(8)

#&3 HW0!C/:7!>!\!95<Q<W0!EJ!<0651-<!R00:/6J!>!\:J!C/:7!C>5.I/13

#3 HW0!R-7><!/J!:W0!Q<0J/E/.6!>\I0<!>!\-11!C/:7!C>5.I/1!R00:/6J3!95<Q

K</L3@!V5./I/Q-1!C>E0!n

!

!

&

#)3 K</L>.-!1-F!Q0<R/:J!R0R_0<J!>\!:W0!Q5_1/!!:>!!</:/!L0!R0R_0<Q5_1/!!
_>E7E5</.6!-!Q5_1/!!>RR0.:!Q0</@!Q<>G/E/.6!:W-!-!b:W0!!>.I15J/>.!>\!-!>Q0!!-11!:>
:W0!Q5_1/I@!/.E/G/E5-1!R0R_0<J!>\!:W0!Q5_1/!!_>E7!R-7!<0JQ>.E!:>!!</:/!JR!R-E0!
FW>!W-G0!-EE<0JJ0E!:W0!Q5_1/!!>E73c!

#*3 K</L>.-! 1-F! -11>FJ! Q5_1/!! _>E/0J! :>! I>.J/E0! :W0! Q5_1/!fJ! <0R-<TJ@
bR0R_0<J!>\!:W0!Q5_1/!!_>E7!JW-11!.>:!E/JI5JJ!><!-T0!106-1!-!:/>.!>.!R-::0<J!<-/J0E!

\$'3 HW0!<51E0k/G0!\<:R\W0!C/:7!>\!95<Q</J0!A>1/I/0J!o!A<>I0E5<0J!@!-.5-1
:<50!-.E!|><<0!;!|>Q7!>\!FW/IW@!-J!R-E0!-G-/1-_10!>.1/.0@!//J!-:&890E!+J@!-.E
\<>R!Q-60!#++!#JbZ510J!\><!W0!A5_1/!-!C>5.I/1!V00:/8W0!bZ510J!\><!W0!A5_!1/c?

\$'3 e.!K565J:!'@!#++#%@!\>11>F/.6!-!<0G/0F!>\!W0!C/:7!>\!95<Q</J0!
A<>I0E5<0J!V-.5-1!_7!:W0!Z510J!C>RR/::00@!W0!C/:7!C>5.I/1!<0-V<R0E!:W0!Z510J

A5_1/!B

\$)3 HW0!C/:7!>\!95<Q</J0!<0-V<R0E!/:J!5W0!C>5.I/1!C</:/I/JR!A>1/I7

!

(

<0\0<0.I0!:W-:!:0.EJ!:>!/E0.:^7!W/RXW0<3!K.7!J5IW!IW-<60J!><!
l>RQ1-/:.J!JW>51E!_0!J5_R/::0E!E5</.6!.><R-1!_5J/.0JJ!W>5<J!
:>!:W0!C/:7!V-. -60<! \><!-QQ<>Q</-:0!'/>.

Dk3! `!Dk3C!-:#!#>3

!

9 #23/): #"""); +435+(0/#\$(+)%+. &/#")(0++4<)#73. &- . /0/\$(+)'\$4\$#"()#%,)+5 0"32++()
, . /\$%6)I&2)I3. %4\$")5 ++&\$%6(8!

;%\$3 HW0! C>5.I/1! C</:/!JR! A>1/I7! Q0<R/:J! -.E! F01l>R0J! Q<-/J0J! -.E! .05:<-

JQ00IW!E5</6!7!C>5.I/1!R00:/ .6&

%%3S><!0k-RQ!0I

-? e.!,0I0R_0<!#>@!#>##@!-!R0R_0<!>!\!:W0!Q5_1/!J-/E!JW0!bl-R0!V

:>! :W-.T! -11! >!\ 7>5! \><! 0G0<7:W/.6! :W-:!\ 7>5fG0! E>.0! \><! :

><6-./L-:/>.@c! -.E! bJQ0l/-117! :Wgph! C>5.I/1R0R_0<! Z>1-.E!

[/:0<J c!\><! b-11!>!\ :W>J0!70-<J@!7>5! W-G0!_00!J>!/ .J:<5R0.-

J5QQ><:/.6!:W0!-<:J@c!-.E!W-.E0E!:W0!C>5.I/1R0R!0<!-!6^:3

_? e.!KQ</1!")@!#>##\$@!-!R0R_0<!>!\!:W0!Q5_1/!Q<-/J0E!:W0!CW/0\>

>!\!:W0!C/:7!>!\95<Q</J0@!J-:/ .6!:W-:!\b/!\:W0<0!/J!0G0!'J7!@J50J

:<5J:!/ .! CW/0\q-!>!\ E>! FW-:!/J! .0I0JJ-<7! \><! W/J! E0Q-<:R0.:>!

