

"

E : J 1, 2022

"

!"

C

L* < 1 + , " 0 * 1 5 , + (% ' & " J (@ % . 7 " N 2 " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < " S =
 C . X) . & ' & " 9 * < " 0 * % 9 (7 . % ' (+ , (' 2 / " 8 * " " * " \$ % B . & ' (@ + ' . / " * < " 8 * " " * " ; (& 6 (5 , (% . " S =
 H 7 7 (' (* % + , " G < * B (& (* % & " SK
 H 5 5 . % 7 (4 " H V " ; (& 6 (5 , (% + < 2 " C . & * ,) ' (* % " * 9 " + " ^ < (. B + % 6 . " * 9 " > (' , . " \$ E " J . 4) , " O + < + & & 1 . % " = !
 8 * ' (6 . " * 9 " \$ % B . & ' (@ + ' (* % " = !
 G < . , (1 (% + < 2 " \$ % B . & ' (@ + ' (* % " = !
 O . + < (% @ " ==
 J + % 6 ' (* % & " + % 7 " C . 1 . 7 (. & " = K
 H 5 5 . + , & " = K
 H 5 5 . % 7 (4 " Z V " ; (& 6 (5 , (% + < 2 " C . & * ,) ' (* % " * 9 " + " ^ < (. B + % 6 . " * 9 " 8 * % : > (' , . " \$ E " Q (& 6 * % 7) 6 " H @ + (% & " + " = M
 J ') 7 . % " = M
 8 * ' (6 . " * 9 " \$ % B . & ' (@ + ' (* % " = M
 G < . , (1 (% + < 2 " \$ % B . & ' (@ + ' (* % " = P
 O . + < (% @ " FR
 J + % 6 ' (* % & " + % 7 " C . 1 . 7 (. & " FS
 H 5 5 . + , & " FS
 H 5 5 . % 7 (4 " 0 V " ; (& 6 (5 , (% + < 2 " C . & * ,) ' (* % " * 9 " + " ^ < (. B + % 6 . " * 9 " 8 * % : > (' , . " \$ E " Q (& 6 * % 7) 6 " H @ + (% & " + " =
 H 7 1 (% (& ' < + ' * < / " J ' + 9 9 " Q . 1 N . < / " * < " L + 6) , ' 2 " Q . 1 N . < " F =
 8 * ' (6 . " * 9 " \$ % B . & ' (@ + ' (* % " F =
 \$ % B . & ' (@ + ' (* % " F =
 J + % 6 ' (* % & " FK
 H 5 5 . + , & " FK
 H 5 5 . % 7 (4 " ; V " H 7 + 5 ' + N , . " C . & * ,) ' (* % " G < * 6 . 7) < . & " FM
 H 7 + 5 ' + N , . " C . & * ,) ' (* % " U 5 ' (* % & " FP
 H 7 + 5 ' + N , . " C . & * ,) ' (* % " H @ < . . 1 . % ' & " F [
 H 7 + 5 ' + N , . " C . 1 . 7 (. & " * < " \$ % ' . < B . % ' (* % & " 9 * < " ? . " 0 * , , @ . " 0 * 1 1) % (' 2 " KR
 H 5 5 . % 7 (4 " 3 V " J ') 7 . % " J + % 6 ' (* % (% @ " G < * 6 . 7) < . & " K !
 H 5 5 . % 7 (4 " L V " L + 6) , ' 2 " * < " J ' + 9 9 " Q . 1 N . < " J + % 6 ' (* % (% @ " G < * 6 . 7) < . & " K =
 H 5 5 . % 7 (4 " ^ V " H 5 5 . + , " G < * 6 . 7) < . & " KP
 "
 "

**I , C E , N N -
D**

\$"(&"?. "5*(62"*9"U66(7.%'+,"0*,,.@."_\U66(7.%'+,`"*<"_'?."0*,,.@.`]"*1+(%'+(%'+%".%B(<*% 1 .%"

C C R & I C

>?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<"6**<7(%+'.&"+%7" 1+%+@.&"'?. "0*,,.@.A&"6* 15,(+6." I('?'>(',"\$E"+%7"<.,+'7"5<*B(&(*%&"*9"'?. "0,.<2"H6"\"&"+ 1.%7.7"N2" - H c H]a">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<*B.<&..&"'?. "0*,,.@.A&"6.%'+,(d.7"<.&5*%&."*"*,,"<.5* '&"*9"G<*?(N('7"0**%7)6""**<.&)<."6*%&(&'.%'"(15,.1.%'+('%"*9"'?(&"G*,(62"+%7"6* 15,(+6." I('?'9.7.<+,"+%7"&'+'.,+I a">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<+%7"7.&(@%+'7"&'99" I(.,/+1 *%@"*'?.<"'?(%&V"

f 0* 1 1)%(6+.' I('?' 1.1N.<&" *9" '?. "0*,,.@." 6* 1 1)%('2"<.@+<7(%@"+55,(6+N,.,+I "+%7" 5*,(62"+%7"5<*B(7."(%9*< 1+'(*%"+N*)"'<.5* '&('%"+"%7"&)55* '<"*5'(*%&a"

f C.B. I "+55,(6+N,." 0*,,.@." 5*,(6.&" '*'. %&)<.(%&'(')'(*%+," 6* 1 5,(+6." I('?' +55,(6+N,." 9.7.<+,"+%7"&'+'.,+I a"

f Q*(('*<'?'." 0*,,.@.A&" +7 1 (%&'<+'(*%" *9" ('&" * I "% +55,(6+N,." 5*,(6.&"' (%6,)7(%@"<.6* <7" Y..5(%@"/+7?<. %6."*"*(1.9+ 1.&"/+"%7"*'?.<"5* <6.7)<+,"<.X)<. 1.% '&a"

f 0**%7)6""<+(%@"<.@+<7(%@">(',"\$E"/<.,+'7"5<*B(&(*%&"*9"'?. "0,.<2"H6"\"&"+ 1.%7.7"N2" - H c H]"/+"%7"G<*?(N('7"0**%7)6""&"7.9(%7."%"?'(&"G*,(62a"

f C.&5*%7""*"+%2"<.5* '<"<.@+<7(%@"6**%7)6""'++' 1+2"B(*,+'.'?'(&"G*,(62a"\$%""?(&"6+5+6('2/'?'." 0(B("C@?'&"D">(',"\$E"0**<7(%+'*<" I(.,"*B.<&.."'?. "<.&5*%&."*"/+"%7"<.&*,)('%"*9"&)6?" +,,.@.7" 1 (&6**%7)6"/" 7<.6" '?. " 5<*B(&(*%" *9" +%2"<. 1.7(+," +%7" 5<*'.6'(B." 1.+&)<.&" \(%6,)7(%@"*B.<&(@?'*"9"'?. "9+,<."*" "+N(7."N2"+%('%'<(1 "5<*'.6'(B." 1.+&)<.]"/+"%7" 1 *%('*<'?'." +7 1 (%&'<+'(*%"*9"+%2"<.X).&"'9* '<".B. I "*9"'?. "9(%7(%@a"

>?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<" 1+2" 7.,.@+'."<.&5*%&(N,(('.&")%7.<"'?'(&"G*,(62" '* 7.&(@%+'7"+7 1 (%&'<+'*<&" *<".4'<.<+," 5<*9.&&(*%+,&/" I ?* I (" ?+B." +55<*5<(+.' '<+(%@"+"%7g* <".45.<(.%6.a" c ?.%")&.7"(%"'?(&"G*,(62/'?'."< 1 "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<" 1+2"(%6,)7." +%" +55<*5<(+.'7.&(@%..a">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<A&"6*%' +6""(%9*< 1+'(*%&('&"

H,.4+%7<+"L),6?<."
H^0"C** 1"!!!
\S#S]#F[:!SSP
+9),6?<h *42a.7)"

P A P

>?. "0*,,.@."(&"6* 1 1 ('.7""*"'?. "5<.B.%'(*%"*9"G<*?(N('7"0**%7)6""?<*)@?' 1+%7+'7"/<.@),+<"/+"%7" *%@"*%@" .7)6+'(*%" +%7" +I+<. %&&" 5<*@<+ 1 &a" \$%6* 1 (%@" &')7.% '&" +%7" % . I " . 15,*2..&"<.6.(B." 5<(1 +<2"5<.B.%'(*%" +%7"+I+<. %&&"5<*@<+ 1 1 (%@" +&"5<'"*9"'?. (<"*<(.%'+('%" +%7"<.)<(%@"&')7.% '&" +%7"6)<.%'" . 15,*2..&"<.6.(B." *%@"*%@"<+<(%@"+"%7"<.,+'7".7)6+'(*%a"

A R

>?(&"G*,(62" (&" 1 +(%'+(%7"N2" '?. "0(B("C@?'&"D">(',"\$E"U99(6.a">?. "0*,,.@." I(.,<.B. I "'?(&" G*,(62"*%"+,". +&"+"%"+%%)+"N+&(&a">?. "<.B. I I (","6+5')<." B*,B(%@" ,.@+,"<.X)<. 1.% '&"/.B+),+'.' '?'." &)55* '<'&" +%7"<.&*)<6.&" +B+,(+N,." *' 5+<('&"/+"%7" +&&.&&"'?. ".99.6'(B.%&&"*9"'?. "<.&*),('%" 5<*6.&&a">?. "<.B. I "B(2.24575".



P

>?(&"G*,(62"+55,(.&"*"+,,<.5*<'&"*9"G<*?(N('7"0*%7)6'"<.6.(B.7"*%*"*<+9'.<"'?.99.6'(B."7+'. "*9'
'?(&"G*,(62a"\$9"'?. "+,,.@.7"G<*?(N('7"0*%7)6'"*66)<<.7"N.9*<."?'?.99.6'(B."7+'. "*9"'?(&"G*,(62/"
+55,(6+N,.7.9(%('*%&"*9"1(&6*%7)6'"(%0*,,.@.5*(6(.&"(%".4(&'%.6."+'"?."(1."*9"'?.6*%7)6'"I(,,"
N.")&.7"'*"'?. ".4'.%'"'+"'?.2"6*%9,(6" I('?"7.9(%('*%&"*9"'<1&"(%"'?(&"G*,(62a">?. " ^<(.B+%6."
G<*6.&&.&")%7.<"'?(&"G*,(62" I(,,"N. ")&.7"'*"(%B.&'(@+'. "+%7"<.&*,B. "+,,<.5*<'&" 1+7. "*<"'+"+<."
5.%7(@"*%*"*<+9'.<"'?.99.6'(B."7+'. "*9"'?(&"G*,(62/"<.@+<7,.&&"*9" I?.%'"?."(%6(7.%'\&]"*66)<<.7a'"

>?(&"G*,(62")&.&"'?. ".<1&"6* 15,+(%+%/'"<.&5*%7.%/'"'?(<7"5+<'2/'"+%7" I('%.&&"+"&"9*,,* I&V"

f !"#&'(&())H

f

"

["

f

9"&'+,Y(%@N) "7 .&%*"9+,, " I('?(%""?.">(',\$E"J'+,Y(%@7.9(%('(*%N.6+)&."?'<.5* <'.7"6*%7)6'("& %*"7(<.6'.7"+'""?."+,,.@.7"B(6'(1"*%""?."N+&(&"*9"&.4a"

I"(4;')%+6<=6F&)'(86G'""%+(7+6

; +'(%@B(*,.%6."+&7.9(% .7"(%""?.">(',\$E" ; +'(%@ - (*,.%6. "7.9(%('(*%"+N*B."?'+"7(7"%*" <.5* <'.7,2 *66)<"(%"+5*<@<+ 1"*<"+6'(B('2"*9""?."0*,,.@."(%""?."W%(' .7"J'+'.&a"

I"(4;')%+6<=6F"#+,)'76G'""%+(7+6

; * 1.&'(6" B(*,.%6."+&7.9(% .7"(%""?.">(',\$E" ; * 1.&'(6" - (*,.%6. "7.9(%('(*%"+N*B."?'+"7(7"%*" <.5* <'.7,2*66)<"(%"+5*<@<+ 1"*<"+6'(B('2"*9""?."0*,,.@."(%""?."W%(' .7"J'+'.&a"

>+?5&%6K?S%""&)'""(6

>+Y(%@&.4)+,+7B+%'+@."*9"+%*"?'<.5.<&%*9"<"?'."N.% .9("9"+%2*%."*?'<"?'+"?+"5.<&%* I('?'*)"' ?+'5.<&%*A&"+99(<1+(B."6*%&.%!"/(%6,)7(%@"N)""%*",(1(' .7"*"/+2"*9""?."9*,,* I(%@'+6"V"

>?. "5<*&'(')(%@"*9"+%*"?'<.5.<&%*i"

>?. " '<+99(6Y(%@"*9"+%*"?'<.5.<&%*"/7.9(% .7"+&"?'."(%7)6. 1.% ""*9"+5.<&%*""*5.<9* <1 "+ 6* 1 1 .<6(+,"&.4"+6"/"*<"+N* <"<&.<B(6.&"/"?<*)@?"9* <6."/9<+)7"/"*<6* .<6(%*i"

>?. "<.6* <7(%@"*9" (1+@.&"/(%6,)7(%@"B(7."* * <5?*" * @ <+5?"/"*<+)7(*" *9"+%*"?'<.5.<&%*A& &.4)+,+6'(B('2"*<'(%'(1+' .5+<'&"/ I('?'*)"'?'+"5.<&%*A&"+99(<1+(B."6*%&.%!"/ (%6,)7(%@"N)""%*",(1(' .7"*"/+2"*9""?."9*,,* I(%@'+6"V"

>?. " 7(&'<(N)'(*% " *9" (1+@.&"/ (%6,)7(%@" B(7."* * <5?*" * @ <+5?2"/"*<+)7(*" *9"+%*"?'<.5.<&%*A& &.4)+,+6'(B('2"*<'(%'(1+' .5+<'&"/(9""?."(%7(B(7)+,"7(&'<(N)'(%@"?'."(1+@.& "*<+)7(*"Y%* I"&"<?&?*) ,7"?+B."Y%* I""?'+"""?."5.<&%*7.5(6'.7"(%""?."(1+@.& "*<+)7(*"7(7 %*" "+99(<1+(B.,2"6*%&.%""*""?."7(&6,*&)<.i"+%7g* <"

>?. "B(I (%@"*9"+%*"?'<.5.<&%*A& &.4)+,+6'(B('2"*<'(%'(1+' .5+<'&"/(%+"5,+6." I ?.<."?'+" *?'<.5.<&%* I *),7"?+B." +<.&+%+N,." .45.6+'+'(*% " *9" 5<(B+62"/ I('?'*)"'?'+"5.<&%*A&"+99(<1+(B."6*%&.%!"/9* <"?'."5)<5* &."*9"+<*)&(%@"* <@<+(92(%@"&.4)+,"7.&(<.a"

!"#S%7')06

H%2"+6""?'+"Y%* I(%@,2"+(7&/"9+6('+' .&/"5* 1 *'.&/"* <".%6*)<+@.&""?."6* 1 1 (&&(*% " *9"G<*?(N(' .7" 0*%7)6""N2"+%*"?'<.5.<&%*a"

>+?6"/6L+(-/+4J&,+ -6F',7/'#'(&)'""(6

_ ; (&6<(1(%+'(*%`" %%"?'."N+&(&"*9"+5.<&%*A& &.4"/&.4)+,"* <(.%'+('*/%@" .%7.<(7.%'(2"/"*<@.%7.<.45<.&&(*% "6+%" +Y." I *5<(1+<2"9* <1 &V""

