

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

!

2345678

!

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

+,\$-./,0)12!3021./\$(45!

60(7,.50)!12!8955,:!

".(;')10!"<=>?@A!6B!

!

+ ,4, / \* ,.!CDDE!

!

!

!

!

"!#\$%&'()\*+\*,-.)%&'!"/!&'(10'1,\*)!'(!'2\*(23&!.2-42' #5! 6 -(#!#\$%&(13-7%17!(-#\*!4\*2#!-0!%28%&198%!  
%&!(1-7\*!(!\* : 3\* .%1-7',117%&'%1%1!(1#-2\*!-2!,\*(13-#.,\*%,\$10',(\*5!7!0'3%!' /!(1'!2\*# '2; '9,\$!(833\*(08,  
2\*(23&!.2-42' #!<&13&!'(1)\*,1+\*2\*)!7-#!-7,\$!(31\*7%1013!17(14&%198%!'!42\*'%!)\*,!-0!8(\*08,%\*3&7-, -4\$5!!

!

=7\*!-0!%&#!# '17!2\* '(-7(!<&\$! . \* - . , \*!'((2%1%&\*10'1,82\*!-0!"/!'(!'2\*(23&!.2-42' #1!(%&#!#1(%'; \*7!+1\* <1%&'!  
1%!(1# '17!4- ',!1(1%-12\* . ,13'%\*!&8# '7!17%\*,14\*73\*5!>83&!'!+1\* <1!(187)\*2(%'7)'9,\*5!/%1!(13-##-7%#!#1(2\*')!  
?82174@(!ABCD! . ' . \*2! ! "#\$%&'()\*+ , - . '/01\* , (2\*3(&/44')/(-/'\*(844\*(%174!%&'%1%&\*18,%1# '%\*14- ',!-0!"/!  
(&-8,)!9\*!%&\*13-# . , \*%\*12\* . ,13'%1-7!-0!&8# '7!17%\*,14\*73\*5!"/!2\*(23&\*2(!&' +\*!' ,(-!7-#!)-7\*!(800131\*7%1%-!  
#'; \*1%13, \*2!%&'%13-# . , \*%\*12\* . ,13'%1-7!-0!&8# '7!17%\*,14\*73\*5!1(17-%1%&\*18,%1# '%\*14- ',!-0!"/5!!

!

"!082%&\*2!(-823\*!-0!%&\*10'1,82\*!#\$%&!1(%&\*17\*\*)!0%,%9\$!# '7\$!2\*(23&\*2(1%-!)1(%'73\*!%&\*12!' . .2- '3&1%-!"/!  
02-#!-%&\*2E!8(8',,\$! .2\*+1-8(E!' . .2- '3&\* (5!7!# '7\$!3'\*(!'!0!(&1-7'9,\*!' . .2- '3&1%-!"/!# '\$!41+\*11%(\*,0!'!7\* <!  
7' #\*!F!"G10\*!<-8,)!9\*!'!4--)!\* : # . , \*!H!'7)! . -2%2'\$! .2\*+1-8(!"/!' . .2- '3&\*(! (1&'+174!0'1,\* )5!!

!

/7!%28%&!\*2!1(17-!0'1,82\*!%-!9\*!\* : . , '17\*)5! " , # -(#!\*+\*2\$!31%1!7!17!%&\*)\*+\*,-.)!<-2,)!#'; \*(18(\*!-0!"/F  
) \*21+\*)!%\*3&7-, -4\$!+\*2\$!) '\$!?'&\*10'3%1%&'%1%&1(!"/!%\*3&7-, -4\$!1!(18(8',,\$!&1)) \*7!17!-%&\*2!%\*3&7-, -4!\*(1'7)!  
<-2; (187-9%28(1+\*,,\$!1(!'!#\* '(82\*!-0!J8(%1&-<!(833\*(08,!' /!&'(19\*\*75!"/!&'(1',(-!17(.12\*)E!'7)!3-7%178\*(1%-!  
17(.12\*E!# '7\$!-%&\*2!)1(31.,17\*(!02-#!,17481(%13(1%-19!-, -4\$!%&2-84&1%&\*14\*7\*2' %1-7!-0!(31\*7%1013',,\$!8(\*08,  
)'%!'!7)!3-73\* . % (5!?'&!(31\*7%1013!<-2; !# '\$!(%1.,!9\*!'!7! \*2,\$!(% '4\*198%1%!( . -%\*7%1',!1(142\*%'7)!0'1,82\*!  
#\$%&(!(&-8,)!7-%!9\*!' , - <\*)!%-!1# . \*)!1%5!

!

!

!

!

!

!