l>.:.50!>!\Q<>G/E0!J0<G/I0J!/.!-!Q<>\0JJ/>.-1!R-..0<@c!-.E!Q<-/J0

b-11!:W0!R0R_0<J!>!\!:W0!95<Q</J0!A>1/I0!,0Q-<:R0.:c!\><! b7>5<

F><T!-.E!E0G>:/>.:>!\J0<G/I0!\><!>5<!>RR5./!0J3c

l? e.!el:>_0<!"(@!#>##\$@!-!R0R_0<!>!\!:W0!Q5_1/!Q<-/J0E!:W0!A-<T

Z0l<0-:/>.:>!\<0!><!\>!\!:W0!C/:7!>!\95<Q</J0@!J-7/.6!:W0!/<0!><6-0

-! b6<0-:!\Q<0J0.-:/s! -.E! W0! F-:0E! :>!\ 6/G0! bW0<! -.E! W0<! J-:\! -!

!

)

&(3 KJ!V-JJ/0!-QQ<>-10E!W0!Q>E/5R@!JW0!.>:/I0E!V-7><!]-11!<>110E!W/J!

FW/10!J-7/.6!bV/JJ!V-JJ/0!F-.:J!:>!JQ0-T!:>!5J!-6-/l/c

&)3 V-JJ/0!:>1E!W0!7><@t>5!I-!<>11!7>5<!070J!-11!7>5!F-.:@!V-7><3c

&*3 ,5</.6! :W0!Q5_1/!! I>RR0.:! Q0</>E! :W0! K565J!:@! #+@%0651!C/:7!

C>5.I/1!

!

'''

- ./0/\$(+03"\$4+), +&#%) 9 #(\$+)#& 9 #23/): #""?(), \$/+4&\$3%)#'&+/(<+3003(+()#/#\$(+)'3/)&<+)
I \$&2)A&&3/%+28)

"3 HW0!C/:7!C>5.I/0k!:R0:!:>.!K565J:#!#+@!#-3#%

'(3 V-7><!]-11!Q<0J/E0E!>G0<!W0!K565J:#!#+!R00:/63

)3 KJ!:W0!Q<0J/E/.6!>\\10!>W0!K565J:#!#+!R00:/6@!V-7><!]-11!Q</J0fJ!

V.-1!E0I/J/>.R-T0<!/.!/RQ10R0.:/.6!:W0!Z510J!\><!W0!A5_1/I3

*3 HW0!C/:7!C>5.I/1fJ!-60.E-!\><!W0!K565J:#!#+!R00:/6!-..>5.I0E!:W0!_>E7

F>51E!!>.J/E0<!.!/.!<0-J0!:>!:W0!-::><.07fJ!J-1-<73

(+3 HW0! Q<>Q>J0E! -R0.ER0.:! :>! :W0! bDRQ1>7R0.:! K6<00(>7R) -1 (0) 1

!

"#



('3 V-JJ/0!N50J:/>.0E!:W0!Q<>Q>J-1fJ!-JJ0<:/>.:!W7!W0!07!W-E!E>.0!.

b0kI0Q:/>.-1c!P>_Dk!K-!"I&)I\$%3?</p></div>

((3 V-JJ/0!J5QQ><:0E0<!Q>J/!>7!UW<6!W0<!G/0F!:W-!!W0!::><.07!W-E@!

/.!W-.E1/6!I>RQ1-/.:J!-_>5!:!W0!I>.E5!;!>!-!R-7><-1!!-E/E-:0@!.>:!!>RQ1/0E!F!W!W

C>.J:/:5:/>.@!J:-:0!1-F@!><!W/J!E5:/0J!>!Q<>\0JJ/>.-1DkE!3

!

"\$



)'3

!

"%

*'3 V-7><!]-11!E/<0!0E!/:7!>!95<Q</CW/0>!\A>1/I0;0..7!A/q-!:>!bW-G0!
J>R0_>E7! I>R0! E>F.! W0<0! -.E! 0J!>4JJV-JJ/0! >5:! >! :W/J! IW-R_0!<Dk3! K-!</p></div>

#I+#!"%3?

*(3 V-JJ/0!Q10-E0E!F/:W!V-7><!]-11!:>!E0:-/!.!W0k/!\<>.:!>!R7!"+M70-4M
>1E!E-56W308Dk3!K-!#I+#!"%3?

*)3 V-7><!]-11!<0JQ>.E0E9W0!I-.!6>!F/:W!7>58Dk3!K-!#I+#!"%3?

!

