



! "#\$%&' ()* +,%)-+. (,+\$&/!0"%!)! %23\$+4+!)3\$&5)6\$+17" 4/)
+48)944+)* +: +,&4: ()

)

!

"##\$%&' ' ' ()*+, -(./0(+1&-02, 23405!

FG) @04, (7'D4%(0)

C.!) (3(.4!0(')!=->!L=.?)5.9(.4'/K!-53\$'/'!'.1!>5?().'.3(M!'.'/O%\$#!#'%!D(359(!'.!\$9&5)4'.4!
&')4!52!4#(!\$.?(%49(.4!&)53(%%!6\$?(.!4#(!\$.3)('%\$.6!'44(.4\$5.!D(\$.6!&'\$1!45!4#(!%*%4'\$.'D\$/40!'!1!
%53\$(4'/\$9&'34!52!\$.?(%4\$.6!\$.!'!359&'!0!5)!D*%\$.(%%H!C.!35.4)'%4!45!4)'1\$4\$5.'/!%453@!\$.1\$3(%K!=->!
5.(%!'!)(!D'%(1!5.!%53\$'/'!)(%&5.%\$D\$/40!3)\$4()\$'!45!3)((.!'!1!%(/(34!4#(\$)!359&5.(.4%H!!R335)1\$.6!
45!4#(!A-BC!LA5)6'!-4'./(!B'&\$4'/'C.4().'4\$5.'/M!<E<;!>/5D'/'C.%4\$4*4\$5.'/'C.?(%45)!%*)?(O!L!
%*)?(O!52!<EE!'%%(4!5:.())\$.%4\$4*4\$5.%!:\$4#!'%%(4!454'/\$.6!'&&)58\$9'4(/O!S;T!4)\$//\$5.M!5?()!4#)((G
7*')4()!LFFUM!52!\$.?(%45)!\$.3)('%(1!=->!\$.?(%49(.4%!P%\$6.\$2\$3'.4/00!5)!P951()!4(/00!\$.!<E<EK!

D(#'?5*)K!' . 1! : # (4#(!4#(\$)!&)5&()4\$(%!')(!4#(!' 9 (!25)!1\$22()(.4!6)5*&%!52!35*.4)\$(%H! Y5)!4#\$\$!
&*)&5%(14 : 5!1\$22()(.4!/5 .6G9 (95)0!9 (4#51%K!&&(3\$2\$3'//0!+, -!' . '/0%\$%' . 1!2)'34\$5 . '/!\$.4(6)'4\$5 . K!
')(! '&&/\$(1!45! A -BC!1'4'!'&' . .\$.6!4#(!&())\$51!<EEFG<E<EH! "#() (25) (!4#(!&)(% (.4!%4*10!\$%!9*3#!
95) (!359&)(#(.%\$?(!4#'.!&)(?5\$*%!.5.(%K!%*3#!'!'A0.#')14!(4!'/H!L<E;FMK! : #3#!253*(1!5.! '!
%9'//()!%*D%(4!52!\$.1\$3(%!' .1!5./0!3'))\$(1!5*4!+, -!' . '/0%\$%H!=?\$1(.3(!52!6)('4()!(22\$3\$(.30!52!4#(!
=->!\$.1\$3(%! : 5*/1!&)5?\$1('!'11\$4\$5.'/!)('5!.!25)!%53\$'//0)(&5.%\$D/(!\$.?(%4\$.6K! : #\$/%4!'!#6#(!
1(6) (!52!&)(1\$34'D\$/40! : 5*/1!&)5?\$1(!5&&5)4*.\$4\$(%!45!9')@(4!&')4\$3&&' .4%!45!9'@(!'D.5)9'!
&)52\$4%!D0!9 ('.%!52!'&&)5&)\$'4(/0!1(%\$6.(1!4)'1\$.6!%4)'4(6\$(%H!!

"#(!/'05*4!52!4#(!&'&())\$%!4#(!25//5 : \$.6H! - (34\$5.!<!&)5?\$1(%!'!D)\$(2!)(?\$(: !52!4#(!)/(?' .4!
/\$4() '4*)(H! - (34\$5.! [!1(%3)\$D(%!4#(!1'4'!' .1!5*4/\$. (%!4#(! (9&\$)\$3'!/9 (4#515/560H! - (34\$5.!Z!&)(% (.4!
4#(! (9&\$)\$3'!/)(%*/4%H! - (34\$5.!_!&)5?\$1(%!%59 (!35.3/*1\$.6!)(9')@%H!!

