

!
"##\$%&'(\$)!*+,+&!.!/0102!

"
!

!

!"

"

3456\$!7#!879&\$9&-!

VB.<B(. I"*9"C.&*,)'(*%"V5'(*%&"

\\

\$%('(+,"H&&. && 1 .% '"

\\

Q*<1+,"0* 15,+(% '&/' ; (& 1 (&&+,&"+%7"H55.+,&"*9" ; (& 1 (&&+,&"

\F

Q*<1+,"0* 15,+(% '&"J(@%.7"P2"0(B("C(@?'&"D">('.. "\$E"0**<7(%+'*<

**:9-&'&+&'7946! ; 46+-\$-!/87 < < +9'&=!''>?\$%&4&'79-!/49@!A7&'%\$!7#!A79B
C'-%D' < '94&'79!**

\$'(&'?'."5*(62"*9"V66(7.%'+,"0*,,.@.]"`V66(7.%'+,a*`<"'?."0*,,.@.a^"*" 1+(%'+(%"+%".%B(<*" 1.%'"
9*<'&')7.%'&/'9+6),'2"/+7 1(%(&'<+'*&/'&'+99/"+%7"B(&'<&'?'+'(&'9<.. "*9"+,, "9*< 1 &"*9"7(&6<(1 (%+'(*%"
+%7" ?+<+&& 1 .% '/'(%6,)7(%@& .4)+,"+%7"(%'.<5.<&*%+, " 1 (&6*%7)6'b">?." 0*,,.@." ?+&" .%+6'.7"?'(&
J.4)+,"+%7"\$%'<5.<&*%+, " T(&6*%7)6"G*,(62]"`G*,(62a^"*"<.9,.6"+%7" 1+(%'+(%'('&'(%&'(')(*%+, "
B+.)&+%7"6* 1 1)%('2".45.6'++'(*%&/'"*5<*B(7."9*<"9+(<+%7".L)('P,. "5<*6.7)<.&"9*<"7.'.< 1(%(@"
I?."?'(&"G*,(62"?+&"P..%B(*,+'.7"/+%7"*5<*B(7."<.6*)<&."9*<"(%7(B(7)+,&"+%7"'?.#6* 1 1)%('2b"
"

>?(&"G*,(62"5<*?(P('&"+,, "9*< 1 &"*9"7(&6<(1 (%+'(*%*"<"?+<+&& 1 .%""*%""?."P+&(&"*9"&.4"](%6,)7(%@"&.4"
&'<.*'25.&/'&.4"6?+<+6'.<(&'(6&/" 5<.@%+%62/" 5.<6.(B.7" 5<.@%+%62/" 6?(,7P(<'?'/" P<.+&'9..7(%@/" +%7"
<.,+'.7" 1.7(6+," 6*%7('(*%&^/" <.5<*7)6'(B." ?.,'? " 7.6(&(*%: 1+Z(%@"](%6,)7(%@" '?'.")&." *9" +%2"

3E\$!8766\$, \$F-!8'('!G', E&-!H!3'&6\$!: I!877D@'94&7D!

>?. "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"P2"-H d H^b">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<*B.<&.&"'?. "0*,,.@.A&"6.%'+,(e.7"<.&5*%&."*"",,<.5* '&"*9"G<*?(P('7"0*%7)6""*".%&<."6*%&(&'.%"(15,.1.%'+>(*%*"9"'?(&"G*(62"+%7"6*15,(+6."I('?'9.7.<+,"+%7"&'+'.",+I b">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<+%7"7.&(@%+'7.&'!+99" I(.,/+1*%@"*"?.<"'?(%&W"

g 0*111)(6+."I('?'1.1P.<&"*9"'?. "0*,,.@."6*111)'(2"<.@+<7(%@"+55,(6+P,.,+I"+%7"5*,(62"+%7"5<*B(7."(%9* <1+'(*%"+P*)"'<.5* '&'(%@"+%7"&)55* '<"*5'(*%&b"

g C.B. I"+55,(6+P,."0*,,.@."5*,(6.&"*'."%&<."(%&'(')'(*%+,"6*15,(+6."I('?'+55,(6+P,."9.7.<+,"+%7"&'+'.",+I b"

g T*(*'<"'?. "0*,,.@.A&"71(%&'<+(*%*"9'('&"*I"+55,(6+P,."5*,(6.&"(%6,)7(%@"<.6* <7"Z..5(%@/"7?<.%6."*" "(1.9+1.&"/+%7"*"?.<"5* <6.7)+<.<.L)<.1.%'&b"

g 0*%7)6""<+((%@"<.@+<7(%@">(',"\$E"/<.,+'7"5<*B(&(*%&"*9"'?. "0,.<2"H6"]+&"1.%7.7"P2"-H d H^b"+%7"G<*?(P('7"0*%7)6""&"7.9(%7."%""?(&"G*(62b"

g C.&5*%7""*"+%2"<.5* '<"<.@+<7(%@"6*%7)6""'++"1+2"B(*,+'."?'(&"G*(62b"\$%""?(&"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+(<."*" "+P(7."P2"+%(%'<(1"5<*'.6'(B."1.+&)<.^/+%7"1*%('* '<'?. "+71(%&'<+(*%*"9"+%2"<.L).&"9* '<.<.B. I"*9"'?. "9(%7(%@b"