"&

\$#6"*7!%,!01)\$#%\$-- ()

"#(3 ,0\0.E-.:J!/.P5<0EV-JJ/0!_7U/10.I/.6@!E0:-/./6@!-.E!-<<0JW6<!_0I-5J0!
JW0!I</:/I/L0E>G0<.R0.:!>\VI/-1J -.!0k0<I/J0!>\k/6W:JW/6W!/.!:W0!W/0<-<IW7!>!S/<.
KR0.ER0.:!G-150J30#23,%@!&)&!d393!+"3!

"#)3 HW0!C/:7!>!95<Q<W0G/>1-:0E -.E!>.:/.50J!:>! G/>1-:0 V-JJ/0fJ!-.E!
9IW51LT0fJ!S/<J:!KR0.ER0.:!</6W!0J:-_1/JW/.6@!R-./:/6@!-.E!0.\><I/.6Q>1/I7
-11>F/.6!JQ0-T0<J!:>!Q<-/J0!I/:7!>\VFW/10!><_/EE/.6!:W0R!\<>R!>RQ1-/./6!-_>5:!
:W0!J-R0!>\VI/-1J3

"#*3 V-7><!] -11!/.P5<0EV-JJ/0!_7!><E0</6!W0<!>!bJ:>Q!:-1T/.6c!.06-:/G017!>
6>G0<.R0.:!>\VI/-1@!I5:./6!>\!W0C-11!>:W0A5_1/c!<0R-<TJ!-!:W0!K565J!:#+!C/:7!
C>5.I/1!R00:/6@E!E/<0I:/6!Q>1/I0!:E0:-/!-.E!0P0!;!W0V-7><!] -11fJ!G/0FQ>/M
E/JI</R/-:><7-.E! I>.:0.: NE/JI</R/-:><7E/<0I:/G0G/>1-:0EV-JJ/0fJ! F01WJ:-_1/JW0E!
S/<J:!KR0.ER0.:!</6W!:>!-EE<0JJ!-IQ5_1/I!>E7!/.!->.E/J<5Q:/G0E5<06!-IQ5_1/I
I>RR0.:!Q0</>B

"\$+3 e\VI0<! 9W0<./I>\! /.P5<0EV-JJ/0! _7! I-<<7/.6! >5: V-7><!] -11fJ!
5.I>.J:/:5/>.-1!E/<0I:/G03!9W0<./I!M!:/>.J !!>RQ>5.E0E!W0!G/>1-:/>.!>\!V-JJ/0fJ!S/<J!
KR0.ER0.:!</6W:J!_7!G/>1-:/6!W0<!S>5<:W!KR0.ER0.:!</6W!:>_0E5<06!>.-_10!
J0/L5<03

"\$"3 e\VI0<!9W0<./I>\!QW7J/I-117!/.P5<0EV/0!/:W0!>5<J0!>!E0:-/./6W0<!
FW/10! I-<<7/.6! >5: V-7><!] -11fJ! 5.I>.J:/:5/>.-1! E/<0I:/G030<./I>\! I-5J0E! \5<:W0<!
/.P5<7!:>!V-JJ/0fJ!>.J:/:5/>.-1!</6W:J!_7!QW7J/I-117!<0R>G/.6!W0<!\<>R!-!Q5_1/I!\

!
")

Q5JW/.6!W0<!-6-/.J:~!F-11 @!W-.EI5V.6!W0<@!-<<0J:/.6!W0<@!-.E!<0R>G/.6!W0<!:>

\-I/1/:7 @!FW0<0!JW0!F-J!V.60<Q</.:0E @!J0-<IW0E @!-.E!W01E

"\$#3 V-7><!]-11!-.E!e\VI0<!9W0<./I>\!/.P5<0E! V-JJ/0!_7!0.\><I/.6@!:W<>56V

QW7J/I-1!\><I0@C\50/1!C</:/I/JR!A>1/I7!\<>.:!>\!V-JJ/0fJ!R/.><!E-56W:0<@/!\<>.:!

>\!W05E/0.I0!-JJ0R_10E!\><!:W0!K565J:~#+!R00:/.6@!\<E!>\!-11!:W>J0!F-:IW/.6!

>.1/.0!-.E!FW>1-:04-:IW0E>.1/.03

"\$\$3 V-7><!]-11!Q<>R/J0E!<0Q0-:~W/J!5.I>.J:/:5:/>.-1!>.E5!: @!F-<W6JJ/0@!

>.1>>T0<J@!-.E!G/0F0<J!>\!W0G/00!F/11!W-G0!Q>1/I0!<0R>G0!:WG0!F!W0!

C>5.I/1!C</:/I/JR!A>1/I7E5</.6!5:5<0C/:7!C>5.I/1!R00:/.6J3!

"\$%3 V-7><!]-11fJ!F/11/.6.0JJ!>!G/>1-:0!V-JJ/0fJ!S/<J!KR0.ER0.:!</6W:J!-:~!W

W-.EJ!>\!-F!0.\><I0R0.:~W-J!-!IW/11/.6!0\0!V>JJ/0@!9IW51LT0!-11!:W>J0!FW>IF/JW!