F',S&/&+6; /+&)#+()6F',7/'#'(&)'""(V" ; (&5+<+'." '<.+ 1 .% ""7(&6<(1(%+'(*%(" &"+%2")% ,+I9), " 7(&'(%6'(*%/"5<.9.<.%6."/""<7.'<(1.% ""*""*%("(%7(B(7)+,"+&"6* 1 5+<.7""*""?'<&""?'+"(&"N+&.7"*% "+%") (%7(B(7)+,A& 5<*'.6'.7" 6?+<+6'.<(&'(6&]"+%7"?'+"V"!]" .46,)7.&"+%") (%7(B(7)+,"9* 1 " 5+<'(6(5+'(*%("i"#]7.%(&""?."(%7(B(7)+,"N.% .9(&"*9i"S]""<.+&""?."(%7(B(7)+,"7(99.<.% '2i"*< =]"*?'<I(&."+7B.<&. ,2"+99.6"&+" .<1/"6*%7('(*%/"* <N.% .9("9"+%")(%7(B(7)+,A& .15,*2 1 .%"/ .7)6+'(*%"/,(B(%@" .%B<*% 1 .%"/"*<5+<'(6(5+'(*%("+"0*,,.@."5<*@<+ 1"*<"+6'(B('2a""

: 5'-6 . /'6 : 5''6 @&/&., #+()V" j)(7" 5<* X)*" ?+<+&& 1 . % " *66)<&" I ? . % &)N1 (&&(*% " '* * <
< . b. 6'(*% "9%) % I . ,6* 1 . "6*%7)6'"(&)"& . 7'" .45,(6(' ,2"*<(1 5,(6(' ,2"/"+&"' ? . "N+&(&"9* <7 . 6(&(*%&
+99. 6'(%@ " + % " (%7(B(7)+,A&" . 7)6+'(*% " \ . a@a/" +71 (&&(*%/" +6+7. 1 (6" &' +%7(%@/" @<+7 . &/"
+&&(@% 1 . % 'ji" . 1 5 , *2 1 . % "' \ . a@a/" ?(<(%@/" +7B+%6. 1 . % ' / " +&&(@% 1 . % 'ji" * <' 5+<'(6(5+'(*% " (% " +
0* , , . @ . "5<*@<+ 1 "*<' +6'(B('2" \ . a@a/"6+1 5)&"?*)&(%@]a

*+)&% '&)' '(6

C . '+,(+(*% " (%6,) 7 . & " +7B . <& . " +6'(*% " '+Y . % " +@+(%&" " + 5 . <&*% " 9* <' 1 +Y(%@ " " + @**7" 9+(?' < . 5* <' " *9
G<*?(N(' . 7" 0*%7)6'"* <'5+<'(6(5+'(%@ " (% " +2"5<*6 . . 7(%@ ")%7 . <' ? (&"G* , (62a"H7B . <& . " +6'(*% " (%6,) 7 . &
6*%7)6'" ' ? + " ' ? < . + ' . % & / " (% ' (1 (7+ . & / " ? +<+&& . & / " 6* . <6 . & / " * <' ? + " ' & . . Y&" '* " 7(&6*) <+@ . " + < . +&*% +N . " .
5 . <&*% " 9* <' 1 " . % @ + @ (%@ " (% " +6'(B('2"5<* . 6' . 7")%7 . <' ? (&"G* , (62a"C . ' + , (+(*% "6+%"N . "6* 1 1 (' . 7"N2"* <
+@+(%&" "+2"(%7(B(7)+, "*<'@<*)5"*9"(%7(B(7)+, & / "%* "b) & " + " 0* 1 5 , +(%+%" * <' C . &5*%7 . % 'a"C . ' + , (+(*% "
7* . & % * " (%6,) 7 . " @**7"9+(?' +6'(*%& , + I 9) , , 2"5)<&) . 7"(% " < . &5*%& . " * " + < . 5* <' " *9"G<*?(N(' . 7" 0*%7)6'a"
C . ' + , (+(*% " 1 +2"N . "5 . & . % " . B . % " I ? . < . " ? . < . " (& " +9(%7(%@ " *9 _ % * < . &5*%& (N(, ('2" I (' ? " < . &5 . 6' " * " ? . "
+ , , . @ + ' (*% & *9"G<*?(N(' . 7" 0*%7)6'a"

!
> ? . " 0* , , . @ . " I (, " +Y . " (1 1 . 7(+ . " + % 7" < . &5*%& (B . " +6'(*% " * " + % 2" < . 5* <' " *9" < . ' + , (+(*% " + % 7" I (, " 5) <&) . "
7(&6(5,(%+<2" +6'(*% " +& " +55<*5<(+ . 'a" H%" (%7(B(7)+, < . 5* <' (%@ " G<*?(N(' . 7" 0*%7)6'" (& " . % ' (, . 7" '* "
5<* . 6'(*% "9<* 1 " + % 2"9* < 1 " *9" < . ' + , (+(*% "9* , , * I (%@ " + < . 5* <' " ? + " ' (& " 1 +7 . " (%@ **7"9+(?' / " . B . % " (9" ? . "
< . 5* <' (& " , + . < % * " 5<*B . % a "

H&" .45,+(% . 7"N . , * I / " 6* 1 5 , +(% '& " *9" 7(&6<(1 (%+(*% / " ? +<+&& 1 . % " * <' < . ' + , (+(*% " 1 +2" + , &* " N . " 1 +7 . "
I (' ? " ? . " U99(6 . " 9* <' 0(B(, " C(@ ? '& " 9* <' ? . " ; . 5+<' 1 . % " *9" 37)6+'(*% " _ U0C`ji" ? . " 0+ , (9* <' (+
; . 5+<' 1 . % " *9" L+(<' 3 1 5 , *2 1 . % " + % 7" O*)&(%@ " _ ; L3O`j" * <' ? . " 9 . 7 . < + , " 3X) + , " U55* <') (%'2"
3 1 5 , *2 1 . % " 0* 1 1 (&&(*% " _ 33U0`ja"

8.39 : "#%7& ; %\$, #31/9" < / &&

./'N'C'+-6*+%&)' '(, N'\$, 6C06 . + / , " (, 6'(6E5)N' / ') 06

J . 4) + , "* <' < * 1 + % '(6' < . , + (*% & ? (5& " (% " I ? (6 ? " * % . " 5+<' 2" 1 + (% ' + (%& " k " + % 7" 9+ , & " * " 5 < * 1 5 ' , 2" < . 5* <' " + % 7"
7(&6*% '(%) . " k " + " 7 (< . 6' " &) 5 . <B(&* < 2" * <' . B+ ,) + (B . " < * , . " * B . < " ? . " * ? . < " 5+<' 2" + < . " & ' < (6' , 2" 5 < * ? (N(' . 7a"
"

C* 1 + % '(6" * < & . 4) + , < . , + (*% & ? (5& " I ? . < . " ? . < . " (& " + 7(99 . < . % '(+ , (% " 5* I . < " * <' +) ? * <' (2" 5 < * 7) 6 . " < (& Y &
9* <' . B . < 2" 1 . 1 N . < " * 9" *) < " 6* 1 1) % (' 2" + % 7") % 7 . < 1 (% . " ? . " 5 < * 9 . && (*% + , (& 1 " * 9" 9+6) , ' 2" + % 7" &) 5 . < B (& * < & a "
\$% " . (' ? . < " 6* % ' . 4' / " ? . ") . X) + , " 5* & (' (*% " * 9" ? . " 5+<' (. & " 5 < . & . % '& " + % " (% ? . < . % " . , . 1 . % " * 9" < (& Y " + % 7" 1 + 2"
< + (& . & . 4) + , " ? + < + && 1 . % " 6* % 6 . < % & " (9" * % . " 5 . < & * % " (% " ? . " < . , + (*% & ? (5" ? + & " ? . " + 6') + , " * <' + 55+ < . % "
) ? * <' (2" " * &) 5 . < B (& . / " . B+ ,) + . / " 6*) % & . , / " 6* + 6 ? / " * < * ? . ? < I (& . " 1 + Y . " 7 . 6 (& (*% & * < < . 6* 1 1 . % 7+ ' (*% &
+ & " * " ? . " * ? . < " 5 . < & * % " (% 6* % % . 6' (*% " I (' ? " ? . (< . 1 5 , * 2 1 . % " * <' . 7) 6+ ' (*% " + " ? . " 0* , , . @ . a "
"

\$9" + % "(%7(B(7)+, "6*% . 1 5 , + . & " N . @ (% % (%@ / " * <' (& " (B* , B . 7" (% / " + & . 4) + , " * <' < * 1 + % '(6' < . , + (*% & ? (5" I (' ? "

. / "N'C') + - 6*+%&)' "(, N'\$, 6O')N6>)5 - + (, 6

<()'##'-&)''(6

_\$%'(1(7+'(*%`(&'?'.)&. "9"(15,(.7''?<.'+&'**B.<6* 1 . "+%7(B(7)+,A&"9<. .7* 1 "9" I (,,"*6?*&." I ?.'?'<" *<" %*"' '*" 5+<'(6(5+'.' (" &.4)+, "+6'(B('2" *<" 5<B(7." 6*%&.%'a" 0*%&.% "' *N'+(%.'7" N2" (%'(1(7+'(*%(&"*"'B+, (7a"

!"+/7''(6

_0* .<6(*%`(&'?'.(15<*5.<")&. "9"5<.&&<." '*6* 15., "+%*?'<7(B(7)+, "'*(('+'.' *<"6*%'(%). "&.4)+, "+6'(B('2"+@+(%&'?'+'7(B(7)+,A&" I (,,"0*%&.% "'*N'+(%.'7''?<*)@?'6* .<6(*%(&"*"'B+, (7a"

0* .<6(*%6+%("%6,)7."+" I(7."<+@."9"N.?+B(*&/'(%6,)7(%@'(%'(1(7+'(*%/' 1+%5),+('*%/'?'<.'+&/'+%7" N,+6Y 1+(,a"H"5.<&*%A&" I *<7&" *<"6*%7)6""+<."&)99

c ? . ' ? . < ' ? . < . & 5 * % 7 . % ' < . + & * % + N , 2 " & ? *) , 7 " ? + B . " Y % * I % ' ? + ' ' ? . " 6 * 1 5 , + (% + % ' I + & " (% 6 + 5 + 6 (' + ' . 7 " I (, " N . " . B + ,) + ' . 7 ") & (% @ " + % * N b . 6 ' (B . " < . + & * % + N , . " 5 . < & * % & ' + % 7 + < 7 a " > ? . " 9 + 6 ' ' ' ? + ' ' ' ? . < . & 5 * % 7 . % ' I + & " + 6 ') + , 2 ") % + I + < . " * 9 ' ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' 2 " (& " (< < . , . B + % ' ' ' * ' ' ? (& " + % + , 2 & (& / " 5 + < ' (6) , + < , 2 " I ? . < . " ' ? . < . & 5 * % 7 . % ' A & " 9 + (,) < . " ' * " + 5 5 < . 6 (+ ' . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' + ' (* % " < . &) , ' . 7 " 9 < * 1 " ' ? . " < . & 5 * % 7 . % ' A & " 9 + (,) < . " ' * " + Y . " < . + & * % + N , . " & ' . 5 & " ' * 7 . ' < 1 (% . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' + ' (* % " * < " I ? . < . " ' ? . < . & 5 * % 7 . % ' A & " * I % " (% 6 + 5 + 6 (' + ' (* % " \ 9 < * 1 " + , 6 * ? * , " * < " 7 <) @ &] " 6 +) & . 7 " ' ? . < . & 5 * % 7 . % ' ' * 1 (& b) 7 @ . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' 2 a " \$ " (& " ' ? . < . & 5 * % & (N (, (' 2 " * 9 . + 6 ? " 5 + < ' 2 " ' * N . " + I + < . " * 9 ' ' ? . " (% ' * 4 (6 + ' (* % " , . B . , " * 9 ' ' ? . " * ' ? . < 5 + < ' 2 " N . 9 * < . " . % @ + @ (% @ " (% & . 4) , " + 6 ' (B (' 2 a " \$ " @ . % . < + , / & . 4) , " + 6 ' (B (' 2 " I ? (, .) % 7 . < " ' ? . " (% 9 ,) . % 6 . " * 9 + , 6 * ? * , " * < " * ' ? . < 7 <) @ & ' 5 * & . & " + < (& Y " ' * + , " 5 + < ' (. & a " \$ 9 " ' ? . < . " (& " + % 2 " 7 *) N " + & " ' * ' ' ? . , . B . , " * < . 4 ' . % " * 9 ' ' ? . " * ' ? . < (% 7 (B (7) + , A & " (% ' * 4 (6 + ' (* % " / " (" (& " & + 9 . & " ' * 9 * < @ * * < 6 . + & . " + % 2 " & . 4) + , 6 * % ' + 6 " * < + 6 ' (B (' 2 a " Z . (% @ " (% ' * 4 (6 + ' . 7 " N 2 " 7 <) @ & " * < + , 6 * ? * , (& " * * 7 . 9 . % & . " ' * + % 2 " B (* , + ' (* % " * 9 ' ? (& " G * , (6 2 " + % 7 " 7 * . & " % " * 7 (1 (% (& ? " * % . A & " < . & 5 * % & (N (, (' 2 " ' * * N + (% 6 * % & . % ' a "

C , P , R R R

8. 'C, 6@k, 17&B31>7%1#", \$"#@D&E17%. /#, 17"1F#9%k=>% . %16%/k

> ? . " 0 * , , @ . " (& " 6 * 1 1 (' . 7 " ' * 5 < * . 6 ' (% @ " ' ? . " 5 < (B + 6 2 " * 9 " + , " (% 7 (B (7) + , & " (% B * , B . 7 " (" ' ? . " (% B . & ' (@ + ' (* % " + % 7 < . & * ,) ' (* % " * 9 < . 5 * < & ") % 7 . < " ' ? (& " G * , (6 2 a " > ? . " 0 * , , @ . " + , & * " (& " 6 * 1 1 (' . 7 " ' * + & & (& ' % @ " & ') 7 . % ' & / " . 1 5 , * 2 . . & / " + % 7 " ' ? (< 7 " 5 + < ' (. & " (% " 1 + Y (% @ " (% 9 * < 1 . 7 " 6 * ? * (6 . & a " c (' ? < . & 5 . 6 " ' * " + % 2 < . 5 * < ") % 7 . < " ' ? (& " G * , (6 2 " ' ? . " 0 * , , @ . " I (, " 1 + Y . " < . + & * % + N , . " . 9 9 * < & " ' * 5 < * . 6 " ' ? . " 5 < (B + 6 2 " * 9 " 5 + < ' (6 (5 + % ' & / " (% " + 6 6 * < 7 + % 6 . " I (' ? + 5 5 , (6 + N , . " & ' + ' . " + % 7 " 9 . 7 . < + , " + I / " I ? (, " N + , + % 6 (% @ " ' ? . " % . . 7 " ' * " @ + ' ? . < (% 9 * < 1 + ' (* % " ' * " + Y . " & ' . 5 & " ' * . . (1 (% + ' . " G < * ? (N (' . 7 " 0 * % 7) 6 " / " 5 < . B . % " (' & < . 6) < < . % 6 . / " + % 7 < . 1 . 7 2 " (' & " . 9 9 . 6 ' & a " H , , " 0 * , , @ . " . 1 5 , * 2 . . & " I ? * * + < . " (% B * , B . 7 " (" ' ? . " 0 * , , @ . A & " > (. " \$ E " < . & 5 * % & . " < . 6 . (B . " & 5 . 6 (9 (6 " (% & <) 6 ' (* % " + N *) " < . & 5 . 6 ' (% @ " + % 7 " & + 9 . @) + < 7 (% @ " 5 < (B + ' . " (% 9 * < 1 + ' (* % a " G < (B + 6 2 " + % 7 " 6 * % 9 (7 . % ' + , (' 2 " ? + B . " 7 (& ' (% 6 " 1 . + (% @ & ") % 7 . < " ' ? (& " G * , (6 2 a "