>?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<"1+2"7.,.@+'."<.&5*%&(P(('&")%7.<"'?(&"G*(62"'*7.&(@%+'7"+71(%&'<+* '< "&"*<.4'.<+,"5<*9.&&(*%+,&"I?* I(.,"?+B."+55<*5<(+.' '<+((%@"+%70* <".45.<.(%6.b" d ?.%)"&.7"(%""?(&"G*(62"/"?'."<1"0(B("C@?'&"D">(',"\$E"0**<7(%+'*<"1+2"(%6,)7." +%" +55<*5<(+.'7.&(@%..b">?. "0(B("C@?'&"D">(',"\$E"0**<7(%+'*<A&"6*%'+6""(%9* <1+'(*%&("&W"

H,.4+%7<+"Q),6?.<"
H_0"C**1"!!!"
J\#\^"#FY:!\R"
+9),6?.<h*42b.7)"

JD\$(\$9&'79!49@!*K4D\$9\$--!JD7,D4<-!

>?. "0*,,.@."(&"6*11('7""*"'?. "5<.B.%'(*%*"9"G<*?(P('7"0*%7)6""?<*)@?"1+%7+'7"/<.@),+<"/+%7" *%@"*%@"7)6+(*%"+%7"+I+<.%&&"5<*@<+1&b"\$%6*1(%@"&')7.%'&"+%7"%I".15,*2..&"<.6.(B."5<(1+<2"5<.B.%'(*%"+%7"+I+<.%&&"5<*@<+11(%@"&"5<+"*9"'?. (<"* <(.%'+(*%"+%7"<.)<(%@"&')7.%'&"+%7"6)<.%".15,*2..&"<.6.(B."*%@"*%@"<+((%@"+%7"<.,+'7".7)6+(*%b""

***9946!937.2(9)2(6)(937.K(*%)J JETQq.24000.2412.24**

L%7? \$!7#!J76'%=!

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

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

g ! "# \$%&' (&()) H%" (%7(B(7)+, " I ?*" (&"<.5*<' .7" '*" ?+B." .45.<(.%6.7" 6*%7)6'" ' ?+" 6*),7" 6*%&'(')'. "G<*?(P(' .7"0*%7)6'" /".B.%"(9""? .2"7*%*"5*5+<'(6(5+' . "(%"+%2"<.,+' .7"5<*6.&&b"

g *+, \$" (-+()) H%" (%7(B(7)+, " I ?*" ?+&"P. .%<.5*<' .7" '*" ?+B." .%@+@.7"(%6*%7)6'" ' ?+" 6*),7" 6*%&'(')'. "G<*?(P(' .7"0*%7)6'"b"

g . &/)0l. &/)' +, H"6* 15,+(%+% "'*<.&5*%7. % "'5+<'(6(5+'(%@"(%"+<.&*,)('%"5<*6.&&b"

g 2 ')(+.,, H%" (%7(B(7)+, " I ?*" 1+2" ?+B." (%9*<1+'(*%<.,.B+% "' '*" + "<.5*<" *9" G<*?(P(' .7" 0*%7)6'"b"H I ('% .&&" 1+2"P. "+&')7. % '/'+"%". 15,*2. ./"*<+"''?(<7"5+<'2b"

"

"

g 3994! & # \$5,6! " (-57)W" 0*%7)6""?+""*66)<&*99:6+ 15)&"+%7"?+&"6*%'(%)(%@"+7B.<&".99.6'&"
%/"<"6<.+'.&"+"?*&'(. ".%B(<*% 1.%""9*</" +%2" 1 . 1 P.<"*9"'?. "V66(7.%'+,"6* 1 1)%('2"*%:
6+ 15)&"*<"(%"+%2"0*,,.@. ". 15,*2 1 .%""*<".7)6+'(*%"5<*@<+1 ""*<"+6'(B('2b"

V66(7.%'+,"0*,,.@. " I (,,"'+Z.<.+&*%+P,."&' .5&"*"*<.&5*%7""*". +6?"(%6(7.%""*9"G<*?(P(' .7" 0*%7)6"
(%B*,B(%@" (%7(B(7)+,&" &)Pc.6" '"" '?. " 0*,,.@.A&' 5*,(6(.&" '?+" *66)<" (% " 6*%%.6'(*%" I ('?' +%2"

