!

- *[%##$=!$K#'R#H$*!KH*?0E#!0<$0)G=!0<=*!H#'›!Q*H›E!#\K#H0#<M#$!0<!K%V›0M!*
  @'<')#@#<=,!0<M›%E0<)!›#'E#H$G0K,!'<E!KH*D#M=SKH*)H'@!*
  @'<')#@#<=!

!

- *0'$#!$=%E0#$*!'»*Q!$=%E#<=$!=*!#\'@0<#!M*@@*<!H#'›6Q*H›E!#?#<=$!*
  '<E!'KK›(!=G#!P*%<E'=0*<!0<P*H@'=0*<!'<E!=G#*H0#$!=*!=G*$#!#?#<=$!

!

- *U<6M›'$$!KH*D#M=$!'*»*Q!$=%E#<=$!=*!KH'M=0M#!=G#!$R0›$!*P!MH0=0M'›!*
  =G0<R0<)!'<E!KH*D#M=!@'<')#@#<=!!
  !

FGH*%)G*%=!=G#!M*%H$#!Q#!Q0»!%$#!KH'M=0M'›!$0=%'=0*<$!=*!#?'›%'=#!=G#!M*<<#M=0*<!V#=Q##<!=G#*H(!'<E!KH'M=0M#B!

!

0&>.'*$T&"@'$"#G$!)>G*#)$4*".#,#7$1?Z*A),-*'$

$

T164Q$F*!#E%M'=#!K%V›0M!'E@0<0$=H'=0*<!'<E!<*<6KH*P0=!KH*P#$$0*<'›$!'V*%=!MH0=0M'›!=G0<R0<),!E#M0$0*<!@'R0<),!›#'E#H$G0K!'<E!KH*D#M=SKH*)H'@!@'<')#@#<=!0<!K%V›0M!'<E!<*<6KH*P0=!'E@0<0$=H'=0*<B!

!

01+U!R$01JERJE$4R6UJ0JT$1+E015R!Q$

WK*<!$%MM#$$P%›!M*@K›#=0*<!*P!=G0$!M*%H$#,!$=%E#<=$!Q0»!V#!'V›#!=*I!

!

Y]!^!J!Y#'E!'<E!@'<')#!0<!K%V›0M!)*?#H<'<M#I!/KK›(!=G#!KH*D#M=!@'<')#@#<=!'KKH*'MG!=*!K%V›0M!@'<')#@#<=!@*E#›$B!*FG0$!0$!'$$#$$#E!=GH*%)G!=G#!E#?#›*K@#<=!*P!'!KH*D#M=!@'<')#@#<=!H#K*H=B!*

!

Y]!3!J!/<'›(+#,!$(<=G#$0+#,!=G0<R!MH0=0M'»(,!$*›?#!KH*V›#@$!'<E!@'R#!E#M0$0*<$B!*FG0$!0$!'$$#$$#E!=GH*%)G!M›'$$!E0$M%$$0*<$!*P!M'$#$!'<E!=G#!P0<'›!KH*D#M=B!*

!

Y]!T!J!/H=0M%›'=#!'<E!'KK›(!'!K%V›0M!$#H?0M#!K#H$K#M=0?#I!%<E#H$='<E!_0)!;'='!MG'»#<)#$!

$

U*[>,.*G$E*\)?&&M'$

`*%!M'<!MG#MR!0P!=G#$#!V**R$!'H#!'?'0›'V›#!=*!MG#MR*%=!'=!=G#!›0VH'H(!*H!(*%!M'<!H#<=!PH*@!Q#V$0=#$!›0R#!/@'+*<B!

!

EF$3>?0,A$6G8,#,').")&.]'$0&8B"#,&#Q$6$3."A),A"@$T>,G**=!Z#M*<E!4E0=0*<,!Z'<EH'!4@#H$*<,!a'=G(!b'<!c#$$,![#*H)0'<<'!Z=H##=#H,!Y0<E'6-'H0#!Z%<E$=H*@,!'<E!.'HR#H![B!4@#H$*<L!UZ_cI!7d56^61d596178263B!

!