./'A&706

_ G < (B + 6 2 " @ . % . < + , 2 " 1 . + % & " ' ? + " (% 9 * < 1 + ' (* % " < . , + ' . 7 " ' * " + < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " I (, " * % , 2 " N . " & ? + < . 7 " I (' ? " (% 7 (B (7) + , & " I ? * " _ . . 7 " ' * * Y % * I \ " (% * < 7 . < " * " + & & (& " (" ' ? . " + & & . & & 1 . % ' / " (% B . & ' (@ + ' (* % / " * < " < . & * ,) ' (* % " * 9 " ' ? . < . 5 * < ' a " c ? (, . % * " N *) % 7 " N 2 " 6 * % 9 (7 . % ' + , (' 2 " ' ? . & . " (% 7 (B (7) + , & " I (, " N . " 7 (& 6 . . " + % 7 " < . & 5 . 6 " ' ? . " 5 < (B + 6 2 " * 9 " + , " (% 7 (B (7) + , & " (% B * , B . 7 " (" ' ? . " 5 < * 6 . & & a " > ? . " 5 < (B + 6 2 " * 9 " & ') 7 . % " . 7) 6 + ' (* % " < . 6 * < 7 & " I (, " N . " 5 < * . 6 ' . 7 " (% " + 6 6 * < 7 + % 6 . " I (' ? " ' ? . " L + 1 (, 2 " 3 7) 6 + ' (* % + , " C (@ ? ' & " + % 7 " G < (B + 6 2 " H 6 " \ _ L 3 C G H "] / " + & *) , (% . 7 " (" ' ? . " 0 * , , @ . A & " L 3 C G H " G * , (6 2 a " > ? . " 5 < (B + 6 2 " * 9 " + " (% 7 (B (7) + , A & " 1 . 7 (6 + , + % 7 < . , + ' . 7 < . 6 * < 7 & " 1 + 2 " N . " 5 < * . 6 ' . 7 " N 2 " ' ? . " O . + , ' ? " \$ % &) < + % 6 . " G * < ' + N (, (' 2 " + % 7 " H 6 6 *) % ' + N (, (' 2 " H 6 " \ _ O \$ G H H "] / " . 4 6 . 5 ' (% @ " ? . + , ' ? " < . 6 * < 7 & " 5 < * . 6 ' . 7 " N 2 " L 3 C G H " + % 7 " N 2 " ' ? . " 0 + , (9 * < (+ " 0 * % 9 (7 . % ' + , (' 2 " * 9 " Q . 7 (6 + , " \$ % 9 * < 1 + ' (* % " H 6 " \ _ 0 Q \$ H "] / " 0 + , a " 0 (B a " 0 * 7 . " 1 " F K a R F " . " & . X a " H 6 6 . & & " ' * " + % . " 1 5 , * 2 . . A & " 5 . < & * % . , " < . 6 * < 7 & " 1 + 2 " N . " < . & ' < (6 ' . 7 " N 2 " + 5 5 , (6 + N , . " 0 + , (9 * < (+ " + % 7 " 9 . 7 . < + , " + I a " c ? (, . " ' ? . < . " + < . " 6 . < ' + (% , (1 (' + ' (* % & " * % " 5 < (B + 6 2 " / " ? . " 0 * , , @ . " @ . % . < + , 2 " I (, " * % " < . , . + & . " ? . " % + 1 . & " * 9 " ' ? . " 6 * 1 5 , + (% + % " * < < . & 5 * % 7 . % ' ' * " * " ? . " @ . % . < + , 5) N , (6 " I (' ? *) " . 4 5 < . & & " I < (' . % " 6 * % & . % " * < + N & . % " + % * ' ? . < . 4 6 . 5 ' (* % " 6 * % & (& ' . % " I (' ? " ' ? . " + I a " > ? . " < . , . + & . " * 9 " % + 1 . & " I (, " N . " @) (7 . 7 " N 2 " + 5 5 , (6 + N , . " + I / " (% 6 ,) 7 (% @ " ' ? . " L + 1 (, 2 " 3 7) 6 + ' (* % + , " C (@ ? ' & " + % 7 " G < (B + 6 2 " H 6 " \ _ L 3 C G H "] + % 7 " ' ? . " 0 , < 2 " H 6 ' a " \$ % " + 7 7 (' (* % / " % * " (% 9 * < 1 + ' (* % " I (, " N . " < . , . + & . 7 " 9 < * 1 " + 5 < * 6 . 7 (% @ " ' * " . % 9 * < 6 . " ' ? (& " G * , (6 2 " . 4 6 . 5 " + & " < . X) (< . 7 " * < 5 . < 1 (' . 7 " N 2 " , + I " + % 7 " 0 * , , @ . " 5 * , (6 2 a "

! "(9'-+())'&%')06

_0*%9(7.%'+,('2`" @.%.<+,,2" 1 .+%&" '?+' (9*%<1+'(*%" &?+<.7" N2" +% (%7(B(7)+," I('?" 7.&(@%+'.7" 6+15)&"*<"6* 1 1)%'2"5<*9.&&(*%+,&"6+%%*"N."<.B.+,.7""*"+%2"*'?.<'(%7(B(7)+," I('?*')""?. ".45<.&&" 5.<1 (&&(*%" *9" '?." (%7(B(7)+,a">?. " 6*%9(7.%'+,('2" *9" (%9*%<1+'(*%" &?+<.7" N2" +% (%7(B(7)+," I('?" 7.&(@%+'.7"6+15)&"*<"6* 1 1)%'2"5<*9.&&(*%+,&"@.%.<+,,2"(&"@*B.<% .7"N2"0+,(9*%<%(+,"+I/"(%6,)7(%@" 0+,(9*%<%(+ 3B(7.%6." 0*7."<.&'<(6'(*%&" *%7(&6,*&)<."*9" (%9*%<1+'(*%"N2" 1 .%'+," ?.+,'?" 5<*B(7.<&/" *<7+(% .7" 6, .<@2/" <+5." 6<(&(&" 6*)%&., *<&/" +%7" +' '*<% .2&/" +,, " *9" I ?* 1 " ?+B." ,. @+,,2" 5<*'.6'.7" 6*%9(7.%'+,('2a">?.&." (%7(B(7)+,&"<." 5<*?(N(' .7"9<* 1 "N<.+Y(%@"6*%9(7.%'+,('2")% ,.&&"'?.<." (&"+"

! ,L%M,6L	%2'F9#&,17&A#9%.&8+:S"6& I J ,. %1%/&HC%1#/&

G)N,(6+ I +<. %.&&" .B. % '&"&6?"&"_>+Y. "Z+6Y""?. "8(@?/'/"?" .0,*'?.&,(% . "G<*b.6'/"6+%7,.,(@?"B(@,&/" 5<*'.&'&/"*<"*?'?.<9*<) 1&"(%" I?(6?"6* 1 1)%('2" 1 . 1N.<&"7(&6,*&."(%6(7.% '&"*9'G<*?(N(' .7" 0*%7)6" 7*"%*'"(('%('+'.'?" .0*,,.@.A&">(' ,. "E"*N,(@+'(%&/"(%6,)7(%@"('&"*N,(@+'(%*"'*'"(%B.&'(@+' . "<.5*<'&"*9 &.4)+,"?+<+&& 1 .% "'*<"&.4)+,"B(*, .%6.a" J)6?" .B.% '&" 1+2/" ?* I .B.</"(%9*< 1 "'?' .% . .7"9*<"6+ 15)&: I(7. " .7)6+'(%%+," +%7" 5<.B.% '(%"% .99*<'&/" +%7" '?' . " 0*,,.@. " 1+2" (15, . 1 .% "' N<*+7" 6* 1 1)%('2" (%('+'(B.&"(%<.&5*%& . "'*%"&6?" .B.% '&" I ?.< . "+55<*5<(+'.a"

==/6&3/+.%/& ; %G+' .%7& : @& ! 9%&B\$% .@& I 6#&

; '#+%06 2 &/(' (8,6

H" _>(1 .,2" c +<%(%"@`" (&" + 6+ 15)&: I(7. "%*'(9(6+'(%%" *9" + &.<(*)&" *<" 6*%'(%)(%"@ "'?<.+ "'*"'? . " U66(7.% '+,"6* 1 1)%('2a">? . ">(1 .,2" c +<%(%"@'7* .&"%*"'"(%6,)7. "7.% '(92(%@"(%9*< 1+'(%%" +N*"'? . " 6* 15,+(%+% 'a"\$9"+<.5*<"*9" 1 (&6*%7)6"7(&6,*&.&+"6*%'(%)(%"@ "'?<.+ "(%B* ,B(%@"*% . "9"?' . "&5.6(9(.7" _0, .<2"6<(1 .&`"'*"'? . "U66(7.% '+,"6* 1 1)%('2/"?' . "0*,,.@. " 1+2"(&&). "+6+ 15)& I(7. "'(1 .,2" I +<%(%"@ \ I?(6?"6+%" +Y. "'? . "9*< 1 "*9"+% . 1+(, "'*"+6+ 15)&]"*5<*'.6"'? . "? . , '?'*<"&+9. '2"*9"'? . "6* 1 1)%('2a"

E((5&6*+\$"/)'(86*+, \$"('C%')'+,6

H,,"?(@? .<. 7)6+'(%%"(%&'(')'(%&"'?'+'<.6.(B. "9.7.<+,"9)%7(%@"(%6,)7(%@"'?" .0*,,.@. /+<."*N,(@+' .7" '*"(&&). "5)N,(6,2"+% "H%)+, " J.6)<'2"C.5*<"'_HJC`]" I?(6?"(7.% '(9(.&"'?' . "%) 1N.<"*9" 5+<'(6),+< <.5*<' .7"6<(1 .&"*%"6+ 15)&"*<"6+ 15)&"5<*5.<'2/"*<"+7b+6.% "'*"+6+ 15)&">? . "HJC"7* .&"%*"'"(%6,)7. " (7.% '(92(%@"(%9*< 1+'(%%" +N*)"'"? . "6* 15,+(%+% "'*<.&5*%7.% 'a"

!/'# +6S"86

H,,"?(@? .<. 7)6+'(%%"(%&'(')'(%&"'?'+'?+B. "6+ 15)&" 5*(6. "9*<6.&"*<"&.6)<'2"7.5+<' 1 .% '&" 1)&" 1+(%'+(%"+7+(,2"6<(1 . ,*@"'?'+'(%6,)7.& .% '<(&"9*<"+, "6<(1 .&"'?'+'*66)<" I('?(%N*?' "'? . " 0, .<2" @. *@<+5?2"+%7" '?' . "6+ 15)&"&+9. '2"9*<6.A&"<.@),+<" 5+<*, "<*)' .a">? . "6<(1 . ,*@" 7* .&"%*"'"(%6,)7. " (7.% '(92(%@"(%9*< 1+'(%%" +N*)"'"? . "6* 15,+(%+% "'*<.&5*%7.% 'a"

R O

B, 0<+/&; %<3.#"1F&A<#"31/&

>?. "0*,,.@"&'<*&@,2". %6*)<+@.&'+,,("%7(B(7)+,&"*"'<.5*<'G<*&?(N(' .7"0*%7)6"'*"'?."0(B,"C(@?'&"+%7">(',\$E"U99(6.a"

! 'A"%6*'8N),6V6;')%+6<=6399'7+6

O+%7,..&'6*15,+(% '&*"9"G<*&?(N(' .7"0*%7)6"'@+(%&'"+%2"(%7(B(7)+,i" I *<Y&" I ('?'*"'? .<"*99(6.&"*%:6+15)&" +&" +55<*5<(+'. " '*" 5<*B(7. "&)55*<'(B. " (%'.<(1" 1 .+&)<.&/" I ?(6?" 1+2" (%6,)7. "6?+%@.&"(%"?*)&(%@/" +6+7. 1(6"9,.4(N,('2"/+%7"%*:6*%' +6"7(<.6'(B.&/" +1 *%@"*"'? .<" 1 .+&)<.&a""

H%2". 15,*2.." 1+2"5)<&)." +%2"6?+<@." *9"7(&6<(1(%+'(*%"*<" ?+<+&& 1 .%" I('?''. "9.7.<+,"

0+, (9* < % (+, + I a > ? . " 0* , , . @ . " I (, , + && (& " + " 6* 1 5 , + (% + % " " % 1 + Y (% @ " + " 6 < (1 (% + , " < . 5* < " + % 7 " 6* * 5 . < + ' . " I (' ? , + I " . % 9* < 6 . 1 . % " + @ . % 6 (. & " (9 " + " 6* 1 5 , + (% + % " " 7 . 6 (7 . & " " * 5) < &) . " " ? . " 6 < (1 (% + , " 5 < * 6 . && " " " ? . " . 4 ' . % " 5 . < 1 (' . 7 " N 2 " , + I a > ? . " 0* , , . @ . A & " G* , (6 2 / " 7 . 9 (% (' * % & / " + % 7 " N) < 7 . % " * 9 " 5 < * * 9 " 1 + 2 " 7 (9 9 . < " 9 < * 1 " 0 + , (9* < % (+ " 6 < (1 (% + , , + I a " H " 6* 1 5 , + (% + % " " 1 + 2 " & . . Y " < . 6*) < & . ") % 7 . < " " ? (& " G* , (6 2 " + % 7 g * < " 5) < &) . " 6 < (1 (% + , + 6 ' (* % a " 8 . (' ? . < , + I " . % 9* < 6 . 1 . % ' A & " 7 . ' . < 1 (% + ' (* % " I ? . ' ? . < " * < " % " " * " 5 < * & . 6) ' . " + < . & 5 * % 7 . % ' / " % * < " ? . " *) ' 6 * 1 . " * 9 " + % 2 " 6 < (1 (% + , " 5 < * & . 6) (* % / " + < . 7 . ' . < 1 (% + ' (B . " * 9 " I ? . ' ? . < " + " B (* , + ' (* % " * 9 " ' ? (& " G* , (6 2 " ? + & * 6 6) < < . 7 a " " "

G < * 6 . . 7 (% @ & ") % 7 . < " " ? (& " G* , (6 2 " 1 + 2 " N . " 6 + < < (. 7 " *) " " 5 < (* " " * / " & (1) , ' + % . *) & , 2 " I (' ? " " * < 9* , , * I (% @ " 6 (B (, * < " 6 < (1 (% + , " 5 < * 6 . . 7 (% @ & " * 9 9 " 6 + 1 5) & a " > ? . " 0* , , . @ . " 1 + 2 " % * " " 7 . , + 2 " 6 * % 7) 6 ' (% @ " (' & * " I % " (% B . & ' (@ + ' (* % ") % , . && " 5 . 6 (9 (6 + , , 2 " < . X) . & ' . 7 " N 2 " " ? . " , + I " . % 9* < 6 . 1 . % " \ . a @ a / " m H G ; j a " \$ % " " ? . " . B . % " " * 9 &) 6 ? " + & 5 . 6 (9 (6 < . X) & ' / " " ? . " 0* , , . @ . " I (, , " 7 . 9 . < " (' & " (% B . & ' (@ + ' (* % " * % , 2 " 7) < (% @ " " ? . " (1 . " ' ? + " , + I " . % 9* < 6 . 1 . % " (& " @ + ' ? . < (% @ " . B (7 . % 6 . / " I ? (6 ? " & ? *) , 7 " % * " " . 4 6 . 7 " ' . % " 7 + 2 & " + N & . % " " . 4 ' . %) + ' (% @ " 6 (< 6) 1 & ' + % 6 . & a " > ? . " 0* , , . @ . " I (, , % . B . < ' ? . , . && " 6 * 1 1) % (6 + ' . " I (' ? " " ? . " 6 * 1 5 , + (% + % " " + % 7 " < . & 5 * % 7 . % " " \ (9 " + 5 5 < * 5 < (+ ' .] " < . @ + < 7 (% @ " > (' . " \$ E " < (@ ? ' & " 5 < * 6 . 7) < + , " * 5 ' (* % & / " + % 7 " " ? . " (1 5 , . 1 . % ' + ' (* % " * 9 &) 5 5 * < (B . " 1 . + &) < . & " " * + &&) < . & + 9 . ' 2 " + % 7 " I . , , : " N . (% @ a " > ? . " 0* , , . @ . " I (, , " 5 < * 1 5 ' , 2 " < . &) 1 . " 9 + 6 ' : @ + " ? . < (% @ " + & " & * * % " + & " (" (& " (% 9 * < 1 . 7 " " ? + " , + I " . % 9* < 6 . 1 . % " " ? + & " 6 * 1 5 , . ' . 7 " (' & " (' (+ , (% B . & ' (@ + ' (* % a " "