G+<'.&" 1+2"<.L).&"<.&*%+P,." +66* 1 1 *7+'(*%&"9* <'7(&+P,('(&' '*''?'." 0(B, "C(@?'&"D">(',." \$E" 0**<7(%+'* <+' +2" 5*(%'" <.,+'(%@" ' *' '?'." (15,. 1 .%'+(*%'" *9" '?'(&" G*,(62/" (%6,)7(%@" 1+Z(%@" +7(&6,*&)<." * < < .5* < /" + % 7" (% (' + (%@" + "@ < (. B + % 6. " 5 < * 6. 7) < . b" H 6 6 * 1 1 * 7 + ' (* % & " I (, " P. "@ < + % ' . 7" (9" ' ? . 2" + < . " < . + & * % + P, . " + % 7" 7 * % * " 9) % 7 + 1 . % '+ , , 2" + , ' . < " ' ? . " 5 < * 6. 7) < . & ' . & ' + P, (& ? . 7" P 2" ' ? (& " G * , (6 2 b" G , . + & . " % * ' . " ' ? + " ' ? . " 0(B, " C(@?'&" D" >(', . " \$E" 0**<7(%+'* < " I (, " % * " " + 9 9 (< 1 + ' (B. , 2" 5 < * B (7. " 7 (& + P, (' 2" + 6 6 * 1 1 * 7 + ' (* % & " ' ? + " ' ? + B. " % * " " P . . % " & 5 . 6 (9 (6 + , , 2" < . L) . & ' . 7" P 2" ' ? . " 5 + < ' (. & /" . B. % " I ? . < . " ' ? . " 5 + < ' (. & " 1 + 2" P. " < . 6. (B (%@" + 6 6 * 1 1 * 7 + ' (* % & " (% * " ' ? . < " 0 * , , . @ . " 5 < * @ < + 1 & " + % 7" + 6' (B (' . & b" " "

d ('?' '?' . " 6 * % & . % " * 9" ' ? . " (1 5 + 6' . 7" & ') 7 . % " * < . " 1 5 , * 2 . / " ' ? . " 0(B, " C(@?'&" D">(', . " \$E" 0**<7(%+'* < " I (, " I * < Z" 6 * , + P * < + ' (B. , 2" I (' ? " ; (& + P, (' 2" J . < B (6 . & "] & ') 7 . % ' & ^ " * < " S) 1 + % " C . & *) < 6 . & " * " . % &) < . " ' ? + " + 5 5 < * B . 7" < . + & * % + P, . " + 6 6 * 1 1 * 7 + ' (* % & "] 7 (& + P, (' 2: < . , + ' . 7" ^ + < . " (1 5 , . 1 . % ' . 7b" "

***%4@\$ < '%!PD\$\$@7 < !49@!PD\$\$@7 < !7#!L? \$\$%E!**

>?(&" G *, (6 2" (&" 6 * % & (& ' . % " I (' ? ' ? . " 0 * , , . @ . A & " 6 * 1 1 (' 1 . % " ' * " + 6 + 7 . 1 (6" 9 < . . 7 * 1 " + % 7" 9 < . . & 5 . . 6 ? / " (% 6 ,) 7 (%@" P) " % * " , (1 (' . 7" ' * " ' ? * & . " & . " ' 9 * < ? " (% " ' ? . " ! Y = N" J ' + ' . 1 . % " ' * 9" G < (% 6 (5 , & " * % " H 6 + 7 . 1 (6" Q < . . 7 * 1 " + % 7" > . %) < . b" > ? (&" 6 * 1 1 (' 1 . % " < . L) (< . & " ' ? + " ' ? . " 0 * , , . @ . " 5 < * ' . 6" 6 * 1 1) (% " 2" 1 . 1 P . < & A" . 4 5 < . & & (% * " * 9" (7 . & + (% " ' ? . (< ' . + 6 ? (% @ / " , . + < % (% @ / " + % 7" < . & . + < 6 ? / " (% 6 ,) 7 (%@" + 7 B * 6 + 6 2" ' ? + " 1 + 2" P . " 6 * % ' < * B . < & (+ , / " 5 < * B * 6 + ' (B. / " * <) % 5 * 5) , + < b" > ? *) @ ? " % * ") , (1 (' . 7" ' ? (&" 5 < * ' . 6' (% * " . 4' . % 7 & " ' * " ' ? . " . 4 5 < . & & (% * " * 9" (7 . & + ? ? I . B . < " 6 * % ' < * B . < & (+ , / " (% " ' ? . " 6 , + & & < * * 1 / " < . & (7 . % ' (+ , , 9 . / " + % 7" * ' ? . < " 6 + 1 5) & : < . , + ' . 7" + 6' (B (' . & b" H , , . @ + ' (% * & " * 9" 7 (& 6 < (1 (% + ' (% * " * < ? + < & & 1 . % " ' (% B * , B (% @ " & 5 . . 6 ? " 1) & " P . " 6 + < . 9) , , 2" 6 * % & (7 . < . 7" (% , (@ ? " * 9" & ') 7 . % ' & A" 9 < . . & 5 . . 6 ? " < (@ ? ' & ") % 7 . < " 0 + , (9 * < % (+ , + I " + % 7" ' ? . " 0 * , , . @ . A & " 6 * 1 1 (' 1 . % " ' * " + 6 + 7 . 1 (6" 9 < . . 7 * 1 " + % 7" 9 < . . & 5 . . 6 ? b" H & " + 5 < * ' . 6' . 7" < (@ ? ") % 7 . < " 0 + , (9 * < % (+ , + I / " + 6) < < . % ' , 2" . % < * , , . 7" & ') 7 . % " 1 + 2" % * " P . &) P c . 6" " " * 7 (& 6 (5 , % . " % * " ? . " P + & (&" * 9" & 5 . . 6 ? / ") , . & & " ? + " & 5 . . 6 ? " < (& . & " * " + , . @ + , & ' + % 7 + < 7" * 9" P . (% @ " 5 (\$ / ") + 7) + - b" "

JD7E'5'&\$@!879@+%&!49@!C\$#9'&'79-!