EF,#M$4,M*$"$^."M=!Z=#?#<!Y#?0==!'<E!Z=#KG#<!;%V<#HL!UZ_c6^2I!22933^5T11L!*UZ_c6^TI!7d5622933^5T19!

!

!
FG#!#

/YY!=#'@!@#@V#H$!@%$=!#g%'»(!='R#!K'H=!0<!=G#!H#$#'HMG,!'<'›($0$,!QH0=0<)!'<E!
KH#$#<='=0*<B!4'MG!=#'@!Q0»!=%H<!0<!=G#!P*»*Q0<)!=*!

1B FG#!g%'›0=(!*P!MH0=0M'›!=G0<R0<)!E#@*<$=H'=#E!0<!=G#!KH*D#M=!@'<')#@#<=!'KKH*'MG,!E#?#›*K@#<=!*P!MH0=0M'›!K'=G!'<E!$#›#M=0*<!*P!$=H'=#)(B!	1!
E1E64!	^2!

!

FG#!=#'@!,#XA@"''$B.*'*#)"),&#!Q0»!V#!#?'›%'=#E!%$0<)!=G#!P*»*Q0<)!MH0=#H0'I!

!

0.,)*.,"!	3&,#)'
^B FG#!KH*P#$$0*<'›0$@!Q0=G!QG0MG!=G#!H#K*H=!0$!KH#$#<=#EI!M›'H0=(,!'KK#'H'<M#,!)H'@@'H,!$K#»0<),!'KKH*KH0'=#!Q*HE!MG*0M#,!k?*0M#I!	T!
3B FG#!M*@KH#G#<$0?#<#$$!'<E!M'H#!Q0=G!QG0MG!=G#!$%@@'H(!E#$MH0V#$!=G#!@'0<!K*0<=$!*P!=G#!KH*D#M=,!'<'›(0!'<E!H#M*@@#<E'=0*<!	3!
E1E64$	8!

!

F#'@!K'H=0M0K'=0*<!?'›%#!'$!)H'E#$!V(!M*»#')%#$!:''?#H')#E!*%=AI!

!

0.,)*.,"$	3&,#)'$
F#'@!K'H=0M0K'=0*<!?'›%#!'$!)H'E#E!V(!M*»#')%#$!:''?#H')#E!*%=A!	^2!

U<M>%E#!'=!>#'$=!^2!H#P#H#<M#$B!&#P#H#<M#$!@%$=I!

- U<M>%E#!'=!>#'$=!*<#!K##H!H#?0#Q#E!'H=0M>#!H#>'=#E!=*!=G#!=*K0M!
- /H#!0<!/ ; ;UFU]c!=*!=G#!1!V**R$!*H!0<6M>'$$!KH#$#<='=0*<$!
- /H=0M>#$!@%$=!M*@#!PH*@!@'D*H!<#Q$K'K#H$!:#B)B!c`!F0@#$,!Y/,! F0@#$,!-#HM%H(!c#Q$,!e'$G0<)=*<!.*$=A!'<E!H#K%='V>#!@')'+0<#$! :#B)B!c#Q!`*HR#H,!4M*<*@0$=,!/=>'<=0MA!
- _**R$!=G'=!'H#!H#>'=#E!=*!(*%H!=*K0M!'H#!'MM#K='V>#!$*%HM#$!

Z0<M#!=G#!=*K0M!H#>'=#$!=*!>*M'>!)*?#H<@#<=!E#M0$0*<$,!'MM#$$!'<(!H#>#?'<=! ')#<E'!'<E!@##=0<)!@0<%=#$!'=!=G#!)*?#H<@#<=f$!Q#V$0=#! `*%!@'(!#&)!%$#!'<(!Q0R0,!/<$Q#H$BM*@,!*H!$0@0>'H!#<M(M>*K#E0'6=(K#! Q#V$0=#$!

.')#$! - WZF!V#!<%@V#H#E,!'<E!#'MG!$#M

3>?@,A$1>).*"AF$K;2:$B"7*NQ$G*Q!$G*%›E!=G#!K%V›0M!V#!0<P*H@#E!*P!=G0$!
E#M0$0*<!0P!(*%H!H#M*@@#<E'=0*<!Q#H#!'E*K=#Em!i*Q!Q*%›E!=G#!K%V›0M!V#!
0<?*›?#E!0<!

