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C'-76-%&!D%67&1%+$3>&!E'#F1
G&$&-'H5!,&1%#'+$3\!!I-J&'#
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5(.%1&#$3#&.1.$'$&#'*%03#$(/#$%"',%0.$7(.%6+$(/$2#)#/.#$'/2$&#.5(/20/4$%($5&(,6#7.$%"',%6'&#$
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.+.%#7.$'/2-0.3("#)-0.2($0.2T.1"/)-0.2()-0.2(.)-0.2($-0.2(.)')0.2(\#)-0.2(\#)-0.2(\$20)0.2\$-0.2(\#)Tm/TT181Tf[(
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"#\$%&(==!+,-'.&%%-!/0&1%!2&1%&'
456' \$7-89!#0&;<&'!=)!"9\(\omega\)**!?!O@\(\omega\); !
K17&'L'-76-%&!D%67&1%\(\omega\)**\\Omega\)*\\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\Omega\)*\\\Omega\)*\\Omega\)*\\\Omega\)*\\Omeg

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'&*''0%#*%\$'/2\$%''#\$*(771/0%+9\$(&\$'/\$'..#&%0(/\$%(\$%''#\$'&*''0%#*%_.\$'1%''(&0%+8\$?%\$'6.(\$2#7(/.\&''\%#.\\$''(; \$\''\#\\$20.\&0, 1\%0(/\\$()\\$'4#/*+\\$''/\\$0/)61#/*#\\$, (\\''\\$\''\#\\$.1**#..\\$'/2\\$\''\#\\$.1.\\''0/', 060\\+\\$()\\$\''\#\\$5&(@#*\\\$0/\\$\(2'+_.\\$\%07\#\!

E"+/\$.0+.*"0'43"'./0'H33"'<0"2*2'./0'L02\$"0'34'./0'H33"I'!/0'E-6\$<#,0%.'A0+0:.\$3%'34' 7#22#%'=#./5T2'E"+/\$.0+.*"#,'>0&#+5 T'-J!"'&\$&1%-%.#1UV,\W.J\$#1!D%67&1%!2&1%&'!

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*'''&'**#&0>#2\$, +\$0%.\$30,&'/%\$1.#\$()\$*(6(&\$'/2\$604''%9\$*&#'%#.\$.5'*#.\$%'''%#/4'4#\$%''#\$.#/.#.\$'/2\$#3(-#\$
#7(%0(/'6\$&#.5(/.#.8\$G0.\$; (&-9\$Q'.'\$H06'&20\$IEN\^J9\$2#7(/.%&'%#.\$K#&6#'1BT(/%+_.\$2#)0/0%0(/\$()\$
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.%&'%#40#.$60-#$%#*%(/0*.9$*(771/0%+9$'/2$.1.%'0/',060%+$*'/$,#$1.#2$%($.144#.%$/#;$5(%#/%
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'/2$"(;$%"#0&$2#.04/.$.##-$%($)0=$.(*0'6$@1.%0*#$0..1#.$'/2$5&(7(%#$)#7'6#.$'/2$%"#$6#..$5&03
="3-'GQ$2.0%.$#,$2-'.3'G+3,3&$+#,')3%2+$3*2%022I'E"+/$.0+.*"#,'H/$,323:/$02'34'
)/$%020'E"+/$.0+.'8#%&'9/* !
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5&'*%0*#.8$?%$;'.$R&'/-$Z6(+2$Y&04"%$;"($)'7(1.6+$(55(.#2$%"#$'60#/'%0(/$()$',.%&'*%$7(2#&/0."
'&*"0%#*%1&#8$S#6+0/4$(/$!&'/.*#/2#/%'6$5"06(.(5"+9$Y&04"$%<u>%$5&$}&°</u>00,0%#2$'/$
'&*"0%#*%1&#$%"'%$;'.$&((%#2$0/$&#.5#*%$)(&$%"#$6'/2.*'5#$'/2$%"#$.#/.#$()$%"#$56'*#8$Z'%#
5"#/(7#/(6(40.%.$%(($#=5&#..#2$'$/#;$*(/*#5%0(/$()$'&*"0%#*%1&#$%"'%$."0)%#2$%"#$)(*1.$(/$%'
30.1'6$'/2$%"#$#+#$%($(%"#&$.#/.#.9$#.5#$0'2$%$%0*0%+8$!"#$';'&2$;0//0/4$Q"0/#.#$
'&*"0%#*%9$Y'/4$D"1$())#&.$%"#$%"0&2$;'+8$Q"0/#.#$'&*"0%#*%$YB#$|D&'$5($E$&\##2$
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>3+#,,5'9."#%?0?'@E??"022\$%&'A*"#,')#202'34'L3-02.\$+'F\$3,0%'+0"#\$%&(!)O!+,-'.&%%-!/0&1%!2&1%&'3

456'\$7-89!:#0&;<&'!=) '"9!O>*?!O>@A!B;

K17&'L'-76-%&!D%67&1%+\$3>!TF&1!"5.JJ.B\$!

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H/0%3-0%3,3&5'9/#:02'[\2. @0%.*"5'E"+/\$.0+.*"0'./"3*&/'E62."#+.'1?0#2I'E%#,5W\$%&'

456'\$7-89!:#0&;<&'!=) '"9!)>**P!)>@A!B! K17&'L'-76-%&!D%67&1%+\$3>!S'%6'#!G&\$&17._ G&\$&-'H5!,&1%#'+\$3>!/5\$-1!D5&.Q5#J5-'-;!,-\$55-7. !

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*#/%#&.9$)(*1.0/4$(/$''(; $%''#.#$.5' *#.$*'/$,#%\#&$.155(&%$\''#$; #66B,#0/49$204/0%+9$'/2$*16%1&'6$
02#/\%\%+$()$G0.5'\0\partime{0}\%'\.+617\$\.##-#&\.\$\Q1&\&#\\%'\.+617\$\*#\\\#&\.\$()\\#\\$5\&0(\&0\%)>\#$\)\0\rangle 02#\\%\\.
'/2$\1/*\0(/'60\%+$\(3#&$\%''#$#7\(\0(/'6\$'/2\$5.+*''\(6\(40\*'6\$/##2.\$\()\$\\''#0&\$\(**15'/\%.9\&#.16\)\/4\$0/$
#/30&(/7#/%.$%''^%$)##6$0/.%0%1%0(/'69$075#&.(/'69$'/2$20.*(//#*%#2$)&(7$%''#$*16%1&'6$02#/%0%#.$()$
20.56' *#2$0/203021'6.8$! "0.$6' *-$()$*(/.02#&'\%0(/$)(&$\\"#\$*16\\%1&\'6\\,' \*-4\\\(1/2\$'/2\$\#7(\\%0(/'6\\$)
&#*(3#&+$()$'.+617$.##-#&.$#='*#&,'\\#.$\\"#$*\\'66#/4#.$\\\"#+$\)'*#9$0/*6120/4$0.(6'\\0(/9$\\\17'9$'/2$
20. (&0#/%'%0(/8$! ''#$&#.#' &*''$0/$%''0.$%''#.0.$.##-.$%($'22&#..$%''#.#$0..1#.$, +$0/\#4&'\%0/4$*16\%1&'66+$
.#/.0%03#$2#.04/$.%&'%#40#.$%'''%&#)6#*%$\'#$''#80%' 4#$'/2$/##2.$()$G0.5'/0*pZ'%0/($5(516'%0(/.8$
#6#7#/%.9$'2'5%',6#$.5'*#.9$'/2$*(771/'6$'&#'.$*'/$*&#'%#$#/30&(/7#/%.$%'''%$)(.%#&$#7(%)(/'6$
&#*(3#&+9$5&(302#$5&03'*+9$'/2$#/*(1&'4#$.(*0'6$0/%#4&'%)(/8$: 220%)(/'66+9$%''#$%''#.0.$#='70/#.$
%''#$075(&%' /*#$()$0/*(&5(&' %0/4$' &*''0\#*\%1&' 6$)(&7.\$\7'\\#\&0'6.\$\' /2\$.5'\\%0'6\$' &&' /4#7#/\%.\$\'''\\$
&#. (/' %#$; 0%"$G0.5' /0*pZ' %0/ ($*16%1&'6$02#/%0%+$%($5&(7(%#$'$.#/.#$()$, #6(/40/4$'/2$*(7)(&%0/$
´.+617$*#/%#&.$$! ''&(14''$´$*(7,0/´%0(/$()$*´.#$.%120#.9$´/2$2#.04/$#=56(&´%0(/9$%''#$5&(@#*%$; 066$
2#3#6(5$'$*(75&#''#/.03#$'&*''0%#*%1&'6$5&(5(.'6$)(&$'$''17'/#$'.+617$*#/%#&\\!"0.\$5&(5(.'6\); 066\
0/%#4&'%#$*16%1&'6$#6#7#/%.$; 0%''$%&'17'B0/)(&7#2$2#.04/$5&0/*056#.$%($*&#'%#$.5'*#.$%'''%.155(&%
, (%"$%"#$077#20'%#$/##2.$'/2$6(/4B%#&7$; #66B,#0/4$()$'.+617$.##-#&.8$! "#$2#.04/$; 066$5&0(&0%)>#$
*(771/0%+B, 10620/4$.5′*#.$%($5&(7(%#$.(*0′6$0/%#&′*%)(/$; 0%''$%''#$6(*′6$5(516′%)(/9$)′*060%'%0/4$
0/%#4&'%0(/$'/2$&#21*0/4$0.(6'%0(/8$C6%07'%#6+9$%''0.$%''#.0.$'07.$%($&#2#)0/#$%''#$'&*''0%#*%1&'6$
' 55&(' *''$%($' . +61 7$*#/\#&.$, +$2#7(/.\&'\%0/4$''(; \$*16\%1\&'66+\$.\#/.0\%03\#\$' /2\$''17' /\#\$2\#.04/\$*'/\$
%'/.)(&7$%''#.#$.5' *#.$0/%($#/30&(/7#/%.$%''' %$())#&$204/0%+$#7(%0(/'6$.155(&%$'/2$'$.#/.#$()$
,#6(/40/4$)(&$G0.5'/0*pZ'%0/($'.+617$.##-#&.8$
9/#:$%&'9*2.#$%#6$,$.5I'1%<02.$&#.$%&'./0'9."*+.*"#,'G44$+$0%+5'34'=#6"$+'=3"-R3"J'$%'
)3%+"0.0'K0#-'H"3?*+.$3%'
"#$%&(!)O!+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) '"9!)*>**!?!)*>@A!-:!
K17&'L'-76-%&!D%67&1%+$3>!/0-1!M-JJ&'9!C'&L!DF&-%9!U&$6$!I.&J;-9!N-1!E6J6J.!:86;B-9!
^.!25#F9!D-;.5-!M#$$-.19!D5#L-!T1.9!M-8--!K77.19! c! E'#78!N-1.&J$!
G&$&-'H5!,&1%#'+$3>!C.#0-11.!\#'&%#
! "0.$5(.%#&$#=56(&#.$'/$0//(3'\)\3#$'55&('*"\$\(\$5\&\#*'.\$\$*(/*\&\#\\#\$,\#'7\$)',\&0*'\)\(/\$1.0/4\$)',\&0*\$
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)(&7; (&-\$203#&40/4\$)&(7\$\%'20\%(/'6\$&0402\$)(&7; (&-\$7#\%''(2.8\\$\$0402\\$)