4A) /B9<:29C:<)#<DB<=)

"#(!N+C!LN)\$.3\$&/(%!25)!+(%&5.%\$D/(!C.?(%49 (.4MK! : #3#!\$%! '!W`G%*&&5)4(1!. (4 : 5)@!52!\$.?(%45)!
 : #5(%!' \$9!\$%!45!&)5954(!%*%4'\$. 'D/(!\$.?(%49 (.4K! : '%!4#(!2\$)%4!45!1(2\$. (!=->!3)\$4()\$'!5!.!4#(!D'%\$%!
52! : #3#!'!454'!/!%35)(\$%!3'/3*'/4(1!25)!('3#!359&' .0K! : #3#!)(2/(34!4#(!/(?(/!52!35)&5)'4(!%53\$'!
)(&5.%\$D\$/40!LB-+M!' .1!1(4)9\$. (%!4#(! : (\$6#4!52!4#(!359&' .0!\$.!4#(!=->!\$.1(8H!=->!1'4'!')(!
%(1!45!359&')(!4#(!&())25)9'.3(!52!35.?(.4\$5.'/!?)%%!%53\$'//0)(&5.%\$D/(!\$.1\$3(%!' .1!9*4*'/!
2*.1%H!-4'49'.!L<EEEM!25*.1!4#'4!=->!\$.1\$3(%!5*4&())25)9!35.?(.4\$5.'/!5.(%!*3#!'!4#(!-aN!_EEH!
B5)4(b!(4!'/H!L<EEVM!%#5 : (1!4#'4!4#(0!&())25)9!D(44)!\$.!4#(!=*)5&' .!9')@(4!4#'.!\$.!4#(!W-!5.(%H!
c5&(b!(4!'/H!L<EEFM!359&')(!1!4#(!2\$.'.3\$'!/!&())25)9'.3(!52!359&' .\$(%! : \$4#!%53\$'/G)(&5.%\$D/(!
\$.?(%49 (.4!L-+CM! : \$4#!4#'4!52!

.5!(?\$1(.3(!# '4!4#(0!5*4&()25)9 !#(\$)!35.?(.4\$5. '/!&()H!c(\$(!' .1!B5)4(b!L<E; [M!35.2\$)9 (1!4# '4!
1\$22()(.3(%!D(4 : ((. !- +C!2* .1%! ' .1!35.?(.4\$5. '/!5. (%!')(!.54!%4 '4\$%4\$3'//0!%\$6. \$2\$3' .4H!!!
=!/>#5*!' .1!d ')5*\$!L<E;XM!35.3/*1(1!4# '4!#6#GB- +!2* .1%!')(!5*4&()25)9 (1!D0!/5 : GB- +!
5. (%! ' %!4#(\$)!\$.?(%45)!1()\$?(!*4\$/\$40!2)59! .5.G&()25)9 ' .3(!'44)\$D*4(%H!B5)4(b! ' .1!c(\$(!L<E;_M!
')6*(1!4# '4!\$.!6(.)'!/!= ->!\$.1\$3(%!* .1()&()25)9!1*)\$.6! .5)9 '/!&()\$51%K! : #\$/%4!1*)\$.6!4*)95\$!
&())\$51%!%*3#!' %!4#(!<EEF!6/5D' /!2\$. ' .3\$' /!3

L<E<;MK! : #5!' . '/0%(1!4#(!Q5 : !^5 . (%K!=*)5%4588K!' . 1!J' . 6!- (.6!95 . 4#/0!' . 1! : ((@/0!%*%4'\$. 'D/(!
' . 1!4)'1\$4\$5 . '/!\$. 1\$3(%\!#\$6#!/(?(/%!52!&())%\$%4(.3(! : ()(!5D%())?(1!\$.!'/!3'(%!' . 1! . 5!1\$22())(.3(%!
: ()(!1(4(34(1! '3)5%%! 9 ')@(4%h! N())%\$%4(.3(! \$%! '!' 9 ('%*)(! 52! 9 ')@(4! (22\$3\$ (.30! '%! 1\$3*%%(1! D0!
A' . 1(/D)54!L;VF<M!' . 1!N(4())%L;VV;K! ;VVZMH!N)(?5*%!%4*1\$(%!' . '/0%\$.6!\$4!25)!?)\$5*%!2\$. ' . 3\$'!/!
9 ')@(4%!' /%5! \$.3/*1(! >)((.(! ' . 1! Y\$(/\$4b! L;VFFMK! c5! L;VV;MK! ^'35D%(.! L;VV_MK! B5%4!'! ' . 1!
e '%35.3(/5%!L<EE[MK!g . '/\$!' . 1!>511')1!L<E; ;MK!B'&5)'/(!4!' /H!L<E; XMH!
)

H6) I+4+)+07) * &4J(7(\$(#5)

h (! ' . '/0%(! 4 : 5! %(4%! 52! ;<! =->! ' . 1! 35 . ?(.4\$5 . '/! 1'\$/0! \$. 1\$3(%! 2)59! 4#(! A-BC! : (D%\$4(!
[#44&%1,, : : : H9 %3\\$H359 ,](#)

<H!! "#%&()\$51!\$%!1\$?\$1(1!\$.45!35.4\$6*5*%! !%*DG&())\$51%!: \$4#!/(.64#!.K!%*3#!4#'4! /
K!4#(!('3#!%*DG&())\$51!\$%!\$1(.4\$2\$(1!'%! ~K!6\$?(!.4#(!2'34!4#'4! !n!;K!<K![H!H!H!K! H!='3#!(/(9(.4! ~!\$!
)(&)(%.4(1!'%! #!: \$4#! !n!;K!<K![H!H!H!K! H!Y5)('3#! ~!: \$4#!/(.64#! !4#(!'?)'6(!", !\$%!1(2\$. (1!'%!

