

!

! ``#\$%&` (#) *%#\$%#+%` -) . %/ +0#(% / -0``%+` 0#) . % -` 1 2%	34563533%
!''#\$%&' (#) *%1 /\$0%7.%.8#.9.:2%	; ++/<((*%
='(#)*%; /0''' ->\$?2%	@''<1#0<%A/1<-%
B<0. ‰'(#)*%.8#.9.:%7*%C:/)<0#'+%B#)0'-2%	34563533%
B<0. ‰'(#)*%. 8#. 9. : %7*%D'1 &(#<+). %E% F'8+<+). %G,,#)2%	34563533%
H')<0#'+%,%&/7(#)<0#'+%,%&'(#)*2%	@)''''(%I .7\$#0.%
J+:%0''%L-/\$0K\$%@)''1,.%,%B.(.L<0#'+% 0''#\$%&'(#)*%1/\$0%7.%<&&-'8.:%7*% %	
% @/)''%<&&-'8<(%9<\$%L#8.+%+2	

'%/@91/.&.:.4*!A9'K!40%!80.:CH!

3(56178-'!9'. 1771&#!: (. 5-%!;239: 4<!

B0%!@(&:./0%C!)C6.//.91!1(6&%'!;>52M?=!A9'!%14'*!49!N%8%@4.91!0%)'!./!P, H!

Q0%'%!A%G%'!)@@:.8)14/!40)1!40%!@(&:./0%C!)C6.//.91!1(6&%'!A9'!40%!'%:%3)14!*%)'! F'9(@!)'%!%8%.3%CK!9AA%'/!G.::!&%!6)C%!49!)::!409/%!G09!0)3%!)@@:.%CH!

=816' %-#!>1\$8!, #!?' (), \$1&#@A-, 6\$8!, #' !=, %-!36, #!

R0.:C'%1!G.40!)1!%C(8)4.91!0%):40!)1C!8)'%!@:)1!;>SDR5?=!G0.80!1)6%/!-'./01)!23)14.! 5'.6)'*\bar{78099}:!;<%.8%/4%'=!G.::!&%!)C6.44%C!49!40%!78099:!(1C%'!/%@)')4%!/4)4(49'*! @'98%C('%/K!')40%'!40)1!(1C%'!40./!@9:.8*\lQ0%'%!40%*!G.::!&%!)C6.44%C!.1!40%!19'6):!)C6.//.91!'9(1C!;.\\M\!.1!40%!7\@4\%6&\%'!\A9::9G.1F!40\%.'!\A9('40!&.'40C)*=K!40\%!1(6&\%'!9A! @:)8\%/!)3).:)&:\%!G.40.1!40\%!52M!/4)4\%C!)&93\%!G.::!&\%!'\&C(8\%CK! 40%!L7-R^M!4%6@:%!.1!<%.8%/4%'H!B9!&%!.18: (C%C!.1!40./!8)4%F9'*K!)!896@:%4%C! /(@@:%6%14)'*!.1A9'6)4.91!A9'6!;>7L\$?=!8%'4.A.%C!&*!)!'%@'%/%14)4.3%!9A!40%! L7-R^M!4%6@:%!.1!<%.8%/4%'!6(/4!&%!/(&6.44%C**!**9!40%!78099:!&*!40%!8:9/.1F!C)4%!A9'!)@@:.8)4.91/K!.1!)CC.4.91!49!40%!R96691!2@@:.8)4.91!\$9'6V(&6.44%C!49!40%!<98):! 2(409'.4*H!R0.:C'%1!A9'!G096!)!8%'4.A.%C!7L\$!./!194!'%8%.3%C!&*!40%!8:9/.1F!C)4%!A9'!)@@:.8)4.91/K!)1C!80.:C'%1!A)::.1F!.149!40./!8)4%F9'*!G09!C9!194!)80.%3%!)!@:)8%K! G.::!&%!.18:(C%C!.1!40%!1%_4!8)4%F9'*!40)4!)@@:.%/H!

- ##]@!49!+, !@:)8%/!49!D.1C(!80.:C'%1!G.40!)!@')84.8.1F!D.1C(&!@)'%14# B9!&%!.18:(C%C!.1!40./!
 8)4%F9'*K!)!896@:%4%C!/(@@:%6%14)'*!.1A9'6)4.91!A9'6!;>7L\$?=!8%'4.A.%C!&*!)!
 '%@'%/%14)4.3%!9A#0%!@)'%14W/!4%6@:%!6(/4!&%!/(&6.44%C!49!40%!78099:!&*!40%!
 8:9/.1F!C)4%!A9'!)@@:.8)4.91/K!.1!)CC.4.91!49!40%!R96691!2@@:.8)4.91!\$9'6!
 /(&6.44%C!49!40%!<98):!2(409'.4*H!R0.:C'%1!A9'!G096!)!7L\$!./!194!'%8%.3%C!&*!40%!
 8:9/.1F!C)4%!A9'!)@@:.8)4.91/K!)1C!80.:C'%1!A)':.1F!.149!40./!8)4%F9'*!G09!C9!194!
)80.%3%!)!@:)8%K!G.::!&%!.18:(C%C!.1!40%!8)4%F9'*!&:9GH!</pre>
- PH 2::!940%'!80.:C'%1H!

