S6 f ; 9!S!J!d2<.4!Q&/%24!<#.!()#%&/R'%2!%)!./$('$$/)#!<R)'%!.)L2$%/(!<#.!/#%2&#<%/)#<@!0'L<#!&/i0%$!/$$'2$!<%!<!R<$/(!@2V2@6!

B6 f ; 9!B!J!d2()i#/Y2!<#.!<((2$$!0'L<#!&/i0%$!/#$%&'L2#%$!.2:/#/#i!m0'L<#!&/i0%$n!<(()&./#i!%)!/#%2&#<%/)#<@!@<Q!*$'(0!<$!%02!b#/V2&$<@!72(@<&<%/)#!):!?'L<#!d/i0%$+!V/<!)#@/#2!<#.!@/R&<&3!&2$)'&(2$6!

Z6 f ; 9!Z!J!d2()i#/Y2!<#.!<((2$$!%02!&2E)&%$!):!(2#%&<@!)V2&$/i0%!<i2#(/2$!<#.!#)#Ji)V2&#L2#%<@!)&i<#/Y<%/)#$4!$'(0!<$!CL#2$%3!"#%2&#<%/)#<@!<#.!?'L<#!d/i0%$!U<%(04!%0<%!&2E)&%!)#!0'L<#!&/i0%$!<R'$2$!%)!%02!b#/%2.!c<%/)#$!<#.!i@)R<@!E)E'@<(26!

F6 f ; 9!F!J!f)LE<&2!<#.!()#%&<$%!0)Q!m&/i0%$n!<#.!m./i#/%3n!0<V2!R22#!.2:/#2.!R3!<#.!:)&!V<&/)'$!('@%'&2$!%O&)'i0)'%!%02!Q)&@.6!

A6 f ; 9!A!J!CEE@3!<#!/#%2&./$(/E@/#<&3!0'L<#!&/i0%$!:&<L2Q)&M!%)!<#<@3Y2!$)(/<@!E&)R@2L$4!E)@/(/2$4!<#.!E&<(%/(2$!/#!%02!b6^6!

B*R7,.*6!I*S)':B*#6,$2'!!

I*S)J&&T!

_))).0<&%4!=/(0<2@6!*BGS[+6!*!"#$%&'()*+,-&./0(+(1,&$%2&.3$1+(144!D0/&.!-./%/)#4!c2Q!k)&M,!9j:)&.!b#/V2&$/%3!8&2$$6!"^ac!I[HGSIH[GH[KK!!

K)5*.!B*#6,$2'!

C&L<@/#24!U64!76^6!_@<$R2&i4!<#.!a6!8'&M<3<$%0<!o-.$6p6!!*BGSS+6!*!"#$%&3()*+,&(%&/"3&/5%&6$178$32-&&9%:",+(14&$%2&34,(,+$%14&(%&+*4&;%(+42&<+$+4,6!!80/@<.2@E0/<4!8C,!b#/V2&$/%3!):!82##$3@V<#/<!8&2$$6&

c9D-,!D0/$!R))M!/$!<V</@<R@2!<%!%02!^5^b!1/#i!;/R&<&3!<#.!2@2(%&)#/(<@@3!%0&)'i0!%02!@/R&<&3q$!Q2R$/%26!

^%'.2#%$!<&2!2jE2(%2.!%)!&2<.!%02!.</@3!02<.@/#2$!):!<!L<0)&!/#%2&#<%/)#<@!#2Q$E<E2&!<#.!$'R$(&/R2!%)!%02!
?'L<#!d/i0%$!U<%(0!7</@3!a&/2:!2L</@h!$/i#!'E!:)&!%02!./@3!2L</@!02&2,!
0%%E$,XX<(%/)#60&Q6)&iXE<i2XZKIFSX$'R$(&/R2XS6!!
!
^'EE@2L2#%<@!&2<./#i$!Q/@@!R2!E)$%2.!)#!%02!f<#V<$!Q2R$/%26!D02!()'&$2!&2<./#i!$(02.'@2!/$!$'R02(%!%)!(0<#i2h!(02(M!3)'&!f<#V<$!L2$$<i2$!&2i'@<&@3!:)&!<#3!'E.<%2$6!!

