

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

-./\*\$(

0+1%( )2/3+(

!

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

, -. /!

01\$! \$2\$34! ' 2! 5\$' 5678193! : 769749' %! ' %! 41\$! &8\$39293! 567:94;! ' 2! 7! <' =5>7&! 296!  
86' : \$%7%3\$!4697>!

(

?\$\$4&!@\*A\*!

, -. B!

O&\$17;\$(!N!  
!  
D\$%(!J\*I \*!  
!  
+9>\$;(!Y\*E!  
!  
N6=7%(!N\*+\*@!  
!  
N#9CM' (!E7%\$4!  
!  
?9537&(!^: \$> %!  
!  
J' 6%\$6\$(!?\*I \*!  
!  
) \$7(!+=9&!<\*!  
!  
V7G9(!@=6# ' U !  
!  
I 741 \$6&(!I ' T' !J\*!  
!  
A7&1(!"4=764!N!  
!  
] #\$(!V7C9&1!E\*!  
!  
I 7%&=6(!d6G9U7!  
!  
"\$497#749(!e\$44;!) \*? \*!  
!  
"%6\$576(!d&U7%G76!W\*!  
!  
D9; ' %' (!?7CM7%5!  
!  
<' =5>7&&(!Z7>81!  
!  
I 3+7=51>7%(!E73U!I \*!

! @6' ' 2!4\$&49%5! 2!I=: \$%9>\$!# ' ' G!  
!  
!) 6' #41!7%G!; 9\$>G! ' 2!F79%576' 7!67G9747!89%\$c!!8\$62' 6C7%3\$!' 2!7%G!7>4\$6%749: \$&!  
4' !F) I /!  
!  
, --Q! 01\$! \$3' > 5; !7%G! 3' %&&\$6: 749' %! C7%75\$C\$%4! ' 2! : 2". #. +28. (&"1") (! ' %! ?7%U&!  
@ \$%9%&=>7(!A\$#!W\$7>7%G!  
!  
! 01\$!C9%9C=C!\$3' %' C93!76\$7!2' 6!&7#>' 5!8>7%4749' %&!9%!d%G' %\$&97!  
!  
, --X! Z789G!>7%G&378\$! 7&&\$&&C\$%4! ' 2! 6\$86\$&\$%4749: \$%&&! 2' 6! #9-G-92\$! 3' %&&\$6: 749' %(!  
V' U949U7!^3' > 5937> <9&46934(!A\$#!W\$7>7%G!  
!  
! 01\$!7G7849: \$!5\$' C\$46; !' 2!46\$&!&78-9%5&9%>' #>7%G!"7A#74\$6!"474\$!Y' 6\$&4(!"" =41!  
D\$&4>7%G(!A\$#!W\$7>7%G!  
!  
! @' 8=>749' %!G; %7C93&! 2! 7!>' #>7%G!4\$6673\$!Z9C=!2' 6\$&4(!"" =41! D\$&4>7%G(!A\$#!  
W\$7>7%G!  
!  
! @6\$G9349' %! 2!M6\$G9%5! : 7=>\$&!2' 6!5. \*2"\*". 7 (16\$&9&47%3\$!' : \$6!&94\$&!7%G!&\$69\$&!  
!  
! "46\$%541!86' 8\$649\$&! 2!I=: \$%9>\$!# ' ' G!  
!  
! "8\$39\$&!G9: \$6&94; !7%G!&47%G!G\$ : \$> 8C\$%4!#9419%!7!>' #>7%G!4\$6673\$!Z9C=!2' 6\$&4(!  
"" =41! D\$&4>7%G(!A\$#!W\$7>7%G!  
!  
, --/! 01\$!6\$: 9\$#! ' 2!6\$59&4\$6\$G!2' 6\$&46; !9%: \$&4C\$%4! 86' &8\$34=&\$&! ' 22\$69%5!&\$3=6949\$&!  
4' ! 41\$! 8=M93! 9%! %7C\$G! 7%G! 6\$2\$6%3\$G! 2' 6\$&46; ! : \$%4=6\$&! 9%! A\$#! W\$7>7%G!  
M\$4#\$\$%!<\$3\$CM\$6!, -KK!4' !] 34' M\$6!, --X!  
!  
! I 9&4>\$4' \$!7%G!41\$!76=&1479>\$G!@' &&=C!9%! "9: \$6!M\$31!2' 6\$&4(!"" =41! D\$&4>7%G(!  
A\$#!W\$7>7%G!  
!  
, --B! A946' 5\$%! =847U\$!G; %7C93&! 7%G! M9' > 5937> %946' 5\$%! 29S749' %! 9%! 7! 89: ' 87&4' 67>  
& ; &4\$C!  
!  
! "4=G; !' 2!; 9\$>G!7%G!81; &937>R=7>94; !9%!! "#\$%&' () (" (\* (!<\*!<' %!&\$G! 63176G&!  
!  
! I 7%75\$C\$%4! 2!8' >\$%(!8' >9%749' %!7%G!) 9MM\$6\$>9%!NBb. !9%!! "#\$%&' () (" (\* (!<\*!<' %!  
&\$G! 63176G&!  
!  
! "=8\$63694937>2=>9G!J] χ!\$S467349' %! 2!#7S&&!26' C!67G9747!89%\$!%\$G>\$&!  
!  
, --\_! Y' 6\$&4! \$&474\$! C' G\$>9%5! C\$41' G' > 5; !2' 6! 7%! 9%4\$5674\$G! 75693=>4=67> 7%G! 46\$ \$!  
8>7%4749' %!86' !\$34(!"7M71(!I 7>7; &97!  
!  
! I 3+7=51>7%(!E73U!I \*!