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' &*''0%#*%1&#$0.$', 6#$%($*&#'%#$*(75'&'%03#$)(&7.$%''&(14''$20))#&#/%$7#'/.$, +$'/'6+>0/4$20))#&0/4$
2#.04/$5"06(.(5"0#.$'/2$'/+$*(75'&0.(/.$(&$0/)61#/*#$()$ENFM.$S1..0'/$*(/.&&1*\)30.7$(/$
7(2#&/$[#*(/.\&1*\030.78$
E.,#%.#')3%2.$.*.$3%'K*$,?$%&'A0/#6$,$.#.$3%
"#$%&'!\(\)+,-'.&%%-!/0&1%!2&1%\&'3
456'$7-89!:#0&;<&'!=) !"9\pman > **!?!=>@A!B;
K17&'L'-76-%&!D%67&1%\$$B$\&F!W.JQ.1$!
G&$&-'H5!,&1%#'+$\$\\&\&1!Z-'##d!
: %6' /%' $"' . $' $6( /4$"0. %(&+$()$2#7 (60. "0/4$0%.$, #' 1\%)16$"0. \(\&0^*\$, 10620/4.8\\(\;\'\$)(\&\$0\%.\$\'\502\$
4&(; %"$' /2$7 (2#&/0>' %0(/9$%"#$*0%+$"' . $. ' *&0)0*#2$7 1 *"$()$0%. $' &*"0%#*%1&' 6$"#&0% 4#$0/$)' 3 (&$()$
/#; $2#3#6(57#/%$! "0.$%&#/2$"'.$,##/$(/4(0/4$)(&$2#*'2#.9$6#'20/4$%($%"#$#&'.0/4$()$: %6'/%'_.$
*16%1&'6$''0.%(&+$'/2$%''#$0&&#3#&.0,6#$7(20)0*'%0(/$()$%''#$*0%+_.$.-+60/#$'/2$,106%#/30&(/7#/%8h#%$
&#7'0/.8$Q1&&#/%+9$[(; /%(; /$: %6'/%' .$7(.%206'502'%#2$'/2$"0.%(&0*'66+$.04/0)0*'/%;,10620/4$
0.$%"#$: %6' /%'$Q(/.\%\%1\%0(/\$A10620/4\$\W/\*#\$'\$,#'\1\%)16\$4#79\$\"0.\$/#46#\*\#2\$(62\$.\&\1\*\%1\&\#\$.0\%.\$(/\$
%''#$*(&/#&$()$R(&.+%''$D\\%$'\/2$: 6','7'\$D\\\%$'\/2$,#*(7#.\$7(&\#\$'\/2\$7(&\#\$()\$'\$&10\/\$\#'\*''\$2'+\\$A106\\$
0/$ENc\$'/2$*1&&#/%+$3'*'/%.0/*#$EN\F9$%"#$: %'/%'$Q(/.%%1%)(/$A10620/4$"'.$/(; $,#*(7#$
<10%#$' /$#+#$. (&#$)(&$%''#$R03#$T(0/%.$' &#' 8$?%.$5''+.0*' 6$2#%#&0(&' %0(/$0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#)]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(%#))]T2(')0.20.3(0)02($0.$3#&(2$''02(-0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(#)0.2(
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'$<1'\%%'\%03#$'\'6+.0.$\(\$'\'6+>#\$)1#6\$5\&0*#\$)61*\%1'\%0(\.\$0\$H#(&40'\$)&(\7\$i'\/1'\&+\$FMM\\$\(\$)
[ #*#7, #&$FMEc8$K (/%''6+$2'%'$(/$)1#6$5&0*#.$0.$*(66#*%#2$)&(7$%''#$H#(&40'$[#5'&%7#/%()$
0/20*'%#.$\"#$U0.1'60>'%0(/$()$\"#$\&#/2.$()$\"#$)1#6$5&0*#$0/2#=$\($7#'.1&#$\"#$.''0)\.$()$)1#6$5&0*#$
,#%; ##/$\"#$&#*#..0(/$'/2$/(/B&#*#..0(/$5#&0(2.$,'.#2$(/$#.\%',60.\"#2$#*(/(70*$0/20*'\%(&.8$!($
'..#..$%''#$.%'%0.%0*'6$.04/0)0*'/*#$()$5&0*#$3'&0'%0(/.$,#%; ##/$%''#.#$5#&0(2.9$, (%''$5'&'7#%&0*$%#.%.$
1.1*"$'.$\\BY\"0\\#+\\$C\\#.\\J\$'\2\$\(\B5'\&'\7\\\\\BY\\"0\\#+\\$C\\\#.\\J\\$'\&\\#\$1\\000>\#2\\$!\\"0.\\$
. %12+$'6. ($*(/21*%#2$&#4&#..0(/$'/'6+.0.$%($5&(302#$, #%%#&$1/2#&.%'/20/4$()$%''#$&#6'%0(/.''05.$
, #%; ##/$)1#6$5&0*#.$' /2$#*(/(70*$*(/20%)(/.8$! "O.$.%12+$)(1/2$%"'\%%\"#&#$\&#$\04/0\)0*' /\%*\"\/4#.$
0/$%''#$RT?$21&0/4$%''#$&#*#..0(/$5#&0(28$?/$'220%0(/9$%''#$.#3#&'6$)'*%(&.9$.1*''$'.$4'.$5&0*#.$'/2$
5&(@#*%#=5#/20%1&#9$.04/0)0*'/%6+$0/)61#/*#2$%''#$RT?8$!''#$'/'6+.0.$()$%''#$0/2#=$3'&0',6#$&#3#'6.$
#..#/%0'6$%&#/2.$'/2$)61*%1'%0(/.9$#.5#*0'66+$21&0/4$&#*#..0(/'&+$5#&0(2.9$'020/4$0/$%''#$5&#20*%0(/$
()$#*(/(70*$*+*6#.8$! "#.#$0/.04"%.$'66(; $5(60*+7'-#&.$%($'66(*'%#$&#.(1&*#.$#))#*%03#6+$'/2$
580(80%)>#$. \%' \%#40*\$0/3#. \\7 #/\%. \$21\80/4\$2(; \/\%1\&/. \$\%(\$. 155(\&\%\&#*(3#&+\$'/2\$4\&(; \%''\8\
: 220%(/'66+9$%''#$2'%'$''#65.$)(&#*'.\%2#7'/2$)(&$\"#$\&'\.5(&\%\\0(/\$0/)\&'.\\&1*\1\&\\9\$\\/',60/4\$
,#%#&$56' //0/4$' /2$.*''#2160/4$()$7' 0/%#/' /*#$' /2$154&' 2#.8!
E'7$2.3"$+#,'E22022-0%.'34'73R'AG1!2'7#<0'!/"$<0?'L*"$%&'H"0<$3*2'G+3%3-$+'
A0+022$3%2N'G-:/#2$W$%&'./0'90+.3"2'P32.'E440+.0?
T'-J!"'&$&1%-%.#1J\\.V!W.J$#1!D%67&1%!2&\\\\\\\\\\##;$3
W&71&$7-89!:#0&;<&'!=* "#9!R>*?!R>A*!-;!
C'-76-%&!D%67&1%+$3>!:-':-7-!I-7J-;67. !
G&$&-'H5!,&1%#'+$3>!,.1$##!E-&Q
''!!
S#' 6$P.%' %#$?/3#.%7#/%! &1.%.$ISP?! .J$"' 3#$, #*(7#$' /$075(&%' /%*(75(/#/%)()$203#&.0)0#2$
0/3#.%7#/%5(&%)(60(.$21#$%($%''#0&$5(%#/%0'6$)(&$*(/.0.%#/%60/*(7#$'/2$*'50%'6$'55&#*0'%0(/8$
: 6%" (14"$&#'6$#.%'%#$0/3#.%7#/%$&1.%.$ISP?!.J$'&#$"04"6+$5#&*#03#2$'.$&#60',6#$.(1&*#.$()$
0/*(7#9$%''#0&$5#&)(&7'/*#$0.$''04''6+$'%%1/#2$%($.''0)%**'''/4#.$0/$7'*&(#*(/(70*$)'*%(&.$60-#$
0/%#&#.%&'%#.$'/2$7(/#%'&+$5(60*+8$G(; #3#&9$7'*&(#*(/(70*$*(/20%)(/.$60-#$0/)6'%0(/9$*"'/4#.$
0/$*#/%&'6$,'/-p$4(3#&/7#/%$)0.*'6$5(60*0#.$6#'2$%($*'''/4#$0/$0/%#&#.%&'%#.9$'''3#$'$.04/0)0*'/%$
075' *%(/$%''#0&$.1**#..8$A#*'1.#$()$20))#&#/*#.$0/$%''#0&$1/2#&6+0/4$,1.0/#..$. &&1*%1&#.$$0/%#&#.%$
&' %#$.; 0/4.$*' /$"' 3#$3' &+0/4$#))#*%.$(/$#<10%+$' /2$7 (&%4' 4#$$P?! .8$! "0.$$#.#' &*"$)(.%#&.$'$
,#%#&$1/2#&.%'/20/4$()$''(; $7(/#%'&+$5(60*+$0/)61#/*#.$&#'6$#.%'%#$0/3#.92)S%0.2(1)-0422-178(#)0.1(1! D)2.%2(.
```

! "1.9\$%"0.\$&#.#'&*"\$'07.\$%(\$'/'6+>#\$%"#\$)1#6\$5&0*#\$0/2#=\$; 0%"\$#=%#&/'6\$)'*%(&.8\$! "0.\$.%12+\$#756(+.\$

.0/*#\$%''#0&\$5&()0%',060%+\$0.\$,'.#2\$(/\$0/%#&#.\%&'\%#\$.5&#'2.\\$; ''0*''\$'''3#\$'\\$20&#*\%075'*\\$(/\$\%''#0&\$\#'\&/0/4.8\$P<10\%+\\$SP?!.\\$(/\\$\''#\\$\'''/2\\$'\&\\$\#\.\$.1,@#\\%\(\\$\)/\\%#&#.\\&&'\\#\\$)61\\%1'\\0(/.\\$,#*'1.#\\$\\''#0&\\$\#/1#\\$0.\\$,'.#2\\$(/\\$5\&(5#\&\+\\$5\&0*#.\\$'/2\\$\&#/\%'6\\$0/*(7#\\$\\$\)

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80#<$%&'34'9:#+02l'cL02$&%$%&'9:#+02'./#.')"0#.0'U::3".*%$.$02'43"')3--*%$+#.$3%'
#%?'="00?3-'!/"3*&/'G#20'34'E++022d!
"#$%&(f)* !+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) !"9!@>*?!!@>@A!B;
K17&'L'-76-%&!D%67&1%+$3>!Z.#1-!N60-JJ
G&$&-'H5!,&1%#'+$3>!/5$-1!D5&.Q5#J5-'-;!,-$55-7.!
!
! "#$L#//#.'; $D%' %#$C /03#&.0%+$*' 751.$"'.$71*"$%($())#&$0%.$.%12#/%.$'/2$%"#$*(771/0%+9$, 1%
0%"'.$'$5#&05"#&+9$20.*(//#*%0/4$0%)&(7$/#04", (&0/4$*(771/0%)#.8$K'&0#%%'$.<1'&#$"'.$'7'>0/4$
(55(&%1/0%)#.$)(&$)((2$'/2$*(771/0%+8$!"#$7'0/$5&(,6#7$"#&#$0.$%"'%\"#$(/6+$;'+$\%($'**#..$\"#$
.<1'&#$'/2$L#//#.'; $D%' %#$C /03#&.0\+$0.$, +$*'&$'/2$\""*\%\"#$\", ($6(*'\%0(/.$'\&#$0.(6'\%#28$
!"&(14"$\"#$&#.#'&*"$()$\"#$5.+*"(6(40*'6$'.5#*\%.$()$.5'*#9$*'.\%.\%120#.$'/2$5.+*"(6(40*'6$'
&#.#'&*"$'&\%0*6f.8$?e3#$)(1/2$\"#$7'0/$5&(,6#7.$)(1/2$\0/$\"#.#$1&,'/$'\&#'.$'(\%8\"#\$0.$)(\%2\%'')\%\$.1*"$'.$
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)3-:#"\$%&'L\$#60.02'#%?'75:3&,5+0-\$#'P3".#,\$.5'A#.02 !
"#\$%&(a!+,-'.&%%-!/0&1%!2&1%&'3
456'\$7-89!:#0&;<&'!=) !"9!=>**?!!=>@A!B;
K17&'L'-76-%&!D%67&1%+\$3>!M&1'8!45-.
G&\$&-'H5!,&1%#'+\$3>!P&0.1!C.%%1&'
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'/'6+>0/4\$2'%'\$)&(7\$'\$.'756#\$()\$E9MMM\$%(5\$!; 0%*''\$.%&#'7#&.\$(3#&\$%''#\$*(1&.#\$()\$'\$+#'&8\$L#+\$
3'&0',6#.\$0/*612#\$)(66(; #&\$*(1/%\$'3#&'4#\$30#; #&."059\$*(/%#/%%+5#9\$.%&#'70/4\$.*''#216#9\$'120#/*#\$
0/%#&'*%0(/\$7#%&0*.9\$'/2\$2#7(4&'5"0*\$0/)(&7'%0(/8\$Y#\$"+5(%"#.0>#\$'\$5(.0%03#\$'%0(/."05\$
,#%; ##/\$)(66(; #&\$*(1/%'/2\$'3#&'4#\$30#; #&."059\$.144#.%0/4\$%''%.%&#'7#&.\$; 0%''\$"04"#&\$'3#&'4#\$
30#; #&."05\$'&#\$7(&#\$60-#6+\$%(\$'%%&'*%'\$7(&#\$.04/0)0*'/%)(66(; 0/48\$: 220%0(/'66+9\$%''#\$&#.#'&*''\$
'/%0*05'%#.\$%'''%)'*%(&.\$.1*''\$'.\$*(/%#/%%+5#9\$'120#/*#\$0/%#&'*%0(/9\$'/2\$30#; #&\$2#7(4&'5"0*.\$; 066\$

F9E] N9NEE\$(, .#&3'%0(/.8\$?/\$'220%0(/\$%(\$&'*#9\$3'&0',6#.\$.1*''\$'.\$'4#9\$4#/2#&9\$'/2\$#21*'%0(/\$6#3#6\$; 066\$, #\$0/*612#2\$0/\$%''#\$'/'6+.0.\$; ''#/\$'..#..0/4\$%''#\$'%0(/.''05.\$; 0%''\$7#/%'6\$''#'6%''\$.#&30*#\$ 1%060>'%0(/8\$W1&\$2'%'\$'/'6+.0.\$0/\\#/2.\$\%(\$02#/\%0)+\$\\&#/2.\$0/\$7#/\%'6\$''#'6\\''\$.#&30*#\$'**#..\$'7(/4\$20))#&#/\\%&'*0'6\$4&(15.8\$T&\#6070/'&+\$\&#.16\.\$0/20*'\\#\$\\'''\\\$7'&40/'60>\#2\$\&'*0'6\$4&(15.\$\\$7'+\\$

E%'E,&3"\$./-\$+'E::"3#+/'43"'U:.\$-\$W\$%&'K,33?'!"#%2#+.\$3%2'\$%'A0&\$3%2'R\$./'9+#"+0' L3%#.\$3%'A#.02

"#\$%&\le!+,-'.&%%-!/0&1\\dak1\\&!3

456'\$7-89!:#0&;<&'!=) '"9!))>**!?!))>@A!-;!

C'-76-%&!D%67&1%+\$3>!/J!S'<.!E&JY-'\$.

G&\$&-'H5!,&1%#'+\$3>!,-'.-!I-J&'#9!\.1!\.9! c! G#<&'%!P&8\$&'

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: 6>"#07#&_.$20.#'.#$0.$'$/#1&(6(40*'6$20.(&2#&$%"'%0.$5&(4&#..03#$'/2$*"'&'*%#&0>#2$, +$4&'21'6$
2#4#/#8' %0(/$()$, &'0/$*#66.$&#.16%/4$0/$2#*60/#$()$*(4/0%)(/9$7#7(&+9$'/2$, #'''30(&$: **(&20/4$%($
%''#$\/`%0(/`6$?/.%0%1%#$()$: 40/49$: 6>''#07#&.$20.#'.#$0.$*1&&#/%6+$&'/-#2$\%''$6#'20/4$*'1.#$()$
2#' %''$0/$%''#$C/0%#2$D%' %#. 8$W1&$&#. #' &*''$(, @#*\03#$0.$\($, 1062$' $*(66#*\0(/$()$2' %', '. #.$)(&$)1&\''#&$
: 6>"#07#& .$20.#' .#$&#.#' &*"8$! "0.$*(75&#"#/.03#$*(66#*%0(/$0/*612#.$3' &0(1.$2'%' ,' .#.$)&(7$, (%"$
*60/0*'6$'/2$.*0#/%0)0*$5#&.5#*%03#.8$!"#$203#&.#$*(66#*%0(/$()$2'%','.#.$&'/4#.$)&(7$%"#$
?/%#&/`%0(/`6$: 6>''#07#& .$' /2$$#6'%#2$[#7#/%)`.$$#.#'&*''$5(&%)(60($%($%''#$V'%0(/`6$: 6>''#07#& .$
Q((&20/'%)/4$Q#/%#&$' 7(/4$(%''#&.8$! ''#.#$2'%', '.#.$' &#$%''#/$*6'..0)0#2$0/%($*' %#4(&0#.$, '.#2$(/$
%''#0&$,0(7'&-#&.9$2&14$2#3#6(57#/\%$4#/#\%^$&#.#'&*''9$'/2$7'/+$(\%''#&$*'\%#4(&0#.&$! ''#$4('6$()$\%''0.$
&#.#'&*''$0.$%($'02$7#20*'6$5&()#..0(/'6.9$&#.#'&*''#&.9$'/2$5'''&7'*#1%0*'6$*(75'/0#.$; 0%''$3'61',6#$
2'%'$%($075&(3#$: 6>"#07#&_.$20.#'.#$%&#'%7#/%$#'&6+$2#%#*%0(/.9$'/2$0/%#4&'%0/4$2##5$6#'&/0/4$
' 5560*' %0(/.$1.0/4$%''#.#$2'%', '.#$''(62.$%''#$-#+$%($1/6(*-0/4$5' %%#&/.9$5&#20*%0/4$20.#'.#$
5&(4&#..0(/9$'/2$#/"'/*0/4$20'4/(.%0*.8!
!/0'1-:#+.'34'E?<0"2#"$#,'E..#+J2'3%'A0-3.0'90%2$%&'E::,$+#.$3%2
"#$%&(!==!+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) '"9!)*>**!?!)*>@A!-;!
K17&'L'-76-%&!D%67&1%+$3>!D-1`-8Q'.$51-1!G-0.Q6;-'
G&$&-'H5!,&1%#'+$3>!P- .!S;.16J!b$J-!c !G-0.!P6;-'!G#L-11-L-'.
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′5560*′%0(/.8$G(; #3#&9$%''#$&(,1.%/#..$()$%''#.#$.+.%#7.$0.$*''′66#/4#2$,+$′23#&.′&0′6$′%%'*-.$
2#60, #&' %#$7' /0516' %0(/.$()$0/51%2' %' $%"' %6#' 2$7' *"0/#$6#' &/0/4$7(2#6.$%($70.*6'..0)+$(&$)' 06$%($
' 23#&.' &0' 6$5#&%1&, ' %0(/.9$)(*1.0/4$(/$2'%' .#% $2#.04/#2$)(&$(,@#*%*6' ..0)0*'%0(/$0/$&#7(%#$
.#/.0/4$*(/%#=%.8$Y#$; 066$0756#7#/%'23#&.'&0'6$\;\#*"/0<1#.9$.1*"$'.$\;\#$R'.\$H&'20#/\$D04/$
K#%" (2$IRHDK J9$%($.+.%#7' %0*' 66+$*(75&(70.#$2#%#*%0(/$' **1&' *+8$?/$5' &' 66#69$; #$; 066$2#3#6(5$
′/2$#3′61′%#$2#)#/.#$7#*''′/0.7.9$0/*6120/4$′23#&.′&0′6$%&′0/0/49$%($#/''′/*#$.+.%#7$&#.060#/*#8$
! "#$)0/20/4.$; 066$02#/%0)+$\"#$075'*\$()\$'23#&.'&0'6\$'\\"*-.\$(/\$\"#\$7'*\"0/#\$\#'\&/0/4\$7(2#6e.\$
5#&)(&7'/*#$'/2$5&(302#$&#*(77#/2'%)(/.$)(&$.%&#/4%\\#/0/4$\\\\#$.#*1&0%+$'/2$&#60',060%+$()$
&#7 (%#$.#/.0/4$%#*''/(6(40#.8$! ''0.$; (&-$'07.$%($*(/\&0,1\%#$\($\\"#$2#3#6(57#/\\$()\$7(\&\#\$.#*1\&\#\$
7'*"0/\#\$6\#' \& 10/4\$. + .\%\#7 .9\$; 0\%"\$07560*' \%0(/.\$)(\&\$075\&(30/4\$, (\%'\$51, 60\$' /2\$5&03' \%\$.')\#\\$
0/)&'.\&1*\1\&#.\$
>0<0"#&$%&'#'>#"&0'>#%&*#&0'P3?0,'.3'G-:3R0"'1%43"-#,')#"0.#J0"2'34'H03:,0'R$./'
L0-0%.$#'
"#$%&(!)=!+,-'.&%%-!/0&1%!2&1%&'3
K17&'L'-76-%&!D%67&1%+&3+8!TJ-1.'-1
G&$&-'H5!,&1%#'+$3>!q.186&!^5-1&!,#76B&!$7&F68.
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A#''' 30(&'6\$. + 75%(7.\$()\$: 6>''#07#&e.\$[0.#'.#\$'/2\$S#6'%#2\$[#7#/%'.\$1:[S[J\$'&#\$2#%&07#/%'6\$%(\$, 1.4%)])))

Q'&20(3'.*16'&\$20.#'.#\$IQU[J\$0.\$'\$6#'20/4\$*'1.#\$()\$7(&,020%+\$'/2\$7(&%'60%+\$;(&62;02#9\$
&#.5(/.0,6#\$)(&\$70660(/.\$()\$2#'%''.\$'//1'66+\$'/2\$56'*0/4\$077#/.#\$5&#..1&#\$(/\$''#'6%''*'&#\$.+.%#7.8\$
P'&6+\$20'4/(.0.\$'/2\$#))#*%03#\$7'/'4#7#/%\$()\$*(/20%0(/.\$60-#\$*(&(/'&+\$'&%#&+\$20.#'.#\$IQ:[J\$'&#\$
*&1*0'6\$)(&\$5#/%0/4\$.#3#&#\$(1%*(7#.\$.1*'\\$'.\$''#'&%\$)'061&#\$'/2\$7+(*'&20'6

H"3-3.\$%&'1%+,*2\$3%'\$%')560"20+*"\$.5'#%?'G-:3R0"\$%&'./0'O0Q.';0%0"#.\$3%I'>0223%2' 4"3-'V9B_2';0%)560"')#-: '
"#\$%&(!))

[V: \$'0&\$7#*''' /0.7.\$' &#\$*&0%*'6\$0/\$7'0/%'0/0/4\$4#/#%0*\$.%',060%+9\$; 0%''\$.5(/%'/#(1.\$ 71%'%0(/.\$(**1&&0/4\$,#%; ##/\$EMuO\$'/2\$EMub\$%07#.\$2'06+\$21#\$%(\$#/2(4#/(1.\$'/2\$#=(4#/(1.\$')**(&.8\$! "0.\$&#.#'&*''\$)(*1.#.\$(/\$%''&##\$5&07'&+\$[V: \$'0&\$5'%''; '+.f\$K0.7'%*''\$S#5'0&\$ IK K SJ9\$A'.#\$P=*0.0(/\$S#5'0&\$IAPSJ9\$'/2\$[(1,6#BD%&'/2\$A&#'-\$S#5'0&\$I[DASJ9\$#'*''\$0/3(630/4\$ 3'&0(1.\$#/>+7#.\$%'''\$&#*(4/0>#\$'/2\$*(&&#*%\$[V: \$2'7'4#8\$! "#\$.%12+\$0/3#.%04'%#.\$%''#\$.%',060%+\$()\$

+\$#(>'%.*5"3)"..%)"3*'"?*@'&.*<.A.9\$6&."(!!

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5"39)-7 !!!

 $!/0'Gi^*\#,\$.5'=\#\%.\#25I'GQ:,3"\$\%\&';0\%?0"'./"3^*\&/'./0'=\#\%4\$+.\$3\%'>\$.0"\#"5'P3<0-0\%!T'-J!"'&\$\&1\%-\%.\#!\UV,V!W.J\$\#1!D\%67\&1\%!2&\\BME\&J!\#\;3

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: %80%. \$*(\$)0*%0(/\$''#65.\$1.\$#=56(&#\$5'&%.\$()\$(1&.#63#.\$'/2\$7'-#\$.#/.#\$()\$%''#\$; (&62\$; #\$603#\$0/8\$?%\$ 7'@(&0%+\$()\$5(516'&\$7#20'\$*#/\%'60>#.\$'&(1/2\$(/#\$5'&\%*16'&\$02#/\%\+q\$Y''#/\$+(1\$.#'&*''\$\''&(14''\$ &#.#/%%\''#\$203#&.#\$.5#*%&17\$()\$\''17'/\$#=5#&0#/*#9\$*(1/%#&B*16%1&#\$#7#&4#.8\$W/#\$()\$\\''#\$ 5&07'&+\$7(2#.\$()\$%"0.\$0.\$)'/)0*%0(/8\$?/\$%"0.\$5&#.#/%'%0(/9\$?\$#=56(&#\$%"#\$2#3#6(57#/%\$()\$)'/)0*%0(/9\$)&(7\$EN%"B*#/%1&+\$; (7#/ .\$*61, .\$%(\$%"#\$7(2#&/\$W&4'/0>'%)(&\$! &'/.)(&7'%)3#\$Y(&-.9\$'/2\$ 0/3#.%04'%#\$"(; \$; (7#/\$*&#'%#2\$'\$.5'*#\$; "#&#\$%"#+\$*(162\$#/4'4#\$0/\$%"#\$.'7#\$.#6)B#=56(&'%0(/\$ %' 20%0(/'66+\$())#\$%(\$%''#0&\$7'6#\$*(1/%#&5'&%.8\$C.0/4\$%''0.\$&#.#'&*''9\$?\$'&41#\$%'''%\$2#.50%#\$5(516'&\$ '\$56' *#\$0/\$' *' 2#70*.8\$Y "#/\$2#/0#2\$#4'60%' &0' /\$' **#..\$%(\$"04"#&\$#21*' %0(/9\$; (7#/.\$*61,.\$#3(63#2\$ 0/%(\$' /\$0/)(&7'6\$' *' 2#70*\$*(66#*%03#9\$; "#&#\$20.70..#2\$4&(15.\$*(162\$*(7#\$%(4#%"#&\$%(\$2#3#6(5\$; &0%0/4\$'/2\$60%#&'&+\$'/'6+.0.\$.-066.8\$!''#.#\$*61,.\$,#*'7#\$%''#\$#'&6+\$5&(%(%+5#.\$()\$7(2#&/\$)'/2(79\$; ''#&#\$; (7#/\$/(%(/6+\$5&'*%0*#2\$60%#&'&+\$*&0%0*0.7\$'/2\$*&#'%03#\$; &0%0/49\$, 1%'6.(\$&#B07'40/#2\$)0*%0(/9\$*&#'%0/4\$'\$/#; \$,&'/*''\$()\$60%#&'&+\$*&#'%030%+8\$D0/*#\$%''#/9\$)'/)0*%0(/\$'''.\$*(/%0/1#2\$%(\$ #3(63#\$0/%(\$' /\$0/\&(.5#*\03#9\\$#=56(&' \\03#\\$7#2017\\$1/."' *-6#2\\$, +\\$.(*0#\%' 6\\$."' 70/4\\$\\$1,60."0/4\\$ Ơ' \(\text{\omega}\)(\/.9\\$'\/2\\$*16\(\text{\omega}\)1\&'\6\\$#=

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*' &#)16$*(/.02#&'%)(/$()$%''#$075' *%.$(/$, (%''$.%12#/%.$' /2$#21*' %(&.8$! ''0.$#/' ,6#.$'$/1' /*#2$
' 23(*' *+$)(&$' $. "0)\%0/\$5\80. (/\$#21*' \%0(/\$5(\60*+\$' /2\$5\8' *\%0*#\$\%(; '\&2\$7(\&#\$\"(\60. \%0*\$' /2\$\"17' /0>0/4\$
' 55&(' *"#.9$16%)7' %#6+$*(/\&0, 1\%0/4\$\(\$, \&(' 2\#&\$. + .\\#70\*\$\"' /4\#.\$' /2\$7 (\&\#\$1/03\#\&.' 6\$. (\*0' 6\$
@1.\%)*#8!
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&
                                    @.$3%'67,*'"?*:"(7%$6$9$3, !
!/0'K#,,';#-0N'9#+"$4$+0N'#%?'9J*,,'A#+J2'$%'H"0/$2.3"$+'P023#-0"$+#
"#$%&(!=)!+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) !"9\(\begin{align*} ->**!?!=>@B\(\ell)! !
K17&'L'-76-%&!D%67&1%+$3>!G#L&'!\&#1-'7
G&$&-'H5!,&1%#'+$3>!4&"8!"#F!$
! "#$T(.%*6'..0*$5#&0(2$1: [ $NMMBEOENJ$0/$'/*0#/%$K#.('7#&0*'$; '.$2(70/'%#2$,+$%"&##$20.%0/*%
*16%1&#.f$%''#$! (6%#*9$%''#$K'+'9$'/2$%''#$: >%#*8$! ''#.#$%''&##$*16%1&#.$; #&#$0/%#&*(//#*%#2$,+$
/17 # \& (1.\$'.5 # *\%.\$()\$, (%''$\'' # \$ 5'' + .0*' 6\$' /2\$*(.7 (6 (40*' 6\$; (&62.8\$! '' # \$ * & #' \% (/\$7 + \\'' .\$' .. (*0' \\#2\$)
; 0%"$'66$\"&##$()$\"#.#$5&\#"0.\(&0*\$*03060>'\)(/.\$56'\*#\"#'3+\$#75\"'.0.\$(/\$.'\*\&#2\$'/07'6.\$.1\*\\$'.\$
```

