

; > / # N * L > / > 4 . / > C > - * @ A > / & * B # / * 8 . + 4 + > - & % - D * L . J 1 % 0 > + % # - * # - * O , - & , / * > - & * F % \$, / 4 % G * B / # C * O , - & , / * > - & * F % \$, / 4 % G * % - * 8 / D > - % E > + % # - 4 * F % \$ % # - * # B * @ 0 > & , C G * # B * = > - > D , C , - + # P , 4 + * ; + . & , - + * L > M , / * @ A > / & * B / # C * 8 / D > - % E > + % # - * Q * = > - > D , C , - + * R ? , # / G * F % \$ % # - * # B * @ 0 > & , C G * # B * = > - > D , C , - + # S , > + . / , & * % - * I 4 * 5 6 5 (* U # C , - I 4 * V % # / G * = # - + ? * W % + . > 1 * ; M , 0 % 1 * < 4 4 . , *

^9%<^:'J:'345G:'NL%'b'F,.) ,.%\$#*!&'! '- ,E9%&#/'+'*)'@*)b'Q&,eO%#A:S' * &\$()#+%-% \$/\$0#)/1%D)!1% : \$E)3% 3,&)) (5/0!F%

>,=, %&<F:'%&C'^:'J:'^9%&:'345V:'N! '\$\$9, '^O\$\$#&.' \C, , '*+'^*/8%)%\$#?,'^O-\$0)%-F*E#*='. AI!'! '- # ^*&+,), &E, '[,8*)\$'+)* /'\$9, '345V'\%'\$,) &'F*E#*='. #E%='F*E#, \$A!' &&O%=' - , , \$#&. S:'G''1''3);%* #)35&\$/% 7, &5, ', 05&\$%'* !! , &5\$15, /%7)&15, /% /%1H)%7, &5, ', 0+%-%G''1''3)) !=!)1)3F 3TU5W'5`:'

! &\$, aA<- : '%&C'^:'J:'^9%&:'345V:'N0?#'#a=, '@*)bS'#&'7, &5, ', 0+%-%J , 3K:%*/%>/&+&', E)(5\$<', C:'] : 'F / #9' %&C'd:'P:'P*='* &:'L9*0"%&C'1%b"<^! I'F%. , <G`G7G` T:'

^9%<^:'J:'345V:'N>*b'[, ?#, BI' . , /)+*% 1%J , 3K:%4/%1H)%2, @%=51H% 35)!1!L% , K)3% '\$+)3!L%/(%<)(0)M"/(% N3\$()3!<a'AJ , ?#&'d:' ; , =%&, A:S'J , 3K%O%4&&'E\$15, /!:'G4UVW'V3TV3H:'

A A A

R#&%#'\$+*)>, '\$'F0a/#''#*&'B#9' ()%E\$#E%='Q/8-#E\$#* &'+'*)'1) . %%\$#* &'< ' 343G'
 ! E%C, /A'+*- %&%. , / , &\$<- %&%. ,)#%-'O'1) . %%\$#* &'<^* . &#&#* &'; #?#'#* &''
 * (#5/5!13\$158)%7&5)/&9"\$31)3'+! B%)C'+*)'FE9*%-)A'^*&)\$aO\$#* &' 3433
 10\$), %E9'! B%)C<! E%C, /A'+*- %&%. , / , &\$<'1) . %%\$#* &'%'&C'\$9, '_%\$0)%=' 3435'
 \&?#)*&/ , &\$%'&C'F*E#%='Q''O, ''#&' - %&%. , / , &\$'; #?#'#* &''
 * &\$()#+%-% \$/\$0#)/1%* // '\$!'] * =0 / , '54'>, '\$' (%8,)! B%)C' ' 3456
 F%)*K' (%)%'0)%/%&'! B%)C'+*)'1 O\$"\$%&C#&. '; #?,)"#A' (0a=#E\$#* &'< 345T'
 ! E%C, /A'+*- %&%. , / , &\$<'; #?,)"#\$A'\eO#A<'O'Q&E=O"#* &'; #?#'#* &
 @A''''! B%)C'+*)'; #'' ,)\$%\$#* &' \DE, =, &E, <Z%)?)C'>0"#&, ''''FE9**=' 345T
 >, '\$'F\$OC, &\$' (%8,)! B%)C<! E%C, /A'+*- %&%. , / , &\$<' 345G'
 1) . %%\$#* &'O' - %&%. , / , &\$'L9, *)A'; #?#'#* &
 L9*/%'L, /8=, 'Z**8, '' (#2, '+*)'f&C, .) %CO%\$, 'L9, ""'\DE, =, &E, <' 344H'
 Z%)?)C'^* =, . , '