Q&%, +6*+\$"/),6

> ? . " 0* , , . @ . " + Y . & " " ? . " + 6 6) < + 6 2 " * 9 " (% 9 * < 1 + ' (* % " B . < 2 " & . < (*) & , 2 / " + & " + " < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " 1 + 2 " ? + B . " & . B . < . " 6 * % & . X) . % 6 . & a " H " @ * * 7 : 9 + (' ? " 6 * 1 5 , + (" " " ? + " " < . &) , ' & " (% " + " 9 (% 7 (% @ " * 9 " % " " < . & 5 * % & (N , . " (& " * " " 6 * % & (7 . < . 7 " + " 9 + , & . " * < " 9 + N < (6 + ' . 7 " < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 ' a " 3 + 6 ? " 5 + < ' 2 " + % 7 " . B . < 2 " I (' % . && " (& " . 4 5 . 6 ' . 7 " ' * " 5 < * B (7 . " ' <) ' ? 9) , " (% 9 * < 1 + ' (* % " " " " ? . " \$ % B . & ' (@ + ' * < / " O . + < (% @ " U 9 9 (6 . < / " + % 7 " H 5 5 . + , & " U 9 9 (6 . < a " J ? *) , 7 " + % 2 " 5 + < ' 2 " " * < " + " I (' % . && " 5 < * B (7 . " Y % * I (% @ , 2 " 9 + , & . " (% 9 * < 1 + ' (* % " + & " 5 + < " " * 9 " " ? (& " 5 < * 6 . && / " ' ? (& " 1 + 2 " N . " 6 * % & (7 . < . 7 " + " B (* , + ' (* % " * 9 " 0 * , , . @ . " 5 * , (6 . & " + % 7 " I (, , " N . " < . 9 . < < . 7 " " * " " ? . " + 5 5 < * 5 < (+ ' . " * 9 9 (6 . " 9 * < 9) < ' ? . < " ? + % 7 , (% @ a " \$ " (& " + " B (* , + ' (* % " * 9 " " ? . " 0 * 7 . " * 9 " J ') 7 . % " " 0 * % 7) 6 " " " * 1 + Y . " + % (% ' . % ' (* % + , , 2 " 9 + , & . " < . 5 * < " * 9 " + % 2 " 5 * , (6 2 " B (* , + ' (* % / " + % 7 " (" 1 + 2 " + , & * " B (* , + ' . & ' + ' . " 6 < (1 (% + , " & ' + ') ' . & " + % 7 " 6 (B , " 7 . 9 + 1 + ' (* % " , + I & a " "

*+\$"/),6<(A""A'(86R'("/,6"/6>5,\$+7)+-6!N%-6EC5,+6

f \$9"?.<."(&"%*(1 1 .7(+'. "7+%@.</"6*%' +6'"?'."0?(,7G<*'.6'(*%"O*',(%. "#=?*)<&" +7+2/"M"7+2&
+ " I . . Y/" + "\PRR]"F=R:=RRRa"\$9"6+,(%@"9<* 1 "*")' &(7. "*9"0+, (9*<%(+/"6+,, "\#!S]"KS[:]=FRRa"

H%2"U66(7.%'+, . 15,*2.. " I ?*(("&+,&*+"6*%9(7.%'+, . 15,*2.. "\9*<" .4+ 15, ./+"?' .<+5(&/'&.4)+,
+&&+),"B(6'(1 "+7B*6+' ./"5?2&(6(+%"]"+%7" I ?* " I +&" ?(<.7"(% '*"' ?+' "6*%9(7.%'+, "<*, . "&?*) ,7"<.5*<"
&)&5.6'.7"6?(,7"+N)&. "*<%. @, .6'"'*", +I ". %9*<6. 1 . %'+%7g*<"' ? . "m*&"H%@., .&"0*)% '2" ; .5+<' 1 . %"
*9"0?(,7"+%7"L+ 1 (,2"J.<B(6.&"N)" " I *),7"%*" 1 +Y. "+%2"&)6? "<.5*<' '*"' ? . "0(B,("C(@?'&"D">(' . "\$E"
0**<7(%+'*<"*"' ? . " ; (<.6' *<"*9"0+ 15)&"J+9. '2a"

M R

W5*% "<.6.(5'"*9"+<.5*<' /"' ? . "0*,, .@. " I (, "5<*B(7. "<.+&*%+N, . "+%7"+55<*5<(+' . "&)55*<'(B. " 1 .+&)<.&
7.&(@%.7" '*" 5<.&.<B. " .X)+, "+66.&&" '*"' ? . "0*,, .@. A&" 5<*@<+ 1 &" +%7" +6'(B('.&/" +%7" '*" 5<*'.6"' ? . "
5+<'(.&"(%B*,B.7a">? . "0*,, .@. " I (, " 1 +Y. "<.+&*%+N, . ".99*<'&" '*" 6* 1 1)%(6+' . " I ('?' "' ? . "5+<'(.&" '*"
. %&)<.' ?+' "+, ,&+9. '2/" . 1 *' (*%+, "+%7"5?2&(6+, " I . , :N. (%@"6*%6.<%&"+<. "N. (%@"+77<.&&.7a"J)55*<'(B. "
1 .+&)<.&" 1+2" N. " (15*&.7" <.@+<7, .&&" *9" I ? . ' ? . "<'9*< 1 +, "7(&6(5,(%+<2" +6'(*%" (&" &*)@?' "N2" ' ? . "

- f H&&(&' + %6. "(% " *N' + (% (% @ " + &.4) + , " + && +) , " 9 * < . % &(6" .4 + 1 (% + ' (* % " * < " * ' ? . < " 1 .7(6 + , "& . < B(6. &i"
- f \$ 15 * & (' (* % " * 9 " 6 + 1 5) & " _ % * : 6 * % ' + 6 " " 7 (< . 6 ' (B . i ` " "
- f C . & 6 ? . 7) , (% @ " * 9 " . 4 + 1 & ' + % 7 " + && (@ % 1 . % ' &i"
- f G < * B (7 (% @ " + , ' . < % + ' (B . " 6 *) < & . " 6 * 1 5 , . ' (* % " * 5 ' (* % & / " 6 ? + % @ . " (% " 6 , + && " & 6 ? . 7) , . / " (% 6 ,) 7 (% @ " ' ? . " + N (, ' 2 " " * " + Y . " + % " _ (% 6 * 1 5 , . ' . / " 7 < * 5 " + " 6 *) < & . " I (' ? *) " 5 . % + , ' 2 " * < " < + % & 9 . < " & . 6 ' (* % &i"
- f 0 ? + % @ . " (% " I * < Y " & 6 ? . 7) , . " * < " b * N " + && (@ % 1 . % ' i"
- f 0 ? + % @ . " (% " * : 6 + 1 5) & " ? *) & (% @ / " I ? . % " 9 . + & (N , . / " * < + < < + % @ (% @ " " * " 7 (&& * , B . " + " ? *) & (% @ " 6 * % ' < + 6 " + % 7 " 5 < * : < + ' (% @ " + < . 9) % 7 " (% " + 6 6 * < 7 + % 6 . " I (' ? " 6 + 1 5) & " ? *) & (% @ " 5 * , (6 (. &i"
- f m (1 (' (% @ " + % " (% 7 (B (7) + , " * < " * < @ + % (d + ' (* % A & " + 6 6 . && " " * " 6 . < ' + (% " 0 * , . . @ . " 9 + 6 (, (' (. & " * < " + 6 ' (B (' (. & " 5 . % 7 (% @ " < . & * ,) ' (* % " * 9 " ? . " 1 + ' ' . < i"
- f - * ,) % ' + < 2 " , . + B . " * 9 " + N & . % 6 . i"
- f G < * B (7 (% @ " + % " . & 6 * < " " * " . % &) < . " & + 9 . " 1 * B . 1 . % " " N . ' I . . % " 6 , + && . & " + % 7 " + 6 ' (B (' (. &i"
- f G < * B (7 (% @ " + 6 + 7 . 1 (6 " &) 5 5 * < " " & . < B (6 . & / " &) 6 ? " + & ") ' * < (% @ i"
- f \$ % ' . < (1 " &) & 5 . % & (* % " * < " 0 * , . . @ . : (1 5 * & . 7 " , . + B . i"
- f H % 2 " * ' ? . < "

B, .%&, 17&) + << 3. #& ; % / 3 + . 6% / & > 3. & B 3 0 < \$, " 1, 1# / &, 17& ; % / < 3 1 7 % 1 # / &
> ? . " 0 * , , . @ . " (& "

\S#S]#F[:#K#!"

K#\$%"0++6E,,')&(7+6./"8/

U66(7.%'+,"0*,,.@.A&"3 15,*2.."H&&(&'+%6."G<*@<+ 1 "\3HG]"(&"7.&(@%.7"'*"?.,5" 1+4(1(d." . 15,*2..&A"?.,'?'+%7".99.6'(B.%.&&+"'"?*" 1."+%7+" I*<Ya"H7 1(%(&'<.7"N2"HN,('2"H&&(&" N2"O+<'9*<7/"'?"3HG"*99.<&". 15,*2..&'6*%9(7.%'+,/"5.<&*%+, "&)55*<'9*<'+ " I(7."<+@."*9" (&&).&/"9<* 1 ".B.<27+2"6*%6.<%&""*"&.<(*)&"5<*N,. 1 &a">?. "3 15,*2.."H&&(&'+%6."G<*@<+ 1"(& +B+(, +N,.""*". 15,*2..&"+%7"'?.(<"9+ 1(,2" 1 . 1 N.<&"+'%*"6*&'a"

B31>7%1#', \$& 5 %7'6, \$& ; %/3+.6%/&

'1& B, \$>3.1", Pk 0 %7'6, \$& <.3C"7%./& J93& #.%, #& , & <9@/'6, \$& "1Q+. @& /+/#, "1%7& >.30& , 1& , //, +\$#P& <9@/'6, \$& 3.& /%*+, \$P& , .%& .%G+".%7& : @& /#, #%& \$, J& #3& .%<3.#& #9%& , //, +\$#& #3& \$, J& %1>3.6% 0%1#&& O* I .B.</'"?."5+'(.% "'?+&'".<(@?' "'*<.X) .& "'?+'+'&)<B(B*'+7B*6+' .N."5<.&.% "' I? .% "'?."5+'(.% "' &5.+Y&" I ('?', +I" .%9* <6. 1 .% "'+%7"'*<.X) .& "'?+'+'+I" .%9* <6. 1 .% "'%*"5)<)&)." +6<(1 (%+, "6?+<@." + "' ?+'+' (1 .a" L)<'?.</'"?." 7(&6,*&)<." *9" 5<(B+' ." (%9* <1+'(*%" 6*%'+(% .7" (% " 1 *&' " 1 .7(6+, "<.6* <7&" (& @.% .<+, ,2"5<*'.6'.7"N2"O\$GHH/'+%7'6* 1 1) (%'2" 1 .7(6+, "5<*B(7.<&" I(, "%*"%"*(92"'?." 0*, ,. @.a"

R3.%1/'6&%, 0 "1, #31/D" j)+, (9(.7" 5<*B(7.<&" 6+% " 5<*B(7." + " 9* <. %&(6" .4+ 1 (%+'(*%a">?." 9* <. %&(6" 1 .7(6+, ".4+ 1 "?+&" I *"@*+, &V"9(<&'/'*"7(+@%*&." + "%7'<.+ "'?." 9), , ".4'.% "'*9"+%2"(%b)<2"*<'5?2&(6+, ".99.6"\"(%6,)7(%@ " 5<.B.%'(*%" *9" &.4)+, ,2" '<+%& 1 ('.7" (, ,% .&&.&"+%7" 5<.@%+%62]" + "%7" &.6*%7/" '*" 5<*5.<,2" 6* , ,.6" + "%7" 5<.&.<B." .B(7.%6.a">?.<." (&" +, (1 ('.7" I (%7* I " *9" '(1 .\ I ('? (% [K" ?*)<&]" 9* , , I (%@ "+" (%6(7.% "'*9&.4)+, "+&&+), ""*"5<.&.<B."5?2&(6+, "+%7"*"?.<"9* <1 &"*9".B(7.%6./"+, '?*)@?" (' 1+2"N."5* &&(N. ." *"*N'+(% ".B(7.%6."9* 1 " * I ., &/'&?.' '&' 6,*"?.&/' + "%7" *"?.<(' 1 &'9* <." *%@.<" 5.<(*7&"*9" (1 .a"\$'(&N.& ""*"@+'?.<."B(7.%6."5<(*<"* I +&?(%@"+5.<&*%A&N*72"*<6?+@(%@'6,*"?(%@a" \$96,*"?.&?"?+B."N. .%6?+@.7/"?'."6,*"?.& I *%<+"+'?." (' 1 ."*9"?'."(%6(7.% "'&?*) , 7"N."N<*)@?' ""*"?'." .4+ 1 (%+'(*%" (%+"6, .+ %/'&+ (%'+<2"6*%'+ (%.<.&)6?"+&"5+5.<"N+@*"< I +<55.7'(%+"6, .+ %&?.' 'a" ; *%*"")&)." + "5,+&'(6"N+@V"5,+&'(6"6*%'+ (%.<&"7*%"* "N<.+?' ."+%7" 1+2<.%7.<."B(7.%6.)&., &&a"H'6?+@." *9" 6,*"?(%@&?*) , 7"+, &*N."N<*)@?' ""*"?'."?*&5(+, /"+&"?'."6,*"?.& I *%<+"+'?." (' 1 ."*9"?'."(%6(7.% "' I (, , (Y.,2"N."Y.5"'+&" .B(7.%6.a">+Y(%@"'?" '&' .5&"*@"+'?.<."B(7.%6."(1 1 .7(+ .,2"7* .&"*%"*6* 1 1 ("+" (%7(B(7)+, "'*"+%2"5<'(6), +<'6*)<&." *9"+6'(*%a">?."7.6&(*%" '*"& .Y" (1 .,2" 1 .7(6+, '+'.% '(*%" + "%7" @+'?.<+"%2".B(7.%6." I (, , "5<.&.<B."?'."9), , "<+@." *9"*5'(*%&"*"& .Y"<.&*,)'(*%)%7.<"'?'(&"G*, (62"*<'?'<*)@?'?"?."5)<)&)"(*9"6<(1 (%+, "5<*&.6)'(*%"+%7" 1+2"N."?.,59), (%*"N'+(%@'5<*'.6'(B."* <7.<&a"

>+4("B*)6?.<&"<." +B+(, +N, .+"G<*b.6" JHL3/"0+15)&" J+9.'2/"3 1 1 *%&"J')7.% "' c ., ,% .&&0.%'<"+%7"C.&(7.%'(+, "37)6+'(*%"+%7"O*)&(%@ " J.<B(6.&" *5<*B(7."9<." '<+%&5* <+'(*%" '*", *6+, " 1 .7(6+, "6.%' .<&a">?." J)<B(B* <"H7B*6+'." (&" +, &*"+B+(, +N, ." *"+66* 15+%2" &)<B(B* <&" *"+66.&&"*99:6+15)&" <.&*)<6.&a">?."9* , , * I (%@ "'?<." *99:6+15)&" 1 .7(6+, "6.%' .<&"<." +, , "7.&(@%+' .7"N2"m*&" H%@., .&" 0*)%2"&" J.4)+, "H&&+), "C.&5*%&." >.+ 1 "_JHC>`]" 0.%' .<&a" c ?(, ."'?."&5.6(9(6"5<*6.&&" + "%7" <.&*)<6.&" .+6?" JHC>" 0.%' .<" *99.<&" 1+2" B+<2/" @.% .<+, ,2" .+6?" JHC>" 0.%' .<" I (, , "5<*B(7." + "% (1 1 .7(+ ./' B(6'(1 :6.%' .<.7" <.&5*%&." 9* , , * I (%@ " + "% ((%6(7.% "' *9" &.4)+, "+&&+), '/' (%6,)7(%@ " 6* , , +N* <+'(%@ "N.' I .% "'?."?*&5(+, /"+I" .%9* <6. 1 .% "'+@.%6(.&/' + "%7" &.4)+, "+&&+), "6*)%&., * <&" '*" 5<*B(7."6* 15<.'? .%&(B." "<.+ ' 1 .% "'*5'(*%&a"

>&(6L&C/'+%6G&%%+06R+- '7&%6!+ (+)/6

m*&"H%@.,.&/"0+,(9*<%(" [RRSS"
\S#S]##K:S[K!"