′/′6+>#\$%''#\$2#/%0%0(/\$()\$%''#.#\$0/203021′6.\$0/\$(&2#&\$%(\$2#%#&70/#\$′\$5(..0,6#\$&#′.(/0/4\$,#''0/2\$%''#.#\$ F\$20))#&#/%, 1&0'6\$7#%"(2.8\$D5#*0)0*'66+\$6((-0/4\$)(&\$60/#'&\$#/'7#6\$"+5(56'.0'.\$IZPGJ9\$#302#/*#\$()\$; #&#\$0/.%' /*#.\$()\$0&Ơ' &\$; #' &\$(/\$%''#\$0/203021'6.\$)(1/2\$; 0%''0/\$%''#\$*0.%\$4&' 3#8\$! ''0.\$%#66.\$1.\$%''' %\$ %''#\$0/203021'6.\$, 1&0#2\$0/\$%''0.\$4&'3#\$7'+\$'''3#\$, ##/\$1.0/4\$%''#0&\$%##%''\$)(&\$.(7#%''0/4\$(%''#&\$%'''/\$ *''#; 0/49\$5(..0,6+\$)(&\$0/21.\&0'6\$1.\#\$.1*''\$'.\\$.50//0/4\$\"\&\#'29\$(&\\$\"'\\\\\#+\\$'''2\\$\\$20))\#&\#/\\\$20\\\\\$; 0%"\$)((2.\$%"'%; #&#\$7(&#\$20))0*16%%(\$*"#; 8\$ GQ:,3"\$%&'A3-#%'70#,./'#%?'93+\$#,'9.#.*2'\$%')"0.0I'L0%.#,'G<\$?0%+0'4"3-'10"#:0."# 2' ;"#<05#"?2! "#\$%&()A!+,-'.&%%-!/0&1%!2&1%&' 456'\$7-89!:#0&;<&'!=) '"9!=>**?!!=>@A!B; K17&'L'-76-%&!D%67&1%+\$35UV!Z#\$%&' G&\$&-'H5!,&1%#'+\$BD6\$-1!PV!D;.%5 "!! ! "0.\$&#.#'&*"\$5&(@#*%'07.\$%(\$*(75'&#\$2#/%'6\$5'%"(6(40#.\$, #%; ##/\$#=*'3'%0(/.\$()\$S(7'/\$4&'3#.\$

