

(

E)

5% 4 J+.(#/ 4 4 "99&&.(/::&*(.9*/ , -(/ JJ/*9+, "9"&.(:/*(#/'%'</*%9"/ , (<&9O&&, (:%#+ '96(% , N(
%N4 " , ".9*%9"/ , B(I9(".(8"9%'9/(8"&O(:%#+ '96(% .(@&6(J'%6&* .(" , (%N8% , # , -(9\$&(O&' ;<&" , -(/:9\$&(,
+ , "8&* ."96B(

!
!
!
!
)

)

/O&-12%\$&'10), 02)3, \$45-1%02(

=9(9\$&(7, "8&*. "96(/:(! ". /+*"I, 9&*#% 4 J+. (K%#+'96(5 %<, &9(LIK 5 M(^*"&, 9%9"/, (" (=+-+. 9(EFEHA(*&J* &. &, 9%9"8&. (:*/ 4 (%'':/ +*(+, "8&*. "9" &. (, /9&N(%(.6.9& 4 ;O"N&(9\$*&%N(/:(#/ , #&*, (% 4 / , -(:%#+'96S(. \$%*&N(- /8&*, % , #&(J*%#9"#&. B(2\$&(. #/ J&(/:(. \$%*&N(- /8&*, % , #&(" . +&. (N" . #+.. &N(O% . (<*/%NA(*% , - , -(:*/ 4 (#/ , #&*, . (%</+9(#/ 4 J'"% , #&(O"9\$(9\$&(5 /' '	&N(P+'&. (1 (P&-+'%9"/ , . (/:(9\$&(7 , "8&*. "96(/:(! ". /+*" (06.9& 4 (L5 PPM9/(" , #/ 4 J'&9&(" , :/* 4 %9"/ , (. \$%*" , -B(5 &*9% , (&::	.A(. +#\$% . (' /O(:%#+'96(4 /%*' &A(. && 4 &N9/(*&:'	(</9\$(' / , -; .9% , N" , -(" . +&. (% , N(*&#&, 9(*%J"N(#\$% , -&." , (J/'"#6(% , N[/*(J*%#9"#&. B(=. (9\$&(_'"% " . / , (-*/+J(<&9O&&, (9\$&(?'&. "N&, 9(% , N(?*&. "N&, 9Q.(.9%::(% , N(9\$&(:/+*(#% 4 J+. (:%#+'9"&. A` (9\$&(IK 5 (N&#"N&N9/(:/#+. (/ , (. \$%*&N(- /8&*, % , #&(" , (/ *N&*9/ (. \$%*&(/+*(: " , N" , - . (O"9\$(7 ! (06.9& 4 (:%#+'96A(9\$&(?'&. "N&, 9A(% , N(9\$&() /%*N(/:(5 +*%9/* . B'!

2\$&(IK 5 (#*&%9&N(%9% . @(:/*#&(9/(&V% 4 " , &(J*" , #"J'&. (/:(. \$%*&N(- /8&*, % , #&(%#*/ .. (%#%N& 4 &Z(*&-+'%9"/ , . (" , (9\$&(5 Ppz(:%#+'96(J&*#&J9"/ , . (% , N(#/ , #&*, . (%</+9(. \$%*&N(- /8&*, % , #&(%#*/ .. (9\$&(06.9& 4 Q. (:/+*(+, "8&*. "9" &. Z(% , N(.9*%9&- " &. (:/*(J*/N+#9"8&(. \$%*&N(- /8&*, % , #&(%#9"8"9" &. B(2\$&(9% . @(: /*#&(" . (#/ 4 J/ . &N(/:(/ , &(:%#+'96(4 & 4 <&*(:*/ 4 (&%#\$/:(9\$&(7 ! (06.9& 4 (+, "8&*. "9" &. (% , N(" . (.9%::&N(<6(9\$&(7 , "8&*. "96(/:(! ". /+*" (06.9& 4 Q. (= #%N& 4 "#(=: %*" . (^::"#&B(

2\$&(9% . @(:/*#&(4 & 4 <&* . (*&8"&O&N(%'('&'&8% , 9(5 PP(4 %9&*%'"(#/ , #&*, " , - (. \$%*&N(

J*/:&.."/,%'(8%'+&.(%,N(.9%,N%*N.`(",(/*N&*(9/_4%" ,9%" ,(\+%''96(" ,(&N+#%9"/ ,`(%9(9\$&(#/'&-&(% ,N(+ , "8&*. "96('&8&' .B#((