\$%7' . < 1 (% (@ " I ? . ' ? . < . 5 * < ' . 7" 6 * % 7) 6" B (* , + . & " ? (&" G *, (6 2" / " ? . " 0 * , , . @ . " I (, " 6 * % & (7 . < " ? . " * " + , (' 2" * 9" ? . " 9 + 6' & " + % 7" 6 (< 6) 1 & ' + % 6 . & ' (% B * , B . 7" (% " ? . " (% 6 (7 . % ' / " (% 6 ,) 7 (%@" ? . " % + ') < . " * 9" ? . " < . 5 * < ' . 7" 6 * % 7) 6" + % 7" ' ? . " 6 * % . 4" " (% " I ? (6 ? " (" * 6 6) < < . 7b" \$% 7 (B (7) + , & " * 9" + % 2" & . 4" * < " @ . % 7 . < " 6 + % " 6 * 1 1 (" + % 2" * 9" ' ? . " G < * ? (P (' . 7" 0 * % 7) 6" 7 . 9 (% . 7" (% " ? (&" G * , (6 2" / " + 7" (" 6 + % * 6 6) < " P . ' I . . % " (% 7 (B (7) + , & " * 9" ? . " & + 1 . " & . 4" * < " @ . % 7 . < / " * < " 7 (9 9 . < . % " & . 4 . & " * < " @ . % 7 . < & b" \$ " 6 + % * 6 6) < " P . ' I . . % " & ' < + % @ . < & " * < " + 6 L) + (% ' + % 6 . & " + & " I . , , + & " 5 . < & * % & " (% B * , B . 7" (% " (% ' (1 + ' . / " & . 4) + , / " 7 + ' (% @ / " 7 * 1 . & ' (6" * < " 9 + 1 (, (+ , " < . , + ' (% & ? (5 & b" > ? (&" G * , (6 2" 5 < * ? (P (' & " ? . " 9 * , * I (% @ " 9 * < 1 & " * 9" 6 * % 7) 6' / " (% 6 ,) 7 (%@" + ' . 1 5' & " * " 6 * 1 1 (" ' ? . " G < * ? (P (' . 7" 0 * % 7) 6" 7 . 9 (% . 7" P . , * I b" "

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

> < (, . " \$E" J . 4) + , S + < + & & 1 . % ' a" (& " + &) P & . " * 9" G < * ? (P (' . 7" 0 * % 7) 6" b" X % 7 . < " ; . 5 + < ' 1 . % " ' * 9" 3 7) 6 + ' (% " < . @) , + ' (% * & "] , + + \ = " 0 b Q b C b" / " G + < " ! N K ^ (& &) . 7" (% " T + 2" # N # N " * " (1 5 , . 1 . % " ') > (, . " \$E" * 9" ? . " 3 7) 6 + ' (% " H 1 . % 7 1 . % ' & " * 9" ! Y M # " / " ? . " 0 * , , . @ . " (& " < . L) (< . 7" ' * " 5 < * ? (P (" 6 . < + (% " 9 * < 1 & " * 9" & . 4) + , " ? + < + & & 1 . % " + & " 7 . 9 (% . 7" (% " ? * & . " < . @) , + ' (% * & b" " "

G < * ? (P (' . 7" 0 * % 7) 6" 1 . . & " ? . " 7 . 9 (% ' (% * " * 9" > (, . " \$E" J . 4) + , S + < + & & 1 . % " I ? . % " " "

H% 3 1 5,*2.. "6*%7('(*%&'?'."5<*B(&(*%*"9"+%"+(7/'+P.%9('/"*<+"&.<B(6."*%"+%")(%7(B(7)+,A&"5+<'(6(5+'(*%")(%")% I .,6* 1 . "&.4)+,"6*%7)6'"](b.b/" : 5'-6. /'6 : 5'"&.4)+,"?+<+&& 1 . %'^" I ('?(% '?. "X%(' .7"J'+'. &i"*<"

H" J')7. %/' 3 1 5,*2.. /"*< >?(<7" G+<'2". %@+@. &("%")% I .,6* 1 . "6*%7)6'" *% "'?." P+&(&"*9"&.4" '?+" I *),7"P. "7. ' .<1 (% .7"P2"+<. +&*%+P,. "5.<&*%""*P. "&*"&.B.<./'5.<B+&(B./'+%7"*Pc. 6'(B.,2" *99.%&(B. "'?+" (" .99.6'(B.,2"7.(.&"+%*'?' .<5.<&*%".L)+,"+66.&&"*"'?' . "0*,, .@. A&"5<*@<+ 1 & *<"+6'(B(' .&/'("%"'?. "X%(' .7"J'+'. &i"*<"

H" J')7. %/' 3 1 5,*2.. /"* <" >?(<7" G+<'2". %@+@. &("%" J.4)+," H&&+),/' ; * 1 . &'(6" - (*, .%6./' ; +'(%@" - (*, .%6./'"*<" J.4)+,"+%70* <" _ .%7.<:P+&.7"J'+,Z(%@"+&"7.9(% .7"P. ,* I i"+%7"