L08-5' %0*-\$D 70%''8\$?\$* (75' \$%''#\$2' %' \$)&(7\$' \$/#; #&\$#=*' 3' %0(/\$%(\$5(1.\$&#.16%.\$)&(7\$/#' &, +\$)

G&\$&-'H5!,&1%#'+\$**E**>!17#1!NV!\6178 !

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: 55&(=07'%#6+\$EMm\$()\$%"#\$H1'%#7'6'/\$5(516'%0(/\$603#.\$0/\$%"#\$C/0%#2\$D%'%#.9\$; "0*"\$7'-#.\$15\$
]m\$()\$%"#\$G0.5'/0*\$07704&'/%5(516'%0(/\$.0/*#\$FMFE8\$A#%; ##/\$FMMM\$'/2\$FMFE9\$%"#&#\$"'.\$, ##/\$'\$
]]^m\$0/*&#'.#\$0/\$%"#\$H1'%#7'6'/B(&040/\$5(516'%0(/\$?/\$%"#\$C/0%#2\$D%'%#.\$)&(7\$cEM9MMM\$%(\$E8b\$70660(/\$IV(#BA1.%'7'/%#9\$R6(&#.9\$'/2\$A'&&(.(\$FMFFJ8\$! "0.\$<1'60%'%03#\$&#.#'&*"\$#=56(&#.\$%"#\$)'*%(&.\$28030/4\$%"0.\$704&'%0(/\$'/2\$'07.\$%(\$"17'/0>#\$5#&*#5%0(/.\$()\$?/204#/(1.\$H1'%#7'6'/\$

.##-.\$%(\$*6' &0)+\$(/4(0/4\$"0.%(&0(4&'5"0*'6\$2#,'%#\$.1&&(1/20/4\$%"#\$@1.%0)0*'%0(/\$)(&\$%"#.#\$5&(@#*%.8\$! "0.\$.%12+\$1%060>#.\$2(*17#/%.9\$\#.\%07(/0\#.9\\$'/2\\$.5\#*\"\#.\\$)&(7\\$\\"\#\\$C/0\\#2\\$D\\'\\\#.\\$Q(/4\&\#..\\$'/2\\$)(&7#&\$T&#.02#/%\$\$(/'62\$\$#'4'/\$%(\$*(/%#=%1'60>#\$())0*0'6\$.%'%#7#/%.\$'%0/4\$%(\$%''#\$&(6#\$()\$%''#\$ C/0%#2\$D% %#.\$; 0%''0/\$V0*'&'41'8\$?%\$%''#/\$56'*#.\$%''#7\$0/\$*(75'&0.(/\$; 0%''\$6'%#&\$0/%#&5&#%'%0(/.\$()\$ ENbM.\$C8D8\$)(/\$5(60*+\$)&(7\$'18"(&.\$.1*"\$i#))\$A'...9\$S(,#&%L'4#/9\$S(+\$H1%7'/9\$!"(7'.\$! "#\$G#&0%' 4#\$R(1/2'%0(/%\$! "#\$T#&7'/#/%\$T#(56#e.\$! &0,1/'69\$'/2\$! "#\$Y'."0/4%(/\$T(.%\$'&#\$1.#2\$ %(\$(,.#&3#\$6'&4#&\$7#20'\$0/%#&5&#%'%0(/.\$()\$C8D8\$0/%#&3#/%0(/\$21&0/4\$%''#\$%)7#\$5#&0(28\$?/203021'6\$ 51, 60*' %0(/.\$()\$5(60%0*' 6\$' 1%" (&.\$.1*"\$' .\$: /2&#; \$L077#/.9\$Y 0660' 7\$Z#(4&' /2#9\$T#%#&\$L(&/, 61"9\$ '/2\$Q''&0.%(5''#&\$[0*-#+\$'&#\$'6.(\$0/*612#2\$)(&\$%''#\$&(6#\$()\$(,.#&30/4\$5(60%0*'6\$(50/0(/\$()\$)(/\$ 5(60*+\$0/0%0'%03#.\$; 0%"0/\$%"#\$%07#\$5#&0(28\$

\$

9.#.0'#%?'95%+"0.\$2-I'9*4\$2-'\$%'P*&/#,'1%?\$#'./"3*&/'./0'>0%2'34'EJ6#"T29.#.0@ K*\$,?\$%&'H"3M0+.

T'-J! " '&\$&1%-%.#1H'#\$#Y%!4&-:\$3 Z'.7-89!:#0&;<&'!== \$\%9!@>**B\! K17&'L'-76-%&!D%67&1%+**D**33>1%5-!D:.%5! G&\$&-'H5!,&1%#'+\$**}**\$5.1-!M6'L#<.1 !

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K17&'L'-76-%&!D%67&1%+$3>!S67'&8!E&.J5-'
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.' 756#.$\%\#.\%.$&\#3\#'6\#2\$/(\$.\%'\\%.\%0+\$.04/0)0\*'/\\$20))\#\&\#/\*\#.\$,\#\\;\#\/$\\"\\$\\(6\$'/2\$
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0/*(/.0.%#/%5#&)(&7'/*#$*(75'&#2$%($%"#$#=5#&07#/%'6$4&(158$! "0.$5'%#&/$()$&#21*#2$
3' &0' , 060%+$0/$%''#$#=5#&07#/%' 6$4&(15$.144#.%.$%''' %$5&070/4$7' +$''' 3#$*(/%&0, 1%#2$%($7(&#$
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456'$7-89!:#0&:<&'!=) '"9!R>*?!R>@A!!!
K17&'L'-76-%&!D%67&1%+$3>!U.;&1-!\#B& !Z\\\#\\\$1.\\8\!166 !
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17'.*160/#$3.8$)#70/0/#J9$%+5#.$()$#756(+##$,#/#)0%.$1)'706+B)&0#/26+$3.8$)0/'/*0'6$;#66/#..J9$'/2$
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'))#*%@(,$.##-#&.$'%%&'*%)(/$%($'/2$#3'61'%)(/$()$.%'&%15$*(75'/0#.g$IFJ$''(;$2($0/203021'6$
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' 22&#..$%''#.#$<1#.%0(/.9$; #$5&(5(.#$'$F$=$F$=$F$,#%; ##/B.1,@#*%$(/60/#$#=5#&07#/%$1.0/4$
X1'6%&0*.9$; 0%"$'55&(=07' \;\)#6+$\]OM$@(,\$.##-#&.\$\;\)#2\30'\$\T&(60)0*\$\T'&\;\\)05''/\$.\$; 066\$5&(302\$\$
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)3-:"0/0%2$<0'S0#",5'#%?' P3%./,5')3-:#"$23%'.3'B%+3<0"'B%?0",5$%&'P0+/#%$2-2'
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)(1/28$K'&"$+0#62#2$%"#$"04"#. %$%(%'6$*(66#*%)(/9$; "06#$: 141.%$"'2$%"#$"04"#.%$'3#&'4#$%&'."$5#&$
%&059$60-#6+$&#)6#*%0/4$%''#$0/)61#/*#$()$, (%''$%(1&0. 7$'/2$.#'.(/'6$*1&&#/%.8$!''0.$.%12+$''04''604''%.$
%''#$1&4#/%$/##2$)(&$075&(3#2$; ′.%#$7′/′4#7#/%$.%&′%#40#.$0/$''04''B%&′))0*$%(1&0.%$2#.%0/′%0(/.$
60-#$A#60>#$' /2$%''#$Q' &0, , #' /$D#' 8$! ''#$)0/20/4.$.144#. %$%'' '%$0/*&#' .#2$%(1&0.7$' /2$.#' .(/'6$
; #' %''#&$5' %%#&/.$7' +$*(/\&0, 1\%#$\(\$\''#$' **1716' \%0(/\$(\)\$\&'. ''9\$*' 660/4\$)(&\$*(66', (&' \%03#\$#))(&\%.\$0/\$
; '.\#$&#7(3'6$'/2$#/30&(/7#/\%'6$5&(\#*\%)(/$\($70\%4'\#$\\"#$\)75'*\.$(/$*(&'6$&##)$#*(.+.\#7.8$
)/#%&0'$%'90#&"#22'#%?'E,&#0')3<0"#&0'344'./0')3#2.'34'!36#++3')#50N'K0,$W0'$%'
A0,#.$3%'.3')UF1L @'H#%?0-$+ @223+$#.0?'U<0"4$2/$%&'34'A004'=$2/02
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"#\$%&(')e! +-'.&%%-!/0&1%!2&1%&'