:>!-EE<0JJ!W0!Q</J0!C/:7!C>5.1/1

"\$&3 S><!9IW51LT0@!:W0!C/:7!>\!95<Q</J0fJ!R-/:.0.-!0!-.E!0.\><I0R0.:!>!~V

C>5.I/1!C</:/I/JR!A>1/I7!/.W/_:J!W/J!-_1/:7!>!JW-<0!W/J!G/0FJ!-:~!C/:7R095.61!@!

\<5J:<-:/.6!W/J!-_1/:7!>!10-E!W/J!><6-./L-:/>.fJ!0\><:J!>!I>.G07!:W0!G/0FJ!>\!95<

<0J/E0.:J!>!~W0/<!C/:7!C>5.I/13

"\$'3 HW0!C>5.I/1!C</:/I/JR!A>1/I7fJ!Q<0J0.I0!/.k510U!-.E!:W0!Z510J!W0!

A5_1/I@!-.E!V-7><!]-11fJ! <0I0.:~W/J!0>7k!/.6



!

#+

"%#3 Y.!-!Q5_1/! !_>E7fQ5_1/! I>RR0.!Q0</>E@! I>.10=:J0E! <0651-:/> .J! -<0
Q0<R/JJ/_10!>.17!FW0<0!:W07!-<0!bG/0FQ>/:!.05:<-1!-.E!0.\><10E!0#*8F45!?!?

#)A,%,! "\$2@!#!S3\$E!*" @!*(&!8*:W!C/<3!#+"+?3

"%\$3 b^/0FQ>/:!.E/JI</R/./>./!/J!/RQ0<R/JJ/_10!>.!R-:0<! :W0!\><5R36!45!
/?&,* . !A895!/-&@!&%!S3%:W!""&#@!""#!8*:W!C/<3!#+##?!8/!:0<.-1R50E73.!

"%%3b^/0FQ>/:!.E/JI</R/./>./!/J!-!06<06/>5J!\><R!>! I>.:0.:!E/JI</R/./>.!
-E! /J! Q<0J5RQ:/G017! 5.l>.J:/:5:/>.-1308\$! 45! 7*\$%@&))! d393! \$)) @\$\$! 8#+*"?!
8/!:0<.-1!N5>:-:/>.!>R/::0B?

"%&3 e.!:J!\-I0@!W0C>5.I/1!C</:/I/JR!A>1/I7fJ!Q<>W/_:/>RQ1-/:Jc!-_>5:!
I/:7!>VI/-1J!-.E!0RQ1>700Q0<R/:J!F>!Q>/:J!>!G/0F!81-5E-:><7!><!05:<-1!JQ00IW!-_
Q5_1/!>VI/-1J?!FW/10!\><_EE/.6!-!:W/<E!8I</:/I-1!JQ00IW!-_>5:!:W0!J-30!>VI/-1J?

"%'3 HW0! C>5.I/1! C</:/I/JR! A>1/W0<0>40E/V0J G/0FQ>/:!.E/JI</R/./>./!

!

#"

"&&3 K. 7! /.:0<0J:! /! Q<0G0.:/.6! :W0! C/:7! C>5.I/1! \<>R! -!:/6! >! -! \><R-1!
I>RQ1-/:!F/:W>5:~EG-.!0!>:/!0!>!:W0!Q5_1/!!-!_0!J0<G0E!F/:W>5:!Q<>W/_/:.6!:W0!Q
\<>R!R-T/.6!!<:/!-1!!>RR0.:J!E5</.6!Q5_1/!!R00:/6J3

"&'3 S><!0k-RQ10@!:W0!C/:7!C>5.I/1!!>51E!Q<>W/_/:!/:J!>F.!R0R_0<J!\<>R!
>.!-!\><R-1!!>RQ1-/:!5.:/1!:W0!.0k:!<<0651-<!R00:/63

"&(3 ;5:!\><! :W0C>5.I/1! C<:/!//JR! A>1/!7.E! 95<Q</J0fJ! 0.\><I0R0.:! >! :W0!
Q>1/!7@! A1-/:!\J! F>51E! -:0.E! 95<Q</J0! C/:7! C>5.I/1! R00:/6J! -.E! I<:/!L0! 95<Q
6>G0<.R0.:!\>\VI/-1J!E5</.6!:W0!1!>:W0!A5_1/b!!>RR0.:!Q0</>E3

"&)3 HW0!b1>JJ!>\!S/<J:!KR0.ER0.:!\<00E>RJ@!\><!0G0.!R/./R-1!Q0</>EJ!>\!
5.N50J:/>.-_17!!>.J:/:5:0J!/<<0Q-<_10!/.P5<7!45!7\$*%&#(!d393!\$%(@!\$(\$!8"*('?3

"&*3 A1-/:!\J!-<0!0.:/10E!>!--!/.P5.I:/>.!-6-/J:!!0.\><I0R0.:!>! :W0!C>5.I/1!
C<:/!//JR!A>1/!73

"!+3



!