— Σ " ! H! ! L<M!

[H!! R33*9*/'4(1!(?'4\$5.%! #~!2)59!4#(!'?)'6(!", !25)('3#!%*DG&())\$51! ~!')(1(2\$. (1!
'%!

H!! ! ! L[M!

"#(!)' .6(!\$%!1(2\$. (1!'%4#(!9'8\$9*9!\$.1(8! #~!9\$. *%4#(!9\$. \$9*9! #~!K!: \$4#\$. !('3#!
%*DG&())\$51!L ~MI!

! ! ! LZM!

ZH!! "#(!%4'.1')1!1(?'4\$5.!! !\$%!3'/3*/'4(1!25)('3#!%*DG&())\$51! ~!

H! ! ! L_M!

_H!! ='3#)'.6(! ~!\$%!..5)9'/%(1!DO!1\$?\$1\$.6!DO!4#(!35))(&%5.1\$.6! %~H!"#() (25)(K!4#(!
) (G.5)9'/%(1!%3'/(1*)\$.6!('3#!%*DG&())\$51! ~!\$%! %" %~H!C.!%4(&!<!D5?(K!'1k'3(.4!%*DG&())\$51!52!
(.64#!..!')(!5D4'\$.(1H!"#*%K!4#(!'?)'6(!+,-!25)!/(.64#! !\$%!1(2\$. (1!'%!

! ! ! LXM!

XH!! "#(!/(.64#! !\$%!\$.3)('%(1!45!4#(!.(84!#6#(!)/(?/K! K!' .1!9*%4!D(!'.!\$.4(6(!
. *9D()H!C.!4#\$%!3'%K! G\$.1\$3(%!4#'4!\$.3/*1(14#(!%4')4!' .1!(.1!&5\$.4%!52!4#(!4\$9(!%()\$(%!)!(*%(1K!' .1!
-4(&%!;!G!X!')(!)&('4(1!* .4\$! H!

FH!! "#(!/'%4!%7*')(!9(4#51!\$%!*(1!45!(%4\$9'4(!4#(!7*'4\$5.!

"#(!%/5&(!52!4#(!)(6)(%\$5.!.!\$.(!\$%!'.!.!(%4\$9'4(!52!4#(!J*)%4!(8&5.(.4! H!LJ*)%4K!;V_ ;MH!!

"#(!J*)%4!(8&5.(.4!/\$(%!\$.!4#(!\$.4())?'/!oEK!;pH!g.!4#(!D'%\$%!52!4#(!J!?'/*(%!4#)((!3'4(65)\$(%!
3'.!D(!\$1(.4\$2\$(11!4#(!%(\$(%!'))(!'.4\$G&())%\$%4(.4K!'!1!)(4*).%!'')(!.(6'4\$?(/0!35))(/'4(1!LE!q!J!r!EH_M!
4#(!%(\$(%!'))(!'.159K!)(4*).%!'')(!*.35))(/'4(1K!'!1!

.5\$%(!&)53(%%H! h(!*%(!&')'9(4)\$3!' .1!%(9\$&')'9(4)\$3!9(4#51%K!\$.!4#(!25)9()!3'%'! '%%*9\$.6!

-4')4\$.6! : \$4#! 4#(! = - > !\$. 1\$3(%K! * . 1()! 4#(! '%%* 9&4\$5 .! 52!

NRBCYCB!)8S(SHK) V8S(S[[Y]))8S(SFPX)	!GEHE[Z! LGEHE__K!!!!GEHE;<M!	!GEHE[_! LGEHE_XK!!!!GEHE;<M!
I +CB -!)S(SKZ) V8S(SF\Y))))S(SSTPX)	!EHEZF! LGEHE;XK!!!!EHET<M!	!EHEZX! LGEHE;_K!!!!EHET;M!

TK#! 7%54#(!.)! ;*50!

B#\$. '!' . 1!-5*4#!R2)\$3 'K!' . 1!/5 . 6!9 (95)0!L\$H(HK!1!v!EM!\$%!1(4(34(1!\$. !4#(!3'%'(!52!4#(!C . 1\$'K! h 5)/1K!
= 9 ()6\$. 6!A ')@(4%K!=RY=!' . 1! I +CB - !\$. 1\$3(%H!
W . 1()!4#(!'%%*9&4\$5 . !52!35))(/'4(1!())5)%!4#(!4\$9 (!4)(. 1!\$%!5 . /0!%\$6 . \$2\$3' . 4!25)!4#(! h 5)/1!
\$. 1(8K! : #\$/%4!\$. !4#(!)(9 '\$. \$. 6!3'%'(%!D54#!4#(!\$. 4()3(&4!' . 1!4#(!4\$9 (!4)(. 1!')(!\$. %\$6 . \$2\$3' . 4H!R . 4\$G
&())%\$4(. 3(!\$%!25* . 1!\$. !4#(!3'%'(!52!4#(!