V ' 0!Q ' $!Z ' <!"*$#!$%#Em! e G ' =!H0$R!E*#$!Z ' <= ' !0› ' H ' !G ' ?#!P*H!$=*H@!
EH ' 0< ') #!0<=*!Z ' <!hH ' <M0$M*!_ ' (,! [% ' E ' ›%K#!&0?#H! ' <E!*=G#H!V*E0#$!*P!
Q ' =#Hm!

!

3B Z0<M#!=G#!H#M*) <0=0*<!*P!=G#

8B FG#!0=(!*P!Z'<!"*$#!G'$!V##<!M*K=<)!Q=G!'!G*@#>#$$!KH*V>#@!P*H!
@'<(!(#'H$B!&#)'HE>#$$!*P!=G#!E#?#>*K@#<=!*P!@'<(!$G#>=#H$!'<E!
KH*)H'@$!=G#H#!'H#!=G*$#!QG*!E*!<*=!Q=$G!=*!>?#!=<!=G#!#\=$=<)!

E, 8 *$0& 8 8 ,) 8 *#)$
!
kZ%MM#$$!0<!=G0$!M*%H$#!0$!V'$#E!*<!=G#!#\K#M='=0*<!=G'=!$=%E#<=$!Q0»!$K#<E,!P*H!
#'MG!%<0=!*P!MH#E0=,!'!@0<0@%@!*P!18!G*%H$!*?#H!=G#!›#<)=G!*P!=G#!M*%H$#!
:<*H@'»(!=GH##!G*%H$!K#H!%<0=!K#H!Q##RA!P*H!0<$=H%M=0*<,!KH#K'H'=0*<S$=%E(0<),!*H!
M*%H$#!H#›'=#E!'M=0?0=0#$,!0<M›%E0<)!V%=!<*=!›0@0=#E!=*!0<=#H<$G0K$,!›'V$,!'<E!M›0<0M'›!
KH'M=0M#B!]=G#H!M*%H$#!$=H%M=%H#$!Q0»!G'?#!#g%0?'›#<=!Q*HR›*'E!#\K#M='=0*<$!'$!
E#$MH0V#E!0<!=G#!$(»'V%$BI!
!
^,#"@$R\" 8 ,#"),&#$&.$R-"@>"),&#$
!
kh'M%›=(!@#@V#H$!'H#!H#g%0H#E!=*!G'?#!'!M%›@0<'=0<)!'M=0?0=(!P*H!=G#0H!M*%H$#$,!
QG0MG!M'<!0<M›%E#!'!P0<'›!#\'@0<'=0*<,!'!P0<'›!H#$#'HMG!K'K#H!*H!KH*D#M=,!'!P0<'›!
MH#'=0?#!Q*HR!*H!K#HP*H@'<M#,!'!P0<'›!K*H=P*›0*!*P!Q*HR,!*H!*=G#H!'KKH*KH0'=#!
'$$0)<@#<=BI!FG#!M›'$$!KH*D#M=!'<

!%! +$0&>#' *@,#7$! *. -,A* '$
!
FG#!Z"ZW!0*%<$#›

C : 2Ce$ $	EF*$0&#)*\)$&P$3>?@,A$5"#"7*8*#)Q$T&-*.#8*#)$!).>A)>.*f 1.7"#,_"),&#g$U*-,*b$&P$!)"PP$U*B&.)$^&.8")$ U*"G,#7Q!4@#H$*<!0GB!^!p!3L!&#?0#Q!*Z= 'PP!&##K*H=:P*H@'==0<)!=*Q'HE!#<E! *P!=G#!$(»'V%$! ! EF&>7F)$[>*'),&#'Q!eG'=!'H#!$*@#!M*<$=0=%=0*<'›!›0@0='=0*<$!*<!)*?#H<@#<=!@'<')#@#<=!0<!=G#!WZm!i*Q!E*!=G#$#!P#'=%H#$!M*<$=H'0<! K%V›0M!@'<')#H$m!eG'=!'H#!$*@#!%<0g%#!P#'=%H#$!*P!0'›0P*H<0'!›*M'›!)*?#H<@#<=m!i*Q!E*!=G#$#!P#'=%H#$!M*<$=H'0<!K%V›0M!@'<')#H$m! !
C : 2 ; H$	E&&@'$P&.$3>?@,A$5"#"7*.'Q$0.,),A"@$EF,#M,#7$ U*"G,#7'Q!Y#?0==,!FG0<R!Y0R#!'!hH#'R! ! 6'',7#8*#)'$K9>*$C : 2 ; H$?/$H$B 8 NQ$