ļ

! B%'-%!&0!866T4(!)**!M**ETQ**0**; ! 40)4!40%!'%/.C%14.):!)CC'%//!/4)4%C!.1!40%!)@@:.8)4.91!A9'!)C6.//.91!6%%4/!40./! C%A.1.4.91!&%A9'%!40%!80.:C!./!)C6.44%C!!

=816' %-#!&0!| J!+-%C1)-!3-%7&##-6!, #' !=%&>#!+-%C, #\$7!

B0%!80.:C'%1!9A!] -!/%'3.8%!@%'/911%:!;] -!)'6%C!A9'8%/=!G.40!)!891A.'6%C!@9/4.1F!49!40%!)'%)!9A!40%!78099:K!)1C!40%!80.:C'%1!R'9G1!/%'3)14/!'%4('1.1F!A'96!93%'/%)/!49!:.3%!.1!40%!)'%)!9A!40%!78099:K!G.::!&%!'%F)'C%C!)/!:.3.1F!)4!40%!)CC'%//!/4)4%C!.1!40%!)@@:.8)4.91!A9'!)C6.//.91!)4!40%!4.6%!9A!)@@:.8)4.91!G0%'%!.4!./!)8896@)1.%C!&*!)1!9AA.8.):!:%44%'! 891A.'6.1F!40%!'%:98)4.91!C)4%!)1C!)!(1.4!@9/4):!)CC'%//!9'![()'4%'.1F!)CC'%//H!B0./!./!)1! %_8%@4.91!49!40%!'(:%!40)4!40%!80.:C!6(/4!&%!:.3.1F!)4#0%!)CC'%//!)4!40%!4.6%!9A!)@@:.8)4.91H!

+\$, \$(\$&%*!K, L1. (. !"#0, #\$!=6, 77!+1M-!

B0%!/4)4(49'*!6)_.6(6!1(6&%'!9A!@(@.:/!.1!)!8:)//!.1!N%8%@4.91!0%)'!49!0%)'!+!./!V, K!09G%3%'! '%F(:)4.91/!/%4!9(4!8)4%F9'.%/!9A!80.:C'%1!G09!G.::!&%!'%F)'C%C!)/!>%_8%@4%C!@(@.:/?!194!89(14.1F! 49G)'C/!40%!8:)//!/.c%!)1C!8)1!40%'%A9'%!&%!)C6.44%CH!

<u>BG.1/!)1C!/.&:.1F/!9A!)!0.F0%'!6(:4.@:%!&.'40</u>!G.::!&%!>%_8%@4%C!@(@.:/?!G0%'%!91%!9'!69'%! 9A!40%6!)80.%3%/!)!@:)8%!(1C%'!40%!93%'/(&/8'.@4.91!8'.4%'.)!/%4!9(4!)&93%K!&(4!40%.'!4G.1! 9'!/.&:.1F;/=!9A!)!0.F0%'!6(:4.@:%!&.'40!C9%/!194H!L1!40%/%!8)/%/K!40%!4G.1!9'!/.&:.1F;/=!9A!)! 0.F0%'!6(:4.@:%!&.'40!G.::!&%)C6.44%C!93%'!40%!52MH!

/-0-%%-'!?#\$%*!\$&!N-)-D\$1&#!O-, %!

R0.:C'%1!)'%!%14.4:%C!49!)!A(::E4.6%!@:)8%!.1!N%8%@4.91!0%)'!.1!40%!7%@4%6&%'!A9::9G.1F! 40%.'!A9('40!&.'40C)*H!R0.:C'%1!C9!194K!09G%3%'K!'%)80!896@(:/9'*!/8099:!)F%!(14.:!91%!9A! 40'%%!@'%/8'.&%C!C)*/A9::9G.1F!40%.'!A.A40!&.'40C)*!;9'!91!40%.'!A.A40!&.'40C)*K!.A!.4!A)::/!91!)! @'%/8'.&%C!C)*=H!B0%/%!@'%/8'.&%C!C)*/!)'%!V''!`%8%6&%'K!V''!I)'80!)1C!V''!2(F(/4H! 5)'%14/!G09!)80.%3%!)!@:)8%!A9'!40%.'!80.:C!.1!N%8%@4.91!0%)'!0)3%!)!'.F04!49!C%8.C%!40)4!40%*!G.::! C%A%'!40%!C)4%!40)4!40%.'!80.:C!G.::!/4)'4!/8099:!(14.:!40%.'!80.:C!'%)80%/!896@(:/9'*!/8099:!)F%K!! G.409(4!:9/.1F!40%!)80.%3%C!@:)8%H!

91!9'!&%A9'%!40%!8:9/.1F!C)4%!A9'!)@@:.8)4.91/!0)3%!&%%1!891/.C%'%C!)1C!@:)8%/!)::98)4%CH! B0./!6%)1/!40)4!40%!80)18%!9A!)80.%3.1F!)!@:)8%!G.::!&%!'%C(8%CH!B0%!1)6%/!9A!409/%! 80.:C'%1!G09!C9!194!)80.%3%!)!@:)8%!G.::!&%!@:)8%C!91!40%!G).4.1F!:./4!;/%%!&%:9G=H! !