- ()\$(%!`	5!1(4)9\$. \$%4\$3! 4()9%!`	R. !\$.4()3(&4!	R. !\$.4()3(&4!' .1!! /\$. ()!4\$9 (!4)(. 1!
W-R!	8S(SHU) V8S(SUSV))))S(SSKX)	GEHEZ<! LGEHEV ;K!!!!EHEEZM!	GEHEZT! LGEHEV ;K!!!!EHEEZM!
Wd!	8S(SZ() V8S(FFSV))))8S(SKFX)	GEHEF_! LGEH ;EVK!!!!GEHEZ ;M!	GEHEFX! LGEH ; ;<K!!!!GEHEZ<M!
BJC`R!	8S(SPT) V8S(S[U]))8S(SSFX)	GEHE<T! LGEE_VK!!!	

1 \$./'(+	2 /).\$+'')%\$+\$##'##%+		3 -.'4'##\$5,.\$(\$##'##%+	
! "-'.#)\$%+	678 +	! ''9\$'.)'',5++	678 +	! ''9\$'.)'',5++
6 [R!	EMBM=_#!! VEMBOM=2!!!EMBM\MY!	EMBM=_#! VEMBOM=2!!!EMBMX\Y!	MBMM=!! VEMBMN>2!!!!MBMQPY!	EMBM>_! VEMBM_M2!!!!MBMMPY!
6A !	EMBMN\#! VEMBMP_2!!!EMBMNY!	EMBMNP#! VEMBMPO2!!!EMBMNY!	EMBM=N#! VEMBONN2!!!EMBM>>Y!	EMBM\Q#! VEMBOOM2!!!EMBMPOY!
G @]`R!	EMBMNM! VEMBMQN2!!!!MBMMPY!	MBMM\! VEMBMOX2!!!MBM>PY!	EMBM>#! VEMBM==2!!!EMBMMOY!	EMBMN=#! VEMBMQ_2!!!!EMBMMOY!
]`"]R!	!MBMM_#! VEMBMO>2!!!!MBM>>Y!	!MBM>>\$! VEMBMON2!!!!MBMQNY!	!MBM>O! VEMBM_M2!!!!MBMXMY!	!EMBMX! VEMBM>O2!!!!MBM>XY!
aR? R`!	EMBOM>#! VEMBONM2!!!EMBM=OY!	E		

R%!3' .!D(!%((.K! : \$4#! : #54(!.5\$%(!())5)%K!4#(!')(!1\$22)(.3(%!D(4 : ((. !4#(!4 : 5!%(4%!52!
\$. 1\$3(%!5./0!\$. !4#(!3'(%(!52!C. 1\$!' . 1!4#(! I +CB -K! : #(!%#5)4! 9 (95)0!L1!n!EM!3#')'34()\$(%!4#(!
=->!\$. 1\$3(%!' . 1! /5 . 6!9 (95)0!L1!v!EM!4#(!35. ?(. 4\$5. '/!5. (%K!' . 1! /%5!\$. !4#(!3'(%(!52!-5*4#!R2)\$3'K!
: #(!4#(!=->!\$. 1(8!(8#\$D\$4%' . 4\$G&())%\$%4(. 3(!' . 1!4#(!35. ?(. 4\$5. '/!5. (!%#5)4! 9 (95)0!\$. %4('!H! I O!
35.4)'%4K! : #(!' //5 : \$. 6!25)! '*4535))(/'4\$5. K!1\$22)(.3(%!')(!25* . 1!\$. !4#(!3'(%(!52!4#(! h 5)/1K!=RY=
' . 1! N'3\$2\$3! \$. 1\$3(%K! 4#(!=->! 5. (%! D(\$. 6! 3#')'34()\$(%! D0! %5)4! 9 (95)0! L1! n! EM! !' . 1! 4#(!
35. ?(. 4\$5. '/!5. (%!D0!' . 4\$G&())%\$%4(. 3(!L1!r!EMH!

C. !6(. ()' /K! 4#(!2)'34\$5. '/!\$. 4(6)'4\$5. !.)(%*/4%! 35.2\$)9!4#5%(!D'(%!1!5. !4#(! +, -!' . '/0%\$%K!
' . 9(/0!4#(!')(!. 5!%\$6. \$2\$3' . 4!1\$22)(.3(%!\$. !4()9%!52!4#(!1(6)((!52!&())%\$%4(.3(!D(4 : ((. !4#(!4 : 5!
%(4%!52!\$. 1\$3(%H!Y*)4#(!K!#56#(!)&())%\$%4(.3(!%!25* . 1!25)! (9 ()6\$. 6!9 ')@ (4%!4#'. !25)!1(?(/5&(1!5. (%K!
4#(!25)9 (!' &&(')\$. 6! 45! D(! /(%%! (22\$3\$(. 4H! "#(%!(2\$. 1\$. 6%! \$9 &/0! 4#!'4! 4)'1\$. 6!' . 1!\$. ?(%49 (.4!
%4)'4(6\$(!D'(%!1!5. !4#(!=->!\$. 1\$3(%!')(!. 54! 95) (!&)52\$4'D/(K!4#5*6#!4#(!) !9\$6#4!D(!%35&(!25)!
'D.5)9 '/!&)52\$4!\$. !4#(!3'(%(!52!4#(!/(%!(22\$3\$(.4!(9 ()6\$. 6!9 ')@ (4%!L4#(! I +CB -!\$. !&')4\$3* /')MH!!