456'\$7-89!:#0&;<&'!=) ''9!=>**?!!=>@A!B;
K17&'L'-76-%&!D%67&1%+\$3>!N&0.1!I6!P##1`<&-''8!c!U6J.#!C-<'.&J!'!&j-G&\$&-'H5!,&1%#'+\$3>!4'#8!,6%H5J&'

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.0>#8$Y#$"+5(%"#.0>#2$%"' %8&#5&(21*%)3#B' 4#$)#7'6#$60(/)0."$; (162$*(/.17#$7(&#$(&$6' &4#&$5&#+$
%''' /$7'6#.$()$%''#$.' 7#$' 4#$%($' *<10&#$%''#$#/#&4+$/##2#2$)(&$)&#<1#/%#44$5&(21*%)(/8$G(; #3#&9$
′′)%#&$′/′6+>0/4$%''#$2′%′9$(1&$&#.16%.$202$/(%$.155(&%$\''0.$''+5(%''#.0.8$?\%7′+$0/.\%+′2$,#$\\''\%
)#7'6#$60(/)0."$"'3#$2#3#6(5#2$.%&'%#40#.$%($*(/.#&3#$#/#&4+$&'%"#&$\"'/$&#6+0/4$(/$0/*&#'.#2$)((2$
0/%' -#$%($5(; #&$#44$5&(21*%)(/8$
G440+.2'34'K#+.0"$#,')3--*%$.5'L$<0"2$.5'3%'K00/$<0'70#,./
"#$%&{!=)!+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) '"9!)*>**!?!)*>@A!-:!
K17&'L'-76-%&!D%67&1%+$3>!P-%5'81!D5#'%&JJ9!E&%5-d!&D'<F&D!;;#1$
G&$&-'H5!,&1%#'+$3>!45#;-$!,H/J'#8!
"!!
A##$5(660/'\%)(/$7'...03#6+$.155(&\%.$(1&$)((2$.1556+9$#*(/(7+9$'/2$(3#&'66$,0(203#&.0%+8$Y0%''$)))))
, ##-##5#&.$.##0/4$' /$0/*&#' .#$0/$*(6(/+$6(..#.$(3#&$%\"#$6'.\%)#; $+#'\&.9$)0/20/4$, #\\#\&$; '+.$\($
. 155(&%''03#$''#'6%''$0.$*&1*0'68$: $,##''03#_.$''#'6%''$*'/$,#$'..#..#2$, +$(,.#&30/4$''(; $71*''$''(/#+$0%
5&(21*#.9$'/2$0%0.$; #66$-/(; /$\"'\%)'*\(&.$.1*\\$'.$*607'\\#\$*\\'/4\\$'/2\$5\#.\\0^*02\\$1.\\$075'\\\\03\\$
''#'6%''8$A'*%#&0'6$203#&.0%+$0.$'/(%''#&$5(%#/%0'6$)'*%(&$075'*%0/4$''03#$''#'6%''$%'''%*'/$,#$'/'6+>#2$
%($*&#'%#$; '+.$%($(5%)70>#$7'0/%#/'/*#$'/2$4&(; %''$()$''03#.8$[V:$7#%','&*(20/4$0.$'$7#%''(2$
%''`'%$#3'61'%#.$.%'/2'&20>#2$.#*%0(/.$()$%''#$4#/(7#$%'''%'&'&#$1/0<1#$%($*#&%'0/$.5#*0#.$0/$(&2#&$%($
, ' *%#&0' $5&#. #/%$0/$. ' 756#.$%' -#/$)&(7$%''&##$20))#&#/%, ##''03#.$()$3' &+0/4$' 4#.$' /2$2#4&##.$()$
''#'6%''8$A'*\#&0'6$203#&.0%+$,#%;##/$\"#$''03#.$;066$,#$*(75'&#29$'/2$0\\\0.$#=5#*\\#2$\''^\\\$\"#$\"03#.$
; 0%"$4&#' %#&$, ' *%#&0' 6$203#&.0%+$; 066$, #$(62#&$' /2$"#' 6%"0#&8$K #%" (2.$%($0/*&#' .#$(&$203#&.0)+$%"#$
```

70*&(,0(7#\$*(162\$,#\$2#3#6(5#2\$%(\$5&(7(%#\$"03#\$"#'6%"8\$

```
.′7560/4$%&′/.#*%.$5#&$.0%#8$T6′/%$.5#*0#.$;#&#$&#*(&2#2$'/2$%($)0/2$%''#$203#&.0%+$()$/'%03#$.5#*0#.$
'$D'''//(/$203#&.0%+$0/2#=$; '.$1.#28$: )%#&$1.0/4$%''#$D'''//(/$203#&.0%+$0/2#=$)(&$#'*''$\&'/.#*\$0%
; '.$)(1/2$%'''%$%''#&#$; '.$/(%$'$.04/0)0*'/%$20))#&#/*#$0/$%''#$203#&.0%+$)&(7$#'*''$%&'/.#*%9$%''#$/#=%$
, 1&/#2$' /2$1/, 1&/#2$)0#62.$; 066$''#65$1.$1/2#&.%' /2$; ''#%''#&$5&#.*&0, #2$, 1&/.$' &#$' /$' 55&(5&0' %#$
&#. %(&' %0(/$%#*'' /0<1#$)(&$%''#$)0#62.$0/$%''0.$. %12+$. +. %#78$! ''0.$; 066$' 66(; $1.$%($*&#' %#$' /$#))#*%03#$
7'/'4#7#/\\\\\56'/\\\(\$1.\\\$7(30/4\$)(\&; '&2\\\\
H#"#2$.02'34'O#.$<0':03"&$#'9%#J0'9:0+$02
"#$%&(!=*!+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) '"9!=>**?!!=>@A!B;
K17&'L'-76-%&!D%67&1%+$3>!bJJ8!W&.1 &%J
G&$&-'H5&1%#'+$3>!W5.%1&8!"'&.$$&'
T'&'.0%+.$'&#$5&#3'6#/%0/$'66$4&(15.$()$(&4'/0.7.9$\"(14"$\"#+$'&#$6#..\$; #66$2(*17#/\#2$0/$
&#5%06#.8$D5#*0)0*′66+9$5′&′.0%#.$()$/′%03#$H#(&40′/$./′-#.9$.1*''$′.$%''#$「#L'+_.$,&(; /$./′-#9$
D%(&#&0'$2#-'+0$'/2$%''#$,'/2#2$; '%#&$./'-#9$V#&(20'$)'.*0'%'9$''3#$,##/$''0.%(&0*'66+$
1/2#&.%120#2$, (%''$' *&(...$%''#$CD$' /2$; 0%''0/$H#(&40' 8$?/$%''0.$.%12+9$; #$' 07#2$%($2#. *&0, #$%''#$
5' &' .0%+.$()$716\%056\#$.5\#*0\#.$()$. /' -\#.$\%''\&(14''\$5'\&' .0\%(6(40\*' 6\$20..\#\%0(/.\$()\$)\&\#.''\$' /2\$)6102B
5&#.#&3#2$./'-#$.5#*07#/.8$: *&(..$.#3#/$.5#*0#.$'/2$cb$0/203021'6$./'-#.$.'756#29$(/#$.5#*0#.$()$
5#/%'.%(7029$%; ($.5#*0#.$()$%&#7'%(2#9$%; ($.5#*0#.$()$*#.%(2#9$'/2$Ec$.5#*0#.$()$/#7'%(2#$; #&#$
02#/%0)0#28$[#.*80,0/4$%"#$,0(203#&.0%+$()$5'&'.0%#.$"#65.$1.$,#%#&$1/2#&.%'/2$'/2$*(/.#&3#$%"#.#$
.5#*0#.$0/$%''#$)1%1&#9$'.$; #66$'.$4'0/$'$)1&%''#&$1/2#&.%'/20/4$()$%''#$5'&'.0%(6(40*'6$,0(203#&.0%+$
; 0%"0/$H#(&40'8$
9$::$%&'9+$0%+0I'B%"#<0,$%&'V3-6*+/#_2'P$+"36$#,'P52.0"$02'!/"3*&/'LOE'K#"+3?$%&
"#$%&(!)* !+,-'.&%%-!/0&1%!2&1%&'3
456'$7-89!:#0&;<&'!=) '"9!)>**?!)>@A!B;
```

! "#\$6(/46#')\$50/#\$IT0/1.\$5'61.%&0.\$K 066J\$0.\$'/\$#*(6(40*'66+\$203#&.#\$'/2\$&#.060#/%\$#*(.+.%#78\$G(; #3#&9\$0%.\$&'/4#\$0/\$%"#\$.(1%"#'.%#&/\$C/0%#2\$D%'%#.\$"'.\$.04/0)0*'/%6+\$2#*60/#2\$21#\$%(\$'/%"&(5(4#/0*\$*"'/4#.8\$C/2#&.%(&+\$"#&,'*#(1.\$56'/%.\$56'+\$'\$.04/0)0*'/%&(6#\$

2\$9.019'%*'"?*;.9919'%*F)\$9\$3, "!!

E%#,52\$2'34'K\$%?\$%&'H3+J0.'F#"\$#%.2'34':ka'.3'B%?0"2.#%?'./0'K\$%?\$%**&***%**A**'':ka' OU9k! "#\$%&(!@+,-'.&%%-!/0&1%!2&1%&'3 456'\$7-89!:#0&;<&'!=) '"9!)=>**?!)=>@A!B\; K17&'L'-76-%&!D%67&1%+\$3>!E&%5-18!N-1.&J\$9!U&1\$&**9d***£**8**&****Z*%&-!

C'-76-%&!D%67&1%+\$3>!C.JJ8-1!U&F&%%

G&\$&-'H5!,&1%#'+\$3>!2-'#J!25'&\$%&1\$&1

"!!

! "#\$5]b\$70%(4#/B' *%03' %#2\$5&(%#0/\$-0/'.#\$1K: TLJ\$5'%"; '+\$0.\$'\$.04/0)0*'/%\$56'+#&\$0/\$*#6616'&\$ &#' *\(() (/.\$\(\\$.\&\#..\\$' /2\\$0/)6' 77' \(() (/8\\$\W1\&\\$6',\\$0.\\$0/\\#\&\#.\\#2\\$0/\\$1/2\#\&.\\%' /20/4\\$\\"\\#\\$,0/20/4\\$()\\$5]b\\$ ′65'''\$; 0%''\$/0%&0*\$(=02#\$.+/%''' .#\$]\$IVWD]9\$'-'\$#VWDJ8\$VWD]\$'/2\$5]b\$'65'''\$,0/2\$; 0%''\$/K\$ '))0/0%+\$'/2\$1.0/4\$5#5%02#.\$; #\$"'3#\$5(1.6+\$."(; /\$%"'%5]b\$,0/2.\$.0706'&6+\$; 0%"\$5(&%0(/.\$()\$ %"#\$\/B\%#&70/1.\$\\V!J\\$'/2\\$\"#\\$'1\%(0/\"0,0\%(&+\\$\1: ?\J\\$6((5\\\$\!\"#\&\#\\$\"1\&\&\#/\\%\+\\$\\;\(\\$\-/\(;\/\\$,0/20/4\\$\) '&#'.\$(/\$5]b\$%''#\$Q[\$4&((3#\$'/2\$%''#\$"+2&(5"(,0*\$5'%*''d\$0%0.\$1/-/(;/\$;"0*"\$()\$%''#.#\$0.\$1.#2\$%(\$,0/2\$%"#\$%; (\$((/.\$()\$\VD]\$I\V! 9\$: ?J8\$!; (\$3' &0' /%.\$()\$5]b\$; #&#\$*&#' %#2\$5(1.6+\$%(\$; "'0*"\$.0% \$; 0%"0/\$' \$.#*%0(/\$*(77(/6+\$1.#2\$)(&\$Q[\$4&((3#\$0/%#&'*%0(/.\$'/2\$.04/0)0*'/%6+\$075'*%.\$ "+2&(5"(,0*\$5'%*"8\$T(1.\$&#.#'&*"\$."(:#2\$%"'%\$%"#\$F]E^\$71%'%0(/\$6(:#&.\$,0/20/4\$0/\#&'*\%0(/\$; 0%"\$K: TLB'*%03'%#2\$5&(%#0/\$-0/'.#\$F\$1KLFJ%; "0*"\$, 0/2.\$%(\$%"#\$Q[\$4&((3#\$%(\$,#\$ 5"(.5"(&+6' %#2\$5]b8\$Y #\$"+5(%"#.0>#\$%"' %\$%"#\$hF0b: \$71%' %0(/\$; (162\$/(%\$075' *%\$,0/20/4\$%(\$ K LF\$' /2\$%"' %' *\u03' \u0(/\$; (162\$, #\$.0706' &\s%(\$; 062\s%+5#\s' *\u03#\s5]b\s; "06#\s0/\s*(/\u03a' \u03a' \u0(-\u03a' \u0(-\u03a' \u03a' '6%#&.\$%''#\$Q[\$4&((3#\$0.\$5*%#2\$%(\$'''3#\$6(;#\$',060%+\$%(\$,0/2\$'/2\$'*%03'%#\$KLF8\$Y#\$'''3#\$ 51&0)0#2\$; 062\$%+5#9\$[]E^V\$'/2\$hF0b: \$0/\$'*\03#\$5"(.5"(&+6'\\#2\\$)(&7.\\$'/2\\$'\&\#\$\\#.\\\\0/4\\$''(;\\$'66\\$()\\$ %''#7\$' *\mathreal3' \mathreal4\mathrealK LF9\s16\mathreal7' \mathreal4\mathreal4'\mathreal3' \mathreal4\mathreal4'\mathreal3' \mathreal4\mathreal4'\mathreal4' \mathreal6\mathreal4\mathreal4'\mathreal4' \mathreal6\mathreal4\mathreal4'\mathreal4'\mathreal6\mathreal4\mathreal4'\mathreal4'\mathreal6\mathreal4\mathreal4'\mathreal4'\mathreal6\mathreal4\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\mathreal4'\mathreal4'\mathreal4'\mathreal4'\mathreal4'\mathreal6\mathreal4'\math ! "#. #\$0/.04"%.\$' &#\$075(&%' /%)(&\$#=56(&0/4\$"(; \$5]b\$, 0/2.\$VWD]8!

?/\#&#.\%\/46+\9\$.(7\#\$,'*\#\&0'\\$''\3\#\\$40\#\.\\%\(\\$\#3\\2\#\\$7\+=(*(*\'\6\5\&\#2\)\\\/\#\\$.1*'\\$, ' *%#&017\$0.\$T.#12(7(/'.\$'#&140/(.'\$T: WE\$; "'0*"\$0.\$' /\$(55(&%1/0.%0*\$"17'/\$5'%"(4#/\$%"'% 1.#.\$<1(&17\$.#/.0/4\$%(\$*(771/0*'%#\$%(\$4&(; 9\$; "0*"\$*'/\$, #\$2#%&07#/%'6\$%(\$"17'/.\$; 0%"\$ *(75&(70.#2\$0771/#\$.+.%#7.8\$D%&'0/.\$()\$T: WE\$'&#\$716%B2&14\$&#.0.%'/%B\$'/2\$%''#&#,+\$5(.#\$'\$ $.04/0)0^{*}$ ' /%%'' #&' 5#1\%0*\$*'' 66#/4#8\$\Y #\$\0&.\\\$5#\&\)(\&\7\#2\\$.02\#B, +B.02\#\\$.5(\\\\$5\&\#2'\\%0(/\\$'...'+\\$(/\\$5'\&\\%0'\6\\$) .%' &3' %0(/\$7#20'\$; 0%''\$, V!f-1%56\$\$'/2\$T8\$' #&140/(.'\$T: WE\$(/\$, 06' +#&\$' 4' &\$56' \;\;\#.9\\$; 0\\\\\\ 5(&(1.\$*#66(5"'/#\$6'+#&\$.#5'&'%)/4\$%"#\$%; (\$6'+#&.8\$:)%#&\$'\$cbB''&&\$5'%0(/9\$%"#\$.'756#.\$; #&#\$ #=%&' *%#2\$' /2\$56' *#2\$0/%(\$' \$^MfcM\$&' %0(\$()\$7#%'' ' /(6\$' /2\$; ' %#&\$70=%1&#\$%(\$, #\$' /' 6+>#2\$1.0/4\$ Z0<102\$Q''&(7'%(4&'5"+\$K'..\$D5#*%&(7#%+\$IZQKDJ\$%(\$2#%#&70/#\$%''#\$&(6#\$()\$.#*&#%#2\$ 7#%', (60%#.\$0/\$%''#\$5'\%0(/\$#3'.0(/\$&#.5(/.#\$()\$T: WE\\$: \\$.#*(/2\\$.02#B, +B.02\\$.5(\\\$5\'\\%0(/\\$ '..'+\$; '.\$5#&)(&7#2\$1.0/4\$,V!f-1%56\$\$'/2\$T8\$'#&140/(.'\$(/\$5'&%0'6\$.%'&3'%0(/\$7#20'\$'.\$; #668\$ Q08*16' &\$' 4' &\$, 6(*-.\$*(/%'0/0/4\$\"#\$.5(\%.\$; #&#\$\\%' /.)#&\$\(\\$'\\$.5#*0'\6\\$0/.#&\\B*15\\$5(\&(1.\\$,'.\#\\$) *(/%'0/0/4\$.\;\#\&06#\$5'\&\%'6\$.\%'\&3'\%0(/\\$60<102\\$7\#2017\8\K\#\%',(60\\#.\\$.\#\\&\#\\#2\\$;066\\$20))1.\#2\\$\\"\&(14\\\\$ %"#\$' 4' &\$0/%(\$%"#\$5(&(1.\$, '.#\$()\$%"#\$0/.#&\%\$#=*6120/4\$' /+\$, ' *\#80' \$\&\' 3\#60/4\$\"\&(14\"\\$\:)\\#8\\$cbB\\8\\$ ()\$5'\%0(/\%\\"\#\$60<102\\$7\#2017\\$*(/\%'0/0/4\\$\\"\#\$7\#\%',(60\\#.\\$;\#&\#\\$6',\#64\2\\$'*\#66\\&\#\\\$\#\\#\#\\#\\\a\\$'/2\\$ 1.#2\$)(&\$' /' 6+%0*' 6\$#=5#&07#/%.8\$Y 0%''\$1.#\$()\$%''#.#\$&#.#' &*''\$' 55&(' *''#.9\$; #\$#=5#*%%(\$.##\$20))#&#/% #=5&#..0(/\$()\$7#%',(60%#.\$21&0/4\$5'%0(/\$()\$,V!f-1%56\$!(/\$#0%''#'!"V!-&'6L.1#\$-!(&\$/V!H#\$J. ' / 2\$*(75' &#\$%''#7\$%(\$(1&\$5' %(&+\$' /2\$5&#+\$*(/\&(6.8\$[#\#&70/0/4\$\\"#\$#3'.0(/\$.\&'\\#40#.\$()\$\\"0.\$