- o >?. "+,, .@. 7"6*%7)6'" I +&"5.<5. ' <+'.7"+@+(%&'"+"5.<&*%")(%"'?. "X%(' .7"J'+'. &i"+%7"
- o >?. "6*%7)6'" *%*Z"5,+6. " I ('?(%"'?. "0*,, .@. A&"5<*@<+ 1 &"+%7"+6'(B(' .&b"

"

0*%7)6'" +Z. &"5,+6. " I ('?(%"'?. " `0*,, .@. A&"5<*@<+ 1 &"+%7"+6'(B(' .&a" I ? . %"'?+"6*%7)6'"*66)<&W"]!^ (%"+,*6+'(*%/'+"+"%".B. %/'"*<"(%"+6(6) 1 &"+%6. " I ? .< . "'?. "0*,, .@. ".4.<6(&.&"&)P&'+% '(+,"6*% '<*, "*B.< "P*'?'? ".<.&5*%7. %"+%7"'?. "6*% ' .4"(% " I ?(6"'?. "6*%7)6'"*66)<&i"*<"]#^("%"+%2"P)(,7(%@"* I % .7"*< "6*% '<*, .7"P2"+&')7. %""*<@+% (e+'(*% "<.6*@(e.7"P2"'?. "0*,, .@. b"3B. %'&"'?'+"*66)<"*99"6+ 1 5)&"*< (" ,*6+'(*%&" I ('? "%*"6*% .6'(*%""*"'?. "0*,, .@. "+<."),(Z.,2"*P. "6*%&(7.<.7"+0*,, .@. "5<*@<+ 1 " * <"+6'(B('2b"0*%7)6'"?'+"7* .&%*" 1 . . "'?(&'&'<(6"7.9(%('(*%9* <">(' . "\$E" J.4)+," S+<+&& 1 . %'("&'&'(, "5<*?(P(' .7"P2"'?(&"5* ,(62"(9("'*'?. <I (&. "6*%&'(')'. &"G<*?(P(' .7"0*%7)6'" +&"9)<'?. <"7.9(% .7"P. ,* I b" G<*?(P(' .7"0*%7)6'"

"

9"?."0,,.@."(%"?."X%('7"J'+'.&b"8*%:>(',\$E"T(&6*%7)6" I(,,"9*,,* I"?."7(&6(5,(%+<2"<.&*,)')(*%"
5<*6.7)<.&"*'),(%."7"(%[H55.%7\(4" \[b"J](#))6?"6*%7)6"("&7.9(%."7"9*%<"5)<5*%&.&"*9"?'(&"5*,(62"+&W"

F',7/'#'(&)' '(6" (6)I+6J&,'6"9%>+?6

346.5"+"&"5.<1('7"P2">(',\$E/"5<*?(P('7"7(&6<(1(%+'(*%""*%""?."P+&(&"*9"&.4"] I ?.<."&.4"(%6,)7.&"
&.4"&'<.*'25.&/"&.4"6?+<+6'<(&'(6&/"5<.@%+%62"*<'<.,+'7"6*%7('(*%&/"&.4)+,"*<(.%'+'(*%/"+%7"@.%7.<"
(7.%('2^"("&"7.9(%."7"+&"+6'(*%&"?'+"6+)&."+% "(%7(B(7)+,"*"P."46,)7.7"9<* 1 "5+<(6(5+'(*%"(%/"P."

j)(7"G<* j) * S + < + && 1 . % ' "

j)(7" 5<* L) * " ? + < + && 1 . % ' " * 66) < & " I ? . % " & * 1 . % * . " 9 < * 1 " * < " (% " ' ? . " I * < Z " * < " . 7) 6 + ' (* % + , " & . ' ' (% @ / " (% 6 ,) 7 (% @ " + % " . 1 5 , * 2 . . / " + @ . % ' / " * < " * ' ? . < " 5 . < & * % +) ' ? * < (e . 7 " P 2 " ? . < . 6 (5 (. % ' " " * 5 < * B (7 . " + % " + (7 " P . % . 9 (/ " * < " & . < B (6 . ") % 7 . < " ' ? . " < . 6 (5 (. % ' k & " . 7) 6 + ' (* % " 5 < * @ < + 1 " * < " + 6 ' (B ' 2 " . 4 5 , (6 (' , 2 " * < " (1 5 , (6 (' , 2 " + 6 ') + , , 2 / " + ' . 1 5 ' & " " * " * < " 5) < 5 * < ' & " " * " 5 < * B (7 . " + % 7 " 6 * % 7 (' (* % " + % " + (7 " P . % . 9 (/ " * < " & . < B (6 . ") % 7 . < " ' ? . " < . 6 (5 (. % ' k & " . 7) 6 + ' (* % " 5 < * @ < + 1 " * < " + 6 ' (B ' 2 " * 9 " ? . " 0 * , , . @ . " * % " + % " (% 7 (B (7) + , A & " 5 + < ' (6 (5 + ' (* % " (% ") % I . , 6 * 1 . " & . 4) + , " 6 * % 7) 6 ' / " I ? (6 ? " (% 6 ,) 7 . & " P) ' (& " % * " " , (1 (' . 7 " * " / ") % I . , 6 * 1 . " & . 4) + , " + 7 B + % 6 . & / " < . L) . & ' & " 9 * < " & . 4) + , " 9 + B * < & / " + % 7 " * ' ? . < " B . < P + , " B (&) + , " * < " 5 ? 2 & (6 + , " 6 * % 7) 6 " * 9 " + & . 4) + , " % + ') < . / " (% 6 ,) 7 (% @ ") % 7 . < " + % 2 " * 9 " ? . " 9 * , , * I (% @ " 6 * % 7 (' (* % & " " " " "