N5%\$D/(! (8&/' . '4\$5. %! 25)! 4#(%!) (%*/4%! \$. 3/*1(! 1\$22)(.4! 40&(! 52! x3' 95*2/'6(y! 5)!
x : '%#\$. 6y! L%((! >)'OK! <EEXMK! . ' 9(/0! 4#(! 9\$%)&)(%.4'4\$5. !52! '!' 359 &' . 00%! =->!) (35)1! D0!
(8'66)'4\$. 6! \$4% (. ?\$)5. 9 (.4' /! 3)(1(.4\$' /%! Lx6)((. ! : '%#\$. 6yMK! 5?())%4'4\$. 6! 4#(! \$9 &'34! 52! ' . !
\$. ?(%49 (.4!5. ! /'D5*)!5)!#*9' . !)\$6#4!Lx%53\$' /! : '%#\$. 6yMK!3)('4\$. 6!4#(!2' /%(! \$9 &)(%\$5. !52!D(\$. 6!
c > I " !L/(%D\$' . K!6'OK!D\$(8*' /K!' . 1!4)' . %6(. 1()M!2)\$(. 1/O!Lx&\$. @! : '%#\$. 6yMK!%\$6. \$. 6!*&!25)!4#(!W `!
359 &'34!' . 1! *%\$. 6!4#(!W ` !/565!45!#%\$24! '44(.4\$5. !2)59!35.4)5?())%\$' /!D*%\$. (%%!)&'34\$3(%!LxD/*(!
: '%#\$. 6yMK!5)!#56#/\$6#4\$. 6!&)56)(%45 : ')1%!59 (!- *%4'\$. 'D/(!Q(?(/5&9 (.4!>5' /%L-Q>M! : #\$/%4!
#\$1\$. 6!59 (!7*(%4\$5. 'D/(!D*%\$. (%%!)&'34\$3(%!\$. !4#(!&*)%*\$4!52!&)52\$4!Lx-Q>! : '%#\$. 6yMH!C. !' //!%*3#!
3'(%!359 &' . \$(%K!1(%&\$4(!4#(\$)! // (6(1!=->!3)(1(.4\$' /%K!D(#' ?(!\$. !4#(!% '9 (! : '0!' %!35. ?(. 4\$5. '/K!
&)52\$4G% (@\$. 6!5. (%!' . 1!4#*%\$!\$!\$. 54!%*)&)\$%\$. 6!4# '4!4#(!%4'4\$4\$3' /!&)5&())4\$(!52!4#(\$)!%453@%' . 1!4#(!
35))(%&5. 1\$. 6!\$. 1\$3(%!%5*/1!D(!4#(!% '9 (H!!

C. !&)'34\$3(!\$4!\$%!524(. !1\$22\$3*/4!45!\$1(.4\$20!x : '%#\$. 6y!6\$?(. !4#(! (8\$%4\$. 6!)(6* /'4\$5. %!5. !=->!
)(&5)4\$. 6!25)!\$. %4' . 3(K!5. /0!5. !;E!A ')3#!<E<;! : '%!4#(!=W!+(6* /'4\$5. !<E;V,<ETT!&)5&5%(1!D0!4#(!

=*)5&(' !B5*.3\$/!5. !<F!` 5?(9D!)<E;V!'&&)5?(1!D0!4#(!=*)5&(' !N')/\$' 9 (.4\!4#\$\$!\$%' !'44(9&4!
45! 3)('4(!' 3/'%%\$2\$3'4\$5. !52! 6)((. !L%*%4'\$. 'D/(M! '34\$?\$4\$(\$! ' .1!)(6*/'4(!4#(\$)! 1\$%3/5%*)(H!C4! \$%!
.54(:5)4#0!4#'4!4#(!I +CB%!35* .4)\$(%!')(/('1()!\$. \$9 &/ (9 (.4\$.6!=->!)(&5)4\$.6!&)'34\$3(%H!C. !<E<EK!
4#(0! :)('95.6!4#(!45&!<E!35* .4)\$(%!\$. !4()9%!52!=->!)(&5)4\$.6!)(6*/'4\$5. %! ' .1!4#(!%#')(!52!
359 &' .\$(%!)(&5)4\$.6!5. !%*%4'\$. 'D\$/40!LC. 1\$'I!;T!)(6*/'4\$5. %K!VT!U!52!)(&5)4\$.6!359 &' .\$(%\!I)'b\$/!
;T!' .1!T_U!)(%&(34\$?(/0\!B#\$. 'I!;_!' .1!FTU!)(%&(34\$?(/0!G!dNA >K!<E<E\!e' .!1()!c*64K!<E<EMH!
Y5)!(8'9 &/K!\$. !C. 1\$'K! '//!/\$%4(1!359 &' .\$(%!')(!)(7*\$)(1!45!1\$%3/5%(!%*%4'\$. 'D\$/40!\$.25)9 '4\$5. !\$. !