O\$%*&N(-/8&*,% ,#&A%.(*&:'	&N(" ,9\$&(5 PPA(" .(/ ,&(J%*9"#+'%*(/+9#/ 4 &(/:_R/" ,9(&::/*9B`S(
e &9(R/" ,9(&::/*9" .(.\$%J&N(% ,N(" ,:/ * 4 &N(<6(%_4+9+% '(+ ,N&*.9% ,N" , -`(/:(+ , "8&*. "96(-/8&*,% ,#&(9\$%9" .(<% .&N(/ ,(%(#/ 4 4 + , "96(/:" ,9&*&.9B`%(b \$''&(N"::&* &,9(-*/+J.(O"9\$(N"::&* &,9(*/'&.(#/ 4 J*".&(/+*(+ , "8&*. "96(.6.9& 4 A(9\$&*&(" .(% ,_ " ,9&*N&J& ,N& ,#&` (9\$%9(" .(#*+#"%' (" ,9\$&(N&8&'/J 4 & ,9(% ,N(*&% "a%9"/ ,(/:(.+##& . .:+'(J/'"#"&.(% ,N(J*/#&N+*&.B&(! +9+% '96(% ,N(#/'%'< /*%9"/ , A(9\$& , A(.&*8&(% . (&9\$"#%'(-+"N&J/.9.(/*(% ,(&::	"8&(.9&O%*N.\$"J(/:(\$"- \$&*(&N+#%9"/ , (" , .9"9+9"/ , .B(

/:(_#/N":&N(.9%9& 4 &, 9.(9\$%9(N&:", &(9\$&/8&*%'(J*/#&N+*&.(%, N(J/'"#"&.A^(O"9\$(%JJ*/J*"9&(", J+9(
:* / 4 (" , 9&*&.9&N(J%*9"&.B!!(

b "9\$(9\$&.&(*&.J / , .<"9"&.(, (4 " , NA(R / " , 9(&::/*9(*&\ +"*&.(%'(J%*9"&.(9/(. \$%*&(9\$&"*(&VJ&*9".&(

\+&.9"/,(_h/O(.%9".:"&N(%*&(6/+O"9\$(\$%*&N(-/8&*,%,#&(:/*9\$&(7!(06.9&4(/8&*&'i`XWU(/:(
 :%#+'96('&%N&*.(% ,N(WTU(/:(%#+'96(*&J/*9&N(<&" ,-(./4&O\$%9(/*(&V9*&4&'6(N"..%9".:"&N(% ,N(
 /,'6(GU(%*&(./4&O\$%9(/*(&V9*&4&'6(.%9".:"&NB(

!/*&/8&*&A(:%#+'96(4&4<&*.(&&(9\$&(9*&,N(" ,(\$%*&N(-/8&*,%,#&(N&9&*"/*%9" , -B(
 0J#&#:"#%'6A(WHU(/:(%#+'96('&%N&*.(<&"&8&(\$%*&N(-/8&*,%,#&(\$%(-/99&,(O/*.&</9\$(/,(9\$&*(
 /O,(#%4J+.&.(%,N(%9(9\$&(7!(06.9&4(" ,9\$&*(9"4&(%.(%(:%#+'96(4&4<&*B(^:(%#+'96(4&4<&*.A(
 4/*&(9\$%,(9\$*&& ;\+%*9&*.(<&"&8&(\$%*&N(-/8&*,%,#&(\$%(-/99&,(O/*.&</9\$(%9(9\$&*(/O,(
 +,"8&*.9"&.(LWXUM(% ,N(:/*9\$&(7!(06.9&4(LWdUMB(K%#+'96(O&*&(./4&O\$%9(4/*&(J/"9"8&(%</+9(
 9\$&*(/O,(#/'&-&(/*(&#\$//'A(%'9\$/+-\$&8&,(9\$&*&%(4%R/*'96(/:(</9\$(:%#+'96('&%N&*. (LYEUM(% ,N(%'
 :%#+'96(LYXUM(*&J/*9&N(<&" ,-(./4&O\$%9(/*(&V9*&4&'6(N"..%9".:"&NB(

