

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

-(%'./(0'1/\$2-0%3!\$22+3'\$0"4%25"-3'1(+2'"0'6\$7&"1'5%24"1%
\$)5)!+7+55+*/2'-/-(%(/&3'5%%8'2%-"2%*

("#(%2'*\$1+-"/0

"###! \$%&'(!%)!*,-%./+0!,1!2+3%-405!61,73(.,'0!)!8%!(3!\$9:35!8%!(3!\$9:35!
;1<,919!\$,..3('9',%1=!>?!@'A<BB@B!C,./91,&!2+3%-4,&9-!?'1+(%/-%-405!DEF"
DEEEH

DEE! I9.'3(!%)!?'(!.,1!2+3%-405!61,73(.,'0!)!8%!(3!\$9:35!8%!(3!\$9:35!;1<,919

(/0/2+23'*\$%#2%%5

"#DD

DEE\

!

!"

)--%'B!K<,'%5)%('+'&%.:14M%('(3!* (3.. 5!"#"ZB!2+3!:91A.&(,N,--!,1&-A3!+3!&+9/'3(!
%)!eA33(!/(%:,131!7%,&3.!%)!8%+%49'+3(3!J%0%-9!61,73(.,'0!%)!K+,&94%!'!+3!

%/I8%'12%*<%X#1785649%A2%6:(%48#%;\$"*3%)(*1:124\$641':+Z%1:%#B12866#%4:%
48#%)7#%'B%;\$R3B1,4A3!<3!J9!2%((3B(0P1%--±!(T,..!W%5!"#DFB

!
!

&%1-\$2%58'H%30/-%5 8'6+0%&5'

!
!

"#U! ;17,'3<!%'<373(!'+3!"#U!@3'3.!J3&'A(3%1!hA33(!^%<!<3!?:%Q!?'A.',1!* (3.T0'3(,91!
2+3%-4,&9-!3:,190'(37,%A.!3A(3,1&-A<3!S9:3CBK%135A.'97%!^A',d((3j591<!
?1'+39!WA'-3(B

!

"#"! ! >hA33(!^%<!<3!?:%(5H!a301%'35!@'B!I9(0Y.!K%--3435!@.8%M(@3/'3:T3(!"5!"#"B

!

>hA33(!^%<!<3!?:%(5H!;19A4A(9,1b!J3&'A(3!%1!V3-,4,%1!91<!*AT-,&!J,)3!9'
'+3!61,73(.,'0!%)!@91!M(91&.,&%5!@3/'3:T3(!"5!"#"B

!

>?!hA33(,14!%)!'+3!89'A(9-!\$3.,(3!%)(!^%<5H!*9/3(!<3-,73(3;4!9!1;9',%19-!
@:/%.,A:!,1!hA33(!2+3%(,3.!91<!2+3%-4,3.5!@91!S%.d5!K%.!9!V,&9k!?A4A.!U5!"#"B

!

>0.',&.,:5!CA:91!*3(.%1.5!91<!^%<Y.!hA33(!J%73BH!?!&%173(.9',%1!%1!:0!#%\$%P!
&'(%(#%)*\$!:3<,9'3<!T0!I9&&9(0C9130!_%13!%)!0!<%&'%(9-!9<7,.33.`9!'!'+3!"Q
19',%1949'+3(,14!%)!\$,41,'06@?5!@91!\$,34%55A?0!E5!"#"B
+"/.=XXNNNB0%A'AT3B&%:XN9'+m7n+U13!hJUE

!

"#D! >hA33(!2+3%-4,91.!%)!

!

!