	3.&Z*A)$5"#"7*8*#)$O#,),"),&#$3.&A*''$$! h*»*Q0<)!=G#!*H0#<='=0*<,!(*%!Q0»!)*!=*!=G#!)H*%K!$=%E(!H**@$!=G'=!#'MG! =#'@!H#$#H?#EB!`*%!Q0»!%$#!=G#!H#@'0<0<)!M›'$$!=0@#!P*H!(*%H!P0H$=!.H*D#M=! -'<')#@#<=!-##=0<)!:-##=0<)!^L!KB!T2!*P!$(»'V%$AI!! [*'›!'<E!]VD#M=0?#$!J!;#?#›*K! Y*M'=0*<!J!UE#<=0P(!*K=0*<$!P*H!KG'$0<),!*?#H›'KL!G*=!$0=#SM*›E!$0=#! Y*)0$=0M$SZ%KK*H=!J!UE#<=0P(!0$$%#$!$K#M0P0M!=*!=G0$!KH*D#M=! UE#<=0P(!$='R#G*›E#H!H#)0$=H(!J!$%KK*H=!'<E!*KK*$0=0*<!=*!=G#!KH*D#M=B!! &#?0#Q!.›'<<0<)!#›#@#<=$!'<E!'$$0)<!='R!]%=M*@#I!K›'<!*P!'M=0*<,!'$$0)<@#<=$!P*H!=#'@!@#@V#H$! !
CD2Ce$	!M,@@'$P&.$3>?@,A$5"#"7*.'Q$0,-,A$R#7"7*8*#)=$0&8 8>#,A"),&#$"#G$ 0>@)>."@$0&8B*)*#A/$ U*"G,#7'Q!4@#H$*<!0GB!1!p!d! ! 6'',7#8*#)'$K9>*$CD2Ce$?/$H$B8NQ$ h4-/!0*%H$#!313BM!J!4PP#M=0?#!0*@@%<0M'=0*<! ! EF&>7F)$[>*'),&#'Q$eG(!E*#$!)**E!M*@@%<0M'=0*<!@'==#H!=*!''!K%V›0M! @'<')#Hm!eG(!$G*%›E!''!K%V›0M!@'<')#H!V#!M%›=%H'»(!M*@K#=#<=m!i*Q!M'<! ''!K%V›0M!@'<')#H!#<G'<M#!G0$!*H!G#H!M%›=%H'›!M*@K#=#<M(!$R0»$m!i*Q!E*#$! M0?0M!#<)''))#@#<=!p!M*@@%<0M'=0*<!H#›'=#!=*!KH*D#M=!@'<')#@#<=!P*H!''! K%V›0M!'')#<M(m! /P=#H!=G#!VH#'R!G*›E!-##=0<)!3!:K)B!T^!*P!$(»'V%$AB!0*@K›#=#S'$$0)<!'»! H#@'0<0<)!.›'<<0<)!0=#@$B! !
CD2;H$	E*"8$3.&Z*A)$8**),#7'$K*8",@$[>*'),&#'$&.$'AF*G>@*$h&&8$A"@@N$ F#'@$!Q0»!@##=!=*!E#?#›*K!=G#!KH#$#<='=0*<!*<!=G#!''$$0)<#E!KH*D#M=!	