L, %E9#&. 'F%)<>*"#\$&' ^* =, . , '^%)*)='FE9**='*+* - %&%. , / , &\$' 343V<3433<3434
 (*, \$''O'hO&\$\$''L*8`4'>, '\$'f&C, .) %CO%\$, '>0"#&, ''''FE9**=' () *+, ''''*)''' 3434'

430\$/56\$15, /%7&5)/&)%1 O\$"\$%&C#&. '[, ?#, B,)! B%)C' ' ' ' 343G'
 * &\$()#+%-% \$/\$0#)/1(C)85)='1 O\$"\$%&C#&. '[, ?#, B,)! B%)C' ' ' ' 343V<345X
 * &\$()#+%-% \$/\$0#)/1(C)85)='1 O\$"\$%&C#&. '; , ?,*8 / , &\$%=' [, ?#, B,)! B%)C' ' ' 3433'

(9#>, %\$'J%88%'Z*&*)'F*E#, \$A<Z%)?)C'^* =, . , ' 3446
 d*9&'Z%)?)C'FE9*%)'9#8<Z%)?)C'^* =, . , ' ' ' ' 344`

1). %%\$#* &%='R%#-0), "l'Y, %C,)"9#8'#&' ^)#' #'"

(%&, #'\$%'\$QC, &\$#A'^* &+,) &E, '+*)'8%&, =NQC, &\$#A'%&C'\$9, '^9%&. #&. '_%\$0), '*+'@*)bS:'(9#%C, =89#%<' (! <- %)E9'345X:'

(%&, #'\$%'\$! 1 - '(; @'N>, #&. 'L9,), k'>, #&. 'L9, /I'\\$9&* .)%89A'L9, &'%&C'__*BS:'! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. <^9#E%. *<QY<! 0.0"\$'345H:'

(%&, #'\$%'\$! 1 - '(; @'NP; 1'; *E\$*)%#F\$0C, &\$'^*&"*)\$#0/S'+*)'8%&, =N! B%)C'@#&&#&. 'FE9*-%)":S' ! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. <^9#E%. *<QY<! 0.0"\$'345H:'

R%E#%\$*\$*)%'\$! 1 - '(; @'N_%?#.%\$#&. 'h0%#%\$#?;', #''',)\$%\$#&'! C?#E, '+)* /'\$9, '\D8,)\$":S'! E%&, /A' *+' - %&% ., /, &\$!' &&O%=-, , #&. <^9#E%. *<QY<! 0.0"\$'345H:&

R%E#%\$*\$*)%'\$@#"\$* &' ^, &\$,)'+*)'Y, %C,)"9#8'%&C'\\$9#E''8%&, =N1 &'@)#\$#&. !R)%/#&. 'B#9'Z**b""%&C' (022=, "S:'>*"\$* &' ^*=, ., <@#&"\$* &' ^, &\$,)'+*)'Y, %C,)"9#8'%&C'\\$9#E"<>*"\$* &' - ! :d0=A'345H:'

N- %&% . #&. '1 EE08%\$#* &%=[, 80\$%\$#&'! 1?,)E*/#&. '\$9, '\&EO\$0)%\$#&' *+' 1 0\$"#C,)"c'] #, B""*+'%&' 1 EE08%\$#* &:S'! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. <F, %\$=#, <@! <! 0.0"\$'3433:'

N- %&#&\$%#&#&. '%- %&C%\$, '*+' - , %&#&. +0=&, ""'!L9, '1 EE08%\$#* &' *+' ^%), ,)! C?#',)""#&'>0"#&, ""'FE9**%=S' UB#9'Y:'Z, CC, &W:'! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. 'U] #)\$0%#&'! 0.0"\$'3434:'

NL9, '; *0a=, 7\ C. , C'FB*)C'*+' 1). %%\$#* &%='^0\$0), !'; *#&. '%&C'f &C*#&. ' __*)/)%\$#?, '^* &\$)*=S' ! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. <! %&9, #/<^! <! 0.0"\$'345T:'

NL%"b'F, .), . %\$#* &'! ""'- , E9%&#/'+'*)'@*)b'Q&, e0%#&AI'@* /, &'%&C'- , &' *+' \$9, 'LF! S'UB#9' - : ' ! &\$, aAW:'(, *8=, '%&C'1). %%\$#* &' *+' ^&+,)&E, <(9#%C, =89#%<' (! <1 E\$a,)'345G:'