!  
A5=59(! 9317\$>Z\*! ! )6' #41! 7%G! ;9\$>G! C' G\$>! 2' 6! : \$/' -%%\$%& 8\$%"\*(#"+(! [I 9>\*\! 7%G! !"#\$\$%& /(\*\$8(!  
["31>\$34!F!J17C^!\!56' #%!9%!F\$%; 7!  
!  
Z\$7; (!"4\$81\$%! ! 01\$! &=33\$&&! ' 2! 416\$\$! 6\$&4' 6749' %! 8>7%49%5&! 74! F\$%%\$G; q&! ?=&1(! @' 64! V9>&(!  
J7%4\$6M=6; (!A\$#!W\$7>7%G!  
!  
Z93U76G(!J169&4' 81\$6! ! d%46' G=3\$G! &C7>!! C7CC7>&! 7%G! 9%: \$64\$M674\$! 3' %&\$6: 749' %! 9%! 7! >' #>7%G!  
8' G' 3768!2' 6\$&4(!"" =41!D\$&4>7%G(!A\$#!W\$7>7%G!  
!  
@9%5!h=! , --. ! Z\$3' : \$67M>\$!3' >>78&\$!' 2!176G!M\$31![]; . \*2. <(1\$%&\*\$' \$#+ (\* (\!  
!  
D74U9%&(!E' \$> , --K! 01\$!G' C\$&493!G\$C7%G!2' 6!M\$31!2=\$>#' ' G!9%!"" =41>7%G!7%G!] 475' c!7!C76U\$4!  
7%7>; &9&!  
!  
D\$&4(!) 6717C! ! 01\$!\$22\$34&! 2!I 7U=!> 4=&! ' %!41\$!56' #41!' 2!67G9747!89%\$!9%!F79%576' 7!Y' 6\$&4!  
!  
D9%416' 8(!+9&7! ! "\$G! 679%! 9%! 3=>49: 74' 6H