*&\$+6;/+&)#+()!+()+/6&)>&()&6R "('7&4W! SE6R+- '7&%6!+()+/6

G<*B(7.&"6* 15<.?%&(B./"9<." '<.+ '1 .%"9*<"&.4)+,"+&&+),"&<B(B*<&/"(%6,)7(%@"#=" ?*)<"
. 1 .<@.%62" 1 .7(6+," 6+<." +%7" 9*<.%&(6" .4+1 &" 5.<9*<1 .7" N2" J.4)+," H&&+)," 8)<&."
34+1 (%.<&/"6*)%&.,(%@"+%7"5&26?*'?'<.+52/" +7B*6+62/" +%7" +66* 15+(1 .%"&.<B(6.&a"m*&"
H%@.,.&"0*)% '2"7.&(@%+' .7"JHC>"

!&%9"/('&62 "#+(Y,6S&O6!+(+)+/6T! 2 S! U6

>?. " 0 c m0"?+&"+'*%<.2&" +B+(,+N,. " '*&.<B. "+&" +<.&*)<6.g+7B(&*<" '*U66(7.%'+," 0*,,.@. " 6* 15,+(%+% '&/' (%6,)7(%@" N*'?" 1 .%"+%7" I * 1 .%/ " I ?*" +<. " 9(,%@" >(',. "\$E" &.4)+, "+&&+), '/ ?+<+&& 1 .%/'*%<"@.%7.<"7(&6<(1(%+'(%%"6* 15,+(% '&"+%7"@*(%@"?<*)@?"'?. "U66(7.%'+," 0*,,.@. " <.&*,)'(%%"5<*6.&&a"pG,. +&.%*%'. /"?* I .B.<"?+""?. "0*,,.@. "7*.&"%*"'.%7*<&."*%<.6* 1 1 .%7" '?(&" *%<@+%(d+'(%%" \ *%<'?. (<"+'*%<.2&]"/ +%7" '?+""?. " *%<@+%(d+'(%%" 1+Y.&" +% (%7.5.%7.%" 7.6(&(%%" +N*)""?. "6+&.&"?'+'(" I (,+66.5"+%7"?."'.<1 &"*9"?."<.5<.&.%'+(%%a" SKR"8*%<'?G+6(9(6"0*+&"O(@? I +2"/J)('."#RMR/"3,"J.@)%7*"/"0H" [R#=#F" ?'5&Vgg I I I a6 I,6a*%<@g" \S#S]"[F!;!R=!"

O R O

>?. " 0*,,.@. "(&"6* 1 1 ('.7"'*5<*B(7(%@"+5<* 15'/'?'*%<*)@?"/.X)(' +N,./"+%7"(15+<'(+,<.&*,)'(%%"*9" +,,<.5*%<.7" B(*,+(%%&" *9" '?(&" G*,(62a" >?. " 0*,,.@. ")&.&" ' I * 5<*6.&&.&" '*%<.&*,B. " <.5*%<'&" *9" G<*?(N(' .7" 0*%7)6"")%7.<'?(&" G*,(62V" ; (&6(5,(%+<2" C.&*,)'(%%/" I ?(6?"(%B*,B.&+"(%B.&'(@+'(%%"+%7"+7b)7(6+'(%%/" +%7"(9"+55<*5<(+'. /"?."(15*&'(%%"*9"&+%6'(%%&/' +%7"H7+5+N,. "C.&*,)'(%%/" I ?(6?" (%6,)7.&"<.&'*%<+'(B. " *5'(%%&"9*%<.<.&*,B(%@"<.5*%<'&a">?. " 0(B,"C(@?'&"D">(',\$E" 0**<7(%+'*%<' I (," 7.'.<1 (%. "'?'." +55<*5<(+'. "<.&*,)'(%%"5<*6.&&" +9'.< 1+Y(%@" +% "(('(+," +&&.&& 1 .%'" *9"?'."<.5*%<' .7" (%9*%<1+'(%%/" 6*%&7.<(%@"?'." &'+' .7" (%'.<.&'&" *9"?'." 5+<'(.&/" 6+15)&" &+9.'2"/ +%7"?'." 0*,,.@. A&" *N,(@+'(%%"*% 1+(%'+(%%"%.%B(<*% 1.%""9.<. "9<* 1 " ?+<+&& 1 .%'+%7"7(&6<(1(%+'(%%a" "

>?. "5<*6.&&.&)%7.<"?'(&"G*,(62"+<.&.5+<+'. "+%7"00050250 - 789T0* - 630.291.2(5+)0.2(<.)00.2((") - 80

'?+/'" I ? . % + " 6 < (1 . " 1 + 2 " ? + B . " * 6 6) << . 7 / " ' ? . 2 " ? + B . " ' ? . " < (@ ? " ' * " < . 5 * < " ' ? . " 1 + ' ' . < " ' * " , + I " . % 9 * < 6 . 1 . % ' i "
' ? . " < (@ ? " ' * " & . . Y " 1 . 7 (6 + , " < . + ' 1 . % ' i "
' ? . " 0 * , , . @ . A & " (% B . & ' (@ + ' (* % " 5 < * 6 . 7) < . & i "
5 * ' . % ' (+ , (% ' . < (1 " 1 . + &) < . & " ' ? + " + < . " + B + (, + N , . i "
' ? . " (1 5 * < ' + % 6 . " * 9 " 5 < . & . < B (% @ " . B (7 . % 6 . i "
+ " < . X) . & " ' 9 * < " ' ? . " 6 * 1 5 , + (% + % " ' * " 1 . . " I (' ? " ' ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " U 9 9 (6 . " ' * " 7 (& 6) & & " * 5 ' (* % & " 9 * < " < . & 5 * % 7 (% @ " ' * " ' ? . " < . 5 * < ' i " "
' ? . " < (@ ? " ' * " N . " + 6 6 * 1 5 + % (. 7 " N 2 " + % " + 7 B (& * < " * 9 " 6 ? * (6 . i " + % 7 "
' ? . " I + 2 " ' ? . " 0 * , , . @ . " < . & 5 * % 7 & " ' * " < . 5 * < ' & " * 9 " 1 (& 6 * % 7) 6 " + % 7 " + " 7 . & 6 < (5 ' (* % " * 9 " 5 * ' . % ' (+ , " 7 (& 6 (5 , (% + < 2 " 6 * % & . X) . % 6 . & a " "

H & " 5 + < " * 9 " ' ? . " (% (' (+ , + & & . & & 1 . % ' / " ' ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " U 9 9 (6 . " I (, , V " "

f + & & . & & " ' ? . " % + ') < . + % 7 " 6 (< 6) 1 & ' + % 6 . & " * 9 " ' ? . " < . 5 * < ' i " " "

f + 7 7 < . & & " (1 1 . 7 (+ ' . " 5 ? 2 & (6 + , & + 9 . ' 2 " + % 7 " . 1 * ' (* % + , " I . . , : N . (% @ i " " " "

f 6 * 1 1) % (6 + ' . " % . 6 . & & + < 2 " 7 . ' + (, & " * 9 " ' ? . " < . 5 * < " ' * " 0 + 1 5) & " J + 9 . ' 2 " ' * " . % ' . < " ' ? . " < . 5 * < " (% ' * " ' ? . " 0 * , , . @ . A & " 7 + (, 2 " 6 < (1 . , * @ " (9 " < . X) (< . 7 " N 2 " ' ? . " 0 , . < 2 " H 6 ' i " " " "

f

f

- f H"6* 15,+(%+% "%*(9(. &""?. "0(B("C(@?'&"D">(',\$E"0**<7(%+'*<(" I<('(%@"'?'+"''?. 2" I *),7" , (Y. ""*" I ('?7<+ I ""?. "9*<1 +, "6* 15,+(%""*<"+%2"+,, . @+'(%%&""?<.(%i"
- f >?. "<.&5*%7.% ""(&"%*",*%@.<". %<*,,. 7"*<". 15,*2.7"N2""?. "0*,, . @. i"*<"
- f J5.6(9(6"6(<6) 1 &' +%6. &"5<. B. % ""'?. "0*,, . @. "9<* 1 "@+'?<(%@" . B(7. %6. "&)99(6(. % ""'*<. +6?" + 7. ' .<1 (%+'(%%"+&""*""?. "9*<1 +, "6* 15,+(%""*<"+,, . @+'(%%&""?<.(%a"

"
 \$9"+"9*<1 +, "6* 15,+(% ""(&"7(& 1 (&&.7"N2""?. "0*,, . @. ")%7.<"'?. "6(<6) 1 &' +%6. &"7. &6<(N.7"+N*B. /"'?. " 0*,, . @. " I (, "&(1), '+% . *)&,2"5<*B(7. ""*""?. "5+<(' . &" I <(' . % "%*' (6. ""9""?. "7(& 1 (&&+, "+%7""?. "<. +&*%& 9*<""?. "7(& 1 (&&+, /"+%7""*'(6. ""9""?. "5+<(' . &A""55*<')%('2""*"+55. +, "&)6?"7(& 1 (&&+, ""?<*) @?"'?. "+55. +, " 5<*6.7)<.&"*)', (%. 7"(% "[H55.%7\(4" ^ a](#)""

R3. 0 , \$B30 <\$, "1#/k)"F1%7& : @&B"C"\$& ; "F9#/ &S &! "#\$%&' (&B33.7"1, #3.&

\$%" 6+&.&" I ?<." ('"+55. +<&"N+&.7" *%"+%" (%('(+, "<.5*<' '?+'''?. " ., . 1 .% '&'&'+' .7" +N*B. " I *),7" N. " &+'(&9(.7/"N) ""?. "6* 15,+(%+% ""7* .&"%*" I (&?"'9(. "+9*<1 +, "6* 15,+(%/'/'? . "0(B("C(@?'&"

- f I ? . ' ? . < " ? . < . " ? + B . " N . . % " * ' ? . < < . 5 * < ' & " * 9 " * ' ? . < " G < * ? (N (' . 7 " 0 * % 7) 6 " * < " * ' ? . < " 1 (& 6 * % 7) 6 " N 2 ' ? . < . & 5 * % 7 . % ' i " " "
- f I ? . ' ? . < " ? . < . 5 * < " < . B . + , & " + " 5 + ' . < % " * 9 " 1 (& 6 * % 7) 6 " < . , + ' . 7 " * " G < * ? (N (' . 7 " 0 * % 7) 6 " + " + " @ (B . % , * 6 + ' (* % " * < " N 2 " + " 5 + < ' (6) , + < " @ < *) 5 i " " "
- f ' ? . " 6 * 1 5 , + (% + % ' A & " (% ' . < . & " (% " ' ? . " 0 * , , . @ . " % * " " 5) < &) (% @ " + % " (% B . & ' (@ + ' (* % " * < " 7 (& 6 (5 , (% + < 2 " + 6 ' (* % " + % 7 " ' ? . (1 5 + 6 " * 9) &) 6 ? " + 6 ' (* % & " * % " ' ? . " 6 * 1 5 , + (% + % ' i " " "
- f I ? . ' ? . < " ? . " 0 * , , . @ . " 5 * & & . & & . & " * ' ? . < " 1 . + % & " * " * N ' + (% < . , . B + % " " . B (7 . % 6 . i " " "
- f 9 + (< % . & & " 6 * % & (7 . < + ' (* % " * 9 * < " N * " ' ? " ? . " 6 * 1 5 , + (% + % " + % 7 " ' ? . < . & 5 * % 7 . % ' i " " "
- f ' ? . " 0 * , , . @ . A & " * N , (@ + ' (* % " * 5 < * B (7 . " + & + 9 . " + % 7 " % % : 7 (& 6 < (1 (% + ' * < 2 " . % B (< * % 1 . % ' i " + % 7 " " "
- f + % 2 " * ' ? . < " + B + (, + N , . " + % 7 " < . , . B + % " " (% 9 * < 1 + ' (* % a " " "

"

> ? . " 0 (B (" C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < " I (, " 6 * % & (7 . < " I ? + " & ' . 5 & " 1 + 2 " N . " 5 * & & (N , . " * < " + 5 5 < * 5 < (+ ' . " I ? . % " + " < . & 5 * % 7 . % " (& ") % Y % * I % " * < " ' ? . " 6 * 1 5 , + (% + % " < . X) . & ' & " + % * % 2 1 (' 2 " + % 7 " I ? + " * ' ? . < " 1 . + &) < . & " * < " < . 1 . 7 (. & " 1 (@ ? " " N . " 6 * % & (7 . < . 7 " * " + 7 7 < . & & " + % 2 " . 9 9 . 6 ' & " * 9 " ' ? . " < . 5 * < ' . 7 " N . ? + B (* < " * % " ' ? . " 6 + 1 5) & " 6 * 1 1) % (' 2 a " > ? . " 0 (B (" C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < " I (, " 1 + Y . " + " 7 . ' . < 1 (% + ' (* % " < . @ + < 7 (% @ " ' ? . " + 5 5 < * 5 < (+ ' . " 1 + % % . < " * 9 < . & * ,) ' (* % ") % 7 . < " ? . " 5 * , (6 2 a " > ? . " 0 * , , . @ . " I (, " & . . Y < . & * ,) ' (* % " 6 * % & (& ' . % " I (' ? " ' ? . " 6 * 1 5 , + (% + % ' A & " < . X) . & ' / " (9 " (" & " 5 * & & (N , . " * " 7 * " & * " / N + & . 7 ") 5 * % " ' ? . " 9 + 6 ' & " + % 7 " 6 (< 6) 1 & ' + % 6 . & / " I ? (, " + , & * " 5 < * ' . 6 ' (% @ " ' ? . " ? . + , ' ? + % 7 " & + 9 . ' 2 " * 9 " ' ? . " 6 * 1 5 , + (% + % " + % 7 " ' ? . " 0 * , , . @ . " 6 * 1 1) % (' 2 a " " "

"

> ? . " 0 * , , . @ . A & " + N (, ' 2 " * " (% B . & ' (@ + ' . " + % 7 < . & 5 * % 7 " 9) , , 2 " * " + < . 5 * < " 1 + 2 " N . , (1 (' . 7 " (9 " ' ? . " 6 * 1 5 , + (% + % " < . X) . & ' & " + % * % 2 1 (' 2 " * < " 7 . 6 , (% . & " ' * " 5 + < ' (6 (5 + ' . " (% " + % " (% B . & ' (@ + ' (* % a " > ? . " 0 * , , . @ . " I (, / " ? * I . B . < / " 5) < &) . " * ' ? . < " & ' . 5 & " ' * " , (1 (" ' ? . " . 9 9 . 6 ' & " * 9 " ' ? . " 5 * ' . % ' (+ , " G < * ? (N (' . 7 " 0 * % 7) 6 " + % 7 " 5 < . B . % " " (& " < . 6) < . % 6 . a " \$ % " + , " 6 + & . & / " ' ? . " 9 (% + , " 7 . 6 (& (* % " * % " I ? . ' ? . < / " ? * I / " + % 7 " ' * " I ? + " " . 4 . % " ' ? . " 0 * , , . @ . " I (, , " 6 * % 7) 6 " + % " (% B . & ' (@ + ' (* % " + % 7 " I ? . ' ? . < " * ' ? . < " (% ' . < (1 " < . 1 . 7 (+ , * < " 5 < * ' . 6 (B . " 1 . + &) < . & " I (, " N . " + Y . % " (% " 6 * % % . 6 ' (* % " I (' ? " + " < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " I (, " N . " 1 + 7 . " (% " + " 1 + % % . < " 6 * % & (& ' . % " I (' ? " ' ? (& " G * , (6 2 a " " "

"