I,(# /4J%*"/ ,9/(9\$&(==7?(*8&6(/ ,(:%#+'96(8.B(%N4" ,".9%*9"8&(N/4" ,%,#&A(9\$&(.9%*@&.9(
 #/ ,9%*.9.(O&*&(" ,9\$&(:/'/O" ,-(%*&%. (L&V#&J9(O\$&*&(& ,/9&N(A(J*#&& ,9%-&.(,N"#%9&(9\$&(J*/J/*9"/ ,(/:(
 *&.J/ ,N& ,9.(O\$/(<&"&8&(9\$&(#%9&-/*6(*&:'	.(%#+'96(N/4" ,%,#&(/*(J"4%#6MS(4.881hfQd001539.773489.

(?&#&"8&N(:%#+'96(N/4" ,%,#&(
---	------------------------------

GM K%" +*(9/(%N\$*&(9/(9\$&(5 PP(/*(K%#+'96() 6'O.A(/*(%#9)/ ,.(9%&&, (9/(+,"'9&%'6(#\$%, -&(9\$&(5 PP(O\$&, (9\$&(%N4 ", ".9*%9"/ , (J&##'8&. (9\$& 4 (9/(<&(_ , #/ , 8& , "& , 9B`((

2\$&(#/ 4 4 &, 9.(%&:'	(O"N&.J*%&N(#/ , #&*, (%</+9('O(:%#+'96(4 /%*'&(IO), 66)\$, +7%8#89(% *".&(" , (:%#+'96(N&J%*9+*%&.A(% , N(\$/O(.\$/%9#/ 4 " , -.(, (. \$%*&N(- /8&*, % , #&(O'''*%&.'+9(" , (N":.'#+'96(" , (&#*+'9" , -(, N(*&9%" , " , -(- /N(:%#+'96B(2\$&6(*%&:'	(%('%#@(/:(. %9" . :%#9"/ , (" , (9\$&(#+**&, 9(.9%9&(/:(. \$%*&N(- /8&*, % , #&A(%('%#@(/:(9*+.9(/:(%N4 " , ".9*%9"/ , (%9%'('&8&'.A(% , N(%<&'&:(9\$%9(. \$%*&N(- /8&*, % , #&(\$%.(N&#'" , &N(/8&*9\$&(J%.9(9&, (6&%*.B(

I, (#/ , 9*% .9A(/ 4 &(.+*8&6(*%&.J / , N&, 9.(%'6(J%*9(/:(9\$&(<'4 &(9\$&(:&&9(/:(9\$&(:%#+'96(9\$& 4 .&'8&.A(J/" , 9" , -(9/(%O"N&.J*%&N('%#@(/:(, 9&*%&.9" , (J%*9#"J%9" , -(, (. \$%*&N(- /8&*, % , #&(% , N(% , &&N(/:(%#+'96(9/(#/ 4 4 + , "#%9&(O&''(O\$6(. \$%*&N(- /8&*, % , #&(" .(%@&6(#/ 4 J/ , &, 9(/:(.+##&..:+'(+ , "8&*."9"&.B(=9" , 6(4 " , /*'96(J/" , 9&N(/+9(9\$%9(:%#+'96(\$%8& , /(<+." , &..(4 %@" , -(N&#'" / , .(%</+9(#&*9%" , (&'& 4 &, 9.(/:(+ , "8&*."96(- /8&*, % , #&A(*%&:'	" , -(('%#@(/:(+ , N&* .9% , N" , -(/:(9\$&(+ , % , #&.(/:(. \$%*&N(- /8&*, % , #&(% , N(9\$&(N":.&*%&, 9(N&-*%&&.(/:(%#+'96(%+9\$/*'96(" 4 J'"#9(9\$&*%&)" , B((