CD2 : D$! M,@@ ' $P&.$3>?@,A$5 " # " 7 * . ' Q$R)F,A"@$L * F " - ,&.$

U * " G,#7 ' Q!4@#H$*<,!0GB!T!
!
6 ' ' ,7# 8 *#) ' $K 9 > * $CD2 ; H$? / $HB 8 NQ$
h4 - / !M*%H$#!UZ62232B3^6! ; 0?#H$0=(! / Q ' H#<#$$!0*%H$#$
!
T > * ')$ ' B * " M * .Q$a#?0<! ; %)) ' <,!U0 - / ! e #$=##H<! ; 0H##M=*H!:H#=0H#EA!
:&4Z4 / &0 i ! / c ; ! . &4 . / &4! oW4ZFU] cZA!
$
EF&>7F)$ [> * '),&# ' Q! e

C<2 : C$! M,@@ ' $P&.$3>?@,A$ 5 " # " 7 * . ' Q$4 * " G * . ' F,B$ " #G$O#P@>*#A*$

U * " G,#7 ' Q! e #!=G#! . *$$0V0>0=(*!*

!

6 ' ' ,7# 8 *#) ' $K 9 > * $C<2 : C$? / $HB 8 NQ$

*e #!=G#! . *$$0V0>0=(!*#\#M%=0?#!$%@@ ' H(!

h4 - / !M*%H$#!312MB!J!Y# ' E#H$G0K! ' <E!U<P>%#<M#$

!

0@" ' ' $G, ' A> ' ' ,&#Q! *e #!=G#! . *$$0V0>0=(!*

!

EF&>7F)$ [> * '),&# ' Q! e G ' =!0$!=G#!H*>#!*P!=G#!K%V>0M!@ ' < ') #H! ' $! ' !>#' E#Hm!

i *Q!E*#$!=G0$!H#> ' =#!=*!=G#!#>#M=#E!*

! B*@@,#7$"#G$T ." 8 8 " .$T>,G"#A*!
0@@*<! [H 'E% '=#!Z=%E#<=!*
- @$= 'R#

5B UP!(*%!Q'<=!=*!%$#!'<!'VVH#?0'=0*<!*H!'MH*<(@!:#B)B,!h4 - /A,!V#!$%H#!=*!
$K#›!0=!*%=!=G#!P0H$=!=0@#!(*%!%$#!0=B!h*H!#\'@K›#,!k e G#<!"'@#$!Y##! e 0==!
Q'$!G#'E!*P!=G#!h#E#H'›!4@#H)#

^9B U= ' >0M$!Q0=G

t4\#M%=0?#!Z%@@'H(![%0E#!Z/ - .Y4u!

"*#!Z=%E#<=!

/%=G*HB!:E'=#AB!F0=>##B!O0=(,!Z='=#I!.%V>0$G#HB!

!

FG0$!'%=G*H!K*0<=$!*%=!=G'=!H#M#<=!'M

6! - *H#!U$H'#

E*" 8$3.&Z*A)$T>,G*$
$
h*H!=G#!K%HK*$#$!*P!=G0$!E*M%@#<=!=G#!=#H@!*B.&Z*A)$8 "#"7*8 *#)*!0$!E#P0<#E!'$!
=G#!'KK>0M'=0*<!*P!R<*Q>#E)#,!$R0»$,!=**»$,!'<E!=#MG<0g%#$!=*!'MG0#?#!'!$K#M0P0M!
)*'›,!Q0=G!'!E0$MH#=#!V#)0<<0<)!'<E!#<EB!.H*D#M=!@'<')#@#<=!0$!'MM*@K›0$G#E!
=GH*%)G!=G#!'KKH*KH0'=#!'KK>0M'=0*<!'<E!0<=#)H'=0*<!*P!1d!›*)0M'»(!)H*%K#E!
KH*D#M=!@'<')#@#<=!KH*M#$$#$,!$%MG!'$!G%@'<!H#$*%HM#$!'<E!H0$R!@'<')#@#<=,!
QG0MG!'H#!M'=#)*H0+#E!0<=*!P0?#!KH*M#$$!)H*%K$B!FG#$#!P0?#!KH*M#$$!)H*%