```
5&#3#/%#2$5&#+$*#66.$)&(7$7(1/%0/4$'$&#.0.%'/*#$&#.5(/.#9$.144#.%0/4$*((&20/'%#2$,#'''30(&8$
T&#30(1.$2'%'$*(66#*%#2$(,.#&3#2$\"''\$\71\%'\#2$.\&\'0/.$()\$*#&\%'0/$\X1(&17\$\D#/.0/4\$5'\\\''; '+.\$'\&#$
1/', 6#$%($7(1/%'$.0706'&$&#.0.%'/*#$&#.5(/.#9$.144#.%0/4$'$-#+$&(6#$)(&$×1(&17$D#/.0/4$0/$
5&#2'\(\alpha\)(\seta\),\(\seta\)' \*#\(\seta\)! \(\seta\)\(\seta\)'\(\seta\)' \*#\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\seta\)'\(\se
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G&$&-'H5!,&1%#'+$3>!E&1`-;.1!PJ&.19!b-1!4V!Z&'L6$#/19&!256-1!Z&1L!
! "#$4&(; %"$()$H'\$(/$D0$.1,.\&'\#.\$1.0/4$K #\%'6BW&4'\0*\Q\"#70*'6\U'5(&\$[#5(.0\\()(/\$
IK WQU[J$'/2$: %(70*$Z'+#&$[#5(.0%)(/$I: Z[JB4&(; /$: 6FW]$,1))#&$6'+#&.$; '.$'/'6+>#2$)(&$
0%.$075' *\%(/\$*&+.\%' 6\$<1' 60\%+\$' /2\$ZP[\$' 55\60*' \%\(/\8\!\;\(\$\.'\756\#.\$;\0\\'\$EM/7\$' /2\$FM/7\$:\6FW]\$
, 1))#&\6' +#&.\$; #\&#\$#3'\61'\%#2\$\"\&(14\"\$S'\7'\\$.5\#*\&(.*(5+\$'\/2\$)0\%\\/4\$2'\%'\$()\$\\"\#\$PFIG04\"\J\$'\/2\$
: EIZWJ$7 (2#.8$! "#$.' 756#$; 0%"$FM/7$, 1))#&$6' +#&$2#7 (/.\&'\%#2\$.15#\&0(\&\$\&\+.\%'\660/#\$<1'\60\%+\$
; 0%"$"04"#&$S'7'/$0/%#/.0%#.9$/'&&(; #&$R166$Y02%"$'%$G'6)$K'=0717$IRYGKJ9$'/2$7(&#$
.%' ,6#$5#' -$5 (.0%)(/.$' *&(..$%#75#&' %1&#$&' /4#.9$0/20*' %0/4$6(; #&$.%&' 0/$' /2$, #%%#&$%''#&7' 6$
.%', 060%+$*(75'&#2$%($%''#$.'756#$; 0%''$EM/7$, 1))#&$6'+#&$$! ''#$.'756#$; 0%''$FM/7$, 1))#&$6'+#&$
#="0,0%#2$#/"'/*#2$5"(/(/$60)#%07#.9$6(; #&$56'.7(/$2'750/49$'/2$"04"#&$*'&&0#&$*(/*#/\&'\%0(/.9$
; ''0*''$' &#$*&1*0'6$)(&$ZP[ $#))0*0#/*+8$D5#*&(.*(50*$P6605.(7#%+$*(/)0&7#2$%''#$.'756#$; 0%''$
FM/7$, 1))#&\6' +#&\'' .$. 7 ((\"#\8\\ 1\8)' \*#\$' /2\\\"04\\"#\8\\, ' /24' 5\\$5\&(3020/4\$)1\&\\"#\8\$' 23' /\\' 4#.\$)(\&\$
604"%#=%&'*%(/$'/2$#/#&4+$#))0*0#/*+8$!"#.#$)0/20/4.$.144#.%%"'%%"#$.'756#$; 0%"$FM/7$: 6FW]$
, 1))#&$6' +#&$())#&.$.15#&0(&$5#&)(&7' /*#$)(&$H' VB, '.#2$ZP[ .9$5' &%0*16' &6+$0/$;#&7.$()$075&(3#2$
*&+.%' 6$<1'60%+9$%''#&7'6$.%',060%+9$'/2$&#21*#2$2#)#*%$2#/.0%+8$Q(/.#<1#/%6+9$%''#$FM/7$,1))#&$
6' +#&$())#&.$' $5&(70.0/4$5' %"; '+$)(&$2#3#6(50/4$"04"B#))0*0#/*+$H' VB, '.#2$(5%(#6#*\&(/0*\$2#30*#.\$
(/$D0$.1,.\%'\\#.8$
1%+"0#2$%&';*#"?'K#%?'9$W0'.3'L0+"0#20'1%.0"40"0%+0'$%'F[n')3--*%$+#.$3%
"#$%&!(O!+-'.&%%-!/0&1%!2&1%&'
456'$7-89!:#0&;<&'!=) '"9!R>*?!R>@A!-!;
K17&'L'-76-%&!D%67&1%+$3>!!TLJ&<8!c!,-HQ&1_.&!"'&$H#%%
G&$&-'H5!,&1%#'+$E>JJ8!P.5&.
: .$\;\#*''/(6(40#.$\#3(63\#$'/2$/\#; $2\#30\*\.$\$0/\&(21\*\#2\$\"\\#$2\#7'/2\$)(&\$\'.\\$\'/2\$\#60',6\#\$3\#'\0\\$\#B
%(B#3#&+%''0/4$IUFtJ$*(771/0*′%0(/$0/*&#′.#.8$: .$%''0.$2#7′/2$0/*&#′.#.9$%''#$0/%#&)#&#/*#$6#3#6$
0/$%"#$O8NHG>$[#20*'%#2$D"(&%$$'/4#$Q(771/0*'%0(/.$I[DSQJ$,'/2$; 066$0/#30%',6+$0/*&#'.#8$
: /2$%"1.9$%"#$%'.-$()$.(7#"(; $70/070>0/4$%"0.$0/%#&)#&#/*#$,#*(7#.$0/*&#'.0/46+$075(&%'/\%'.$
%07#$5'..#.8$!''0.$&#5(&%$0/3#.%04'%#.$%''#$#))#*%.$()$0/*&#'.0/4$%''#$41'&2$,'/2$.0>#$()$%''#$6(; #&$O8N$
HG>$[DSQ$,'/2$(/$%"#$'2@*#/%*"'//#6$0/%#&)#&#/*#$)&(7$C/60*#/.#2$V'\(\text{\gamma}(/'6\$?/)(\&7'\(\text{\gamma}(/\$))
0/%#&)#&#/*#$6#3#68$! ''#$*'''/4#.$0/$%''#$0/%#&)#&#/*#$6#3#6.$'&#$,#0/4$7#'.1&#2$%''&(14''$5'*-#%$
```

"#\$%&() !+,-'.&%%-!/0&1%!2&1%**3**&'

! "0.\$&#.#'&*"\$#756(+.\$)0/0%#\$#6#7#/%\$'/'6+.0.\$IRP: J\$%(\$

?/\$FMEb9\$%''#\$Y (&62\$Y 06260)#\$R1/2\$(&%#2\$%''^ %%Q''0/^9\$?/2(/#.0^9\$K'6'+.0^9\$%''#\$T''060550/#.9\$!'''06'/29\$'/2\$U0#%/'7\$*(/&0,1%#2\$'&(1/2\$^Mm\$()\$%''#\$#.%07'%#2\$b\$70660(/\$%(/.\$()\$56'.%0*\$%'''%\$ #/%#&\$%''#\$; (&62e.\$(*#'/.\$#3#&+\$+#'&8\$! ''#\$; 02#\$1.'4#\$()\$56'.%0*\$5'*-'40/4\$'''.\$*'1.#2\$.#&0(1.\$ 56'. %0*\$; '. %#\$20.5(.'6\$5&(,6#7.9\$; "0*"9\$0/\$%1&/9\$*&#'%#\$7'...03#\$#/30&(/7#/%'6\$5(661%0(/8\$! "0.\$ %''\&#'\%\\(\$\''\#\#/30&(\/7\#\/\\$0.\\$21\#\\$\(\$\''\#\\$.04\/0)0*'\/\\$6\#3\#6\\()\\$''04\''6+\\$\(=0*\#\70..0(\/.\9*\(\75(.\%0\/4\\$ 7' /' 4#7#/%0...1#.9\$' /2\$' 6%#&' %0(/\$0/\$\"#\$*' &, (/\$20(=02#\$*+*6#8\\$R1&\"#&7 (\\$20.5(.#2\\$5' *-' 40/4\\$ 56'. %0*. \$0/\$7'/+\$*(1/\&0#.\$'&#\$&'+\$&#*+*6#2\$21#\$%(\$\#*''/0*'6\\$5&(,6\#7.\\$'/2\\$.(*0(B\#*(/(70*\\$ 0/*&#'.#2\$21&0/4\$%''#\$QWU?[EN\$5'/2#70*\$21#\$%(\$7(.%5#(56#\$'''30/4\$%(\$&#.(&%%(\$,1+0/4\$,16-\$. %(*-.\$()\$4&(*#&0#.\$' /2\$5#(56#\$2(0/4\$%' -#B(1\%0/.\%#' 2\$()\\$20/0/4\$(1\%\$A1+0/4\\$, 16-\\$.\%(*-.\\$()\\$)((2\\$'''.\\$ '6.(\$6#2\$%(\$%''#\$20.*1..0(/\$()\$(/#\$()\$%''#\$7(.%\$075(&%' /%\$.')#%+\$'.5#*%.\$()\$)((2\$5'*-'40/49\$; ''0*''\$0.\$ 0%.\$0/)61#/*#\$(/\$%''#\$70*&(,0'6\$.''#6)B60)#\$()\$)((28\$!''#&#)(\$,0(2#4&'2',6#\$'/%070*&(,0'6\$5'*-'40/4\$; '.\$0/\&(21*#2\%(\\$*(7, '\%\"0.\\$5\&(,6\#7\\$.(\\$\"'\%\\"\\\$)\B60)\\\$.\(\&0/4\\$()\\$\\"\\\$)((2*'/\\$,\\\\\\$\=\\\\\2\\2\\\\$ *0/4\$%(=0*\$56'.%0*\$; '.%#\$\$: 6%''(14''\$,0(5(6+7#&.\$'&#\$#/30&(/7#/%'66+\$)&0#/26+9\$0/21.%&0'6\$ ' 5560*' %0(/.\$' &#\$&#. %&0*%#2\$21#\$%(\$.#3#&'6\$)' *%(&.\$.1*''\$' .\$%''#0&\$(=+4#/p; ' %#&\$3' 5(&\$, ' &&0#&.9\$ %''#&7'6\$&#.0.%'/*#9\$'/2\$(%''#&\$7#*'''/0*'6\$5&(5#&%0#.8\$R(&\$%''#.#\$&#'.(/.9\$%''#\$&#.#'&*''#&.\$0/\$%''0.\$ 0/*(&5(&'%)/4\$604/0/\$'/2\$"04"\$604/0/B