2\$&(9% .@(/:*#&(4 & 4 <&*. (, /9&N(9\$%9(9\$".(.+*8&6(O%.(%N4 " , ".9&*%&N(" , (.J*" , -(.& 4 &.9&*%&(EFEEA(O\$&, (9\$&(:&:'	.(/:(9\$&(J% , N& 4 "#(O*%&('9'''(.9*/ , -'6(:&'9A(O\$"#\$(4 %6(\$%8&(:/ .9&*%&N(% , &-%9"8&(<"%.(, (:%#+'96(J&*%&J9"/ , .B(^ , (9\$&(/9\$&*(\$% , NA9% .@(/:*#&(4 & 4 <&*. (% , N(IK5(4 & 4 <&*. (" , (-& , &*%(' <&'&8&A(<%.&N(/ , " , :/* 4 %'(:&&N<#%@A(9\$%9(9\$&(8"O.(/:(9\$&(:%#+'96(/ , (9\$&'*(%# 4 J+.&.(\$%8& , /9(. \$%*9&N("- , " : "#% , 9'6(" , #&(9\$&(.+*8&6(O%.(%N4 " , ".9&*%&NB(2\$&(IK5(\$%.(N".#+.&N(%N4 " , ".9&*%& , -(9\$&(.+*8&6(9%&-+%'*(, 9&*%8%' .B(

05#'.+,25#!(#8!A% '5))%#8(\$25#!,

(2\$&*%&(" .(%#*" .(" , (#/ , : "N& , #&(" , (. \$%*&N(- /8&*, % , #&(" , (9\$&(7 , "8&*."96(/:(! " . /+*(06.9& 4 B(g.&.J'9&(4 % , 6(.J&#" : "#/'&.(N&. "- , %9&N(/:(%#+'96(" , (9\$&(5 PPA(9\$&(-& , &*%('J&*%&J9"/ , (% 4 / , -(9\$&(:%#+'96(" .(9\$%9(9\$&(%N4 " , ".9*%9"/ , (" , - , /*%&.(/*(J%6.(4 &*%&('J ;.&*%8'#&(9/(9\$&(:/+ , N%9"/ , %'(J*" , #J'&.(/:(R/" , 9&(:/*9A(4 +9+% '(+ , N&* .9% , N" , -A(% , N(" , 9&*N&J&, N&, #&A(%.(N".#+.&N(" , (9\$&(== 7 ?Q.(_09%9& 4 &, 9/ , (3 /8&* , 4 &, 9(/:(5 /'&-&.(% , N(7 , "8&*."9"&.B` (P%9\$&*9\$% , (%R/" , 9&(:/*9A(:%#+'96(J&*%&#&'8&(9\$&(#+**&, 9(4 /N&' /:(- /8&*, % , #&(.9/J;N/O , A(O"9\$(:%#+'96(" , J+9%*%&'6(. /+- \$9(% , N(:& \ +&, 9'6("- , /*%&NB(2\$".(J&*%&J9"/ , (#/*%&.J / , N.(O"9\$('/O(:%#+'96(4 /%*'&A('%#@(/:(, 9&*%&.9(" , (:%#+'96(- /8&*, % , #&A(% , N(O"N&.J*%&N(N".%9" . :%#9"/ , (O"9\$(%# 4 J+.(% , N(.6.9& 4 (%N4 " , ".9*%9"/ , B((

(?%*9#+%'6(J* /<'& 4 %9#(.&& 4 (9/(<&(9\$/ .&(%*%&.(O\$&*%&(:%#+'96(\$%8&(9*%N"9"/ , %'6(\$&'N(N/ 4 " , % , 9(/:.*+<.9% , 9%"R/" , 9(%+9\$/*'96A(.+#\$%.(#+**'+ +4 (N&8&'/ J 4 &, 9Z(:%#+'96(\$*" , -Z(9\$&(#*%&9"/ , (% , N(N".<% , N" , -(/:(%#%N& 4 "#(J* /- %4 .Z(9\$&(N&8&'/ J 4 &, 9(/:(%#%N& 4 "#(J/'"#&.Z(% , N(J* / 4 /9"/ , (% , N(9& , +*%&(N&#'" / , .B(K%#+'96(J&*%&#&'8&(9\$%9(9\$&.&(*%&.J / , . "<""9&.(%*%&(<&)" , -(9%&&, (/8&*(<6(9\$&(%N4 " , ".9*%9"/ , B(