!		
W96%1\$>4(!"7C!	!	Y' 6\$&! =499&749' %! ' 849' %&! 2' 6!   7' 69H' #%\$G! 9%G95\$%' =&! 2' 6\$&! 9%! "' =41>7%G! N' 4\$76' 7bA\$#! W\$7>7%Gc! 4' #76G&! 7! 3' >>7M' 6749: \$! 7886' 731! 4' ! &=&479%7M>\$! C7%75\$C\$%4!!
!		
J7447%'\$ ( ! 7697%7!	XQQ/!	^22\$34&! 2!C936' &94\$13176734\$69&493&(13' C8\$4949' %!7%G!56709%5!' %!j! "#\$%&+. #*. '*(! <' =5>*g!N%G!j/-\$. *%\$1 (&7 -#?"-%"! [! %M^!Y67%3' g!&\$G>9%5!\$&47M>9&1C\$%4!
!		
G\$!W#764(!^; U' >9%7!	!	@' &&=C!6\$&' =63\$!&\$>349' %!9%!7!2675C\$%4\$G!>7%G&378\$(!J7&&(!A\$#!W\$7>7%G!
!		
) 67M97%' #&U9(!! 76U!	!	I \$7&=69%5!73' =&493!86' 8\$649\$&!9%!=CM\$6!7%G!46\$&&!
!		
@' %4(!<7: 9G!!	!	N!C' G\$>! 2!&\$3' %G76; !56' #41!2' 6!67G9747!89%\$!
!		
01' C8&' %(!F76>	!	I 76U\$!733\$&&!2' 6!A\$#!W\$7>7%G!&9: \$6!M\$31![: . *2. <(1\$&&7 -#?"-%"!9%!^=6' 8\$!
!		
J169&4\$&&\$%(!?6\$%G' %!	XQOB!!	L7>9G94; !' 2! M9' G9: \$6&94; !C' %94' 69%5! 86' 567CC\$&c!?' =%G76; !"46\$7C!   79%>7%G! @6' T\$34(!<\$84! 2!J' %&\$6: 749' %!
!		
@1988&(!V9>76; !	!	N&&\$&&9%5!41\$!&=33\$&&! 2!6\$&4' 6749' %!8>7%49%5&!74!J78\$!Y' =>#9%G!
!		
07M=U' :=( ! 79U7!	!	I 76U\$49%5!&4=G; !' 2!C76U\$4&!2' 6!Y9!97%!176G# ' ' G!&8\$39\$&!9%!A\$#!W\$7>7%G!
!		
01\$9%176G4(!A\$69G7!	!	@>7%4!6\$&4' 6749' %!74!7%! 8\$%!37&4!3' 7>!C9%(!D\$&4!J' 7&4!k!A\$#!W\$7>7%G!
!		
O&7%5(!F\$%%\$41!	!	

!  
D751' 6%(I! 7441\$#!!           !           ^22\$34!' 2!9%9497>I &47%G! &8739%5! 7%G!M6\$G!' %!G; %7C93!C' G=>=&! ' 2! \$>7&49394; !' 2!  
! "#\$%&' () "( \* (!  
!  
!  
V7%&\$\$(!V\$>5\$!           XQQ. !           N3' =&493!&4=G9\$&! ' %!# ' ' G!  
!  
I 7%&\$\$(E\$6\$C; !!           !           <6724!C7%75\$C\$%4!8>7%!2' 6!J7&1C\$6\$!Y' 6\$&4(!@' 64!V9>&(!J7%4\$6M=6; !  
!  
] gF\$>> (!)>\$%!           XQQK!           Y' 6\$&4HC9>>49%4\$56749' %!26' C!7!467%&7349' %!3' &4!8\$6&8\$349: \$!  
!  
W' 693(!767%9&>7: !           !           I ' G\$>9%5!41\$!9%2=>\$%3\$! 2!&4' 3U9%5! %!> %594=G9%7>7%G!67G97>: 769749' %!9%!# ' ' G!  
86' 8\$649\$&! 2!! "#\$%&' () "( \* (! %!7!#76C!A' 641>7%G!&94\$!  
!  
N%G\$6&' %(!"4=764!           XQQ-!           Y=\$>C' 9&4=6\$!7%G!G\$: \$> 8C\$%4!' 2!95%949' %!7%G!296\$!&86\$7G!416\$&1' >G&!9%!5' 6&\$!  
[B8-C&-\$. /(-\!  
!  
I 3<' %7>G(!09C!           !           I 7U9%5!&\$%&\$!' 2!5\$%' 4; 8\$!S!\$%: %' %C\$%4!9%4\$67349' %!' 2!



e76=6!01; &!@7=>7!

!

J76M' %!&\$R=\$&4\$6\$G!M;!%749: \$!6\$&4' 6749' %!8>7%49%5&!&' =41\$6%!@' 64!V9>&!7%G!  
I =79>Id&>7%G(!J7%4\$6M=6;!

!  
!





N49% ' %5U6' 1(!F\*

, --Q! d%4\$62\$6\$%3\$!C936' &3' 8; !&4=G9\$&! %!3\$># 7>IG\$>95%9293749' %M; !41\$!U6724!86' 3\$&&c!!