g J) P 1 (&& (* % " ' * " ' ? . " 6 * % 7) 6 " (& " . 4 5 , (6 (' , 2 " * < " (1 5 , (6 (' , 2 " 1 + 7 . " + ' . < 1 " * < " + " 6 * % 7 (' (* % " * 9 " (6 2 (" 2 . 5 0 4 9 - 7 2 7

0+, (9* < % (+ " J . 4:

>+?5&%L?S%'')&'''(6

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

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

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

g >?. " .<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*%&.%'i"

g >?. "7(&'<(P)'(%%"9" (1+@.&'/'(%6,)7(%@ " B(7. * * < 5? * * @ < + 5? /' * < +)7(*"9" +%*'?. <5.<&*%A& &.4)+,"+6'(B('2"* < ('(1+' .5+<'&'/'(9)'? . "(%7(B(7)+,"7(&'<(P)'(%@"?' . "(1+@.&' * < +)7(*"Z%* I & * < & ? *),7"?+B. "Z%* I %''?'+'''? . "5.<&*% "7.5(6' .7(%''? . "(1+@.&' * < +)7(*"7(7%*"'+99(<1+(B. ,2" 6*%&.%''''*''? . "7(&6, * &)<.i"+%70* <"

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

! "# \$ % ') 0 6

H%2"+6''?'+'Z%* I (%@,2"+(7&'9+6,(+' .&'/'5<* 1 *' .&'/' * < .%6*)<+@.&'?' . "6* 1 1 (&&(*%"9"G<*?(P(' .7" 0*%7)6""P2"+%*'?. <5.<&*%b"

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

C. '+,(+'(%%"(%6,)7.&"+7B.<&. "+6'(*%"'+Z.%"+@+(%&""+"5.<&*% "9* <' 1+Z(%@"+"@**7"9+('?'<.5* <' "9" G<*?(P(' .7"0*%7)6""* < 5+<'(6(5+'(%@"(%"+%2"5<*6. .7(%@")%7.<'?'(&"G* ,(62b)H7B.<&. "+6'(*%"(%6,)7.& "6*%7)6""?'+'?'< .+' .%&'/'(%'(1(7+' .&'/'?+<+&&.&'/'6* .<6.&'/' * < '?'+'& . .Z&' * "7(&6*)<+@. " + < .+&*%+P, . " 5.<&*% "9* < 1 " .%@+@(%@"(%"+6'(B('2"5<* .6' .7")%7.<'?'(&"G* ,(62b)C. '+,(+'(%%"6+% "P. "6* 1 1 (' .7"P2" * < +@+(%&""+%2"(%7(B(7)+," * < @ < *)5"*9"(%7(B(7)+,/&'%' * "c)&'"+0* 15,+(%+% "" * < "C.&5*%7. %'b"C. '+,(+'(%%" 7* .&'%' * "(%6,)7. "@**7"9+('?'+'6'(*%&,+I9) , ,2"5)<& . 7(%" < .&5*%& . "" * < + < .5* < "9"G<*?(P(' .7"0*%7)6'b" C. '+,(+'(%%"1+2"P. "5<.&. %' . B. % " I ? .<'?'< . "(&"+9(%7(%@"9" ~ % * < .&5*%&(P('2a" I ('?'< .&5.6''''*''? . " +, . .@+(' * & "9"G<*?(P(' .7"0*%7)6'b"

! >?. "0* , , .@. " I (, "+Z. "(1 1 .7(+'. "+%7" < .&5*%&(B. "+6'(*%" * "+%2" < .5* < "9" < . '+,(+'(%%" +%7" I (, "5)<& . " 7(&6(5,(%+<2"+6'(*%" +& " +55<*5<(+'.b" H%" (%7(B(7)+," < .5* < '(%@" G<*?(P(' .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. %b"

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

+) '?* < ('2''* &) 5. < B(& ./ . B+,) +'. /' 6*) % & ., /' 6* + 6? /' * < *' ? . < I (& . " 1 + Z. " 7. 6 (& (*% & " * < < . 6* 1 1 . % 7 + ' (*% & + & " * " ' ? . " * ' ? . < " 5. < & * % (% " 6 * % % . 6 ' (*% " I (' ? " ' ? . (< . 1 5, * 2 1 . % " * < . 7) 6 + ' (*% " + " ' ? . " 0 * , , . @ . b " " "