```
C'-76-%&!D%67&1%<del>2</del>$8<del>1</del>2561 !
G&$&-'H5!,&1%#'+$3>!,65-;;-7!M-$$-1!4-10&&'!c!G-_0-1!I#.H6 !
```

! "0.\$&#.#' &*"\$#/"' /*#.\$%"#\$C/0%&##\$H(E\$<1'2&15#2_.\$*'5',060%0#.\$,+\$0/%#4&'%0/4\$D0716%' /#(1.\$ Z(*'60>'%0(/\$'/2\$K'550/4\$IDZ: KJ\$; 0%"\$h(1\$W/6+\$Z((-\$W/*#\$IhWZWJ\$(, #*%2#%#*%0(/8\$DZ: K\$ 5&(302#.\$#/30&(/7#/%'6\$7'550/4\$,1%6'*-.\$(, #*%&#*(4/0%)(/9\$; "06#\$hWZW\$#/', 6#.\$&#'6B%07#\$ 2#%#*%0(/\$()\$(, #*%.\$; 0%"0/\$\"#\$&(, (%_.\$*'7#&'\$30#; &\$A+\$*(7,0/0/4\$DZ: K9\$hWZW\$\$(, (% W5#&'%0/4\$D+.\#7\$ISWDJ9\$'/2\$Z04"%[#\#*\%0(/\$'/2\$S'/40/4\$IZ?[:SJ\$; 0%"\$'\$S'.5, #&&+\$T0\$c9\$; #\$ '07\$%(\$*&#'\#\$'\$.+.\#7\$\"'\%/(\%(/6+\$7'5.\$\"#\$&(, (%_.\$.1&&(1/20/4.\$,1\%'6.(\$'**1&'\#6+\$02#/\%))0#.\$ '/2\\$6', #6.\$-#+\$(, #*%.8\\$!"0.\$0/\#4&'\#2\\$'55&('*"\\$; 066\\$, #\\$\#.\#2\\$0/\\$'\\$*(/\&(66#2\\$#/30&(/7#/\%\\$(\$ 075&(3#\\$\"#\$H(E_.\\$5(\#/\%)'6\$)(&\\$203#&.\#\$'5560*'\%)(/.\\$.1*"\\$'.\\$.#*1&0\%+9\\&\"*-0/4\\$'/2\\$2#603#&+\$ \%'.-.\\$!

\$

```
O3%@%<#2$<A'$:0%02P' 3%$.3"$%&'B#3?*+0'
"#$%&(!] !+-'.&%%-!/0&1%!2&1%3&'
456'$7-89!:#0&:<&'!=) '"9!O>*?!O>@A!B:
K17&'L'-76-%&!D%67&1%+$3>!S'J-1!C.<$#19!N'&F!\-1L$961$51k76J!N.-JJ#!
G&$&-'H5!.&1%#'+$3>!.65-::-7!M-$$-1!4-10&&' !
! ''0.$5&(@**%0.$2#3#6(50/4$'$7(216#$%'''%*'/$,#$'55#/2#2$%($'/$'1%(/(7(1.$4&(1/2$&(,(%*'5',6#$
r! 80%(/9r$6#3#&' 4#.$%''#$075#&7#' ,6#$/'%18#$()$0HG>$&' 20($)&#<1#/*0#.$ISRJ9$' /2$; '%#&$%($
2#%#&70/#$%''#$&05#/#..$()$5&(21*#8$! ($' *''0#3#$%''0.9$'$)(*1.#2$, &(' 2*' .%$()$#75%+$2'%'$5' *-#%.$' &#$
20&#*%#2$' %'$\&10%(&$3#4#%' ,6#8$R&(7$%''0.$%''#$&#)6#*\#2$&' 20($; '3#.$' &#$0/\#&*#5\#2$' /2$*(75' &#2$
%($%''#$0/0%0'6$' 7560%12#.$()$%''#$, &('2*'. \%d$2#\%#&70/0/4\$*'''/4#.\$0/\$\"#\$5#'-\$' 7560\%12#\$'/2\$5'''. #$
'/46#.8$A+$1%060>0/4$K:!Z:A$'/2$*(75'&0/4$%"#$&#.16%.$%($%"#$7#'/$2'%'$*(66#*%#2$'*&(..$'66$
*'%'6(4#2$)&10%.$'/2$3#4#%',6#.9$'$&#'.(/',6#$#.%07'%#$()$%''#$5&(21*#e.$5#&*#/%'4#$;'%#&$*(/%#/%$
*' /$, #$2#21*#28$C.0/4$%''#$7#' .1&#2$; ' %#&$*(/%#/%' 5560#2$%($' 55&(=07' %#$%''#$&05#/#..$()$%''#$
5&(21*#8!
U:.$-$W$%&'U6M0+.'P#%$:*,#.$3%'#%?';"#2:'H3$%.'L0.0+.$3%'B2$%&'9.0"03')#-0"#
"#$%&(!)a !+,-'.&%%-!/0&1%!2&1%&'3
G&$&-'H5!,&1%#'+$3>!,65-;;-7!M-$$-1!4-10&&' !
P=0.%0/4$&(,(%0*$'&7$.+.%#7.$()\\#/$&\#6+$(/\$5&\#B\\&'0/\#2\$7(2\\#6.$(&\$(5\\#&'\\#\$;0\\"0/\$*(/\\&(66\\#2\$
#/30&(/7#/%.$1.0/4$-/(; /$5(.0%)(/.$(&$)021*0'6$7'&-#&.$)(&$(,@#*%$7'/0516'%)(/8$: 6%''(14''$%''#.#$
7#%"(2.$41'&'/%##$'$*(/.02#&',6#$6#3#6$()$'**1&'*+9$%"#+$'&#$6070%#2$,+$6#/4%"+$\&'0/0/4$
```