#%

"*)3 b[W0.! JQ00IW! /J! /.G>1G0E@! </6><>5J! -EW0W0!0!xON5/<0R0.:J! /J!
.0I0JJ-<7!:>!0.J5<0!W-!-R_/65/:7!E>0J!.>:!!W/11!Q<>:0!0EJ000W8\$&%3

"*3 HW0C>5.I/1!C</:/I/JR!A>1/I0FW/IW!_<bl>RQ1-/:J!-6-/J!:-.7!0RQ1>700!
>! :W0!C/:7!><!R0R_0<J!>! :W0!<0E7E10JJ!>!\FW0:W0<!J5IW!Q0<J>.!/J!/E0.:/V0E!./!
Q<0J0.-:/>.!_7!-R00\-/1J!:>!Q<>G/E0!R0R_0<J!>! :W0!Q5_1/I!J5\//0!>!\FW-!/J!
<0J:</I:0E!J>! :W-!:W07!R-7!-!:-II><E/673!0k-RQ10@!C001/1!C</:/I/JR!A>1/I7
10-G0J!<0J/E0.:J!650JJ/.6!FW0W0-6!>!.0<.! -_>5!:-!E0Q-<:R0.:fJ!Q0<\><R-.!0!/J!
0N5/G-10.:!>bl>RQ1-/.:c!-_>5!:W0!W0-E!>! :W-!:E0Q-<:R0.:3!K.E!/:!Q<>G/E0J!>!65/E-
-J!:>!FW0:W0<P0I:/6!:>!.!><E/-.!0fJ!Q-JJ-60!>5.:J!-J!-!bl>RQ1-/.:c!-6-/J! :W>J0!
FW>!G>:0E!>4!#3!E>0J!/:!R-T0!I10-<!FW0:W0!</:/I/JR@!><!0G0!-!<0N50J! :W-!
>VI/-1J!!-<<7!>5!:W0/<!E5:/0J!E\0<0.:17!W-!:W07!W-G0@!>!.J:/:5:0J!-!bl>RQ1-/:.3c

"(+3 HW0C>5.I/1!C</:/I/JR!A>1/I7/R/1-<17/1J!:>!Q<>G/E0!J5\VI/0.:!Q<0I/J/>.!
-E!65/E-.!0!J>! :W-!:W>J0!0.\></I.6!W0!Q>1/I7!E!>.:!-!/:!-!<_/:<-<7!><!E/JI</R/-.><7

F-73

"("3 HW0C>5.I/1!C</:/I/JR!A>1/I0FW/IW!\-/1J!:>!Q<>G/E0!R0R_0<J!>! :W0!Q5_1/I!
J5\VI/0.:!/\><R-:/>.:!>!I>.\><R!:W0/<!I>.E5!/:>!:W0!<0N5/<0R0.:J!>! :W0!Q>1/I7@!IW
A1-./:\J!-E!>:W0<!R0R_0<J!>! :W0!Q5_1/I!\<>R!0.6-6/.6!/:!Q<>:0!0E!S/<J!KR0.ERC
JQ00IW3

"(#3 HW0C>5.I/1! C</:/I/JR! A>1/I7>E/V0J@.G:/0J@! I-5J0@! -.E! /J! 5J0E! :>!
\I/1/-:0!G/0FQ>/.:!E/JI</R/-.>/.>.B



"(\$3 V-7><!j-11!5J0J! :W0>5.I/1! C</:/I/JR! A>1/I7.>! J5/;! W/J! >F.! FW/RJ

.-R017@!:>!Q<>W/_/!:-.E!<0J:</I:!!</>M95!Q</J0!0RQ1>700J3

"(%3 HW0>5.I/1!C</:/I/JR!A>1/I7J!\-I/-117!G-650!\><! :W0!<0-J>.J!J:-:0E!- _>G0

-.E!/J!G-650!-J!-QQ1/0EJQ0-T0<J!1W0J/0!_0I-5J0!:W0!Q>1/I7!E/E!.>:!6/G0!V-JJ/0!\-/<!

.>:/I0!:W-:!W0<!!>.E5!:\011!F:/:W/! :W0!Q>1/I7

!

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%5\$*' !+1)\$/ !
2:>?@<:>A!>B!-:CD<!@AG!->WC<FFA<9!)EFAGEFA<D
,YFC;CF@Gk9
LM!"N(N+N!O!PQRS



!