#'MG!K'H=0M0K'<=!0<!=G0$!KH*D#M=B!/$!=G#!K›'<<0<)!KH*)H#$$#$!0=!0$!K*$$0V›#!=G'=!
K'H=0M0K'<=$!@'(!Q0$G!=*!'%)@#<=!=G#0H!aZ/$,!QG0MG!@'(!@'R#!=G#!K›'<<0<)!
KH*M#$$!%<@'<')#'V›#B!FG#H#P*H#,!E*M%@#<='=0*<!*P!aZ/$!'<E!$M*K#!E%H0<)!
MG'H=#H!E#?#›*K@#<=!0$!MH0=0M'›B!
!
eG#<!%$0<)!=G#!KH*D#M=!@'<')#@#<=!'KKH*'MG,!=G#!KH*D#M=!@%$=!V#!#?'›%'=#E!
P*H!0=$!›0R#›0G**E!*P!$%MM#$$B!FG0$!#?'›%'=0*<!0$!R<*Q<!'$!.,'M$8"#"7*8*#)!'<E!
0<P*H@$!=G#!KH*D#M=!E#?#›*K#H!'V*%=!QG#=G#H!=G#!KH*D#M=!'$!E#$0)<#E!0$!Q*H=G!=G#!
0<?#$=@#<=!0<!=0@#!'<E!M*$=,!'<E!QG#=G#H!0=!0$!›0R#›(!=*!'MG0#?#!=G#!E#$0H#E!
%=M@#$B!FG#!›*M'=0*<,!#g%0K@#<=!'<E!'M=0?0=0#$!$G*%›E!'»!V#!H#?0#Q#E!=*!
#<$%H#!=G'=!'»!K#H$*<<#›!0<?*›?#E!M'<!V#!$%MM#$$P%›!E%H0<)!'»!KG'$#$!*P!=G#!
KH*D#M=B!FG#!#?'›%'=0*<!@'(!0<M›%E#!<*=!*<›(!=G#!H0$R!@'<')#@#<=!K#H$*<<#›!V%=!
'»!K'H=0M0K'=0<)!K#H$*<<#›!Q0=G!R<*Q›#E)#!*P!*K#H'=0*<'›!KH'M=0M#$!H#›'=#E!=*!=G#!
KH*D#M=B!/KK›0M'=0*<!*P!H0$R!@'<')#@#<=!Q0»!#<$%H#!=G'=!'E#g%'=#!$='PP0<),!
H#$*%HM#$!'<E!#\K#H0#<M#E!$'P#=(!'<E!*?#H$0)G=!K#H$*<<#›!'H#!KH#$#<=B!!UP!=G0$!
›#?#›!*P!$%KK*H=!4000.248.3906F3G!UP-0.5(8.3593.7694cmBT5000501498.787157Tm/TT41Tf[-

3U1%R0E$0SR0 i 4O!E$

O#,),"),&#$3.&A*''$

! UE#<=0P(!;H0?#H:$A!

0*<=H'M=!

! ZK#M0P0M!Q*HE0<)!M*<M#H<0<)!KH*D#M=B!

[H'<=!

! eG'=!Q'$!$='=#E!0<!=G#!)H'<=S'KK>0M'=0cm$

3@"##,#7$3.&A*''$I$3.&Z*A)$

! 4$='V

!
5 * *),#7$:$
Y*M'=0*<!J!&#K*H=!*<!=G#!*K=0*<$,!=G#<!$#›#M=!V#$=!*K=0*<!
- '<')#H!J!;0$M%$$!#?'›%'=0*<!=**›$!P*H!)*'›!'<E!*V0#M=0?#$!
Y*)0$=0M$SZ%KK*H=!J!UE#<=0P(!H#$*%HM#$!!!
!
5 * *),#7D
Y*M'=0*<!J!0*<P0H@!E'=#,!=0@#!'<E!K*0<=!*P!M*<='M=!P*H!@*?#S0<$='»'=0*<!
/M=0?0=(!=0@#›0<#!J!0*@K›#=#!'<E!P0<'›0+#!
-'<')#H!J!4<$%H#!#?'›%'=0*<!=**›$!'H#!$(<MGH*<0+#E!'<E!0E#<=0P(!'$$0)<@#<=$!