\$.!\$4%!?'')\$5*%!25)9%M\!4#*%!\$4!\$%! .54!%*)&)\$%\$.6!4#'4!4#(\$)!%453@%!%#5*/1!#'?(!4#(!%'9(!&())%\$%4(.3(!
&)5&()4\$(!%'!4#5%(!52!35.?(.4\$5.'!/!5.(%H!!

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#<E<:<F;<8)

RD\$1\$.K!-H!mHK!a!>' .K!BH!L<E;FM!Q5!%53\$'//O!)(%&5.%SD/(!\$.?(%49(.4%4)'4(6\$(%1%\$6.\$2\$3'.4/O!)(1*3(!1\$?)(%\$2\$3'4\$5.!D(. (2\$4%|!N'&(!)&)(%.4(1!'4!4#(!N)53((1\$.6%!G!<<.1!C.4()).'4\$5.'/!B5.6)(%1!5.!A51(/\$.6!'!1!-\$9*'/4\$5.K!A g Q-CA!<E;FK!FFFGFT[H!]

I(33#(44\$K!cHK!B\$3\$(44\$K!+HK!!Q'/{K!RH!a!J())b(/K!-H!L<E;_M!-53\$'//O!)(%&5.%SD/(!'.1!35.?(.4\$5.'/!\$.?(%49(.4!2*.1%1!&()25)9'.3(!359&')\$%5.!'.1!4#(!6/5D'!/2\$.'.3\$'!/3)\$%\$H!R&&/\$(1!=35.59\$3%H!ZFL<_MK!<_Z;G<_X<H!;EH;ETE,EEE[XTZXH<E;ZH;EEE_;FH!

I/5592\$(/K!NH!L;VF[M!R.!(8&5.(.4\$'!/951(/!25)!4#(!%&(34)*9!52!'!%3'/'!)4\$9(!%)(%H!I\$59(4)\$@'K!XEK!<;FG<<XH!

B'&5)'/(K!>H!AHK!>\$GR/'.'K!cHK!N/'%4*.K!RHK!a!A'@')(.@5K!CH!L<E;XM!c5.6!9(95)0!\$.!4#(!W@)\$.\$.!%453@!9')@(!'.1!2\$.'.3\$'!/3)\$%(\$H!^5*).'/!52!=35.59\$3%!'!1!Y\$.'.3(K!ZE!L<MK!<[_G<_FH!

B#\$'&&\$.\$K!JHK!e(.45K!>HK!a!Q(!N'/'9'K!cH!L<E<;M!#"(\$9&'34!52!35?1G;V!53@15:.%15.!%*%4'\$. 'D/(!\$.1(8(%H!-*%4'\$. 'D\$/40!L-:\$4b()/'.1MK!;[!LZMK!;G;TH!;EH[[VE,%*; [EZ;TZX!

B5)4(bk!AH!a!c(\$4(K!NH!L<E;_M!N()25)9'.3(!52!=*)5&('!-53\$'//O!+(%&5.%SD/(!Y*.1%1!*)\$.6!A')@(!B)\$%(!1!=?\$1(.3(!2)59!Y)' .3(H!C.4()).'4\$5.'/!+(?\$(;!52!Y\$.'.3\$'!/R.'/0%\$H!ZEK!;[<G;Z;H!;EH;E;X,kH\$)2'H<E;_HE_HE;<H!

B5)4(bk!AHK!-\$/'K!YH!a!R)(/K!`H!L<EEVM!-53\$'//O!+(%&5.%SD/(!C.?(%4\$.6!\$.!4#(!>/5D'!/A')@(!41"#!N()25)9'.3(!52!W-!'!1!*=)5&('!Y*.1%1!H!C.4()).'4\$5.'/!^5*).'/!52!Y\$.'.3(!a!=35.59\$3%H!;F!L[MH!;EH<;[V,%%);H;[Z<ZXVH!]

B*.#'K!YH!RH!YH!QH!-HK!1(!g/\$?(\$)'K!H!AHK!g)'45K!+H!^HK!d/54b(/K!AH!BH!B0)\$.5!g/\$?(\$)'K!YH!cHK!a!B'\$'15K!+H!>H!>H!L<E<EM!B'.!%*%4'\$. 'D/(!\$.?(%49(.4%!5*4&()25)9!4)'1\$4\$5.'/!D(.3#9')@%!!(?1(.3(!2)59!6/5D'/'!%453@!9')@(!4%1!I*%\$.(%!-4)'4(60!'!1!4#(!=.?)5.9(.4K!<VL<MK!XT<GXVH!;EH;EE<,D%(H<[VFH!