/%!(!1# . -2%'7%-%13&' ,\*74\*!#\$%&(!9\*3'8(\*!%&\*\$!3'7!42\*'%, \$!170,8\*73\*%&\*! . - .8, '2!1# '4\*!-0!'!(31\*73\*5!N+\*7!'!  
0' ,(\*!#\$%&! (83&! '(!%&1(!3'7!&' +\*!'7!\*00\*3%!-8%!-0!' ,!.2- . -2%1-7!%-!!%(!' . . '2\*7%!(147!0!3'73\*!-7!%&\*!<' \$!' /!(!  
(\*7!-8%(1)\*!%&\*!0!\*,)5!  
!  
?&\*!#\$%&!%&'%' /!&' (!0'1,\* )!&' (!%<-!)100\*2\*7%!42-8. (!-0!.2-4\*7!%-2(5! ?&\*!0!2(%!42-8. !!(!3-# . -(\*)! . 2!# '2!,\$!  
-0!%&-( \*! . &1, -(- . &\*2(!<&-!(\*\*!%&\*!7!2\*!7%\*2.2!(\*!'(!#1(481)\*E!1# . -((19,\*E!'9(82)E!-2!'(!(-#\*!  
3- #9!7'%1-7!-0!%&\*( \*5! ?&\*!( \*3-7)!42-8. !!(!# ' ) \*8. !-0!%&-(\*! " /!(3!7%1(%!<&-!<1(&!%-!)1(!17481(&!%&\*12!

!  
!

!

/%!(18(\*08,! '%!%&1(!('4\*!%-!17%2-)83\*!%&\*!)1(%173%1-7!9\*%<\*7!" /!' (!!(31\*7%1013!\*7%\*2.21(\*! '7)! " /!' (!!  
%\*3&7-,-4\$! ?&1(!!(!7-%!'7!'9(-,8%\*!)1(%173%1-75!/%!1(!7-%! '<'\$(!. -((19,\*!%-'\$!<&\*2\*(31\*73!\*7)('7)!  
%\*3&7-,-4\$!9\*4!7(!H!

>3!73\*13'7!9\*!&'2)!-7!(83&!22-4'73\*5!Y8(?!('!1%827(!-8%!!&'%<\*,1+\*!-7!'7!87)1(17481(&\*)!2-3;! 2\*+-,+174!'2-87)!'!#1)),\*!3,'((!(%'2!0'2!02-#!%&\*!3\*7%2\*!-0!'!+\*2\$-2)17'2\$!4',':\$E!(-!1%!(\*\*#(!%&\*2\*!1(! 7-%&174!3\*7%2',!-2!-.%1#',!'9-8%!-82!17%\*,14\*73\*!H!-2!'%,\*'(?!-82!.2\*(7%!(8.\*20131',!'7',\$(?!-0!1%5!! ! "7!1#.-2%'7!3-7%2!98%-2!%-!%&\*!#1(%';\*7!+1\*!<!%&'%"!/!(&-8,)!9\*!.2!# '2!,\$!3-73\*27\*!)!<1%&!%&\*!2\*.,13'1-7! -0!&8# '7!17%\*,14\*73\*!<'(!%&\*!(-F3',,\*)!?82!74!%\*(%5!/!&'+'!248\*!)!%!,\*74%&!K0-2!\*:'#.,\*!17!P &1%9\$!ABBQ'L! %&'%1%!(!'!#1(2\*'!)174!-0!' "#\$%&'()\*+,.-./01\*,(2\*3(4/44')/(-/\*K?82!74!ABCDL!%-!+1\*!<'!/'!(!9\*174!

!  
M&2l(%-.&\*2!M-,8#98(!.8%!!-!( \* '!17!A\BW!<1%&1%&\*!17%\*7%1-7!-0!017)174! '!(&-2%138%102-#!N82-. \*% -!/7)1'5!O\*!  
)1)7Z%1017)!%d!17)\*\*)!1%<'(!7-%!!&\*2\*!%-!9\*10-87)5!P &'%!!&\*!)1(3-+\*2\*)!<'(!'!<&-,\*!7\* <!K%-!N82-. \* '7(!'!!  
,\* '(%L!3-7%17\*7%!!<&13&!<'(!-0!0'2!# -2\*!.2-0-87)!&1(%-2!3!3-7(\*[8\*73\*!%&'7!'7\$!(&-2%!( \* 'F2-8%\*!3-8,)!\*+\*2!  
9\*5!!!