"722*')*6!B*'&7.9*'!3&.!B*3*.*$9*!#$6!B*'*#.95!&$!4 7 8 #$!B,25)'!G$').7 8 *$)'A!M&$,)&.,$2!#$6!B*<&.),$2!!

b#/%2.!c<%/)#$,!0%%E,XXQQQ6'#6)&iX&/i0%$!

b#/V2&$/%3!8)@/(3!^SKJI4! f) ' &$2!^3@@<R/!*0%%E,XXQQQ6$0$ ' 62 . ' X$2#<%2X .) ($X^SKJI6E . :+!&2g ' /&2$!%02!:)@@)Q/#i!
@<#i ' <i2!%)!R2!/#(@ ' . 2 . !/#!%02!$3@@<R ' $,!
m^ ' ((2$$!/#!%0/$!( ) ' &$2!/$!R<$2 . !)#!%02!2jE2(%<%/)#!%0<%!$% ' . 2#%$!Q/@@!$E2#.4!:)&!2<(0! ' #/%!):!(&2./%4!<!L/#/L ' L!
):!FA!0) ' &$!)V2&!%02!@2#i%0!):!%02!( ) ' &$2!*#)&L<@@3!%0&22!0) ' &$!E2&! ' #/%!E2&!Q22M+!:)&!/#$%& ' (%/)#4!
E&2E<&<%/)#X$% ' . 3/#i4!)&!( ) ' &$2!&2@<%2 . !<(%/V/%/2$4!/#(@ ' ./#i!R ' %!#)%!@/L/%2 . !%)!/#%2&#$0/E$4!@<R$4!<#.!(@/#/(<@!
E&<(%/(<6!9%02&!( ) ' &$2!$%& ' (%' &2$!Q/@@!0<V2!2g ' /V<@2#%!Q)&M@)<.!2jE2(%<%/)#$!<$!.2$(&/R2.!/#!%02!$3@@<R ' $6n!
&

U ' ',2$ 8 *$)' !

=@ 4 7 8 #$!B,25)' !0 7 . . *$)!P-*$)!B*<&.)' !?F!.*<&.)' !V&.)5!=DW!*#95!3&.!FDW!&3!3,$#1!2.#6*@!

F@ 4 & 8 *V&.T!U ' ',2$ 8 *$)' !#$6!X7,YY*' !?ZDW!&3!3,$#1!2.#6*@!

[@ 4 7 8 #$!B,25)' !H,1 8 !B*-,*V!?=\W!&3!3,$#1!2.#6*@!

Z@ H,$#1!PS# 8 !?F\W@!

=@ 4 7 8 #$!B,25)' !0 7 . . *$)!P-*$)!B*<&.)' !! ! ?F!.*<&.)' A!V&.)5!=DW!*#95!3&.!FDW!&3!3,$#1!2.#6*@!

^%' . 2#%$!Q/@@!$ ' R$(&/R2!%)!<#.!&2<.!? ' L<#!d/i0%$!U<%(0q$!7</@3!a&/2:6!^/i#! ' E!:)&!%02!7</@3!a&/2:!02&2,!
0%%E$,XX<(%/)#60&Q6)&iXE<i2XZKIFSX$ ' R$(&/R2XS!
!
^%' . 2#%$!Q/@@!( ) LE@2%2!%Q)!0 ' L<#!&/i0%$!(' &&2#%!2V2#%!&2E)&%$!&2@<%2 . !%)!( ) ' &$2!%)E/($6!9#2!&2E)&%!Q/@@!2j<L/#2!
<!0 ' L<#!&/i0%$!/$$ ' 2!/#!%02!b6^6X .)L2$%/(!( )#%2j%4!%02!)%02&!Q/@@!2j<L/#2!<!0 ' L<#!&/i0%$!/$$ ' 2!/#!/#%2&#<%/)#<@!
( )#%2j%6!!
!
D02!$%' . 2#%!Q/@@!Q&/%2!<!&2E)&%!%0<%!E&)V/.2$!<!( )#(/$2!2jE@<#<%/)#!):!%02!2V2#%X/$$ ' 24!<!.2$(&/E%/)#!):!%02!
&2@2V<#(2!):!$E2(/:/(!0 ' L<#!&/i0%$!X!%&2<%/2$!%)!%02!/$$ ' 24!%<(%/($!):!<.V)(<(3!)&i<#/Y<%/)#$4!<#.!%02!$%' . 2#%q$!
%0) ' i0%$X)R$2&V<%/)#$X(&/%/g ' 2$!&2i<&./#i!%02!(' &&2#%!2V2#%!<#.!Q0<%!$0) ' @.!R2!.)#2!<R) ' %!%02!/$$ ' 26!8)$%!<!@/#M!
%)!%02!#2Q$!<&%/(@2!<#.!3) ' &!<#<@3$/$!%)!%02!m? ' L<#!d/i0%$!/#!%02!c2Q$!T! f ' &&2#%! - V2#%$n!7/$(' $$/)#!)#!
f<#V<$6!!
!
^%' . 2#%$!$0) ' @.!E)$%!$ ' R$%<#%/V2!( ) LL2#%$!<#.!./$(' $$/)#!)#!<%!@2<$%!%0&22!)%02&!$%' . 2#%$q!0 ' L<#!&/i0%$!(' &&2#%!
2V2#%!&2E)&%$6!!
!