! S%+1!^3+(,145!\$(3&'%(!!%)!M9,'+!,1!*AT!,&!J,)3
!
!
!"#! \$3-,73(3<a301%'37,9!j%:%9!J%0%-9!I9(0:%A1!'61,73(.,'0%1!'+3!D#'+!?'11A9-!
! ?11,73(.9(0!%)!'+3!C,./91,&!1,.'(0!91<!2+3%--%40!J3&#A(3A.3.!29(43!'!'+3!
! [A-13(9T-3!91<!a1%N!8%!W%(<3(=!@%&,9-!(3./%1.,T,-,'0!91<![%'1,14!9.!9!K9'+%-,&BH!
! a301%'3N9.!&%/1.%(3<!91<!AT-,&,j3<!19',%19--6!T0E#6-%@676[1:#. !
! L&'%T3(!DQ5!"##B
!
! \$3-,73(3<!9!'9-P!91)9&,-,'9'3<!9%173(.9',%1!9:%8%--343!'A<31'.!9!'g+,"3(!K%--343!
! ','-3<5!9!K%173(.9',%1!%1!M9,'+5!;<31',05!91<!*%-,',&!.!1!'+3!?)'3:(9'+!%)!%A(!89',%19-!
! R-3&',%5H!\$3&B!U5!"##B
!
!"#DE >L1!619-,319T-3!V,4+!.5!89'A(9-IJ9N5!9!3<!4,%1=!@%1/3)-3&',%1.!%1!*%:/3%Y.!
! CA:91!V,4+!.!K%:;,...,%15H!;17,'3<*(3.31'3(19!'!'+3!;1'3(19',%1!9N!lg33P31<!
! K%1)3(31&3!,1!830%(P!,'-3&8%#21-1#:A#%'B%L:4#\$:641'5!L&#%E!D!#"DB
! !
! >2+3!I0.'3(0!%)!^%<5!CA:91!\$,41,'05!91@!3bA9-,05H!?'<<(3..!%1!'+3!Q#'+!?'11,73(.9(0!
! %)!)\$,41,'0!6@?5H!SA-0!"BDE<(3..!N9!'(91.-9'3<91<!33&'(%1,&9--0!AT-,.+3<!1!
! @/91,+.5!;9-,915!91-3M+B
! +"/.=XXNNB<,41,'0A.9B%(4X13N.X:0B/03-A:91G,41,'091<G3bA9-,0
!!
! >V3-,4,%1!91*39&3!WA,-<,14N!G-90-3&'A(3N%(P.+%/!)%(!,1'3(19',%19-!'A<31'!
! 61,73(.,0!%)!@,3195!1<,135!;'5D0!"#DE B
!
! >V3-,4,%1.!91<!'+3!MA'A(3!%)!%A(!M%1<9',%1.5H!MDEA9(0!E5!
! ?<<(3..!9.!/9(!%)!9!&%1)3(31&3!9!W9((,14%1Y.!g+,'3!Q%#3!#"#=#!g+9!J39<3(!.
! .33!%)(!'+3!MA'A(3!9!3!M%1<9',%1.!'+9!^(%A1-26(%A4+!'!'+3!?'43.BH!?'-.%!,17,'3<!
! '%!./39P!N9!.\$%(a39(1.!^%<N,15!/(3.,<31',9-!%(,91!91<!9A'+%(4%6)(\$2813%1:%
! % ;"\$H"-#:4%;1*#2
! !
!"#D\ >L1!'+3!J%73!%)!^%<!91<!83,4+T%(=!C%./,'9-,0!91<!V%1<,13Y.!2(91.)%:(9',73!I3'+%<!
! %)!;1'3G3(.%19-!CA:91!R1&%A1'3(.5H!\$3&3:T3(!B9)3(!<3-,73(3<9!;'9-,91!
! R:T9..0! ,1!g9+,14%1!\$BKB!%1!'+3!F#'+!?'11,73(.9(0!%)!'+3!61,73(.9-!\$3&-9(9',%1!%)!
! C.01.9906 590("#D\).249.990 0.2 (%1!%)!) TJ E/0.3882353.24 0 7 0.2 q 0.24 0 9-

!
!
!
!
!
!
!
!
!
!

*(,1&3%1!2+3%-4,&9-!@3:,N960P.+%)%(!<%&'%(9-!@'A<31'.!%1!>V3-,4,%1!,1!'+3!
*AT-,&!@eA543!SA13CF5!"#D\B

K2@7/9/3(5!>61!^('%!31!0!/%(!-9!^(9&,9=J9',1p.,1!'+3!?43!2%):/5H!SA13!E5!"#D\B

?KC26@!/9/3(5!>R1-9&3=!!K%::A1,%1!%39K%1=J9',1b5!R17,(%1:31V9&,..:5!
91<!'!'+3!@'(A44-3!)%(!R&%-4,&9-SA.',&35H!SA13!J5!"#D\B

\$3-,73(3<I9!.3(,3.!%)-3&'A(3.9%3!,4,%1!91<!*3983A,-,14!*(%&3.4,1!V%1<,135!
;'9-0!./%1.%3<IT0!'!+3!61,73(.,'0!%)!@,3995!!c!"Z5!"#D\B !