N>=C(!V' 8\$!	!	Z\$5\$%\$6749' %!' 2!7!46' 8937>!679%!2' 6\$&!724\$6!3=>49: 749' %!' 2! ! "/- '&7 - *26%**+\$ 7!
! ?\$>\$%(!+' 6%7!@*!	!	^22\$34&! ' 2! 9%4\$6&8\$39293! 3' C8\$4949' %!' ' %!' 81' 4' &; %41\$&9&! 7%G! &4' C747> 3' %G=347%3\$!' 2!! "#\$%&' ()" (* (!9%!6\$>749' %!4' !#74\$6!7%G!%=469\$%4!7: 79>7M9>949\$&!
! ?' #%(!V' 6739' !	!	D9%G416' #!\$3' %' C93&!74!41\$!2' 6\$&!>\$: \$>9%!41\$!J7%4\$6M=6; !6\$59' %!
! ?=6=6=(!V\$741\$6!	!	N&&\$&&9%5! 41\$! 87649398749' %!' ' 2! D\$&4\$6%! "7C' 7%! #' C\$%! 9%! 7! #74\$6&1\$G! C7%75\$C\$%4!86' !\$34!
! <7#\$(! 76U!	!	<\$4\$6C9%749' %!' 2!41\$! 849C7>:>\$: \$>! 2!8=>8#' ' G!&4' 3U&!4174!&1' =>G!M\$!1\$-G!4' ! \$%&=6\$!3' %49%=94; !' 2!&=88>; !4' !41\$!F9%>\$941!@=>8!7%G!@78\$6! ! 9>!
! ] 5>\$(! 9U\$!!	!	Y734' 6&!722\$349%5!41\$!\$76>; !56' #41!7%G!&=6: 9: 7>! 2!9%G95\$%' =&!&\$G>9%5!&8>7%4\$G! 2' 6!41\$!8=68' &\$!' 2!\$3' >' 5937>!6\$&4' 6749' %!
! +7CM\$64(! 9317\$>!	!	"4\$C!M6\$7U75\$!' 2! ! "#\$%&' ()" (* (!G=69%5! C\$317%937>2\$>9%5! 9%! F9%>\$941! Y' 6\$&4(! J\$%467>A' 641!d&>7%G(!A\$#!W\$7>7%G!
! +9%5(! 9317\$>F***!	!	01\$!G\$: \$>' 8C\$%4!' 2!7!C7%75\$C\$%4!9%2' 6C749' %!&; &4\$C!2' 6!6=MM\$6!8>7%4749' %&! 9%! ! 7>; &97!
! ] #\$(!<7: 9G!A*!	!	N!9%: \$&495749' %!' 2!41\$!&=\$!' 2!3' C8=4\$6!7S97>4' C' 56781; (!C75%\$493!6\$&' %7%3\$! 9C759%5! 7%G! &37%9%5! \$>\$346' %! C936' &3' 8; ! 2' 6! \$S7C9%9%5! G\$: \$>' 89%5! ! "#\$%&' ()" (* (!<*<' %!&\$G!3' %\$&!
! ] 5>\$(!Z*! 9317\$>!	!	Y734' 6&!722\$349%5!41\$!\$76>; !56' #41!7%G!&=6: 9: 7>! 2!9%G95\$%' =&!&\$G>9%5!&8>7%4\$G! 2' 6!41\$!8=68' &\$!' 2!\$3' >' 5937>!6\$&4' 6749' %!
! ■ N>=C(!V' 8\$!Z*!	, --. !	Z\$5\$%\$6749' %!' ' 2! 7! 46' 8937> =8>7%G! 679%! 2' 6\$&! 724\$6! 3=>49: 749' %!' ' 2! ! "/- '& 7 - *26%**+\$ 7!
! ?7U\$6(!E76\$G!	!	Y9%\$!6' ' 4!G; %7C93&!9%!67G9747!89%\$!9%!6\$&8' %&\$!4' !96695749' %!7%G!3' C8\$4949' %!' %! 41\$!J7%4\$6M=6; !@>79%&!
!   9GG>\$C7&&(!<7: 9G!	!	+ ' 55\$6! 74494=G&&! 4' #76G&! C\$G97! \$22\$349: \$%\$&&! 9%! G9&&\$C9%749%5! &72\$4; ! 9%2' 6C749' %!
! A' : 76>; (!E' 1%! !	!	Y734' 6&! 722\$349%5! 6\$&9%! 4788\$6! 86' G=349: 94; *! N! 37&\$! &4=G; ! 9%! F=%9%57%! Y' 6\$&4! <9&46934(!D\$&4!E7: 7!H!d!G' %\$&97!
! @' 1(!J' %&47%3\$!J*!	!	01\$!\$: 7>=749' %!' 2!\$S8\$69C\$%47>46\$74C\$%4&!2' 6!86' C' 49%5!2>' #69%5!9%!67G9747! 89%\$!56724&!7%G!&\$G>9%5&!
! "7%4' &' (!?\$%; 7C9%!V*!	!	^: 7>=749' %!' 2!176: \$&49%5!&=9%5! ! 7G9>Q. , !V7=>\$6!