Q'##'%'K!+H!L;VTVM!=22\$3\$(.4!&')'9(4)(%4\$9'4\$5.!25)!%(/2G%\$9\$/'!)&)53(%H!R..'/!52!-4'4\$%4\$3%!;FK!;FZVG;FXXH!

1(!Q\$5GR/\$k'K!"HK!1(!+~5!B'D'//()5K!AHK!>\$GR/'.'K!cH!RH!a!A')4\$.Ge'/9'05)K!AH!L<E<;M!-453@!9')@(!4!\$.1\$3(%!'!1!%*%4'\$. 'D\$/40!R!359&')\$%5.!D(4((.1!4#(9H!^5*).'/!52!-*%4'\$. 'D/(!Y\$.'.3(!'.1!C.?(%49(.4!;EH;ETE,<EZ[EFV_H<E<;H;TVXVTTH!

Q*)].G-' .459\$K!NHK!>5.b]/(bk!cHK!Q59\$.6*(%K!+H!a!+(D5)(15K!^H!L<E;VMH!•H!; ;H!<VF<H!;EH[[VE,%*;; ;E<VF<H!]

=/!>#5*/K!-H!a!d')5*\$K!RH!L<E;XM!Q5(%!B5)&5)'4(!-53\$'//O!+(%&5.%SD\$/40!R22(34!A*4*'/!Y*.1!N()25)9'.3(!'.1!Y/5:%|H!^5*).'/!52!I'.@\$.6!a!Y\$.'.3(H!FFH!;EH;E;X,kHkD' .@2\$.H<E;XH;EH!EEVH!]

>\$GR/'.'K!cH!RH!a!+5D\$.%5.K!NH!AH!L;VVM!"(%4\$.6!52!*.\$4!)554!'!1!54#(!.5.%4'4\$5.'!)0!#0&54#(%(%!\$.!9'3)5(35.59\$3!4\$9(!%)(%H!^5*).'/!52!=35.59(4)\$3%K!TEK!<K!<Z;G<XTH!;EH;E;X,-E[EZG

+(#9'.K!+H!W!m#'.6K!^HK!W&&' /K!^HK!B*/\$.'.K!BHK!a!R@)'9!`'%%((9K!AHL<E;XM!R)!(.?\$)5.9(.4'!/!
%53\$'!/65?().'.3!(7*\$40!\$.1\$3(%!'!D(44!)3#5\$3(!25)!\$.?(%45)%|!'!.'%\$'!.!&())%&(34\$?(H! I*%\$. (%%!
=4#3%K!<_LZMK!ZZEGZ_VH!15\$I;EH; ; ; ;,D(())H;<;<F!

+5D\$.%5.K!NH!AHL;VVZM! =22\$3\$(.4!4(%4%!52!.5.%4'4\$5.'!)0!#0&54#(%(K!^5*).'/!52!4#(!R9())\$3'!.!
-4'4\$%4\$3'!/R%%53\$'4\$5.!TVK!;Z<EG;Z[FH!

+5D\$.%5.K!NH!AHL;VV_M!>'*%\$\$.!(9\$G&')'9(4)\$3!(%4\$9'4\$5.!52!/5.6G)'.6(!1(&(.1(.3(H!R..'/%!52!
-4'4\$%4\$3%K!<[K!;X[EG;XX;H!

-3#)f1(K!AHL<EEZM!"#(N(25)9'.3(!52!-53\$'//0!+(%&5.%\$D/(C.?(%49(.4%1C.?(%49(.4!Y*.1%!'!.1!
C.1\$3(%H!Y\$.'.3\$'!/A')@(4%!'!.1!N5)425/\$5!A'. '6(9(.4H!;TH!;<<G;Z<H!;EH;EEF,%;;ZETG

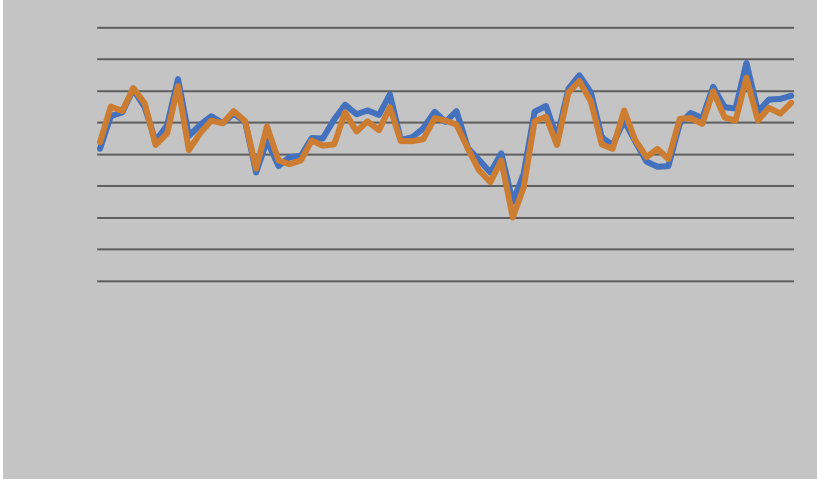
+GG<F?BH)+)

!