>L1!\$(39:3(!.91<!\$(39:,14=!*%/3!M(91&.,!%1!M9,'+!91<!*AT-,&J,)35H!V3./%1.3!%!
I9..,:%!

!

"#""! ! *%/3!M(91&,M9&,-,'9'3<!&%173(.9',%1+!M1,73(.,'0!'A<31'!)(%:!9&(%..!'+3!
?:3(&91!&%1',131'!,1!/(3/9(9',%1!))%(!91!A1/(3&3<31'3<!/9/9-!31&%A1'3(!N,'+!*%/3!
M(91&,.B!;!:3!(34A-9(-0!N,'+!91<!9<7,.3<!(B!R!,-&3!KA<@B!K%9(0!%)!3!*%1'),&9-!
K%:.,.,%1!)%(!J9',1!?:3(&95!:3!'!%1!j%:%!N,'+!'A<31'!)(%:!J9',1!?:3(&95!91<!-3<!
'+3!g3.'X*9&,) &!4(%A/!%)!'A<31'3!B!3731!',-3<!>WA,-<,14!W(,<43.!8%Q%9'A+=!?!
@01%<9-!R1&%A1'3(!T3'N331!*%/3!M(91&,.!91<!61,73(.,'0!H!T!A<31'3!419',%19-!91<!
,1'3(19',%199!'31',%1%!J%0%-9!61,73(.,'0!K!94!M3T(0!"U5!"#"B!*%/3!M(91&,.!
N9!.%!!%73<!T0!'+,..!49'+3(,14!'!+9'+3!,17,'3%!V%:3!+3!)%A(!%)3..%(!.!)%(!:J%0%-9!
61,73(.,'0!N+!%!(491,j3<!'+,.,.'%(&!:33'!B!3!(3&3,73<!A.!,1!/(,79'3!9A<,39&3!3!
-,T(9(0!%)!'!+3!*%1'),&9-!*9-9&3!3 4943<1!9!-,73-0!&%173(.9',%1@,191,.,+!%1!90!
DZ5!"#"B

!

"#D! L(491,j3<!91!A1/(3&3<31'3<!49'+3(,149)3(7%,&3.!%8%-%(!9!J%0%-9!61,73(.,'0!
K+,&94%

!

DB>?)'3(!I33',14!N,'+!*%/3!M(91&,.!K%--343!@'A<31'!.!g9'&+!)%(!s!%(3!+91!WA.,13..!9!
6.A9-5H!I9(!"5!"#"B
"B

@+%(3!K9:/A.!%)!J%0%-9!61,73(.,!0!K+,&94%!9!!9<%119!<3--9!@'(9<9!K+9/3-B!2+3!/(%4(9:!
9,(3<!%1!?!/(-!D5!"#DVB/3(/ 3&,'73!%1!*%/3!M(91&.,Y.!+3%-40!.,!)39'A(3<!,1!.373(9-!
.34:31'!.%)!'+3!<%&A:31'9(0B
+"/=XXNNNB:1T&B&%:X%(.,4,19-.X+39%/B9(91&,9, (.GA1<99/(-GG.1T&!
!

K88 !
!

89',%19-!&%::31'9'!(%1!:(1,14!-,73!T(%9!&9!K88!91&+%(!S9P3!29//3%(!*(3.,<31!
W,<31Y.!33',14!N,'+!*%/3!M(91&.,5!L&%T3(!"E5!"#"DB
!

?2J?82;K!KL68K;J!;8!g?@C;8^2L8!\$BK)'
!

K%-A:1⇒V3:3:T3(,14!@'%13N9--=!M(%:!!@'(33!'*(%3.'!%!!^-%T9-!K+91435H!
+"/=XXNNNB9'-91',&&%A1&,-B%(4XT9%91X&3M(3:3:T3(,14G%13N9G(%:G(33'G%3'.G
%G-%T&+9143XSA13!"#DEB
!

62"0-' !%*"+"0-%24"%Q5 R"0-%20+="/0+&' '
!

DB[9',&91!83N.!
!