! F7G76#749(1069!^&49! ! 01\$! \$R=99M69=C! C' 9&4=6\$! 3' %4\$%4! ' 2! C\$G9=C! G\$%&94; ! 29M6\$M' 76G! 7%G! 94&! 3' C8' %\$%4&!

! V' 66\$>(!?6\$%G7%!Z! , ---! A\$&' %! 6\$59' %! 9%G95\$%' =&! 2' 6\$&4! 6\$&' =63\$! 9%: \$%4' 6; c! 9%4\$56749%5! &74\$>94\$! 6\$C' 4\$!&\$%&9%5!7%G!) d''!2' 6!%74=67>6\$&' =63\$!C7%75\$C\$%4!

! dR67C(INM=! ! Z\$: 9\$#!' 2!: 769' =&!7&8\$34&! 2!89%\$!89431!37%U\$6c!M9' > 5; !7%G!C7%75\$C\$%4!

! | 7>\$3G7%(!| 769;>,%! ! ^22\$34!' 2!'' G9=C!|A7!|' %!| 75%\$&9=C!|I 5\|=847U\$!9%!M\$7%&!|! 2(%. 8\$%&>\$81 ('"%& 4#|!

! "\$497#7%(!| \*!d%&7G! ! 01\$!9%2=>\$%3\$! 2!&87497>7667%5\$C\$%4! 2!&=M!&' 9>3' C87349' %! %!41\$!6' ' 4!56' #41! ' 2!67G9747!89%\$!&\$G-9%5&!

! "=31' G' >7U(!) \$67>G' ! ! Y\$7&9M9>94; !' 2!7!76709>97%&4; >\$!89%\$!Z\*O\*N"!2=6%94=6\$!2734' 6; !9%!A\$#!W\$7>7%G!

! L\$%\$57&(L934' 6! ! N!3' C876749: \$!7%7>; &9&! 2!41\$!A\$#!W\$7>7%G!7%G!J19>7%!8=M>9!2' 6\$&46; !&\$34' 6&! !

! D744(!| 9U\$! ! "4=G; !9%4' !41\$!9%2=>\$%3\$!' 2!5\$%\$493!9C86' : \$C\$%4! %!&\$3' %G!> 5!M67%319%5!9%! 67G9747!89%\$!

! | =%417>9(!"17G693U!"! XQQQ! 0' #76G&!7319\$: 9%5!3' HC7%75\$C\$%4! 2!07%07%97!@=M>9!3!Y' 6\$&4&!

! "19%5>\$4' %!(N%7! ! Y' 6\$&4!M9' &\$3=694; c!7%!7%7>; &9&! 2!41\$!267C\$# ' 6U!9%!A\$#!W\$7>7%G!

! J17%; %\$57(!0\$CM' ! XQQ, ! D' ' G>7%G!C7%75\$C\$%4!8>7%!2' 6!''9: \$6# ' ' G!

! <6\$; \$6(!| 9317\$>!! ! 01\$!Y' 6\$&4!"4\$#76G&198!J' =%39>3\$649293749' %! 2!) ' #7%!V9>Y' 6\$&4m9C8>93749' %&! 2' 6!41\$!&=&479%7M>\$!C7%75\$C\$%4! 2!A\$#!W\$7>7%Gq&!9%G95\$%' =&!2' 6\$&4&!