; 2<&#/#i!9 ' %( ) L2$,!**OPQK!=A!OPQK!FA!#$6!OPQK![ ]!0QK!=!#$6!0QK![[** ^!

!

&<./#i!<#.!7 ' 2!7<%2$,!!

-<(0!&2E)&%!/$!Q)&%0!SG s!):!%02!:/#<@!i&<.26!8)$%!)#2!? ' L<#!d/i0%$! f ' &&2#%! - V2#%!d2E)&%!R3!SS,AI!E6L6!
)#!%**#$7#./!=D**A!**FDF**=h!%02!$2( )#.!&2E)&%!/$!. ' 2!R3!SS,AI!E6L6!)#!%**#$7#./!=>**A!**FDF**=6!!

!

F@ 4 & 8 *V&.T!U ' ',2$ 8 *$)' !#$6!X7,YY*' ! ! ! ! ! ! ! ?Z

[@ 4 7 8 #$!B,25)'! ; &97 8 *$)#. /!H,1 8 !B*-,*V!! ! ! ! ! !

a&!PS).#!0.*6,)!!

c)!2j%&<!(&2./%!Q/@@!R2!i/V2#h!()LE@2%2!<@@!<$$/i#L2#%$!/#!<!%/L2@3!:<$0/)#!%)!L<j/L/Y2!3)'&!$()&2$!)#!()'&$2!<$$/i#L2#%$4!./$('$$/)#$4!<#.!<(%/V/%/2$6!

!

L*$#1)/!3&.!Q#)*!&.!M,''*6!E&.T!

a2!$'&2!%)!$'RL/%!<$$/i#L2#%$!R2:)&2!%02!.'2!.<%26!;<%2!Q)&M!Q/@@!#)%!R2!<((2E%2.!Q/%0)'%!<!.)('L2#%2.!2j('$24!<#.!Q/@@!&2$'@%!/#!<!mGn!*Y2&)+!i&<.2!:)&!%02!<$$/i#L2#%6!":!3)'!M#)Q!3)'!Q/@@!R2!'#<R@2!%)!L22%!<!.2<.@/#24!2L</@!%02!E&):2$$)&!/#!<.V<#(2!):!%02!.'2!.<%26!!

O.#6,$2!G$3&.8#),&$!3&.!O*$*.#1!P679#),&$!+<<*.!;,-,',&$!0&7.'*'!?BA!"A!b@!

m8<$$<i2!):!%02!U&/%/#i!^M/@@$!D2$%!*U^D+!)&!-c_;X;;7!SGGC!Q/%0!<!f!)&!R2%%2&!*f!#)%!<((2E%2.+4!<#.!()LE@2%/)#!):!f)&2!_2#2&<@!-.'(<%/)#!<&2!E&2&2g'/$/%2!%)!<@@!^5^b!^%'./2$!()'&$2$6!f)LE@2%/)#!):4!)&!()&2i/$%&<%/)#!/#4!SGGU!/$!$%&)#i@3!&2()LL2#.2.6!C!L/#/L'L!<ii&2i<%2!_8C!):!B6G!/#!_-!C&2<$!d4!^4!u!P!$0<@@!R2!&2g'/&2.!):!<@@!$%'.2#%$6n!!

01#''.&&8!L.&)&9&1!

S6 D0/$!()'&$2!.2E2#.$!)#!$%'.2#%!E<&%/(/E<%/)#4!./$('$$/)#4!<#.!/#%2&<(%/)#6!8&2E<&2!:)&!(@<$$!%)!2#$'&2!3)'!(<#!()#%&/R'%2!%)!./$('$$/)#!<#.!.2R<%26!!