>M(91&.,&%!9&3/9!,17,'9&,v1!/9(9!<,9-%49(!&%1!iv7313!.,4(91'3.5H!_1%'3=!2+.,!1'3(7,3N!;
%)3(3<!%1!'+3!/9/9-!3731'9!J6K!N9.!/AT-.,+3<!,1!.373(9-!-914A943.!91<!,1'3(19',%19-!3<,9!
%A'-3'.!B
+"/=XXNNNB79',&9113N.B79X3.X,4-3.,9X19DX'91&.,9%17,91,73(.,<96%0%99G
&+,&949%7313,4(91'3B+':-!
!

"B V3-4,%1!\$,4,'9-
!

V3-,4,%1!\$,4,'9-!,!'+3!:%.!N,<3-0!(39<!3<,9!.%A(&3!)%!(3-,4,%1!,1!'+3!@/91,.,+!/39P,14!
N%(-dB
!

>M(91&.,&%!9&3/9!,17,'9&,v1!/9(9!<,9-%49(!&%1!iv7313!.,4(91'3.5H!
!

ZB WWK!8Rg@
!

>^%<Y.!g%(<!9!'+3!g%(-<Y.!W%(!3(.BH
;!3&%(<3<!'!+,.,!1'3(19',%19-!/(%4(9:IN,'+!WWK!g%(-<!@3(7,&3!,1!%A(IJ%0%-9!@'A<,%B!!2+3!
/(%4(9:9,(3<!.373(9-!,:3.!%1!'+3!WWK!_SA-0!"#D`5!
+"/=XXNNNBTT&B&%BAPX.%A1<.X/-90KNZ&.b+EF
!

UB? -9j33(9!1'3(19',%198!3N.!
!

;!+973!T331!9!&%1.A-'91!'9j33(9!83N.B!9j33(9!,1'3(19',%19-!&%1',1A3.!%!!&9--!A/%1!
:3!%1!,...A3.!%!)!3-,4,%1!91<!.%&,3'0B!;!3(73<!9!&%1.A-'91!91<9//39(3<!1A:3(%A.!',:3.!%1!
?-9j33(9!?:3(,&9!<A(,14!/(,:3!',:3!9!9!&%::31'9'!(%1!'+3!/9/9-!3731!<A(,14!*/3!
!

)"

!

M(91&.,Y!+,. '%(&!7,..!'%!'+3!61,'3<!@'9'3.B!%(3!(3&31'-05!;!N9.!,1'3(7,3N3<!%1!'+3,(!/(%4(9:!
'%!&%::31!'%1!'+3!9',&91!.A::,'!%1!&+,-<!3bA9-I9TA.3!_"#DE`B!

!
QBJ9!K(% ,b
!

MA--!,1'3(7,3N!,1!M(31&+!',-3<5!>S%3(3WA39(!-3!/9/3!M(91w%!,31'(3!-3!9',&91!3!-3!
x'9'. G1,5! A1! 1%A739A! <d/9!'1&'%T3(! "E5! "#DB! ;1'3(7,3N! &%1<A&'3<! ,! M(31&+!=!
+!/.=XXNNNB-G(% ,bB&%:XV3-,4,%GXS%G3&A9/3 M(91&%G1'(39',&91G'9'.G1., G
1%A739A3/9('G#"D#CEG"#DD"FFB

!
!
V3A'3(!
!

>!N9.!9!'3(,),3<!&+,-<!:,4(91!'N+%!T3&9:3!9!'+3%--%4,91!91<!6B@B!9:T9..9<%(=!;!N91!6B@B!
9A'+%(,'3.!%!'!%/:,.,A.,14!'!+3!W,T-35H!7GK!,1!'+3!;1'3(19',%19--0!N9&&-9:3<||3<,9!
@%A(&35!SA135!""5!"#D\=!</p></div>

!
!
+!/.=XXNNNB(3A'3(.B&%:X9('G39)A,4(91'. G%::31'9(0X&%::31'9(0GN9.GG((,),3<G
&+,-G,4(91' N+%G T3&9:3G+3%--%4,91<AGG:T9..9<%(GN91'AGG)),&9G/G%/G
:..A.,14 G+3G,T-G<6@aW8DS;"*yB

!
]B ;1)%T93

;1)%T93B&%:!,!/(,9(-,0!7,3N3<!,1!@/91,.,+!/39P,14!&%A1'(,3.=!J9',1!?:3(,&95!@/9,1!91<!'+3!
61,'3<!@'9'3.B!'!+9.9973(943!%)!#||,--,%1!A1,eA3!:%1'+0!A.3(!91<!##||,--,%1!/943!
7,3N.B