! d&U7%G\$6(!<=G9! ! 01\$!6\$>749' %&198!M\$4#\$\$%!>\$7&4!>9C949%5!#74\$6!67%5!7%G!86' G=349: 94; !' 2! !"#%&& '()("&<\*'!<' %!&\$G-9%5&!

! | 7G' %G' (!| 7%G; ! ! 01\$!22\$34&! 2!26' &4!6\$G=349' %!46\$74C\$%4&! %!&\$G!; 9\$>G!9%!7!67G9747!89%\$!&\$G! ' 63176G!

! L=U9(!) \$' 65\$! ! d%H29\$>G! 86' 3\$&&9%5! ' 849' %&! ' 2! 8=>8! > 5&! 7%G! 467%&8' 64749' %! ' 849' %&! ' 2! # ' ' G3198&!2' 6!Y9!@9%\$!+9C94\$Gg&!"' =41#&4!Y' 6\$&4&!

! | 3F\$%09\$(109C! XQQB!! d\$4\$56749' %! 2!) @''(!) d''! 7%G! 6\$C' 4\$! &\$%&9%5! 4' ! 2739>9474\$! \$S8-9394! 6\$G! G\$6! k! 6\$&' =63\$!9%4\$67349' %&!9%!41\$!J7%4\$6M=6; !195113' =%46; !' 2!A\$#!W\$7>7%G!

! | 7647%7(!F7G9C! ! N&&\$&&9%5!G\$39&9' %C7U\$6&g!8\$63\$9: \$G!86\$2\$6\$3\$&!4' !8>7%4749' %!&47M>9&1C\$%4! 9%!d%G' %\$&97!

! D194\$(!N%4' %; ! XQQ\_! Z\$5\$%\$6749' %! 9%! %74=67> 7%G! &9%5>\$! 46\$!& &\$>349' %! 176: \$&4! 578&! 9%! "7>4#74\$6! Y' 6\$&4(!&' =41!D\$&4>7%G!

! ?9\$6>9%(109C' ! XQQ. ! V76\$g&!7%G!67MM94g&!17M9474!>49>0749' %c!7!6\$: 9\$#!7%G!86' %\$%&&C' G\$>!

! <7=51\$64; (!E7C9\$>; %! ! 01\$!"4; S!Z9: \$6c!7!6\$: 9\$#!

! F>\$9%(!A' 6M\$64! ! V7M9474!&\$>349' %!C' G\$>2' 6!2\$67>5' 74&! [; (/ ('&2''+\$%!\!74!d&' >74\$G!V9>!"3\$%93! Z\$&\$6: \$c!6\$86\$&\$%4\$G!M; !7!5\$' 5678193!9%2' 6C749' %!&; &4\$C!

!



6\*"7"()\*+,,(
!  
!

-./\*\$(

0+1%( )2/3+!

!

I 3^#\$(!N\*<\*

, -. `!

N%!\$S7C9%749' %!' 2!41\$!733=673;! ' 2!41\$!G747!3' >>\$34\$G!26' C!41\$!;9\$>G!6\$&\$7631!  
8>' 4&! ' 2!41\$!Y' 6\$&4!Z\$&\$7631!0%&494=4\$!

!

<678\$6(!<N\*

, -KQ!

J6' #%!M9' C7&&!6\$&8' %&\$!' 2!..!; \$76!' >G!! "#\$%' ( )" (\*(!<\*<' %!4' !2\$649-9&749' %!7%G!  
419%%9%5!

!

<' ;>\$(!E\*

, -K, !

01\$!176G%\$&&! 2!#' ' G!

!

?741574\$(!E\*+\*

, -KX!

V' >' #7; a&! J9C7493! J17%5\$! V; 8' 41\$&9&! H! 7! R=7%494749: \$! \$: 7>=749' %! 9%! 41\$!  
+' %5#' ' G!Y' 6\$&4&(!L' >!, !F!X!

!

!  
"937G(!^\*A\*?!

, --/! <\$39&9' %!&=88' 6!&; &4\$C!2' 6!: \$%%\$6!7%G!8>; #' ' G!86' G=349' %!7%G!C76U\$49%5!