NL%"b'F, .), . %\$#* &'! ""'- , E9%&#/'+'*)'@*)b'Q&, e0%#&AI'@* /, &'%&C'- , &' *+' \$9, 'LF! :S'! E%&, /A'*+' - %&% ., /, &\$!' &&O%=-, , #&. <(9#%C, =89#%<' (! <! 0.0"\$'345G:'

NL%"b'F, .), . %\$#* &'! ""'- , E9%&#/'+'*)'@*)b'Q&, e0%#&AI'@* /, &'%&C'- , &' *+' \$9, 'LF! :S'! /,)#E%&' F*E#*=* .#E%='! ""*E#%\$#* &'! &&O%=-, , #&. <F%&'R)%&E#''E* <^! <! 0.0"\$'345G:'

NL%"b'F, .), . %\$#* &'! ""'- , E9%&#/'+'*)'@*)b'Q&, e0%#&A:S'Z%)?%)C'>0"#&, ""'FE9**=F\$0C, &\$ [, ,)E9' FA/8**#0/<>*"\$* &' - ! <- %A'345G:'

Nd*a'L%"b'F, .), . %\$#* &'! ""'- , E9%&#/'+'*)'@*)b'Q&, e0%#&A'\$9, 'L)%&'8*)%\$#* &'F, EO)#\$A' ! C/#&#"\$)%\$#* &S:'\%"\$,)&'F*E#*=* .#E%='F*E#,\$A'! &&O%=-, , #&. <>%=#/*), <- ; <R, a)0%)A'345G:'

N>, #&. 'F, , &'%&C'P*#&. 'f&&*#E, CI'@*)b#&. '0&C,)'F0)?, #=%&E, S'UB#9' - : '! &\$, aAW:'\%"\$,)&' F*E#*=* .#E%='F*E#,\$A'! &&O%=-, , #&. <>%=#/*), <- ; <R, a)0%)A'345G:'

N>, #&. 'F, , &'\$/(P*#&. 'f&&*#E, CI'@*)b#&. 'f&C,)'F0)?, #=%&E, S'UB#9' - : '! &\$, aAW:'! /,)#E%&' F*E#*=* .#E%='! ""*E#%\$#* &'! &&O%=-, , #&. <_, B'g*)b'__g<! 0.0"\$'345V:'

N! '() *a=, /' *+' () *8*)\$#* &'! '_0/a,)<'F\$#. /%<'%&C'\/*\$#* &'! / * &. '! #)8*)\$'F, EO)#\$A'FE), , &,) "S' @*)b<1). %%\$#* &'<'%&C'- %)b, "\$"F, /#&%)<^%/a)#C. , <- ! <! 8)#=345V:'

N>, #&. 'F, , &'\$/(P*#&. 'f&&*#E, CI'@*)b#&. 'f&C,)'F0)?, #=%&E, S'UB#9' - : '! &\$, aAW:'! /,)#E%&' F*E#*=* .#E%='! ""*E#%\$#* &'! &&O%=-, , #&. <.; , &?), <^1 <! 0.0"\$'3453:'

N- * &#*\$), C'>0\$ __*\$!' Eb&*B=, C. , CI' (,)'+*)/#&. 'Q&?#''#a=, '@*)bS'UB#9' - : '! &\$, aAW:'F*E#,\$A'+*)'\$9, ' ! C?%&E, /, &\$ '*+' F*E#*7\E* &' /#E''FA/8**#0/<^%/a)#C. , <- ! <dO&, '3453:'

'NY, \$c''P, '\$\$*'@*)b'F\$, ?, '>%)=, Ac''Y, . %EA#&'\$9, 'F\$OCA'+*1 EE08%\$#* &'S'UB#9' - : '>, %&, <d:.'; #>, &#. &*< %&C' ! : 'J%)O&%b%)&W:!' E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <'>*" '\$&<- ! <d0-A'343V:'

N@*)b<1 EE08%\$#* &'<%&C'Q&, eO%=#\$AS'UB#9'! : '@, "" , &C*)+<- : '- %2/%&#&&<F:' J*88/%&<F:' (*)*\$*E)),)>'<O'! : 'Z*=/W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <F, %\$=\$, <@! <! 0.0"\$'343V:'

N! &'1 EE08%\$#* &%='Y, &'**&'F*E#%=Q&, eO%=#\$AS'UB#9'F:'dEb"*&<! : 'J%)O&%b%)&<F:' J*88/%&<! : '@, "" , &C*)+<' (: 'L*=>a,)\$W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <F, %\$=\$, <@! <! 0.0"\$'3433:'