#(

-? V-JJ/0fJ! .>. M/J<5Q:/GQ:/I/JR! >! :W0! Q<>Q>J-1! :>! /.I<0-J0! :W0
J-1-<7!>!\:W0!7!- ::><.07!

_? K!JQ0-T0E/J-6<00/.6!F/:W!-!>5.I/1R0R_0<fJ!G>:E!

I? K! J:-:0R0.:! :W-:! R0R_0<J! >!\:W0! C/:7! C>5.I/1! E>! .>:! -E0N5-:017
-EE<0JJ!><R!E<-/.-603

")3 V-7><!j-11@!FW>J0!-5:W></:7!-J!Q<0J/E/.6!>\VI0<!<0N5/<0J!W/R!:>!\:0<G

<510J!-QQ1/I-_10!:>!Q5_1/!!>RR0.:J@!W-J!/:0<Q5E1:W0:/I/JR!A>1/!7!<0-IW!

-.7!b-:-IT!g>.h!-.7!J:-\!R0R_0<c!><!!/:7!>\VI/-1!Dk3!K-:#!+"I&"3

")3 H>!:W0!0k:0.:!W-:!:0/5.I/1!C</:/I/JR!A>1/!7!/:0.E0E!:>!Q<0G0.:!W0!C/:7!

C>5.I/1!\<>R!-!/:.6!>.!-!\><R-1!I>RQ1-/:.!F/:W>5!-EG-.!0! .>:/!0! :>! :W0! Q5_1/I@! :W-

/.:0<0J!:I-!_0!J0<G0E!F/:W>5!Q<>W/_/:.6! :W0! Q5_1/!!<>R! R-T/.6! .06-:/G0! I>RR0

E5</.6!Q5_1/!!R00:/.6J3

")3

/.I<0-J0!\><!95<Q</J0fJ7!-::><.07G/-!:W0!G/0FQ>E/JI</R/.-:><7C>5.I/1!C</:/I/JR!

A>1/I7!V-7><!j-11fJ!-I:/>.J!E0Q</G0EJ/0!>!W0<!S/<J:!KR0.ER0.:!</6W:!:>!Q0-I0\5117

I</:/I/L0!Q5_1/!>\VI/-1J!-.E!JQ0-T!-_>5:!R-::0<J!>\!Q5_1/!!>.I0<.3

***3 V-7><!j-11!0.6-60E!./!/RQ0<R/JJ/_10!I>.:0.:!E/JI</R/.-:/>.!_7!5J/.6!W/J!

J:-:5J!-J!CW-/<!>! :W0! C:/7! C>5.I/1! :>! J5Q0<Q/J0fJ! I</:/I/JR! >! -! Q<>Q>J0E! Q-7!

/.I<0-J0!\><!95<Q</J0fJ7!-::><.07! G/-!:W0! I:0.: NE/JI</R/.-:><7 C>5.I/1! C</:/I/JR!

A>1/I7!V-7><!j-11fJ!-I:/>.J!E0Q</G0EJ/0!>!W0<!S/<J:!KR0.ER0.:!</6W:!:>!Q0-I0\5117

I</:/I/L0!Q5_1/!>\VI/-1J!-.E!JQ0-T!-_>5:!R-::0<J!>\!Q5_1/!!>.I0<.3

#++3 Y:!/J!I10-<17!0J:-_1/JW0E!:W-:!!</:/I/L/.6!6>G0<.R0.:!>\VI/-1J!b/J!-!:W0!C

I0.:0<!>\! :W0!!>.J:/:5:/>.-117!Q<>:0!0E!-<0-!>\!<00!E/JI5.6/!&36!(,..@\$)\$!d393!-:!)&3

#+"3

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0?



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#"%3 ;5:!\><!V-JJ/0fJ!Q<>:0!0E!0kQ<0JJ/>.!|</:/L/.6!V-7><!]-11 @!V-7><!]-11fJ

-11/0J@!-.E!95<Q</J0!J!><.07 @!V-7><!]-11!F>51E!>:!W-G0!I0.J><0E!W0<!K565J:!

#+#%&0R-<TJ!><!E/<0!0E!Q>1/I0!>:!E0:-!W0<3

#"&3]-G/.6!<0R-<TJ!- _<5Q:17!I0.J><0E!-.E!_0/.6!E0:-/0E!_7!Q>1/I0!F>51E!E0:

-!Q0<J>.!>!\><E/.-<7!V<R.0JJ!\<>R!|>.:/.5/.6!>:!0.6-60!/.!Q<>:0!0E!S/<J:K!R0.ER0.:!

-I:/G/:73

#"3 V-7><!]-11fJ!-I:/>.J!>:!.>.17!Q<0R-:5<017!I5<-:/V0EJ/0fJ!0k0<I/J0!>\!W0<!