!  
?&\*!) \*+\*, -. #\*7%!-0!%&\*!" /!%\*3&7-,-4\$!;7-<7!'(!)'%!'#17!74!l!(13,-(\*,\$!'7',-4-8(!%-!M-,8#98(!l)1(3-+\*2\$5!  
R82!74!%&\*!ABSD(!%&\*2\*!<'(!#83&!2\*( \* '23&!17%-!'7!'2\*!'!-0!" /!;7-<7!'(!# '3&17\*!, \* '27!745! ?&\*!2\* ' (-7!0-2!  
%&1(<'(!%&'%!!%&\*!. -<\*2!-0!" /!((\$(%\*# (13-7% '17!74!'7)!8(174!2\* ',F<-2,)!;7-<,\* )4\*!&' )!9\*\*7!' # .,\$!  
)# # -7(%2'%\*)5! ?&\*2\*!<'(198%!-7\*!)2' <9'3; !%-!(83&!((\$(%\*# (5!T\* ',F<-2,)!;7-<,\* )4\*!17+'2! '9,\$! .2-+\*)!+\*2\$!  
)100!138,%!'7)!3-(%, \$!%-!'3[8!2\*5! ?&1(!(-F3', ,\*)!;7-<,\* )4\*!'3[8!(1%1-7!9-%, \*7\*3;Z!# \* '7%1%&'%!' ;7-<,\* )4\*F  
9'(\*)!(\$(%\*# (<\*2\*!', # -(%!!# . -((19,\$!\*: . \*7(1+\*'7)!2\*(%2!3%\*)5!!

!  
"7!-9+1-8(!(&-2%F38%!!<-8,)!9\*!%-!\*7'9,\*!%&\*!# '3&17\*(!%-!, \* '27!0-2!%&\*# (\*,+\*(!'7)!#83&12\*( \* '23&!<'(!

3- # .8%\*2!)\*(;%- .!# ' ;\*(!%&\*(\*!0'1,82\*!3,'1# (!,-- ;!2'%&\*2!. '2-3&1',!7)!(1,,5\$!?!&\*!0'3%!!&'!%!!!(!(83&!'  
8(\*08,!. '3; '4\*!(&-8,)!(!,\*73\*!%&\*!0'1,82\*!# \$%&!3-# ., \*%\*, \$5!V70-2%87'%, \$!%&\*!(8(3\* .%191,1%\$!-0!&8# '7(!%-!  
2' %1-7',!. \*2(8'(1-7)!!( (-# %&!74!%&'! !/!'(!31\*73\*!&'(! \$\*%!!-!08,, \$!\*: ., -2\*5!

!  
!  
!  
!

! A5! ?&!(!9\*(%!33-87%!-0!%&\*!-+\*2, ' .!9\*%<\*7!9!2)!7)!'!232'0%!'\*2-) \$7' #13(!!(187)-89%\*), \$!/?&\*!  
(1# ., \*!>31\*73\*!-0!` ,14&%!02- #!/7(\*3%(!%-!Y8#9-!Y\*%(?!9\$!O\*7;!?\*77\* ;\*(5!K?\*77\* ;\*(!ABBXL!

!  
!  
!  
!  
!

! U2-- ;(!E!T5 " 5E!ABBAE!3(d/44')/(-/\*5 'k. "%k\*@/\$0/6/(k, k'"(C\*"2%10131',!/7%\*, ,14\*73\*! . .!AeBFACB!  
\*

R2\*\$08(E!O5E!!ABBSE! 7 . I\*8I#9"4'-\*:3\* ; , '4/2<\*=. /\*! "# # "(6/(6/\*>( "54/2)/?\*?0"94/# '+ '1, '9, \*!'%  
<<<5&0'358&5\*)8f. &1, f4'2(-7fR2\*\$08(G\*3%82\*A5&%#!

! ?\*77\* ;\*(!ABBXE! =. /%6' # \$4/%8- ' /(-/\*"B\* ; 4') . k\*B0" #\*3(6/-k6\*k "D%#9"D/k6% 6 / ?!c2\*((E!M' #92! )4\*! 6 " 5!  
! ?82!74E! " 5 6 5!ABCDE!M- # .8%174! 6 '3&17\*2\$!'7)!/7%\*, ,14\*73\*7E! 6 17)E!+- ,5G/gE! ] -5!WeQ5! . .5\eeF\QD!5!  
!

! P &1%9\$E!U5T5!ABBQ' C\*= . /%=%0' ( )%k/6k<\* : 3E6\*9' )/6k\*94'(2\*, 44/IF! 6 1,,13'7!  
!'7)!M, '2; !KN)(L! 6 '3&17\*(!'7)!?&-84&%E! ?&\*!G\*4'3\$!-0! " , '7! ?82!74!h- ,5AE!  
M, '2\*7) -7E! = :0-2)5!  
!

P &1%9\$!U5T5!EABBQ9E!T\*0,\*3%1-7(!-7! " 2%10131',!/7%\*, ,14\*73\*?!?&\*!>-31',E!G\*4',E!'7)!6 -2',!R1# \*7(1-7(5!  
= :0-2)!/7%\*, ,\*3%!U-- ;(5!  
!