I 50+ ' %D)LJ?)+0+\$53%3)

)

^%#" ,& 9(GFE) I 50+ ' %D)LJ?)+0+\$53%3) (:4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (: * ? - @)1?9)



!

^%#" ,& 9(PE) I 50+ ' %D)LJ?)+0+\$53%3) (:4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (: * ? - @)1 _)

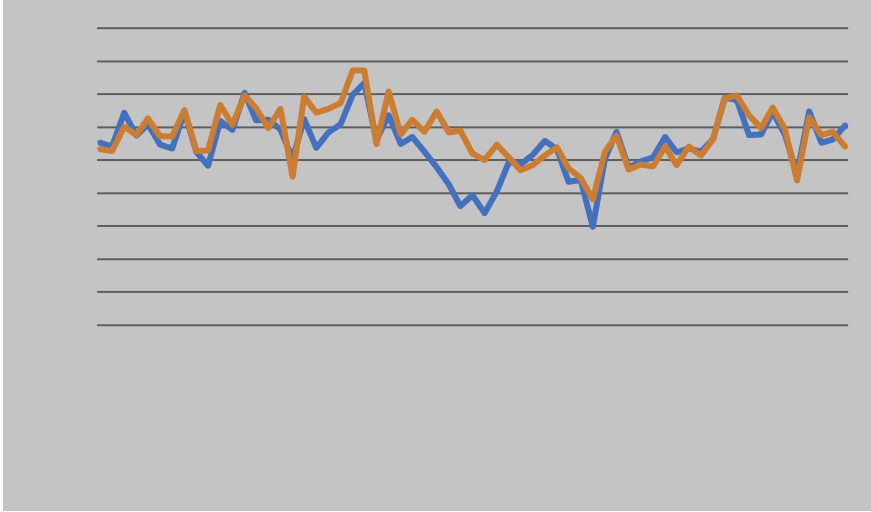
!

!

^%#" ,& 9(GHE) I 50+ ' %D)LJ?)+0+\$53%3) (:4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (: * ? - @) - J%0+)

!

^%#" ,& 9GKE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !) +07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @)%07%+)



!
^%#" ,& 9G[E) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !) +07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @)B+ . +0)

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^%#" ,& 9G\E) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !) +07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @)('4J)9: , %D+)

)

^%#" ,& 9(ZE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @) ` (,\$7)

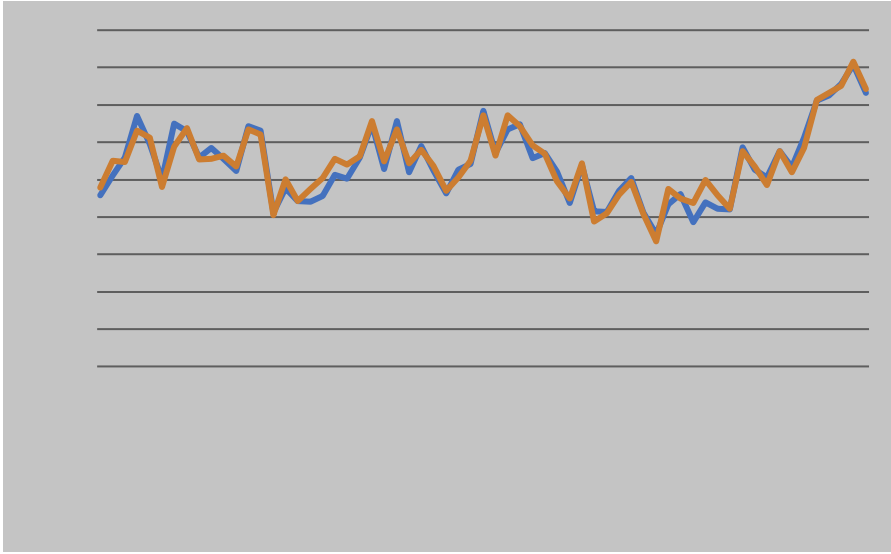


!
^%#" ,& 9(TE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @) / L@ -)

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^%#" ,& 9(UE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&)C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3&) (:)
* ? - @)C ' & ,#%0#) * + ,A&43)

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^%#" ,& 9(FSE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3& (:)
* ? - @)C9^C)



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^%#" ,& 9(FFE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3& (:)
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^%#" ,& 9(FPE) I 50+ ' %D)L]?) +0+\$53%3) (:)4J&C? !)+07)D(02&04%(0+\$) * ? - @)%07%D&3E)4J&)D+3& (:)
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9 . .&07%(< /)
I 50+ ' %D)L]?) +0+\$53%3

M+N\$& / (GHE) I &3D, % . 4%2&)34+4%34%D3)+07)484&343) (:)4J&)750+ ' %D)LJ?)+0+\$53%3), &3''\$43E)4J&)D+3&) (:)
Q(, \$7), &#% (03)