(K/(9\$&*%&(J%*9A(:%#+'96(. \$/+'N(<&(*%& 4 " , N&N(9\$%9(9\$&(= 7 ?Q.(J*" , #J'&.(/:(. \$%*&N(- /8&*, % , #&('&%8&(#&*9%" , (&'& 4 &, 9.(/:(+ , "8&*."96(- /8&*, % , #&(" , (9\$&(\$% , N.(/:(%N4 " , ".9*%9"/ * .(% , N(9\$&(- /8&*, " , -(</%*NB(K/*&V% 4 J'A(:" , % , #B" , -(<\$/*6/ 4 " , % , 9J(#&*9%*/

\$/O&8&*A(9\$&(J*" ,#"J'&(/:(R/" ,9&::/*9(4 &% ,.(9\$%9(:%#+'96(" ,J+9(/:9& ,(.\$/+'N(<&(. /+-\$9A(&8& ,(":(9\$&(:",%'(N&#" ."/ ,(*&.9.(O"9\$9\$&(%N4" ,".9*%9"/ ,(/*(9\$&(5+*%9/* .B(= ,N(O\$& ,(:",%'(N&#" ."/ ,.(#/ ,9*%N"#9(9\$&(8"&O.(/:(% .+<.9% ,9"% '(4 %R/*"96(/:(9\$&(:%#+'96A(% #'&%*A(*%9"/ ,%'(&VJ'% ,%9"/ ,(.\$/+'N(<&(J*/8"N&N(:/*(O\$6(9\$&(:%#+'96Q.(/J" ,"/ ,(" .<&" ,-(N" .*&- %*N&N(/* /8&***NN& ,B((

b \$& ,(:%#+'96(% ,N(%N4" ,".9*%9/* .(O/*@(/ -&9\$&*% ,N(. \$%*&(/J& ,(" ,&.(/:(# / 4 4 + ,"#%9"/ ,A(&8&*6/ ,&(<& ,&:"9.B(I9(" .(" ,9\$" .(J"*"9(9\$%9(O&(J*& .& ,9(9\$&(:/'/O" ,-(*&# / 4 4 & ,N%9"/ ,.(:/*("4 J*/8" ,-(. \$%*&N(- /8&* ,% ,#&(O"9\$" ,9\$&(7 ! (O6.9&4 S(

HB =''(.\$/+'N(O/*@(/ -&9\$&*%(/& ,. +*&(9\$%9(:%#+'96(*&9%" , (J*" 4 %*6(*&.J/ ,."<""96(" ,9\$&(%*&% .(/:(#+'*#"#+' +4 A(" ,.9*+#9"/ ,A(*& .&%*#A(:%#+'96(.9%9+ .A(N& - *&&(*&\ +*%& 4 & ,9.A(%JJ"/ ,94 & ,9.A(J*/ 4 /9"/ ,.A(% ,N(*&# / 4 4 & ,N%9"/ ,.(:/*(9& ,+*&(% ,N(:%#+'96(N" .4" .% 'B(I, (J%*9"#+'%*A(9\$" .(4 &% ,.(9\$&(:/'/O" ,-(

%B b \$"&(9\$&(%N4" ,".9*%9"/ ,(*&9%" ,.(% ,("4 J/*9% ,9(*/'&(" ,(.&99" ,-(9\$&(-+"N" ,-(8" ."/ ,(:/*(9\$&(" ,.9"9+9"/ ,A(9\$&("4 J'&4 & ,9%9"/ ,(/:(,&O(%#%N&4 "#(J*/ - *% 4 .(4 +.9(<&(-+"N&N(<6(9\$&(:%#+'96(O\$/(O""(<&(9&%#\$" ,-(9\$&4 A(O"9\$(\$#/+* .&.(% ,N(N& - *&&(*&\ +*%& 4 & ,9.(N&9&*4" ,&N(<6(9\$&(:%#+'96B(

<B 2\$&(#'/. " ,-(/:(%#%N&4 "#(J*/ - *% 4 .(% ,N(N& - *&&.(. \$/+'N(,&8&*(<&("4 J'&4 & ,9&N(I, (%9"/ ,.(:&&*%&9%" ,%N'96(% ,N<*/%N9(&*%9%Tj(() Tj 4 & ,N1 .5 - 2.2 4 % ,(:%N) Tj .%

(

HE

.&,N(%*&#/ 4 4 &,N%9"/,(