\$ 9 " + % " (% 7 (B (7) + , " 6 * % ' . 1 5 , + ' . & " P . @ (% % (% @ /' * < " (& " % B * , B . 7 " (% /' + " & . 4) + , " * < < * 1 + % ' (6 " < . , + ' (*% & ? (5 " I (' ? " + % * ' ? . < /' * B . < " I ? * 1 " ' ? . " (% 7 (B (7) + , " ? * , 7 & " 7 (< . 6 " &) 5 . < B (& * < 2 " * < " . B + ,) + ' (B . " < . & 5 * % & (P (, (. & /' " ? . " (% 7 (B (7) + , " 1) & " " (1 1 . 7 (+ ' . , 2 "] ! ^ " 7 (& 6 * % ' (%) . " + % 2 " &) 5 . < B (& (% @ " < * , . " * < < . , + ' (*% & ? (5 " * B . < " ' ? . " * ' ? . < " 5 . < & * % i " + % 7 "] # ^ < . 5 * < " ' ? . " 6 (< 6) 1 & ' + % 6 . & " * " ' ? . (< " &) 5 . < B (& * < " + % 7 " ' ? . " 0 ? (. 9 " S) 1 + % " C . & *) < 6 . & " V 9 9 (6 . < b " Q + (,) < . " * " 6 * 1 5 , 2 " I (' ? " ' ? . & . " < . L) (< . 1 . % ' & " (& " + B (* , + ' (*% " * 9 " ? (& " G * , (6 2 /' + % 7 " ' ? . " 5 . < & * % (% " +) ' ? * < (' 2 " 6 *) , 7 " P . " &) P c . 6 " " * " 7 (& 6 (5 , (% + < 2 " + 6 ' (*% /') 5 " " * " + % 7 " (% 6 ,) 7 (% @ " 7 (& 1 (& & + , " 9 * < 1 " . 1 5 , * 2 1 . % " b " " "

./' I' C') + - 6 * + % &) ' ' (, I '\$, 6 M ') I 6 >) 5 - + () , 6

3 B . % " (9 " + % " . 1 5 , * 2 . . " * 9 " ' ? . " 0 * , , . @ . "] . 4 6 ,) 7 (% @ " & ') 7 . % " " . 1 5 , * 2 . . & ^ " 7 * . & " % * " ' ? * , 7 " + " 5 * & (' (*% " * 9 " +) ' ? * < (' 2 " * B . < " + " & ') 7 . % ' /' + % 2 " & . 4) + , " * < < * 1 + % ' (6 " < . , + ' (*% & ? (5 " P . ' I . . % " + % " . 1 5 , * 2 . . " + % 7 " + " & ') 7 . % " * 9 " ' ? . " 0 * , , . @ . " 6 *) , 7 " c . * 5 + < 7 (e . " ' ? . " (% ' . @ < (' 2 " * 9 " ' ? . " + 6 + 7 . 1 (6 " + % 7 " , (B (% @ " . % B (< * % 1 . % " ' * 9 " ' ? . " V 6 6 (7 . % ' + , " 6 * 1 1) % (' 2 " + % 7 " 7 + 1 + @ . " ' ? . " & ') 7 . % " b " > ? . < . 9 * < . /' & . 4) + , " * < < * 1 + % ' (6 " < . , + ' (*% & ? (5 & " P . ' I . . % " + % " . 1 5 , * 2 . . " + % 7 " + % 2 " & ') 7 . % " * 9 " ' ? . " 0 * , , . @ . " + < . " 5 < * ? (P (' . 7 b " H " & . 4) + , " * < < * 1 + % ' (6 " < . , + ' (*% & ? (5 " (% B (* , + ' (*% " * 9 " ? (& & . 6 ' (*% " 1 + 2 " < . &) , " (% " 7 (& 6 (5 , (% + < 2 " + 6 ' (*% " + @ + (% & " " ' ? . " . 1 5 , * 2 . . /') 5 " * " + % 7 " (% 6 ,) 7 (% @ " 7 (& 1 (& & + , b " " "

L ? 7 + \$) ' ' (, 6

3 4 6 . 5 ' (*% & " * " ' ? . & . " 5 < * ? (P (' (*% & " I (, " P . " 6 * % & (7 . < . 7 " * % " + " 6 + & . : P 2 :