"

(%B.&'@+'*%"5<(*<' '*"

R"- '9'7&)'"(6''96. /''7+,.,+,6

>?. "0*,,.@" I(,,"9*,,* I""?. "G<*6.&&. &"7. &6<(N.7"?.<.(%"N+<<(%@" .46.5'(*%+, "6(<6) 1 &' +%6. &a"\$%"<+<." (%&' +%6. &/' ?* I. B.</' '?." 0*,,.@" 1+2"N. "<.X)<.7" '*"+7+5"' *<" 1 *7(92"'?. "G<*6.&&. &\"(%6,)7(%@" '(1 .,(% .&]"** .%&<."5<* 15""+%7".X)(' +N, . "<. &* ,)'(*% "*9"+<.5* <"*9"G<*?(N(' .7"0*%7)6'a">?. "0*,,.@" <. &.<B. &"'?(&"<(@?' a"\$%&)6?"(%&' +%6. &/' ?." 0*,,.@" I(,,"%*(92"'?. "5+<(' &"*9"'?. "1 *7(9(6+'(*% "*9"'?. "G<*6.&&. &"+%7/" (9"+55<*5<(+.' /" '?." .46.5'(*%+, "6(<6) 1 &' +%6. &"<.X)<(%@" '?." 0*,,.@" '*"+7+5"' *<" 1 *7(92"'?. "G<*6.&&. &a"

*+Z5+,),69''/6F+%&0,6&(-6K?)+ (, ''(,6''96; '#+6

>?. "0(B("C(@?'&"D">(',."\$E" 0**<7(%+'*<" 1+2".4'.%7"+%2"7.+7,(% .& I ('?(%''?(&"G*,(62/"9* <@"**7 6+)&."&?* I"+%7"7*6) 1 .%' .7a" _ ^**7"0+)&.`" I(,,"N."7.' <1 (%.7"N2"'?. "0(B("C(@?'&"D">(',."\$E" 0**<7(%+'*<"(%"?<."&*,. "7(&6<.' (*%"+%7" 1+2"(%6,)7.V"!]"'?. ")%+B+(,+N(,'2"*9"+ I ('% .&&"N.6+)&."*9 7.+?'/"(,,% .&&

7.'.<1 (%+'(*%" '?+' "'?." <.&5*%7.% "' ?+&" .%@+@.7" (%' '?'." 6*%7)6'" +&" +,,.@.7a">?." <.&5*%7.% "' (&5<.&) 1 .7"%*"'<.&5*%&(N,. "9*<'?'."6*%7)6""'+'(&'?'."&)Nb.6""*9""?."(%B.&'(@+'(*%"/)%,.&&"+%7")% '(, "+" 7.6(&(*%"*9"<.&5*%&(N,('2"?+&"N..%" 1+7.")5*%"?'."6* 15,.(*%""*9""?." +7b)7(6+'(*%"5<*6.&&a

+7"/-6+)+()'"(6

>?. " 0(B, " C(@?'&" D" >(', " \$E" 0**<7(%+'*<" I(, " <.'+(%<.6*<7&" *9" +, " <.5* '&" +%7" 6* 15, +(%'&/"
<.@+<7, .&&"*9" I ?.'?.<"?." 1+''.<(&<.&* ,B.7"N2" 1 .+%&"*9"\$%('(+,"H&&.&& 1 .%/'/H7+5'+N, ."C.&* ,)'(*%"
* '<" ; (&6(5, (%+<2"C.&* ,)'(*%a" 0* 15, +(%'&"<.&* ,B.7"N2" 1 .+%&"*9"+% "\$%('(+,"H&&.&& 1 .% "'* <"H7+5'+N, ."

f ?* I ""* "& .<B. (1 5+<'(+,2/'(%6,)7(%@"N2"+B*(7(%@"5<.b)7@ 1 .%"*9""?. "9+6'&"+'("&&)./'6*%9,(6'&" *9"(%' .<.&'/'+%7"N(+&i"+%7"

f (&&).&" *9"<.,.B+%6. " *9" X) .&'(%&" +%7" .B(7.%6./" (%6,)7(%@" I ? .%" X) .&'(%&" +%7" .B(7.%6. " +N*) """? . "6* 1 5,+(%+% 'A&"&.4)+, "5<.7(&5*&'(%%"* "<5<(*<"&.4)+, "N. ?+B(*<"+<. "%*" "<.,.B+% 'a"

H%2"(%7(B(7)+, " I ?*" I (, "N. "6**<7(%+'(%@"+%2"? . +<(%@"(%B*,B(%@">('.. "\$E" J.4)+, "O+<+&& 1 .%" " 1)&" +,&*"?+B. "'<+(%@"*%" ?* I ""*")&. "+%2"' .6?%*, *@2""?+" I (, "N. ")&.7"+'"+, (B. "? . +<(%@"a"

\$%B.&'(@+'*<&" 1)&""?+B. "'<+(%@"*%" ? . "9* , * I (%@"5<(*<""*6* 1 1 . %6(%@"+"<*, . "(%"+%2"6+&. "(%B*,B(%@" >('.. "\$E" J.4)+, "O+<+&& 1 .%" 'V"

f '?. "7.9(%('(%%"*9"&.4)+, "?+<+&& 1 .%")%7.<"S="OLC"!RKaSR\+ji"

A

A: D

**R
H**

G

I

H55.%7(4" H" *)',(%.&"'?. "

"

>?. " \$%B.&'(@+'*<" I(,," 5<.5+<." +" &) 1 1+<2" *9" .+6?" (%'.<B(. I " _\$%'<B(. I " J) 1 1+<2`]a" >?. "
\$%B.&'(@+'*<" I(,," &?+<." '?. "\$%'<B(. I " J) 1 1+<2" I('?'?'." (%'.<B(. I ..a">?. "(%'.<B(. I .." I(,," ?+B."
'?<." \S]N)&(% .&&"7+2&""*6* <<.6""* <"6* 1 1 .% ""*%"+%2'&' +. 1 .%'&" 1+7."(""?'."\$%'<B(. I "J) 1 1+<2a"
>?. "7.+7,(% . "1+2"N." .4' .%7.7"9* <"^*7"0+) &."/)5*%<.X) .&""*""?."\$%B.&'(@+'*<a"\$9""?."(%'.<B(. I .."
?+&" %*" 6* <<.6'(*%&" '*/" * <" 6* 1 1 .%'&" *%/" '?. "\$%'<B(. I " J) 1 1+<2/" '?. "(%'.<B(. I .." I(,," &(@%" +%"
+6Y%* I, .7@. 1 .% ""?'+'?'." (%'.<B(. I .." ?+&"<.B(. I .7"+%7"+@<..&"?'+'?'."\$%'<B(. I " J) 1 1+<2"(&
+66)<+'.a" \$9" '?. "(%'.<B(. I .." ?+&" 6* <<.6'(*%&" * <" 6* 1 1 .%'&" '*"'?'." \$%'<B(. I " J) 1 1+<2/" '?. "
(%'.<B(. I .." 1+2"&)N 1 ("+" I <('.'%<.&5*%&." I ('?(%""?<.. \S]N)&(% .&&"7+2&"<.9,.6'(%@"+%2"+77('(*%&"

"

'*"<.,.B+%'"(%9*<1+'(*%/''?."\$%B.&'(@+'*<" I(,,".45,+(%""*''?. "5+<'2" I ?*"5<*5*&.7"'?. "X).&'(*%&" +%2"
7.6(&(*%""*".46,)7."+"X).&'(*%"+&"%*"'"<.,.B+% 'a"
"

W5*% "<.6.(5""*9".+6?"5+<'2A&"<.&5*%&."*""? ".B(7.%6."<.B(. I .7/'"?. "\$%B.&'(@+'*<" I(,"7.'<1(%."9"
+%2"+77('(*%+,"(%B.&'(@+'(*%("(&"%..7.7a"\$%" +77('(*%/".('?.<"5+<'2" 1+2"*99.<"% . I " I ('%.&&.&"*<"*?'?.<"
% . I ".B(7.%6.a">?."\$%B.&'(@+'*<" I(,"6*%&(7.<"'?.<.&5*%&.&"5<*B(7.7/" I(,"5*&. "X).&'(*%&""*5+<(&"
*<" I ('%.&&.&"+&" +55<*5<5<+'.'\+'""? ."7(&6<.'(*%""*9"'?."\$%B.&'(@+'*<]"/"+%7"(%'.<B(. I "% . I " I ('%.&&.&/"
+%7"+66.5""% . I /" <.,.B+% '/'" .B(7.%6.a" \$9"% . I " <.,.B+%'" .B(7.%6." (&" 5<*B(7.7" N2" .('?.<" 5+<'2/" *<"
@+'?.<.7" N2" '?. "\$%B.&'(@+'*</" '?. "% . I ,2" @+'?.<

- % , . " 1F&

O.+<(%@&" I(,,"N."?.,7"B(+B(7.*6*%9.<.%6(%@a"G<(*<"*"'?."? .+<(%@/'"?."O.+<(%@U99(6.<" I(,,"<.6.(B." (%&'<)6'(*%&" <.@+<7(%@" '?." *5.<+(*%" *9" +%2" +)7(*:B(&)+," .X)(5 1 .%" " 9*<" '?." ?.+<(%@" 3+6?" 5+<'(6(5+% "'&?+,,"+,&*N." 5<*B(7.7" I('?(%&'<)6'(*%&"*%?"* I ""*"+66.&&"'?."? .+<(%@"3+6?"? .+<(%@" I(,," N."+)7(*<.6*<7.7a" 8*" (%7(B(7)+,("&"5.<1(''.7" '*"<.6*<7" I?(", "'?'."? .+<(%@" (&' +Y(%@" 5,+6.a">?." <.6*<7(%@"(&"'?." 5<*5.<2"*9"U66(7.%'+," 0*,,.@."N)"" I(,,"N." +B+(,+N,." '*"'?." 5+<'(.&"9*<,(&' .%@"N2" 6*%' +6

\$9".('?.<"5+<'2"7*.&"%*" +55.+</'?.(<"7B(&*<" I(,"N."5<.&.%'9*<'?. "5)<5*&."*9"+&Y(%@"X).&'(%&"*9"
'?. ".*'?.<"5+<'2/"*<"*9" I('%.&&.&a";)<(%@"'?. "?. +<(%@/"(9".('?.<"5+<'2"?+&"%2"9*,, * I :)5"*<"6,+<(92(%@"
X).&'(%&"9*<"'?. ".*'?.<"5+<'2/"*<"9*<" I('%.&&.&/'?. "X).&'(%&" 1)&'N."&)N1 (''.7"(%" I <('@"'*"?'."
O.+<(%@"U99(6.<a">?. "O.+<(%@"U99(6.<" I(,"7.'. <1(%."?'."<.,.B+%6."*9".+6?"X).&'(%%" +7".45,+<(%"
I ?2"+%2"X).&'(%%" (&"7.. 1 .7"(<<.,.B+% 'a" 3+6?"5+<'2" I(,"

),16#31/&,17&;%0%7"/&

W5*% " 6*%6,) &(*% " *9" '?. " +7b)7(6+'(*% " 5<*6.&&/" I?.% " '?.<. " (& + " 9(%7(%@" *9" <.&5*%&(N,('2/" '?. " 6* 1 5,+(%+% "' I(,,"N. " *99.<.7" &)6?" <. 1 .7(.& "7.&(@% .7" '* "<.&' * <. " * < " 5<.&.<B. " .X)+, "+66.&&" '* " '?. " (%&'(') '(*%A&" .7)6+'(*% " 5<*@<+ 1 " * < " +6'(B('2a"\$9"?' . "O. +<(%@"U99(6.<"7. ' .<1 (% .&"' ? + "' ' ? . " <.&5*%7. % " (&"<.&5*%&(N,."9* < " *% . " * < " 1 * < . " B(*, + '(*%&" *9"?' . "O*,,.@. A&" + % '(7(&6<(1 (% + '(*% " 5*,(6(.&/'?' . "O*,,.@. " I(,," (&&)." &+%6'(*%&" 6* 1 1 .%&)<+'." I('?' '?' . " B(*, + '(*% \&]" (% " +66* < 7 + %6. " I('?' [H55.%7\(4" 3" * <](#) [H55.%7\(4"La" H%2"&+%6'\(*%&" \(&&\)." 7" I\(,,"N. "\(%6,\)7.7"\(% "' ? . "O. +<\(%@"U99\(6.<A&" I <\('' .% "7. ' .<1 \(% + '\(*%a](#)

I<<% , \$/&

H55.+,&" 1 +2"N. "9(, .7"N2" .('?.<"5+<'2"+%7" 1)&'N. "&.% "' * "' ? . "O(B("C(@?'&"D">(',."\$E"O**<7(% + '* <a" c ? .% " + % " +55.+, "(&"9(, .7/"' ? . " * ' ? .<"5+<'2" I(,,"N. "% * '(9(.7/" (% " I <('(%@" / " + %7" I(,,"' ? .% " ? +B. "9(B. "\F]"

A B: D R G N - I
M A

H55.%7(4" Z" *)',(%.&"'?. " 7(&6(5,(%+<2" <.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,.@." 9*,,* I&" (%<.&*;B(%@"
+,,.@+'(*%&"'?'+'+"5.<&*%"?'+&"N..%"&)Nb.6'.7"*" 8*%:>('.\$E"Q(&6*%7)6"N2"+"&')7.%'"(%"B(*,'(*%"
9"'?. " 0,,.@.A&"

- f H%*"B.<B(. I "9"'?. "5<*6.7)<+,"*5'(*%&"+%7"5<*6.&&/"(%6,)7(%@"H7+5'+N,."C.&*,)')(*%"+%7"
; (&6(5,(%+<2"C.&*,)')(*%a"
- f 345,+(%'?'+'?'."&')7.%'"'+&"+<(@?''"*"+%"+7B(&*<"*9"'?. (<"6?*(6."7)<(%@"'?'."5<*6.&&"+%7"
5<*B(7."+,(&"*9"0*,,.@." 15,*2..&"<+(%."7"+&"+7B(&*<")5*%<.X) .&'a"
- f >?. "0*,,.@.A&"+6*?*,+%7"7<)+1%.&'2"5*,(62a"
- f >?. "0*,,.@.A&"5*,(62"5<*?(N('(%@"<.'+,(+'(*%a"

"

0*%6)<<.%',2/"'?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,,"&.,-6'"'+<+(%."7"(%'.<%+,"*<".4'.<%+,"
\$%B.&'(@+'*<"_%\$B.&'(@+'*<"]'"*6*%7)6'"'+<.+&*%+N,./"(15+<'(+,/%7"5<* 15'"(%B.&'(@+'(*%*"9"'?. "
6* 15,+(%'"'_%\$B.&'(@+'(*%`]a">?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,,"&.,-6'"'+%\$%B.&'(@+'*<"
N+&."7"*%&".B.<+,"9+6*%<&/"(%6,)7(%@"'?'."5+<'(.&'(%B*,B.7/"'?. "6* 15,.4('2"*9"'?. "6* 15,+(%'/'?'."%..7"
'*"+B*(7"+%2" 5*'.%'+, "6*%9,(6'"*9" (%'.<.&'/'"+%7" I?*" 1+2" N.&" 6*%7)6'"'+ 9+<(+%7" .X)('+N,."
(%B.&'(@+'(*%*"9*%<"+,,"5+<'(.&'(%B*,B.7a">?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,,"%*(92"'?. "
5+<'(.&'(% I<'(%@"*9"'?. "%+1."*9"'?. "7.&(@%+."7"\$%B.&'(@+'*<+"'"?. "1"'?. "0(B,"C(@?'&"D">(',\$
\$E"0**<7(%+'*<(&&).&'?. "%*'(6."*9"(%B.&'(@+'(*%a">?. "5+<'(.&' I(,,"?+B."?'<.. \S]N)&(%.&&"7+2&"*"
Nb.6'""'?. "\$%B.&'(@+'*<A&"&.,.6'(*%*"%"?'?. "N+&(&"*9"N(+&"*<6*%9,(6'"*9"(%'.<.&'a"\$9".('?.<"*9"'?. "
5+<'(.&"*Nb.6'&'?'?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,,".B+),+." I?.'.?'<."*Nb.6'(*%")(&
&)N&'+'+'.'7a">?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I(,,"<. 1*B."+%7"<.5,+6."+%2"\$%B.&'(@+'*<"
'?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<9(%7&"*%"?+B."+%+6')+,"N(+&"*<6*%9,(6'"*9"(%'.<.&'"+@+(%&"
'?.<"5+<'2a"