!  
Y=%5(!+\*^!

! 01\$!&=947M994;! ' 2!



"176C7(!Z7T\$&1!F=C76!	!	J' C8769&' %!' 2!G\$: \$>' 8C\$%4!' 2!67G9747!899%\$![! "#\$%&' ()" (*(!<!*<' %\! 3>' %\$&!9%! C' %' 3>' %7>!7%G!3>' %7>!C9S4=6\$!8>' 4&!
!		
+ ' 07H?7>M=\$%7(!d&7M\$>	XQQ-!!	@' 4\$%497>! 2!41\$!A\$#!W\$7>7%G!2' 6\$&4!&\$34' 6!4' !C949574\$!3>C74\$!317%5\$!
!		
N>07C' 67!  7>\$7(!Z' &7!	XQ, Q!	^3' %' C93!C' G\$&!2' 6!: 7>=9%5!#' ' G!R=7>94; !46794&!
!		
<=M\$; (!  7%' !!	!	dC86' : \$C\$%4&!9%!&47M9>94; (!G=67M9>94; !7%G!C\$317%937>86' 8\$649\$&! 2!67G974\$!899%\$! #' ' G!724\$6!1\$74H46\$74C\$%4!9%!7! : \$5\$47M>\$!' 9!
!		
V=&4\$G4(!"9%7!	!!	N! 69&U! 7%7>; &9&! ' 2! A\$#! W\$7>7%Gg&! M9' &\$3=694; ! C7%75\$C\$%4! &; &4\$C! 41\$! &\$7! 3' %479%\$6!8741#7; !
!		
NC767: 7419(!F67%!F!	XQ, , !	01\$!6' >\$!' 2!3673U!#9>' #!9%!41\$!#\$4>7%G!#74\$6!M7>7%3\$(!  ' =4\$6\$!6\$59' %(!A\$#! W\$7>7%G!
!		
d&U7%G76(!<=G9!	!	01\$!G\$39&9' %



Z7319G!J7&%749(!J\$39-97! !

V;M69G!C\$%&=6749' %7:H81; &9' >' 5937> C' G\$>&! 2' 6! !"#\$\$% \* (-) (! 7%G! 9\$+ (86/\*\$%& 1' (#) "%!9%!P6=5=7;! !

! D751' 6%(! 7441\$#! !

P%G\$6&47%G9%5!41\$!\$3' 81; &9' >' 5937>7%G!M9' C\$317%937>186' 8\$649\$&! 2!I=: %9>\$! !"#\$\$% ' () (\* !9%16\$&8' %&\$!4' !#74\$6!G\$29394&! !