;1'3(7,3N!,1!@/91,.,+!',-3<5!SA91!*9T-%!;;!9!M(91&.,&%=!3-!(%&!&-973!<3-![9',&91%!31!-9!
(3-9&,%13.!31'(3!RR66!0!KAT95!HXNNNB,1)%T93B&%:X"#DQX#QX#ZXABTE%GG
)91&.&G%G-97G3G9',&91G.G3-9&,%133A6GAT9X

!
;1'3(7,3N!,1!@/91,.,+AT-,+3<!',-3<5!J%!:A(%!)(%1'3(,j%!(3)-3i91!-9!,1<,)3(31&,9!
,1+A:9195H!/.=XXNNNB.1)%T93B&%:X9X33AAX"#DFX#ZXGAX%G(%1'3(,j%G
(3)-3i9GG1<,)3(31&,91+A:919B

!
FB ?<1P(%1%!.!

!
?<1P(%1%!.!,!T9.3<!,1!V%:3!91<!3(73.!91<!,!9-,91!91<!,1'3(19',%19-I9A<,31&3B
!
;1'3(7,3N!,1!;'9-,9!,'-3<5!Jz3b!9:T9.&,9%(3!6.9!/(3..%!@91'9!@3<3!!4A3-!\$,9j5!
z<, &'3(911%!,1.,3:3!/(%43",!,1!(,./%.'9!7,(A.!%&,9-,!&+3!9))-44%1%!,-&!%5!M13T(32(0!
"Z5!"#"B

!
;1'3(7,3N!,1!;'9-,91!,'-3<!>?:T9.&,9%(3!6@?=[,(A.!1%1!+9!&%1),13=!:'3",9:%!A:91,'!),(.!
949,15H!/?/(-!U5!"#"B

*+"

!

;1'3(7,3N!1!;'9-,91!','-3<Jz3b9:T9.&,9'%(3!6.9!,1![9',&91%=!|-!*9/9!<3,!/%1',!.9/(!/9(-9(3!
9-!/(3.,<31'3!<3-!A(%5!|I90!"#DF5!
+!/.=XXNNNB9<1P(%1%.B&%:X)9",X3.'3(X"#DFX#QX""XCAT998.98%199/9 G:3,G
/%1',G9/(9G9(-9(3G(3.,<31'3G-3GA(%}VFi,Q\$E8%@j(O&gFyKb<0LB+'B

;1'3(7,3N!N,'+!:3!,1!;'9-,91!','-3<SKAT95!3b!9:T9.&,9'%(3!6.9!,1![9',&91%=!|*(34%!/3(!
.A&&..%!*9/9!/3(!1A%79!3(95!?!A4A.!"#DQ5!
+!/.=XXNNNB9<1P(%1%.B&%:X)9",X3.'3(X"#DQXCTX#&X&%T9.9G'9',&91%G(34%G
/3(GA&&3..G9/9 G3(GA%79(9)JyiT3P\$+yM[IlaJ][(-AeLB+':- B

62"0-' !%*"+"0-%24"%Q5R'0+-"0+&

DB?IRV;K?!!?^?!;8R !

!

>?!29-3!%)!2N%!K%A1'(.3.=!*%/3!M(91&.,![,.,!s8A3.'(9!?:3(&9BY!2+,!.IN9.!'!+3!M(%X!K%73(
J39<!*,3&3!)%3(3(&9!l949j,13!/(3&3<,14!'!+3!*9/9-![,.,!'!%'!+3!61,'3<!@'9'3.!_@3/3:T3(!
"D5!"#DQ`B
>M%(:3(![9',&91!?:T9..9<%(=!%/3!V3:,1<.!6B@B!'!+9!^(39'13..!&%:3!)(%:!J%%P,14!W30%1<!
%A(!W%(<3(.5H!S91B!"#DE
>*A!LA(!83,4+T%(!.M,(.5H!M3TBB#DE
>W%(<3(!g9--!V3)-3&A:91!;1<,))3(31&35H!)#S\$1AdI9(&+!j5!"#DFB

!

!

"B 8Rg!OLVa!2;IR@ !

!

K%1.A-'3<!91<!&,'3<!,1!>\$3./,'3!2,.,145!W3(1,3!.91<3(!@90.!?&&3/',14![9',&91!L))3(!g9.!9!
IA.'5H!?!/(-!DU5!"#D]B

!