"

>?. "\$%B.&'(@+'*<" I(,,"6* 1 1 .%6."?'?. "%B.&'(@+'(*%*"6."?'?. "1"9*<"?'."5+<'(.&"*Nb.6'"?+&"5&&.7"
*<"+%2"*Nb.6'(*%&"?+B."N..%<.&*B.7a"

8.%\$"0"1,..@&'1C"/#F,#31&

>?. "\$%B.&'(@+'*<" I(,,"N.@(%" I ('?'+"G<.,(1 (%+<2"\$%B.&'(@+'(*%") I ('?"+%"+% '(6(5+."7"('1.,(%."*9"'?<'2"
\SR]N)&(%.&&"7+2&"9*%<6* 15,.'(*%a">?. "5)<5*%&."*9"+G<.,(1 (%+<2"\$%B.&'(@+'(*%") (&"*"(7.%'(92"+%7"
@+'?.<+,,<.,.B+B+"9+6'&a^.%<+,,2/"'?. "\$%B.&'(@+'*<" I(,,"6*%7)6'"'?. "G<.,(1 (%+<2"\$%B.&'(@+'(*%") (%
'?. "9*,,* I (%@"*<7.<V"

<')&%Q&7)4L&)N+/'(866

>?. "\$%B.&'(@+'*<" I(,,"(%'.<B(. I "+,,5+<'(.&"+%7"<.,.B+% I ('.&&.&"+%7"@+'?.<"7*6) 1 .%'+<2".B(7.%6."
5<*B(7.7"N2"'?. "5+<'(.&"+%7"+%2"(7.%'(9.7" I ('.&&.&a">?. "\$%B.&'(@+'*<" I(,,"5<.5+<."+&) 1 1+<2"*9"
.+6?")(%'.<B(. I "_%\$'.<B(. I "J) 1 1+<2"]a">?. "\$%B.&'(@+'*<" I(,,"&?+<."?'?. "\$%'.<B(. I "J) 1 1+<2" I ('?
'?. " (%'.<B(. I ..a">?. " (%'.<B(. I .. I (,," ?+B."?'<.. \S]N)&(%.&&"7+2&"*55*%<)'(2"'* 6*%<.6'"*%<
6* 1 1 .%'"*%"+%2"&'+' 1 .%&' 1 +7."(%"'?. "\$%'.<B(. I "J) 1 1+<2a">?. "7.+7,(%." 1+2"N.".4'.%7.7"9*%<
@**7(6+)&./")5*%<.X) .&"*"'?. "\$%B.&'(@+'*<a"\$9"'?. "(%'.<B(. I .."?+&"*6*%<.6'(*%&"*"/*%<'6* 1 1 .%&"
%"/'?. "\$%'.<B(. I "J) 1 1+<2/"'?. "(%'.<B(. I .. I (,,"&(@%"+%"+6Y% I ,.7@. 1 .%'"'+&""'?. "(%'.<B(. I ..
'+&'<.B(. I .7"+%7"+@<..&"'+&""'?. "\$%'.<B(. I "J) 1 1+<2"(&"66)<+' .a"\$9"'?. "(%'.<B(. I .."?+&"6*%<.6'(*%&"
<'6 1 1 .%&'&"*"'?. "\$%'.<B(. I "J) 1 1+<2/"'?. "(%'.<B(. I .." 1+2"&)N1 ('+" I (<'.'%<.&5*%&." I ('?("%
'?<.. "7+2&"<.9,.6'(%@"+%2"+77('(*%&"*%<6?+%@.& I ?(6?)"'?. "(%'.<B(. I .."N.,(.B.&"+<.% 6.&&<2" '*"
.%&<."?'."+66)<+62"*9"'?. "(%'.<B(. I ..A&"&'+' 1 .% 'a"\$9%*%<.&5*%&."(&"<.6.(B.7"9<* 1 "'?. "(%'.<B(. I ..
N2"'?. "7.+7,(%.'/'?. (<\$%'.<B(. I "J) 1 1+<2" 1+2"N."(%6,)7.7"(%"'?. "

"

\$%B.&'(@+'*<"7.'.<1(%.&""?+""?."G<.,(1(%+<2"\$%B.&'(@+'(*%"(&"6*15,.'./'"?."\$%B.&'(@+'*<"I(,,"&)N1("'
'?."\$%B.&'(@+'(*%"C.5*<"

O.<+<(%@U99(6.< I(,,"6*%7)6'"", (B."?. +<(%@/"+" I?(6?"?. 2 I(,,"5.< 1 ("(%7(<. 6"6<*%&&:. 4+ 1 (%+'(%% *9" '?. " 5+<'(. &"+%7" I('%. &&. &a" L* <" 5)<5*%&. &" *9" '?(&" G*, (62/" '?. " .< 1 "\$%7(<. 6" 0<*%&&: 34+ 1 (%+'(%% 1 .+%&"?. "O.<+<(%@U99(6.< I(,,"+,, * I"?. "5+<'(. &"+%7g* <"?. (<+7B(&* <&"*%&") N 1 ("5<*5*%&. 7"X). &'(%%& 9* <"?. " 5+<'(. &"+%7" I('%. &&. &"/+& I .,," +&"9*,, * I :.) 5"X). &'(%%&"N+&. 7"*%". &'(1 *%2"5<*B(7. 7"7)<(%@ '?. "?. +<(%@a">?. "O.<+<(%@U99(6.< I(,,"+&Y"?. "5+<'(. &"+%7" I('%. &&. &"?. "5<*5*%&. 7"X). &'(%%&"?+"? ". " O.<+<(%@U99(6.< 7'.< 1 (%. &"+<. "6*%&&(&'%. " I ('?'? (&" G*, (62"+%7"+<. "5<*N+'(B." *9"9+6'&"<., . B+% "' *' ? ". " +7b) 7(6+'(%% *%9"?. " 1+' .<a">?. "O.<+<(%@U99(6.< 1+2<. 9)&. "'*"+,, * I "X). &'(%%&"?+"?+<.) %7), 2 ?+<+&&(%@"* <"?+"&. . Y"(%9* < 1+'(%% "'?+" (&"*%&"<., . B+%") %7.<"? (&" G*, (62a"

>?. "O.<+<(%@U99(6.< (&"<. &5*%&(N,. "9* <" 1+(%'+(%@%"+%*" <7.<. 2"/9+(<"+%7"<. &5. 6'9), "?. +<(%@%"+%7"?+& N<*+7"+) '?. * <('2"'* <. &5*%7"'*7(&<) 5'(B." * <?+<+&&(%@N. ?+B(* <&/"(%6,) 7(%@"+7b*) <(%@%". "?. +<(%@% * <. 46,) 7(%@%". " *9%. %7(%@% 5.<&*%a" G+<'(. &" 1+2" 1+Y. "<. X). &'&" '*"'?. " 0(B(" C(@?'&" D">('., "\$E" 0**<7(%+'* <.<., +'. 7"'*"'?. "9* < 1+'* <"?. "%+<). "9"?. (<5+<'(6(5+'(%% "(%""?. "?. +<(%@a">?. "O(B(" C(@?'&" D">('., "\$E" 0**<7(%+'* <" I(,," I * <Y" I ('?'?. "O.<+<(%@U99(6.< "*" +66* 1 1 *7+' .<. +&*%+N, . "<. X). &'&a" H,, "?. +<(%@&" I(,," *66)<"B(+ "B(7. *6*%9.<. %6(%@a"

>7N+-5%'(86)

>?. " 0(B(" C(@?'&" D">('., "\$E" 0**<7(%+'* <" I(,," &6?. 7), . "+"?. +<(%@%"+7+' . "+%7" (1 . "+%7" *% '(92" '?. " 5+<'(. &" *9"?. " &+ 1 .a">?. "O.<+<(%@U99(6.< I(,," &"<(B. "'*"?*, 7"+?+. +<(%@% I ('? (%% ". %\ !R]N)&(% . &&"7+2& 9<* 1 "<. 6. (5""*9"?. "\$%B. &'(@+'(%% C. 5* <"+%7"?. "5+<'(. &" <. &5*%&. &/"(9"+%2a"

./+4@+&/'(86R++)'(86)

G<(* <"*"'?. "?. +<(%@/"* <"/+"? ". ,+' .&'/"*%"'?. "7+2*9"?. "?. +<(%@/"? ". O.<+<(%@U99(6.< * <"+7. &(@%+' . 7" O.<+<(%@% 0**<7(%+'* <" I(,,"6*%7)6'" "+5<.:?+. +<(%@% 1 . . '(%@" I ('?'?. "5+<'(. &"5<(* <"*%6* 1 1 . %6(%@"? ". ?+. +<(%@a"H"?) (&"5<.:?+. +<(%@% 1 . . '(%@" . +6?"5+<'2" I(,,"<. 6. (B. "+%". 45,+%+'(%% *%9"?. "?. +<(%@% 5<*6. &&"+%7"?+B. "'?. " *55* <'(%('2"'*+&Y"+%2"X). &'(%%&a"\$9"?. "6* 1 5,+%+% "+"%7g* <"<. &5*%7. "%"?+B. ". . 6'. 7" '*"?+B. "+7B(&* <&"?'<*) @?*) "'? ". ?+. +<(%@% 5<*6. &&/"? ". +7B(&* <" (&" . %6*) <+@. 7" '*"+66* 1 5+%2"?. " 6* 1 5,+%+% 'g<. &5*%7. %""*"'? (&" 1 . . '(%@a"

2')(+,.,.6

≠(7") 6* 1 5,+%+% 'g<. &5*%7. %""*"'? (&" 1 . . '(%@a" 492+<(%@U99(6.< * <"+7. &(@%+' . 7" 452. 5. 1(6) 0. 2(+). 6. 2((% * 1') 0. 2*") = 492+<(%@U99(6.< * <"+7. &(@%+' . 7" 452. 5. 1(6) 0. 2(+). 6. 2((% * 1') 0. 2*") + c ('%. &&. &" 1)&"?+B. "*N<. <B. 7"?. "6*%7)6'" (% c mBT <. *%("<) 3 1(?+) 0. 2(B.) 0. 2(") 3 1(() 0. 2(9* < 1) 0. 2(+) 0.

A C: D R G N - I
M A A , M , F M

H55.%7(4" 0"*),(%.&"'?. "7(&6(5,(%+<2"<.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,.@."9*,* I&"(%<.&*B(%@" +
@<(.B+%6. "'?+'+"5.<&*%"?+&"N. .%"&)Nb.6'.7"'*"8*%:>('.. "\$E"Q(&6*%7)6'"N2"+%"+7 1 (%(&'<+'*"/"&'+99"
1 . 1N.</"*<"9+6), '2" 1 . 1N.<("B(*,+('%"*9"'?. " 0*,,.@.A&" J.4)+, "+%7"\$%'.<5.<&*%+, " Q(&6*%7)6'"
G*,(62a"

23#6%&3>#1C%/#F,#31&&

>?. " 0(B("C(@?'&"D">(',\$E" 0**<7(%+'*<A&" I<(''.%%"*'(9(6+'(*%"*"'?. "<.&5*%7.%" I(, '&'+'. "9+6'&"
&)99(6(.%"*"+55<(&."?'<.&5*%7.%'"*9"'?. "%+')<."*9"'?. "+,,.@+'(*%&/"(6,)7(%@"&5.6(9(6+,,2V"

f >?. "6* 15,+(%+% 'A&"%+ 1 .i"

f 8+')<."*9"'?. "6* 15,+(% 'i"

f J5.6(9(6"5*,(62"B(*,+('%"&"+,,.@.7"\.a@a/"&.4)+, "+&&+), /"<+6(+, "?+<+&& 1 .% /"<.'+, (+('%"]i"

f

>?. "0(B("C@?'&"D">(',\$E"0**<7(%+'*<" I(,,"5<*B(7."?'."6* 15,+(%+% "'+%7"'?'."<.&5*%7.% "' I('?"
%*'('6."*9"+%2"7.,+2&"+%7"@B."?'."1 "+"%." I"'(1.'+N,."9*<"6* 15,.(%"*9"'?'."(%B.&'(@+'(*%a"
"
>?. "(%B.&'(@+'(*%" I(,,"(%6,)7."+"(%'."<B(. I \&]" I('?'?'."6* 15,+(%+%/'"?'."<.&5*%7.% "' +%7g*<" +%2"

9<* 1 " '?. " \$%B.&'(@+'*%a" U%6." '?. " \$%B.&'(@+'*<" (& &+'(&9(.7" '?+' " '?. " <.5*<" (& 6* 15,. ' /" '?. " \$%B.&'(@+'*<" I(,,"&)N 1 ("'"?."<.5*<'""*"'?."0(B("C(@?'&"D">(',"\$E"0**<7(%+'*<a">?. "0(B("C(@?'&"D">(',"\$E" 0**<7(%+'*<" I(,,"<.B(I " '?. " <.5*<'"+%7" +&&.&&" I ?.'?.<'?."<.5*<' 7. 1 *%&'<+' .&/"N2" + 5<.5*%7.<+%6. "9"?'." .B(7.%6."/''?'+'V"!]"?'." .B(7.%6. "&)55*<'&"'?. "\$%B.&'(@+'*<A&"9+6')+, "9(%7(%@&i" +%7" \#]" '?. " \$%B.&'(@+'*<A&" 9+6')+, " 9(%7(%@&" &)55*<' " '?. " \$%B.&'(@+'*<A&"), '(1+' . " 9(%7(%@ " *9" < .&5*%&(N(,'2"*<"%*%:<.&5*%&(N(,'2a"

>?. " 0(B("C(@?'&" D">(',"\$E" 0**<7(%+'*<" 1+2" <.X)(<." '?+' " '?. " \$%B.&'(@+'*<" 6*%7)6'" +77('(*%+, " (%B.&'(@+'*%/" 6*%&(&' .%'" I ('?' '?. " 5<*6.7) <.&*"), (%.7" +N*B.a"U%6. "'?. " 0(B("C(@?'&"D">(',"\$E" 0**<7(%+'*<" ?+&" 6*%9(<1 .7" '?+' " '?. " L(%+, " C.5*<' (& 6* 15,. ' /" '?. " 0(B(" C(@?'&" D" >('," \$E" 0**<7(%+'*<" I(,,"5<*B(7. "+6*52"*9"?'."L(%+, "C.5*<'""*"'?."5+<'(.&"(%+"&.6)<." 1+%%.<a"

),16#31/&

c ?.<." '?. " \$%B.&'(@+'*<" 6*%6,)7.&" '?+' " +B(*,+'(*% " *9" '?(&" G*,(62" ?+&" *66)<<.7/" '?. " +55<*5<(+'. "

f G+<(6(5+% '&' (% +7+5'+N, .<. &*,))(*% 5<*6.&&. &' 1)&' N." 5<*'.6'.7" 9<* 1 " &.6*%7+<2" B(6'(1(d+'(*% +%7" *'?.< 5*'.%'+, " ?+<1&' (%6,)7(%@" '?." 5<. &&)<." '* 5<*6..7" '?<*)@?' +7+5'+N, .<. &*,))(*% (%&' .+7"*9*9* < 1 +, "<. &*,))(*% a"