! \$92' 641(!E7%\$! ! A\$#!W\$7>7%G!F7=69!46\$&!K!9G\$%49293749' %!7%G!37%' 8; !&46\$&&!7%7>; &9&!#941! 84937>!  
6\$C' 4\$!&\$%&9%5!7%G!+9<NZ!G747!  
!  
!  
@1969(!<769=&! ! I ' %94' 69%5!>7%G!3' : \$6!G; %7C93&!2' 6!W7CM97!=&9%5!6\$C' 4\$!&\$%&9%5c!, -. XHXQ, `!  
!  
"31' 69(!E\$%02\$6! ! dC86' : 9%5!41\$!&=33\$&&! 2!9%&\$34!3' %&\$6: 749' %!467%&>' 3749' %&c!7!37&\$!&4=G; !' 2!41\$!  
%749' %7>; ! \$%G7%5\$6\$G! Z' M=&4! ) 67&&1' 88\$6! [A' (+2(%/'%& ' . , \$%\*\$%?! ?95\$>' #\!  
[@1<!9%!?'>' 5; \!  
!  
Y\$66\$67&! ' 6\$%' (!! 7%=\$> XQX, ! J' C8=4749' %7>!7%7>; &9&! 2!C' >3=>76!: 9M6749' %7>!&8\$3467!  
!  
V76: \$; (!) \*!J7C8M\$>! XQXX! Z&9G=7># ' ' G; !M9' C7&&! 9%! A\$#! W\$7>7%Gq&! 176: \$&4\$G(! &4\$8>7%G! 8>7%4749' %!  
2' 6\$&4&!  
!  
d; 9' >7(!^M\$%\$0\$6! ! D' ' G!R=7>94; !' 2!G=67M>\$!\$=37>; 84&!  
!  
! 757>1q\$&!J' 6G\$%' ! @' &4H2%\$!\$3' >' 5937>6\$&4' 6749' %!7%G!>7%G&378\$!C7%75\$C\$%4!' %!41\$!@' 64!V9>&(!  
0\$9S\$%67(!N%7! ! "' =41!d&>7%G(!A\$#!W\$7>7%G!  
!  
Z7!787U&17!"19>875\$(! "\$7&' %7>(!5\$%\$493!7%G!\$3' %' C93!7%7>; &9&! 2!9\$+(86/'\*\$%&, . %"\* . (#(!&&\$%497>! 9!  
J17C%67! ! !  
! D\$US&7(!N%\$%\$! ! 01\$!&49C749' %!7%G!C' G\$>9%5! 2!376M' %!&4' 3U&!26' C!176: \$&4\$G!# ' ' G!86' G=34&!  
9%!A\$#!W\$7>7%G!  
!  
?7&3=%7%(!N64=6' ! XQX/! Z\$G=39%5!=\$3\$6479%4; !9%46\$ \$!M6\$ \$G9%5!&\$>\$349' %(!41\$!37&\$! 2!67G9747!89%\$!9%!A\$#!  
W\$7>7%G!  
!  
!  
?\$&4(!06\$: ' 6! ! 01\$! 3' %&46=349' %! 2! ' 8\$674' 6! # \$>M\$9%5! 9%! N' 4\$76' 7! A\$#! W\$7>7%Gq&! >' 559%5!  
9%G=&46; !  
!  
?' 30%9\$#930(!<7%9\$>!

! "&"(89: ; 4<)\*+,+,(  
!  
!

-./\*\$%(  
!

0+1%( )2/3+!

I 7=%G\$6(!J\*!

, --/! ^%: %' %C

?>' 6(!I 763=&! XQQ-! !Z\$: 9\$#!' 2! 3=66\$%4! : \$5\$4749' %! C' %94' 69%5! ' %! 869: 74\$>; !86' 4\$34\$G!>7%G! =%G\$6!  
! ' %5' 9%5!\$3' %' C93! =&\$![56709%5!  
! "4\$6(!I 76576\$4![W=%9! XQ, X! I \$69%' !&1\$8!17M9474! =&\$!9%!J7%4\$6M=6; !1951!3' =%46; !47>!4=&&' 3U!567&&>7%G&!  
! "U=6=8\$; (!E7C\$&! XQ, /! N!&\$%&949: 94; !7%7>; &98!' 2! =%3\$6479%4; !9%!41\$!&87497>!6\$&' >=49' %!' 2!41\$! =%G\$6>; 9%5!  
! G747! =&\$G!2' 6!&\$49C749%5!&' 9!\$6' &9' %!& =&3\$849M9-94; !9%!A\$#!W\$7>7%G!  
! )>' 5' &U9(!<7: 9G! XQ, .! L\$5\$4749' %!6\$3' : \$6; !2' >>' #9%5!41\$!XQ, \_!Y>' 3U!V9>!296\$(!J7%4\$6M=6; !1951!3' =%46; !  
! <9TU&467(!"4\$817%9\$! XQXQ! d%: \$&495749%5!41\$!C\$317%9&C&! 2!41\$!2' 6C749' %!' 2!&8967>!5679%!7%G!9%4\$6>' 3U\$G!  
! 5679%!9%#!# ' ' G!

! =>&((  
!

W17' (!V7' 497%!E' \$\\

XQ, K!

I ' %94' 69%5!>7%G!3' : \$6!317%5\$!#941!+9<NZ!7%G!7\$697>I9C75\$6;!9%!J169&431=631(!  
A\$#!W\$7>7%G!

!  
!

?"&'"(89@A2%\$@B+@/13(&'2+@'+<(C\$@,((

!  
!

?6' ' U&!<' =5!

XQQ, !

"\$>\$349: \$!> 559%5!9%!&9>: \$6!M\$\$31!2' 6\$&4!; . \*2. <(1\$%&7-#?"-%""m!C' %94' 69%5!#941!  
M\$\$4>\$&!