ZB KC;K?^L!2V;W68R! !

!

>?:,<!3b!9TA.3!&(.,Tm /TT4 1 8350 .2 [(l) -0gMK?(912,Tm /TT4 (!&) 0.2 (9) 0.2 (-) 0.2(A-) 0.2 (T

!

!

K%1.A-'3@1<!&,'3<!,1!>K9'+%-,&!K+A(8,*B(.!K9--,14!)%(!*%M(91&,.!%!V3.,41B!C3(3Y.!
g+05H?/(-!\5!"#D\B!

!

FB KV6y!8Rg@ !

!!

>M%(:3(!6B@B!R17%0!'%![9',&91!%//%.3.!83N!K%::,...,%1!C39<3<!T0!*(3<3&3..%(5H!SA-0!"Z5!
"#DEB

>?!J9',1%X9!29P3=[9',&91Y.!sR&A:31,..!%)!C9'3Y!R..90!.,!%1%!:%:3+,5\$5H%!

?A4A.!F5!"#D#B!/,3&3!N9.!N33'3<!T0!M(B!?1'%1,%!@/9<9(%5!@BSB5!/(%:,131!S3.A,!9!'!+3!

[9',&91!91<!9<7,.%(!%!*%/3!M(91&,.B

>M,73!)%(:3(!?:T9..9<%(!g3,4+!,1!%1!*%/3X2(@A::,'5H!,1! 5\$"]+%@6<%PP+%PQV^.

>g+0!K9'+%-,&!.+%A-<!hA3.',%15!V3.,!2(A:!/?:<:,1,.'(9',%15H\$"]+%73:T3(!"5!

"#D]B

!

\B \$R@RVR2!8Rg@

!

;17,'3<!'+(33!%)!%A(!<%&'%(9-!.'A<31'.B!2+3.3!.'A<31'.!91<!%'!+3(!.'A<31'.!9-.%!+9<!'!+3!%//%('A1,'0!
'%!314943!,1!9!j%!:!&%173(.9%73(!.01%<9-!0!+!I9(0!I&?-33.35!M%:3(!*(3.,<31'!%)!

;(3-91

!

I9bN3--!\$,9T,. 5!I?!.!A<31'!9'!J6K !!

@9(9+!V3<<,15!5!.'A<31'!9'!J6K!

S9&P!8A3--35!I5@A<31'!9'!J6K

!

"B >*91<3:,&5!V9&35!V3-,4,%1H

!

\$(B!I9b,:%W(,%5!*(%3..%(!%)!I3<,&,135!61,73(.,'0!%1%);!

\$(B!^3(9-<,13!JA195k,&9-!\$, (3&'%(5!K+,&94%!\$3/9(':31'!%)!*AT-,&IC39-'!+5!Rb3&A',73!

W%(\$!\$, (3&'%(5!I3<,&9-!491,j9',%1%)(!J9',1%!?'<791&3:31'!_ILJ?!

I%(,9+!S%+1.%15!*+\$.!A<31'!,1!@%&,%-%405!J%0%-9!61,73(!,'0!K+,&94%

K%173(.9',%1#DE

! !

DB>?!V3./%1.3!'%!'!+3!K%14(349',%1!K9'+%-,&IR<A&9',%1Y.!\$%&A:3-1!919<!M3:9-3Y!C3!

K(39'3<!2+3:H

!

K(.,',19!2(9,195!*(%B!%)!V3-,4,%A.!@'A<3.9'!8%('!+N3.'3(1!61,73(.,'0

C,--3!C9P3(5!V,&+9(<!?B!&K%(:,&P!@BSB!K+9,(5!J%0%-9!61,73(!,'0!K+,&94%

\$97,<!Lj9(5!*(%)3..%(!R:3('A5J%0%-9!61,73(.,'0!K+,&94%

!

"B >2+3!?:9j%1!@01%K%::%1!K9(3!)%(!+3!K%::%1!^%K

!

I,&+93-!@&+A&P5!*(%3..%(!%)!2+3%-405!J%0%-9!61,73(.,'0!%)!K+,&94%

?1<(3N!W-%.3(5!\$%&'%(9-!K91<,<9'35!J%0%-9!61,73(.,'0!K+,&94%

S913!6-(,14!\$%&'%(A<35!J%0%69!73(.,'0!K+,&94%

!