I 7, <#, : \$%& ; %/3\$+##31&A<#31/&

>?. "+7+5'+N, .<. &*,))(*% "5'(*%&' I(, "N." .%+N, .7"N2"+<+(% .7"6*%<7(%+'*<a">?. "+7+5'+N, .<. &*,))(*% 6*%<7(%+'*< 1)&' "N." (1 5+<(+, "+%7"9<.. "9<* 1 "N(+&"*<6*%9,(6 ""9"(%' .<. &'a"\$9""?. "+7+5'+N, .<. &*,))(*% 6*%<7(%+'*< ?+&' 6*%6.<%&' '?+' "2" 6+%%%" 9+6,(+' ."+ 9+<' *<') %N(+&.7" 5<*6.&&/" '?." +7+5'+N, .<. &*,))(*% "6*%<7(%+'*< 1)&' "<.5* <' " ?* &." 6*%6.<%&' " ?." 0(B, "C(@?'&"D">(', ". \$E" 0**<7(%+'*<+%7" + " 7(99.<. % " +7+5'+N, .<. &*,))(*% " 6*%<7(%+'*< I(, " N." +&&(@% .7a" J(1 (+, <2/" + " 6* 15, +(%+% '/' + "<. &5*%7.% '/' *< +%2" *'?.< 5+<(6(5+% " I ?* " ?+&' 6*%6.<%&' '?+' " ?." +&&(@% .7" +7+5'+N, .<. &*,))(*% 6*%<7(%+'*< 6+%%%" .%+N, . "+ 9+<' +%7")%N(+&.7" 5<*6.&&/" 1+2" <.5* <' " ?* &." 6*%6.<%&' " ?." 0(B, " C(@?'&"D">(', ". \$E" 0**<7(%+'*< I ?* " I(, "+&&. &&" ?." 6<(6) 1 &'+%6.&"+%7"7'. '< 1 (% . " I ? . '? .<"+7(99.<. % " +7+5'+N, .<. &*,))(*% "6*%<7(%+'*< &?*) ,7"N." +&&(@% .7" * " ?." +7+5'+N, .<. &*,))(*% "5<*6.&&a"

\$9"+5+<2"<.X) .&'&' ?." (% ('+(*% "9"+% +7+5'+N, .<. &*,))(*% "5<*6.&&"+%7" ?." 0(B, "C(@?'&"D">(', ". \$E" 0**<7(%+'*< @<. &' ?+' " ?." 1+' .<("&"+55<*5<(+ " .9* <"+7+5'+N, .<. &*,))(*% / . +6?" 5+<2" I(, "<.6.(B. "+ I<' .% "%*'(6. " ?+' "7(&6, * &.&V"

f >?. "+, . @+(*% &i"

f >?. "<.X) (<. 1 .% '&' *9" ?." +7+5'+N, .<. &*,))(*% "5<*6.&&/" (%6,)7(%@" "?." 6<(6) 1 &'+%6.&") %7.< I?(6?" (" 5<.6,)7.&' ?." 5+<' (.&' 9<* 1 "<. &) 1 (%@" "+9* < 1 +, "6* 15, +(% "+" <(&@" 9<* 1 " ?." &+ 1 . "+, . @+(*% &i"

f >?. "5+<' (.&A" (&?" * " I ('?7<+ I "9<* 1 "+7+5'+N, .<. &*,))(*% "+%7"<. &) 1 . * <' (% ('+ ' .7(&6(5, (% +<2" <. &*,))(*% " I ('?<. &5.6" * " ?." 9* < 1 +, "6* 15, +(% 'i"+%7"

f \$%9* < 1 +(*% "+N*) " 1 +(%' .%+%6. "9* <.6* <7&" * < ? * I "<.6* <7&" 6*), 7"N." &?+<.7a"

c ('?"+55<*B+, "9<* 1 " ?." 0(B, "C(@?'&"D">(', ". \$E" 0**<7(%+'*< /"+9'. <"6*%&), '+(*% "+%7" (%'+Y." I ('? " ?." +7+5'+N, .<. &*,))(*% "6*%<7(%+'*< /" ?." 6* 15, +(%+% "+" +%7" ?." <. &5*%7.% " 1+2"B*,) %'+<(, 2"+@<.. " * " ?." 5<*6.&&' ?+" N.&' 1 . . '&' ?." (%' .<. &'&"+%7" . .7&" *9" ?." 5+<' (. &a" H7+5'+N, .<. &*,))(*% " 1+2" (%6,)7. *% . * <' 1 * < . "9" ?." 9* , * I (%@" <. &' * <+' (B. "+55<*+6? .&V"

Q&7%'&)+-6 F'&' "85+P" H" &'<)6')<.7" +%7" 9+6,(+' .7" 6*%B.<&+(*% "N.' I . .% ' I * " * <' 1 * < . (%7(B(7)+, &' 1 * &' "9'. % " ?." 6* 15, +(%+% '/' " ?." <. &5*%7.% '/' +%7g* < " ?." <"6* 1 1) % (0.2(&)+%7

%.6.&&+<2" '*9+6(,'+'.'?'<.&*,)'(*%/'?'." 0*,,.@." 1+2"N."<.X)(<.7" '*5<*7)6."<.6*7&" 6<+'.7" 7)<(%@"'?'(&"5<*6.&&"(%<.&5*%&." '*"+'b)7(6(+,&)N5*.%+"*("<+"L3CGH".7)6+'(*%+,<.6*7"<.X).&'a"\$9" +7+5'+N,."<.&*,)'(*% (&'*55.7" 5<(*<" '*6* 15,.'(*%/'&'+' 1.%&" 1+7." N2" +5+<'2" (%"+7+5'+N,." <.&*,)'(*% 1+2"%*"N.")&.7"(%"+7(&6(5,(%+<2"<.&*,)'(*%5<*6.&&"<.,+'.7"***'+ "1+''.<a"

I7,<#,:\$%&;% 0%7"/&3.&'1#%.C%1#31/&3.	%&B3\$\$F%&B3 0 0+1"#@&

\$%" +77('(*% " '*" (%'.<B.%'(*%&" +55,(.7" '*" '?'<.&5*%7.%'/' +7" <.@+<7,.&&" *9" I?.'?'<" '?'." 0*,,.@." 5)<&).&"+%"; (&6(5,(%+<2"C.&*,)'(*%*"<" +Y.&"*?'<'9* <1+,7(&6(5,(%+<2"+6'(*%/'?'." 0(B,"C(@?'&"D" >(',"\$E"0**<7(%+'* <" 1+2"9(%7("'.,59),"*<% .6.&&+<2"*"<.X).&"* <"<.X)(<."?'<.&5*%7.%'***<"*?'<.&" '*")%7.<' +Y."&5.6(9(6'&' .5&"7.&(@% .7" '*" .,(1(%+'.'?'." 1(&6*%7)6'/" 5<.B.%'"('&"<.6)<<.%6./"+%7g* <" <.1.72"('&" .99.6'&a"34+15,.&"(%6,)7./"N)"'+<."%*"', (1(' .7" '*"/'?'."9*,,* I(%@V"

f C.X).&'(%@"* <"<.X)(<(%@"+"0*,,.@."%('2" '*5<*B(7." "+(%(%@"9* <"('&'&'+99"* <" 1.1 N.<&i"

f C.X).&'(%@"* <"<.X)(<(%@"'?'<.&5*%7.%'***<.6.(B." "+(%(%@"i"

f 0*%'(%)(%@"+2"*9"?'."5<*'.6'(B." +7"&)55* <'(B." 1.+&)<.&"5<.B(*)&,2'&'+N,(&?.7i"

f \$7.%'(92(%@"'?'."% . .7"9* <"+%2"+77('(*%+, "*<"*%@"(%@" 1.+&)<.&/'&)55* <'&"+%7"<.1.7(.&i"* <"

f C.B(&(%@"0*,,.@."5*,(6.&/'5<+6'(6.&/'* <'&.<B(6.&a"

"

"

A E: P

\$9"+<.5*<'5<*6.7&"'?'<*)@?' ; (&6(5,(%+<2"C.&*,)')(*%"+%7"'?."<.&5*%7.%'"(&"9*)%7"<.&5*%&(N,."9*<"
%."<"1* <."B(*,+ '(*%&"*9"'?."0*,,@.A&"+% '(7(&6<(1 (%+'(*% "5*,(6(.&/'"?."0*,,@."I(,,"(&&)."&+%6'(*%&
6* 1 1 .%&)<+'. "I('?'"?."B(*,+ '(*% \&]a">?."0(B("C(@?'&"D">(',"\$E"0**<7(%+'*<"I(,"7.&(@%+'."?'<.."'
'<+(% .7"(%7(B(7)+,&"*"&.<B. "%%"+"'?<..:5.<&*% "5+%.,"_C.B(. I"G+%.,`]"* "7.'.<1 (%."&+%6'(*%&a">?."'
0(B("C(@?'&"D">(',"\$E"0**<7(%+'*<"I(,,"%*(92"'?."5+<'(.&/'("%" I<('(%@/"*9"'?. "%+ 1 ."*9"'?. "7.&(@%+' .7"
C.B(. I"G+%.,(&'&"+',. +&"9(B." \F]N)&(%.&&"7+2&"5<(*<"*"'?."? .+<(%@a">? ."5+<'(.&" I(,,"?+B. "'?<.." \S]"
N)&(%.&&"7+2&"*"*Nb.6""*"+%2"C.B(. I"G+%.,(&'*% "'? ."N+&(&"*9'+6')+,"N(+&"*<"6*%9,(6'"*9"(%' .<.&'a"\$9"+<(%@

+55<*5<(+'.<.&*,)'(*%("%".+6?"6+&.a"

"

>?. "0(B,"C(@?'&"D">(',."\$E"0**<7(%+'*<"+,&*"?+&"'?. "7(&6<.'(*%''*"<.B(. I "+%2"(%'.<(1"5<*'.6'(B."
<"<. 1.7(+, " 1 .+&<.&"'"7.'.<1(%." I ?.'?'<"'?.2"&?*),7"N. "6?+%@.7"*<"<."%*",*%@.<" +55,(6+N, .a"
>?. "C.B(. I "G+% .," I (,,"(&&)." +7.'.<1(%+'(*%''*"%&+%6'(*%&"+%7"'?. "5+<'(.&" I (,,"<.6.(B. "%*' (6. "*9"?'." 7.'.<1(%+'(*%''*"
I ('?"9(B. "\F]"N)&(% .&&"7+2&"*9"'?. "C.B(. I "G+% .,A&"<.6.(5""*9"+,," 1+'.<(+,&"(%"'?'." 6+&.a" L* <" 6+&.&" (%B*,B(%@" +,,. @+'(*%&" *9" >('." \$E" J.4)+," O+<+&&1.%/'" '?. " C.B(. I " G+% .,A&" 7.'.<1(%+'(*%''*"
<.@+<7(%@&+%6'(*%&" I (

"

+,)'5)''(P'C.5+21.%''''?.0*,,@."*<'*'+%+99.6'.7'5+<'2'9*<'7+1+@.&'<.&),'(%@'9<*1"+B(*,+('%%*9''?(&"0*7.a">*%.%9*<6.''?(&'+%6'(%%/'?'."0*,,@."<.&.<B.&'?'<(@?'''*''I('??*7('&'<+%&6<(5'&'+%7'7.@<..&'*<'*''7.%2"+'&')7.%'5+<'(6(5+'(%%('"%@<+7)+('%%6.<.1*%(.&'+%7'5<(B(.@.7".B.%'&a"

*+#"A&69/'"#6!&#\$5,6@"'5,'(8P"J')7.%'&'1+2"N."<.1*B.7'9<*1"0*,,@."?*)&(%@"+%7g* <N+<<.7'9<*1"+55,2(%@"9*<'6+15)&'?*)&(%@"7).''*7(&6(5,(%+<2"B(*,+('%%&'*9''?(&"0*7.a"

>5,\$+(, '(P"346,)&(%%"9<*1"0*,,@."5<.1(&.&'+''.%7(%@'6,+&&.&/'+%7"*'?.<'5<(B(.@.&'* <+6'(B('.&'9*<+'&5.6(9(.7'5.<(*7"*9''(1./'+&'&.'9*<'?'(%''?.'&)&5.%&(%%"%*'6.a"8*'6."*9''?(&'+6'(%%"I(,,"<.1+(%('%"?'.'&')7.%'A&'6*%7)6''9(,.'+%7' I(,,"N."5.<1+%.'%'.2'<.6*<7.7"*%"'?'.'&')7.%'A&"+6+7.1(6" '<+%&6<(5'a" 0*%7('%%&'9*<'<.+71(&&(%%" 1+2" N." &5.6(9(.7" (%" '?. "&)&5.%&(%%"%*'6.a"

K?5\$, '(P"G.<1+%.'%''<.1(%+'(%%"*9'&')7.%'&'&'+)'&'+%7".46,)&(%%"9<*1"0*,,@."5<.1(&.&/' 5<(B(.@.&'+'+%7"+6'(B('.&a">'(&"+6'(%%"I(,,"N."5.<1+%.'%'.2'<.6*<7.7"*%"'?'.'&')7.%'A&"+6+7.1(6" '<+%&6<(5'a"

+A"7&)'(6"%"E-#',, '(6&(-1"/6 F+8/+P" H71(&&(%%" '/' * <"+7.@<..'+I+<7.7"N2/"'?. "0*,,@."1+2"N."<.B*Y.7"9*<'9<+)7/"1(&<.5<.&.'%'+('%"(%"*N'+(%@"''?'."7.@<..'*<'B(*,+('%%*9"0*,,@."5*,(6.&'/'?'."J')7.%'0*7."*9"0*%7)6''*<'9*<'*?'<.&.<(*)&'B(*,+('%%&'6*11(''.7" N2"+'&')7.%'5<(*<'*''.%<*,1.%'""*<'@<+7)+'(%%a"

2')NN''-(86F+8/+P">?.0*,,@."1+2" I('??*7"+I+<7(%@"+7.@<..'*'?.<I(&."<+%.7")% '(, '?. "6*15,.'(%%"*9"?'."5<*6.&&'&.'9*<'?'(%"?'(&"G*(62/"(%6,)7(%@"'?. "6*15,.'(%%"*9"+,, &+%6'(%%&'(15*&.7"/(9"+%2a"

3)N+/P"U'?.<"&+%6'(%%&"1+2"N."(15*&.7"(%&'&'+7"*9"/"*<'(%"+77('(%%"*''/'?'*&."&5.6(9(.7"?'<.a" J.<B(6./".7)6+'(%%/'* <'&.&.+<6?'5<*b.6'&"1+2"+,&*N."+&&(@%.7a"

R5%)\$%+6>&(7)''(,P" Q*<."?'+%*%.'*9''?.'&+%6'(%%&),(&' .7"+N*B."1+2"N."(15*&.7"9*<"+%2" &(%@,. "B(*,+('%%a"

9" '?. "<.&5%7.%'a ; (&6(5,(%+<2"+6'(*%"+@+(%&"")%(*%<.5<.&.%'.7". 15,*2.. "&?+,,"N.")%7.<'+Y.%"
6*%&(&'.%'" I('?"+%2"+55,(6+N,."6*,,.6'(B."N+<@+(%(@"+@<.. 1.%'a"
"

G*&&(N,."7(&6(5,(%+<2"+6'(*%&"9*<"8*%:>.%)<."><+6Y"L+6),'2"+%7'&'+99"(%6,)7./"N)" +<."%*"', (1('7"
'*"'?. "9*,,* I(%@"+6'(*%&" I?(6?" I(,"N."(15*&.7"(%"+1+%%.<''?+'("&6*%&(&'.%'" I('?''. "7(&6(5,(%."
+%7"7(&6?+<@."5<*B(&(*%&"*9"+%2"+55,(6+N,."6*,,.6'(B."N+<@+(%(@"+@<.. 1.%'V"

&)6?"+&.7)6+'(*%+, "(%('+'(B.&"+%7g*("<+ (%(%&a"\$%"+77('(*%/"'?. "0(B,"C(@?'&"D">(',."\$E"0**<7(%+'*("<
I(,,"6*%'(%). ""*5<*B(7."9*("<". "6+<."+%7"&)55*("<""*9"?. "5+<'(.&"+&"55<*5<(+'. /"(%6,)7(%@"'?. ""*%@"*(%@"
5<*B(&(*%""*9"+55<*5<(+'. "+66* 1 1 *7+'(*%&a"

"