[. --, /'] M*B#/'@8 = *8 = R*F%\$%#/#-T4*P, 4+; GCM#4% C*@A>/&* S%->%#B#/'@8 = ** >, /, /4*F%\$%#/#-T4* = %D?>, 1*F/%\$, /'P, 4+; GCM#4% C*@A>/&*

N\D%/#&#&. '\$9, 'Q&\$,)", E\$#* &'**+1 EE08%\$#* &'**&C' ()*+, ""*#&'**&'1). %%\$#* &'S'UB#9' - : '>, %&, <d:.'; #>, &#. &*<%&C' ! : 'J%)O&%b%)&W:!' E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <] #)\$O%=<d0-A'3435:'

N_, B'; #), E\$#* &'**&'1 EE08%\$#* &'**&C' ()*+, ""*#&'S'UB#9' - : '>, %&, <d:.'; #>, &#. &*<%&C' ! : 'J%)O&%b%)&W:!' E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <] #)\$O%=<! 0.0"\$'3434:'

'N>, #&. 'L9,)', k'>, #&. 'L9, /I'\\$9&*.)%89A<- , %&#&. <%&C'>, A* &CS'UB#9' - : '! &\$, aA'%&C'\:'Z%&', &W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <! &%9, #/<^! <! 0.0"\$'345T:'

N>, #&. 'L9,)', k'>, #&. 'L9, /I'L9, 'Q&\$,)", E\$#* &'**+1). %%\$#* &%'&C'1 EE08%\$#* &%'&C'\\$9&*.)%89AS'UB#9' - : '! &\$, aA'<d:.'; #>, &#. &*<%&C'\:'Z%&', &W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <] %&E*O?,)<^! <! 0.0"\$'345:'

N>, #&. 'L9,)', k'>, #&. 'L9, /I'F\$%. , ""*+ '\&\$)A<\D#<%&C'Q&7>, \$B, , &'#&'1). %%\$#* &%'&C'\\$9&*.)%89ASUB#9' - : '! &\$, aA'<d:.'; #>, &#. &*<%&C'\:'Z%&', &W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <(9#%C, =89#%< (! <! 0.0"\$'345G:'

N>, #&. 'L9,)', k'>, #&. 'L9, /I'L9, 'F, =#&'1). %%\$#* &%'&C'\\$9&*.)%89AS'UB#9'\:'Z%&', &W:'! E%C, /A'+*- %&%. , /, &\$'! &&O%=- , , \$#&. <1)=&C'<RY<! 0.0"\$'345V:'

N- #^* &+,) &E, '* &' ^* /8%)\$#?, '^0-\$0)%='F*E#*=. AS'UB#9'F:'>, &#, %&<>:'> * &#b* B"b#<%&C' - : 'Y%/* &\$W:'\%'\$,) &'F*E#*=. #E%='F*E#, \$A! &&O%=- , , \$#&. <'>*" '\$&<- ! <- %)E9'345V:'

AA

Z,)*'@*)"9#8I'@9%\$'Z%88, &'@9, &'d*a''') , '- *)%#2, C'j %Y/, =')(0)%\$1%J H\$31, /'j ' __*?:'3X<3433%
Z*B'\$*'>0"\$>#%'%'\$'@*)b'j 'J, 3KB5-)%=51H%* (\$#%?3\$/1' (*CE%"\$'j - %A'5H<3435'
\$'%=C%\$%, &\$)A'B)b'#''E), %\$, C', eO%='j 'NH)%G, /8)3!\$15, /'j 'R, a:'V<3434:'
Z*B'FO)?, #=%&E, '^9%&. , "">, 9%?#*')j '* Z5, f&, #j %F, 8:'6<345X'
g*0)'\ /8=*A,) - %A'a, 'F8A#&. '* &'g*0'j '7&5)/15-5&#* #)35&\$/%j ' ! 0.:'5T<345X'
L9, 'R#&, 'Y#&, 'a, \$B, , &' ^* ,)E#* &'%&C' ^%) , 'j 'G, #/#''/5&\$15, /!%-%H)%* G. 'j ' ! 8):'5<345X'
L9, '\ /8=*A,)'FO)?, #=%&E, 'F\$%\$, 'j 'NH)%* 1'\$/15&%j '1 E\$:'5`<345H'

^* &'O-\$#&. '! ""*E#%\$, <Q&&*"#. 9\$'	'	'	'	'	'	3455'
^* &'O-\$#&. '! &%=A"\$<Q&&*"#. 9\$'	'	'	'	'	'	344H73454'