B6 C@@!(@<$$!E<&%/(/E<#%$!<&2!2jE2(%2.!%)!:)$%2&!<#!2#V/&)#L2#%!%0<%!2#()'&<i2$!&/i)&)'$!<(<.2L/(!./$('$$/)#!<#.!&2$E2(%:'@!E<&%/(/E<%/)#4!&<%02&!%0<#!$/@2#(/#i!)%02&$!*R2!&2$E2(%:'@!%)!2!<#)%02&4!.)!#)%!/#$'@%!)&!/#%/L/.<%2!)%02&$4!2V<@'<%2!<@%2&#<%/V2!V/2Q$!Q/%0!<#!)E2#!L/#.4!(02(M!<#.!E&)V/.2!:<(%$!%)!$'EE)&%!<#<@3$/$+6!!

Z6 ^%'.2#%$!<&2!2jE2(%2.!%)!()LE@2%2!<@@!&2<./#i$!<#.!<$$/i#L2#%$!R3!%02!.<%2$!/#./(<%2.!)#!%02!$3@@<R'$6!a2!$'&2!%)!(02(M!%02!()'&$2!f<#V<$!Q2R$/%2!&2i'@<&@3!:)&!'E.<%2$6!

F6 d2<./#i$!<R)'%!0'L<#!&/i0%$!<R'$2$4!/#0'$%/(24!./$(&/L/#<%/)#4!<#.!V/)@2#(2!(<#!R2!(0<@@2#i/#i!/#%2@@2(%'<@@34!E2&$)#<@@34!<#.!2L)%/)#<@@36!C@@!$%'.2#%$!<&2!2#()'&<i2.!%)!&:@2(%!)#!%02!()'&$2!L<%2&/<@$!L/#.:'@@3!<#.!2#i<i2!/#!$2@:J

M&671*! !	;#)*!	I&<,9'A!B*#6,$2'A!U'',2$ 8*$)'A!;*#61,$*'!!
Z!	SXH!	**MK;+QP![_!4 7 8#$!B,25)'!,$!G$)*.$#),&$#1!Q#V!#$6!L&1,),9'!**

d2<./#i$,!!

- J _)).0<&%4!f06!F4!m?'L<#!d/i0%$!/#!"#%2&#<%/)#<@!;<Qn!!
- J _)).0<&%4!f06!Z4!m?'L<#!d/i0%$!/#!"#%2&#<%/)#<@!d2@<%/)#$n!
- J D)E!?'L<#!d/i0%$!c2Q$!):!%02!72(<.24!?'L<#!d/i0%$!U<%(04! 0%%E$,XXQQQ60&Q6)&iX#2Q$XBGSIXSBXBGX%)EJ0'L<#J&/i0%$J#2Q$J.2(<.2!

;2(%'&2,!

- J ?'L<#!d/i0%$!/#!"#%2&#<%/)#<@!;<Q!<#.!8)@/%/($!

P/.2),!

M&671*! !	;#)*!	I&<,9'A!B*#6,$2'A!U'',2$ 8*$)'A!;*#61,$*'!!

- ?d"99a4!"#%&).'(%/)#!%)!8<&%!"P4!8)@/%/(<@!<#.!f/V/@!d/i0%$!"#%2&#<%/)#<@!f)V2#<#%!)#!f/V/@!<#.!8)@/%/(<@!d/i0%$!!
- ?d"99a4!f06!SS4!m-&

M&671*! !	;#)*!	I&<,9'A!B*#6,$2'A!U'',2$ 8*$)'A!;*#61,$*'!!

- _)).0<&%!f06!SS4!m^2j'<@!9&/2#%<%/)#4!_2#.2&!".2#%/%34!<#.!?'L<#! d/i0%$n!!
- ;_aD!82)E@2!D0&)'i0)'%!?/$%)&3!=<E4!m^2j'<@!9&/2#%<%/)#!<#.!_2#.2&! ".2#%/%3!<&2!c)%0/#i!c2Q4n!0%%E$,XXQQQ6'#:26)&iX$2j'<@J)&/2#%<%/)#J i2#.2&J/.2#%/%3J#)%0/#iJ#2QX!
- ?d"99a4!f0!SF4!m^2j'<@!f/%/Y2#$0/E4!=<&&/<i24!C.)E%/)#4!<#.! "LL/i&<%/)#!/#!%02!b#/%2.!^%<%2$n!
- c8d4!`)&!;_aD>!82)E@2!9:!f)@)&4!7/$(&/L/#<%/)#!f)LE)'#.$! 0%%E$,XXQQQ6#E&6)&iXBGS[XSSXBAXAKFHH[[IKX:)&J@iR%gJ

M&671*! ; #)*! I&<,9'A!B*#6,$2'A!U'',2$ 8*$)'A! ; *#61,$*'!!

!