S/<J:K!R0.ER0.:!</6W:J@!_5:~1J>I!W/1\0R!W0<6/.6!/.!Q<>:0!0E!S/<J:K!R0.ER0.:!

-I:/G/:7J/.I0!JW0!>F! <0\<-/.6!\<>R!|</:/L/.6!95<Q</J0!6>G0<.R0.:!>\VI/-10/:7!

C>5.I/1!R00:/.6J!E50!>:!V-7><!]-11fJ!-I:/>.J!>.!K565J:!\#+ @!\#!#%3

#"(3 KJ! -! E/<0!>!.E! Q<>k/R-:0! I-5J0! >!\ V-7><!]-11fJ! -I:/>.J!@JJ/0! F-J!

!

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(\$[%5!+1)\$/ !
 -:CD<!)EFAGEFA*!
 -CFFG>E!>B!(IFFJ9K!-CFFG>E!>B!0Fk:<:>A
 LM!"N(N+N!O!PQRS
 T?@:A<:BB!/@DD@!@D<!FBFAG@A<!(9FC@>C>@E@UFD

-I:5-1!-.E!!>RQ0.J-:><7!E-R-60J!-6-/.J!:e\|0<!9W0<./I>\|/!-!-R>5.!:>!_0!Q<>G0!-!:

:</-B

##&3 e\|0<! 9W0<./I>\|fJ! I>.E5!;! :>F-<E V-JJ/0! <0IT10JJ17! -.E! I-11>5J17!

E/J<06-<E0E!-.E!F-J!/.E/\0<0.!>JJ/0fJ!S/<J:K!R0.ER0.:k/6W:J!_0I-5J0!W0!-I:0E!F:/W!

:W0!/.:0.!:>!J5QQ<0JJ!W0<!.>.E/J<5Q:/G0!Q>1:/I-1!JQ00IW3!KII><E/.617@!Q5.//G

-<0! -QQ<>Q</-:0! -.E! .0I0JJ-<7! :>! Q5./JW! e\|0<! 9W0<./I>\|! \><! -!<VE6//0fJ!

I>.J:/:5:/>.-1!</6W:J!-.E!:>!E0:0<!J/R/1-<!G/>1-:/>.J!/.!:W0!5:5<0

(&2&#%5!+1)\$/ !

2:>?@<:>A!>B!->WC<9!)EFAGHFA<

"A?@\BW?!(F:JWCF!@AG!-@?DF!)CCFD<

LM!"N(N+N!O!PQRS

T0?@:A<:BB!/@DD:F!@EFAG@A<D!5@??!@AG!(9FCA:J>BB!

&\$45%5!+1)\$/ !
2:>?@<:>A!>BD\$EFAGEFAH!
*F<@?:@<>CV!)CCFD<
LM!"N(N+N!O!PQRS

T?@:A<:BB!/@DD@!@<!'FBFAG@A85@7@E@ZF

#%+3 V-JJ/0! <M 1060J! -.E! M><Q><-:0J! :W0! Q<0!0E/.6! Q-<-6<-QWJ! -J! :W>5

\5117!J0!:!\><:W!W0<0/.3

#%"3 V-JJ/0! 0.6-60E! /! |>.J:/:5:/>.-117! Q<>:0!:0E! JQ00IW! FW0! JW0! I</:/I/LO

V-7><!] -11 @!V-7><!] -11fJ! -11/0J@! -.E! -!Q<>Q>J0E!Q-7!/!.I<0-J0!\><!95<Q</J0!7B

#%#3 ,0JQ/:0!T.>F/.6!:W0<0!F-J!.>!Q<>_ -_!5J0!:>!E0:-/!><!--<<0V-JJ/0!\><!

W0<I!>.J:/:5:/>.-117!Q<>:0!:0E!JQ00IW@!V-7><!] -11fJ! -11/0J@! -.E! -!5J0E!e\|0<!9W0<./I>\!

:>!E0:-/!-.E!-<<0JV-JJ/0!/.!<0:-1/-:/>.!><!0k0<I/J!.6!W0<I/S/<J:!KR0.ER0.:!<!6W:J3

#%\$3 ;5:!\><IV-JJ/0fJ!Q<>:0!:0E!JQ00IW!<06-<E/.6!V-7><!] -11 @!V-7><!] -11fJ! -11/0J@!

-.E! 95<Q</J0fJ!7! -::><.07 @!V-7><!] -11fJ! -11/0J@! -.E! -!5J0E!e\|0<!9W0<./I>\! :>!

E0:-/!-.E!-<<0J!:W0<3

#%%3e :W0<I!JQ0-T0<J!-!:95<Q</J0!C:/7!Q-50/16J!W-G0!Q<-/J0E!-.E!>:W0<F/J0

0kQ<0JJ0E! G/0FJ! -_>5:!6>G0<.R0.:!>\|/-1J3!HW>J0! JQ0-T0<J!W-G0! .>: !_00!E0:-/!