"#PO-, %!9'. 1771!

2@@:.8)4.91/!A9'!.1E*%)'!)C6.//.91/!/09(:C!&%!6)C%!49!40%!<98):!2(409'.4*H!LA!69'%!)@@:.8)4.91/!)'%!%8%.3%C!40)1!40%'%!)'%!@:)8%/!)3).:)&:%K!)@@:.8)4.91/!G.::!&%!')1U%C!&*! 40%!)C6.//.91/!)(409'.4*!.1!)889'C)18%!G.40!40%!)C6.//.91/Y93%'!/(&/8'.@4.91!8'.4%'.)!)/!9(4:.1%C!)&93%H!2@@:.8)14/!G.::!&%!194.A.%C!9A!40%!9(4896%/!&*!40%!78099:H!

S,1%!9))-77!3%&\$&)&6!

B0%!78099:!./!8966.44%C!49!4)U.1F!)!A).'!)1C!'%)/91)&:%!@'9@9'4.91!9A!80.:C'%1!G09!)'%! 3(:1%')&:%!)1CY9'!0)'C!49!@:)8%K!)/!.C%14.A.%C!.1!40%!:98)::*!)F'%%C!\$).'!288%//!5'94989:H! 2889'C.1F:*K!9(4/.C%!40%!19'6):!)C6.//.91/!'9(1CK!40%!B'(/4!J9)'C!G.::!)C6.4!)!80.:C!A9'! G096!)!@:)8%!./!'%[(%/4%C!(1C%'40%!\$).'!288%//!5'94989:!)F'%%C!A9'!40)4!/8099:!*%)'K! %3%1!G0%'%!40./!G.::!'%/(:4!.1!40%!52M!&%.1F!%_8%%C%CH!

U, 1\$1#Q!T17\$7!

B0%!78099:!9@%')4%/!)!G).4.1F!:./4!A9'!%)80!*%)'!F'9(@!A9'!40%!C(')4.91!9A!40%!/8099:!*%)'H! B0%!1)6%/!9A!)::!80.:C'%1!G09!C9!194!)80.%3%!)!@:)8%!.1!N%8%@4.91!0%)'!G.::!&%!@:)8%C!91! 40%!G).4.1F!:./4K!)1C!.4!G.::!&%!9@%1!49!940%'!@)'%14/!49!)/U!A9'!40%.'!80.:CW!1)6%!49!&%! @:)8%C!91!40%!G).4.1F!:./4!A9::9G.1F!)1!(1/(88%//A(:!)@@:.8)4.91!!

2!80.:CW!@9/.4.91!91!40%!G).4.1F!:./4!G.::!&%!C%4%'6.1%C!/9:%:*!.1!)889'C)18%!G.40!40%! 93%'/(&/8'.@4.91!8'.4%'.)!/%4!9(4!)&93%k!)1C!194!&*!'%A%'%18%!49!40%!C)4%!40)4!40%!)@@:.8)4.91!A9'!)C6.//.91!G)/!6)C%!!B0./!6%)1/!40)4!)!80.:CW!@:)8%!91!40%!G).4.1F!:./4! 6)*!F9!C9G1!)/!G%::!)/!(@K)/!69'%!)@@:.8)4.91/!)'%!'%8%.3%C!A'96!80.:C'%1!G.40!0.F0%'! @'.9'.4*!!

+\$, \$(\$&%*!N1Q8\$!&0!9DD-, 6!

21!)C6.//.91!)(409'.4*!6(/4!194!G.40C')G!)1!9AA%'!(1:%//!.4!0)/!&%%1!9AA%'%C!.1!%''9'K!)!@)'%14! 0)/!194!'%/@91C%C!G.40.1!)!'%)/91)&:%!@%'.9C!9A!4.6%K!9'!.4!./!%/4)&:./0%C!40)4!40%!9AA%'!G)/! 9&4).1%C!40'9(F0!)!A')(C(:%14!9'!.14%14.91)::*!6./:%)C.1F!)@@:.8)4.91H!5:%)/%!'%A%'!49!@)')F')@O!! +H''V!)1C!+H''\!9A!40%!2C6.//.91/!R9C%!A9'!A('40%'!C%4).:H!!

ļi

\$('40%'69'%K!.1!9'C%'!49!)CC'%//!40%!@94%14.):!.//(%!9A!9AA%'/!&%.1F!9&4).1%C!40'9(FO!A')(C(:%14!9'! .14%14.91)::*!6./:%)C.1F!)@@:.8)4.91/K!40%!78099:!'%/%'3%/!40%!'.FO4!49!)/U!A9'!)CC.4.91):!.1A9'6)4.91! 49!80%8U!40%!3%')8.4*!9A!40%!)CC'%//!)1C!940%'!.1A9'6)4.91!@'93.C%C!.1!40%!)@@:.8)4.91H!! !