```
2#.04/#2$)(&$.'756#$4'%"#&0/4$(/$#=\%'\%#&\#.\%0'6$70..0(/.9$; "#&#$'2'5\%',060\%+$'/2$'1\%(/(7(1.$
(5#&'%)(/.$'&#$*&1*0'68$
$
A363.$+'L"3%0'O#<$&#.$3%'$%')3-:,0Q'!0""#$%2'43"'OE9E 2'9:#+0'GQ:,3"#.$3%
"#$%&()R!+-'.&%%-!/0&1%!2&1%&'
456'$7-89!:#0&;<&'!=) !"9!=>**!!=>@A!B;
K17&'L'-76-%&!D%67&1%+455$\disp\:!$!E'#F1 !
G&$&-'H5!,&1%#'+$&6!-`!S$56'. !c !S;.'!SJ.!S;.'.!,#L5-7-;
W3#&$%''#$5'.%2#*'2#.9$C/7'//#2$: #&0'6$U#''0*6#.$IC: U.J9$'6.($*'66#2$2&(/#.9$''3#$.##/$'/$
15%0*-$0/$5(516'&0%+$0/$, (%''$*03060'/$'/2$4(3#&/7#/%'6$.#*%(&.8$?/$7(&#$&#*#/%$+#'&.9$%''#$1.#$()$
C: U.\$)(\$\$.5' *\#\$\#=56(\$' \%)(/\$'' .\$4' \&/\#\&\#2\$.04/0)0*' /\%0/\%\#\&\#.\%\$*1670/' \%0/\$\V: D: .\$?/4\#/10\%+\$
''#60*(5%#&$(/$K'&.8$Q(/*1&&#/%+9$.()%&(,(%)*$\#*''/(6(40#.$'''3#$2#3#6(5#2$.04/0)0*'/\%+8$
Q"'\&'\*\#&0>#2\$, +\$. ()\%\$#6'\.\%\$7'\\#\&0'6.\$'\/2\$.#<1#\\%'6\$0\)6'\%(\B2\&03\#\\\$(\&\$\\#\/2(\B2\&03\#\\$
' *%1' %0(/9$. ()%&(, (%.$())#&$7' /+$2#4&##.$()$)&##2(7$)(&$0/\&0*' \%#$7(\%(/\8\D()\%&(, (\%0*\$\#*''/(6(40\#.\$
'&#$5&(70.0/4$)(&$/'304'%0(/$0/$*(756#=$%#&&'0/.9$'.$%''#0&$'67(.%$(&4'/0*$7(3#7#/%$'/2$
*''' &' *%#&0.%0*.$' 66(; $%''#7$%($, #$7(&#$' 2'5%', 6#$%'''/$%''#0&$%+50*'6$7#*'''/0*'6$*(1/%#&5'&%.8$! ''0.$
.%12+$'07.$%($2#3#6(5$'$/(3#6$<1'2&15#29$%#/2(/B2&03#/9$.()%&(,(%0*$; '6-#&$0/$*(/@1/*%0(/$; 0%''$
'$2&(/#$)(&$/'304'%0(/$()$*(756#=$%#&&'0/$(/$%''#$.1&)'*#$()$K'&.8$!''#$5&(70.0/4$1/0(/$()$2&(/#$
'/2$; '6-#&$%#*''/(6(40#.$'66(; .$4&#'%#&$&'/4#$()$#=56(&'%)(/$()$K'&._$.1&)'*#9$5&(3#/$0/$%''#$
6070%#2$*((5#&'%)(/$,#%; ##/$V: D: .$?/4#/10%+$"#60*(5%#&$'/2$T#&.#3#&'/*#$&(3#&&$!"#$1.'4#$()$
. ()%&(, (%0*$\#*'')(6(4+$; 066$\#=5'\2$\"0.$&'\4\\$)1&\"\#&\+\\$\R0&.\\9\$'\$5&\#60\70\'\&+\$60\\#&'\\1&\\$\#3&\#30\#; $
;'.\$*(/21*%#2$%($)0/2\$*(77(/\$0..1#.\$; 0%''\$*1&&#/%&(3#&\$2#.04/.\$\$*(/*6120/4\$%'''\%.()\%&(,(%0*\$
6#4.$7'+$70\04'\\#$\"#$\070\#2\$7(,0\60\+\$5&(302\#2\$,+\$;\"\#\6.8\C.0/4\$D(\602\Y(&-.\$)(\&\$][\$2\#.04/\$'/2\$
' /$: &210/($KPH: $)(&$Q}}$*(20/49$'$6070\;#2\$5&(%(\;+5\;$()\$'\$.()\%&(,(\(%\*\$; '6-\;#&\; '.\$\*&#'\;\#2\$?/\$
' 220%(/9$K:!Z: A$D07160/-$; '.$1%60>#2$%($*(/21*%.0716'%)(/.$%#.%0/4$2&(/#$)604''%
*''' &' *%#&0.%0*.$0/$'$K'' &.B60-#$#/30&(/7#/%8; $.#*(/2'&+$'07$()$%''0.$.%12+$; '.$%($*(/21*%'$7(&#$
*(75&#''#/.03#$60%#&'%1&#$&#30#; 8$Y0%''$%''#.#$}0/20/4.9$'$&#30#; $5'5#&$(/$%''#$%#&&#.\&0'6$'/2$
#=&' %#&&#. \&0' 6$' 5560*' \0(/.$()\$2&(/#.\$; '.\$*\&#' \\#2\$; 0\\"\$56' /.\$\(\$, #\$51, 60.\"\#2\#=\\#&/' 66+8\$R1\%1&#\$
; (&-$(/$%''0.$5&(@#*%; 066$'66(; $)(&$7(&#$'23'/*#2$7'/#13#&0/4$; 0%''$\''#$; '6-#&9$'$)166+$
)1/*\%(/'6\$2&(/#\$5&(\%(\%+5#\9\$'/2\$*(771/0\*'\%)(/\$,#\%; ##/\$\\"#.#\$\\; (\$.+.\\#7.\$\(\$'\6\(;\$#))0\*0#/\\$
\#=56(\&'\%)(/\$)
E?<#%+$%&')#%+0"'L$#&%32.$+2'#%?'H#.$0%.')#"0I'7#"%022$%&'9#40'E1'43"'E++*"#.0'
P*,.$-3?#,'70#,./+#"0'93,*.$3%2
"#$%&'!<del>==</del>+,-'.&%%-!/0&1%!2&1%&'3
456'\$7-89!:#0\&;<\&'!=) "9\pm>**!?!=>@A!B;
```

"#\$%&(!) !+,-'.&%%-!/0&1%!2&1%&'3

456'\$7-89!:#0&;<&'!=) !"9!=>**?!!=>@A!B;

K17&'L'-76-%&!D%67&1%+\$3>!P-8J-!S17&'\$#19!P-7&1!E**%**\(\mathbb{E}\)\(\mathbb{F}\)H5&J!2-'J\$%'#;!

C'-76-%&!D%67&1%+\$3>!\-H&8!M-'B&'!c!S11-!SH#\$%-

G&H&1%J8!C'-76-%&7>!W.JJ.-;!G&&7

M.L5!DH5##J!D%67&/J% ★&%5!SJ6Q#

G&\$&-'H5!,&1%#'+\$3>!C-''&%%!M&\$%&'

"!!

'..#..7#/%.8\$G(; #3#&9\$.%'/2'&2\$5&(%(*(6.\$1.#\$'\$)6'%\$#='7\$%',6#9\$; "'06#\$7'%#&/'6\$''#'6%''\$*60/0*.\$
%+50*'66+\$5#&)(&7\$16%&'.(1/2\$#='7.\$1.0/4\$'/46#2\$%',6#.8\$W,@#*%03#.f\$! "'0.\$.%12+\$%#.%.\$%''#\$075'*%
()\$20))#&#/%\$%',6#\$'/46#.\$(/\$',2(70/'6\$'205(.#\$%0..1#\$\"0*-/#..#.\$21&0/4\$5/'/*+8\$K#\"(2.f\$!;#/\%+B\;(\$5'&\%0*05'/\%.\$1AK?z\$]M8bO\$ \$\8c\\$'4#z\$F\8F \$08EJ\$30.0\#2\$\"#\$6',\$21&0/4\$\"#0&\$)0&.\%

! "0.\$.%12+\$#=' 70/#.\$%"#\$' %0(/."05\$, #%; ##/\$%"#\$5&(30.0(/\$()\$0/%#4&'%#2\$7#/%'6\$"#'6\$"\\$'/2\$
.1,.%'/*#\$1.#\$%&#'%7#/%\$'/2\$.10*02#\$5#/%0(/\$.#&30*#.\$0/\$"#'6%"*'&#\$)'*060%#.8\$! "#\$-#+\$&#.#'&*"\$
<1#.%0(/\$'.-.9\$'?.\$%"#&#\$'\$*(//#*%0(/\$,#%; ##/\$())#&0/4\$0/%#4&'%#2\$7#/%'6\$"#'6%"\\$'/2\$.1,.%'/*#\$
1.#\$%&#'%7#/%\$'/2\$%"#\$60-#60"((2\$()\$'\$)'*060%+\$5&(3020/4\$.10*02#\$5#/%0(/\$.#&30*#.ga\$! "#\$
"+5(%"#.0.\$.144#.%.\$%"'%\$)'*060%#.\$())#&0/4\$0/#4&'%#2\$*'&#\$7(&#\$60-#6+\$%(\$5&(302#\$.10*02#\$5#/%0(/\$.#&30*#.ga\$! "#\$
"+5(%"#.0.\$.144#.%.\$%"'%\$)'*060%#.\$())#&0/4\$0/#4&'%#2\$*'&#\$7(&#\$60-#6+\$%(\$5&(302#\$.10*02#\$5#/%0(/\$.#&30*#.\$21#\$%(\$\"#\$0/*&#'.#2\$316/#&',060%+\$())\$*60#/%.\$; 0%"\$21'6\$20'4/(.#.8\$['%'\$)&(7\$
%"#\$V'%0(/'6\$D1,.%'/*#\$C.#\$'/2\$K#/%'6\$G#'6%"\$D#&30*#.\$D1&3#+\$IVBDCK GDDJ\$0.\$1.#2\$%(\$'/6+>#\$\$\"0.\$'%0(/."058\$! "#\$5&07'&+\$3'&0',6#.\$'&#\$; "#%"#&\$'\$)'*060%+\$())#&.\$0/%#4&'%#2\$7#/%'6\$
"#'6%"\$'/2\$.1,.%'/*#\$1.#\$%&#'%7#/%\$'/2\$; "#\"#&\$0\\$5&(302#.\$.10*02#\$5#/%0(/\$.#&30*#.8\$
: 220%0(/'6\$)'*%(&.\$0/*612#\$%"#\$5#&*#/%'4#\$()\$*60#/%.\$; 0%"\$21'6\$20'4/(.#.9\$%"#\$5&(30.0(/\$()\$7#/%'6\$)"#'6%"\$%&#'%7#/%\$%(\$,(%"\$.1,.%'/*#\$1.#9\$'/2\$/(/B.1,.%'/*#\$1.#\$*60#/%.9\$'/2\$; "#\"#&\$\"#\$)

A0,#.\$3%2/\$:'K0.R00%'H"0<#,0%+0'34'L\$2#6\$,\$.5'#%?'A0+0\$<\$%&'./0')@Fff#++\$%0'

"#\$%&(=!+,-'.&%%-\0&1%!2&1%**&**'

K17&'L'-76-%&!D%67&1%+\$378!E&-'7 !c !..H5-&J!4'&.H5J&!

G&\$&-'H5!,&1%#'+\$**B**\$0.1!C.%%**1**&'

!!!

QWU?[BEN\$3' **0/#.\$; #&#\$2#3#6(5#2\$%(\$*#\$%"#\$.5&#'2\$'/2\$.#3#&0%+\$()\$%"#\$30&1.9\$5'&%0*16'&6+\$'7(/4\$316/#&',6#\$5(516'%0(/.8\$T#(56#\$; 0%"\$20.',060%0#.\$'&#\$'%"04"#&\$&0.-\$()\$.#3#&#\$(1%*(7#.\$)&(7\$)&(7\$)&UV?[BEN\$21#\$%(\$1/2#&6+0/4\$"#'6%"\$*(/20%0(/.9\$6070%#2\$'**#..\$%(\$"#'6%"*'	\$'/2\$5(%#/%0'6\$,'&&0#&.\$%(\$5#/%03#\$7#'.1&#.\$60-#\$.(*0'6\$20.%'/*0/48\$[#.50%#\$%"#0&\$316/#&',060%+9\$20.',6#2\$\$0/203021'6.\$7'+\$)'*#\$*"'66#/4#.\$0/\$'**#..0/4\$3'**0/#.9\$.1*"\$'.\$5"+.0*'6\$,'&0#&.9\$\&'/.5(&%'%0(/\$0..1#.9\$(&\$'\$6'*-\$()\$%'06(\$0/)(&7'%0(/8\$: 220%0(/'66+9\$3'**0/#\$"#.0%'/*+\$7'+\$,#\$0/)61#/*#2\$,+\$*(/*#&/.\$',(1%5(%#/%0'6\$.02#\$#))#*%.\$"'&70/4\$#=0.%0/4\$20.',060%0#.8\$! "0.\$.%12+\$0/3#.%04'%#.\$%"#\$&#.#'&*"\$<1#.9%(/f\$r?.\$%"#&#\$'\$'%0(/."05\$,#%;##/\$&#*#030/4\$%"#\$QWU?[BEN\$3'**0/#\$'/2\$,#0/4\$20.',66090#.\$*#="0,0%20))#&#/%\$20.',6642gr\$! "#\$5&07'&+\$'07\$0.\$%(\$'..#..\$; "#%"#&\$0/203021'6.\$; 0%"\$20.',060%0#.\$*#="0,0%20))#&#/%\$3'**0/'%0(/\$5'%#&/.\$'(75'\$%(\$\"(.#\$; 0\"\$'\$).0/46#\$20.',060%+8\$! "#\$#=5#*\#2\$"+5(\"#.0.\$0.\$\%"'%\$5'\#6\\$"'%\$"'%\$"'%\$5"+5(\"#.0.\$0.\$\%"'%\$5'\#6\\$")#\$%"'%\$5"**0/#\$\$\$\"(.#\$; 0\"\$'\$).0/46#\$20.',060%+8\$! "#\$#=5#*\#2\$"+5(\"#.0.\$0.\$\%"'%\$5'\#6\\$"'%\$"'%\$5"''%\$""

075&(3#\$(1%*(7#.8!T'&#/%"(7#\$.')#%+\$#21*'%0(/\$"'.\$,##/\$6'&4#6+\$2&03#/\$,+\$; &0%%#/\$7'%#&0'6.9\$
.1*"\$'.\$5'75"6#%.9\$; "0*"\$6'*-\$#/4'4#7#/%'/2\$'5560*'%0(/8\$! (\$0/\&(21*\psi,#\)''30(\&\psi''/4\psi'/2\psi''556+\psi,#\)''30(\&\psi''')'4\psi'')''2\psi''556+\psi,#\)''**\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0/\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,#\\$0\psi,\\$0\

; #&#\$'...(*0' %#2\$; 0%"\$, #%#&\$X(Z\$.*(&#.\$0/\$%"#\$5"+.0*'69\$5.+*"(6(40*'69\$.(*0'69\$'/2\$.50&0%1'6\$
2(7'0/.\$()\$%"#\$Q0%+\$()\$G(5#\$X(Z\$?/.&&17#/%\$\K\16\%056#\$&#..0(/\$'/'6+.0.\$.\"(; #2\$\\"')\%\$
5#&*#03#2\$.5(1.'6\$.155(&\%; '.\$'\$.04/0)0*'/\%5*\(&\\$()\$X(Z\$I\\$z\$M8]b\\$5\$\\$M8MEJ\\$'**(1/\%/4\$)(&\\$]Em\\$()\$\\"#\$3'\&0'/*#\$0/\\$X(Z\\$.*(&\#.\$')\\#&\\$*(/\&(660/4\\$)(&\\$'4\\$\)**'/*#&\\$\\+5\\9\\$'/2\\&\#'\\%'\\%\\18\\$
T#&*#03#2\$.5(1.'6\$.155(&\%.04/0)0*'/\%+\\#\"''/*#.\\\$\"#\X(Z\\$()\\$\V04\#&0'/\\$; (7\#/\\$; 0\\"\\$, \\#'\.\\%'/2\\$