K%173(.9',%1#D\DE

! !

DB>C%N!M9.&.,!g%(P.=!2+3!*%-,',&.!%)!6.!91<!2+3:H

!

S9.%1!@'91-305!S9&%T!6(%N.P0!*(%3..%(!%)!+,-.%/+0!9'!O9B!61,73(.,'0

?1'+%10!K9(<%95!*(%3..%(!%)!C,.'%(0!9!J%0%-9!61,73(.,'0!K+,&94%

!

"B >C%N!<%3.!V3-,4,73!%14!,1!*%-,',&.=?!K%173(.9',%1!%1!+3!K9'+%!&![%'3H

!

*(%B!@'3731!*B!!--,3.5!\$, (3&'%(5!W3(19(<,1!K31'3(5!K9'+2+3!%-4,&9-!61,%1!

!

ZB >2+3!J349&0!%)!I3<3--r1H=L',%1!)%(!+3!*%%(!91<!CA:91!V,4+!.!,1!J9',1!?:3(&9H!

!

?:T9..9<%(!K9(:31!J%:3--r15!)%(:3(!6B@B!?:T9..9<%(!%'!+3!L(491,j9',%1!%)!?:3(&91!

@'9'3B

!

!

?:T9..9<%(!g9--0!W(3N.'3(5%(:3(!6B@B!?:T9..9<%(!'%!\$%L,1,&91!V3/AT-,B!! !
!
!
! 2%1%0-' 5%24"1%!'-'(-%' *%6+2-!%0-' +0*' \$0"4%25"-3 !
!
"#D]G @3(3%1+3\$373-%/:31'5!;<31',0!91<!|,...,%1!K%::,"33 !)%(!+3!2+3%-40!
\$3/9(':31' B
! \$%&'%(9-!\$,...3('9',%1!\$, (3&!%(
!
!"#D]GE
! @3(73%1!J%0%-9Y.!@&+;,"!M3--%N.+/,!\$,...3('9',%1!K%::,"33!91<!' +3!239&+,14!
M3--%N.+/,!K%::,"33B
"#D\! W(%'+3(!)%(!Rb&3--31&3!31'!(
! L(491,j3<!9!@/(,14!K%1)3(31&3!%1!V3-,4,%A.!M(33<%:!' +9!T(%A4+'!'%43'+3(!-39<,14!
19',%19-!-349-!91<!' +3%-4,&9-!.&+%,99(39B!K%1)3(31&3!(3&3,73<!&%73(943!,1'+3!
8KV5!!9(&+!D"!cDZ5!"#D\B!

!
"#DEG ?//%,1'3<!%!+3!R<,%(,9-!W%9(<!%)!'+3!S%A(19-!%)20318%XD
!
! +!/.=XX(3/%..%(0BA.)&9B3<AXi+-'X3<,%(,9-T%9(<B+!:-
!
!
J3<!19',%19-!K9'+%-,&!3))%(!'!%!/!/%.3!*%:/3%Y.!K%::,...,%1!%1!;19-,319T-3!V,4+'.=
!
\$,41,'06@?=+!/.=XXNNNB<,41,'0A.9B%(4X9(',&-3X89+3(89-G'3G-3/9(':31' G
&%::,...,%1 G3G,..:91'-3<!
!
2+3!C,--=+!/.=XX'+3+,-B&%:X/%-,&0X,1'3(19',%1903#DDE39<3(N9(1949,1.G
/%:/3%. GA.+G%(9G,3(9(&+0)A:91X
!
K(Ab=+!/.=XX&(Ab1%NB&%:X&1A89A.9X"#DEX#FX)%AGG17%G/G9',&9G
%//%.3G3NB&%::,...,%1 G-39<3G0G(3<3&3..%!
!
"#D\! ? .P3<!%!i%,1!'+3!?:T9..9%(!

+Q+2*5 '+0*2%1/#0"-"/05 '

! !

!

"#""! !! J,.'3<!9:%14!%/!"Q#6@!K9'+%-,89<3(5!K9'+%-,&!C3(9-<!"#""

!

"##" ! C,./91,&!2+3%-4,&9-!;1,'9,73!W%8%8!99(!?N9(<5!:%J#1:7%F"*6!
\$,',14A,+.3<!W%%P!?N9(1J9',1b!2+3%-40B