-<<0J:0E3

#%&3KJ! -! E/<0!:-.E! Q<>k/R:-0! I-5J0! >! V-7><!] -11fJ! -!:/>.J@JJ/0! F-J!

E0Q</G0E!>!W0<I!>6W:J!65-<-:00E\$-7J!KR0.ER0.:!-.E! J5\|0<0E! E-R-60! :>!W0<I!

<0Q5:-/!>.@!QW7J/I-1!W0-1:W@!-.E! R0:-1!W0-1:W@!-.E! J5\|0<0E! R0:-1!-.65/JW@

E/J:<0JJ@!W5R/1/-:/>.@!Q5_1/!0R_-<<-JJR0.:@!-.E!106-1!-.E!>W0<I!>6W:J!65-<-:00E\$-7J!KR0.ER0.:!

-!5-1!-.E!>RQ0.J-><7!E-R-60J!-6-/J!:V-7><!] -11fJ! -!:/>.-117! Q<>:0!:0E! JQ00IW! FW0! JW0! I</:/I/LO

#%3 V-7><!] -11fJ!I>.E5I!:>F-<E V-JJ/0!<0IT10JJ17!-.E!I-11>5J17!E/J<06-<EO
-.E!F-J!/.E\0<0.:!>V-JJ/0fJ!</6W:J!_0I-5J0!W0!-I:0E!F:/W!:W0!/:.0.:!>J5QQ<0JJ!
.>.E/J<5Q:/G0! Q>1:/I-1! JQ00IW3! KII><E/.617@! Q5./:/G0! E-R-60J! -<0! -QQ<>Q<
.0I0JJ-<7!:>!Q5./JW!V-7><!] -11!\><!- _</E6/6J/0fJ!I>.J:/:5:/>.-1!</6W:J!-.E!:>!E0:0<!
J/R/1-<!G/>1-:/>.J!/:!W0!\5:5<03!

##%5!+1)\$/ !
2:>?@<:>A!>B!-:CD<K!->WC<9K!@AG!->WC<FFA<9H)EFAGEFA<D
/WA:J:I@?!1:@;?:<V!WA@FC!""!!
LM!"N(N+!O!PQRS
T0?@:A<:BB!/@DD@!@<!FBFAG@A<!+:<V!>B!(WCIC:DFZ!

#%(3 !V-JJ/0!<0M11060J!-.E!M0><Q><-:0J!:W0!Q<0I0E/.6!Q-<-6<-QWJ!-J!:W>5
\5117!J0:!\><:W!W0<0/.3

#%)3

!

\$*

#&)3 ;0I-5J0! e\|0<! 9W0<./I>\| -I:0E! 5.E0<! :W0! ><E0<W!>1! Q>1/I7R-T0<
V-7><|j-11!-.E!Q5<J5-..!>!:W0!C>5.IK/!/JRA>1/I7 @! :W0!C/:7!>\!95<Q</J0!/J!<0JQ> .J/
\><!9W0<./I>\|fJ.J./:5:/>.-1!G/>1-:/>.J!5.E0<!%#!d393C3!n!!*)\$3

0*)7&*!-,!*&1\$&- _____!

A1-./:\J!<0JQ0!:\5117!<0N50J!:W/J! C>5<:! 0.:0<! P5E6R0.:! -6-/J:!,0\0.E-..J! -.-E
/JJ50!:W0!\>11>F/.6!<01/0\

K3 D.:0<!-!Q<01/R/.-<7!-.E!Q0<R-.0.:!.P5.I:/>.!0.P>/./!6W0!C/:7!>\!95<Qk/J0
\<>R! 0.\><I/.6! :W0C>5.I/1! C</!/JRI A>1/I7E5</.6! R00:/6J!>!\! :W0! C/:7!

!

%'

'&/)#! -,*!6"*7!%*\$)1 !

Y.!!>RQ1/- .IO!F/:W!S0E0<-!Z510!>!\!C/G/!1A<>IOE540!\$)@E0R-.E!-!:</-!_7!

P5<7!>.!-11!/JJ50J!J>!:</-_103

,-:0E!90Q:0R_0<!\$@!#4#%
!!

Z0JQ0!:\511J3_R/::0E@
!

XJX./01!23!45/6107!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

,-/01!23!45/6107

89:-:0!;-<!=>3!+""+&#?>

, !"#\$%&234 '#(%\$) @A3B3C3

&%#&!D3!;<>-EF-7!;1GE3@!9:03!\$&#

H5IJ>.@!K</L>.-!)&("!

8&#+?!)(%\$\$+

N5/6107OEPNQ1!3!>R

!

C>.><!H3!S/:LQ-:</IT