- g $\frac{<(9''/\#+-6&(-6/+7'S/'7&\%N''H,,5+<(.&'1)&'7.1*%&'<+'.'+'6,.+<+%7'1)')+,%7.<&'+%7(%@*9''?.'\%+'>.'+%7'&6*5.'*9''?.'+6''*''I?(6?''?.2'+<.'6*%&.\%('+%7'+I(,.(%@\%.&&'*7*''?.'&+1.'''?(@/'+'''?.'&+1.'''(1./'(%''?.'&+1.'''I+2b''$
- g $\frac{O/++%06&(-6&7)A+%068'A+(N''0*%&.\%''6+%*\%''P.'*P'+(%.'7''?<*)@?'''?.')&.'*9''9*6./''6*.<6(*%/'?'<.'+&'(%('1(7+'(*%''*5<.&&)<(%@/'*''P2''+Z(%@'+7B+%'+@.'*9''?.'(%6+5+6('+'(*%''*9''+%*''?.'<(%7(B(7)+,b''$
- g $\frac{P5)5&\%065(-+/,)&(-&C\%+N''0*111)\%(6+'(*%''6*%&(&'&'*9'1)')+,,2'')%7.<&'+%7+P,.' I *<7&'+%70*''<'+6'(*%&'?'+'''(%7(6+'.'+'1)')+,,2'')%+1P(@)*&' I (,.(%@\%.&&'*'.\%@+@.'''(%&.4)+,+6'(B('2b''0*%&.\%''1+2''*''P.'(%9.<<.7''9<*1''&(.%6./''5+&&(B('2'''+6Z''*9'<.&(&'+%6./''*'''+6Z''*9'+6'(B.'<.&5*%&.\%''b''H''(%7(B(7)+, I ?*''7*.\&'%*''5?2&(6+,2'<.&(&'*''<'B.<P+,2'<.9)&.\&.4)+,+6'(B('2'(&'*''*''6.&&+<(2''@'(B(%@''6*%&.\%''b''C.,2(%@''&*',,2'')5*%''*%*:B.<P+,6*111)\%(6+'(*%''6+%'',.+7''*''+9+,&.'6*%6,)&(*%''+&'*''I?.'?'<'6*%&.\%''I+&'&*)@?'*''<'@'(B.%b''$
- g $\frac{K''6'(-+9'(')+N''H99<1+'(B.'6*%&.\%''1)&'P.'*%@*(%@''?<*)@?'*''''?.'+6'(B('2b''0*%&.\%''1+2''P.' I ('?7<+I''P2''+%2''5+<'2''+'+'%2''(1.b''C.6*%@%(e(%@''''?.''72%+1(6''%+)'<.'*9''&.4)+,+6'(B('2''(%7(B(7)+,&'6?''*%&(%@''*''.\%@+@.'''(%&.4)+,+6'(B('2'1)&''.B+,)'.'6*%&.\%('+%''*%@*(%@''1+%%<.'+%7'6*111)\%(6+'.'6,.+<,2''?<*)@?'*''''+,,&''+@.&'*9''&.4)+,+6'(B('2b''d('?'7<+I+,*9''6*%&.\%''6+%''P.'+'B.<P+,2''.45<.&&.7''~%*a''*<'&'*5a''*<'6+%''P.'P+&.7''*%''+%'')' I +<7''7.1*%&'<+'(*%''?'+'''6*%B.2&'?'+'+'+'(%7(B(7)+,(&'?.&('+'/'6*%9)&.7'')%6.<+'(%/'*<'(&'%*',%@.<+'1)')+,,5+<(6(5+%''b''V%6.'6*%&.\%''(&' I ('?7<+I%/'?'.'&.4)+,+6'(B('2'1)&''.6.+&.(11.7(+'.2''+%7'+,,5+<'(.&'1)&'*P'+(%'1)')+,,2''.45<.&&.7''*<'6,+.+<,2''&'+'.'7''6*%&.\%''P.9*<.'6*%''(%)(%@'9)<'?'<'&.4)+,+6'(B('2b''$
- g $\frac{K''65(%'\#')+-N''0*%&.\%''*''*%''9*<1''*9''&.4)+,6*%'+6''7*.\&'%*''6*%&'(')'.6*%&.\%''*''+,,9*<1&'*9''&.4)+,6*%'+6''/%*''<'7*.\&'6*%&.\%''*''&.4)+,+6'(B('2''I('?'*%'.5.<&*%''6*%&'(')'.6*%&.\%''*''+6'(B('2''I('?'+'%2''*''?.'<'5.<&*%''b''3+6?''5+<'(6(5+%''('+'&.4)+,.'6*%')<'1)&'6*%&.\%''$

O"/7+6

`Q*<6.a("&"'?.")&."*<"'?'<.+!"*9"5?2&(6+,"B(*,.%6."!*"*B.<6* 1 ."+"(%7(B(7)+,A&"9<..7* 1 "*9" I(,,"!*"

\$' I (, , %* " P . " + B + , (7 . 4 6) & . " ' ? + " ' ? . " < . & 5 * % 7 . % " P . , (. B . 7 " ' ? + " ' ? . " 6 * 1 5 , + (% + % " + 9 9 < 1 + ' (B . , 2 " 6 * % & . % ' . 7 " " * " ? . " & . 4) , " + 6 ' (B (' 2 " (9 " " ? . " < . & 5 * % 7 . % " Z % . I " * < . + & * % + P , 2 " & ? *) , 7 " ? + B . " Z % * I % " " ? + " " ? . " 6 * 1 5 , + (% + % " I + & ") % + P , . " " * 6 * % & . % " " * " ? . " & . 4) , " + 6 ' (B (' 2 ") % 7 . < + % 2 " * 9 " ? . " 9 * , * I (% @ ' 6 (< 6) 1 & ' + % 6 . & "] + ^ " ? . " 6 * 1 5 , + (% + % " I + & " + & , . . 5 " * < ") % 6 * % & 6 (*) & i "] P ^ " ? . " 6 * 1 5 , + (% + % " I + & " (% 6 + 5 + 6 (' + . 7 " 7) . " " * " ? . " (% 9 ,) . % 6 . " * 9 " 7 <) @ & / " + , 6 * ? * , / " * < " 1 . 7 (6 + ' (% / " & * " " ? + " " ? . " 6 * 1 5 , + (% + % " 6 *) , 7 " % * ") % 7 . < & ' + % 7 " " ? . " 9 + 6 ' / " % + ') < . / " * < " . 4 ' . % " " * 9 " " ? . " & . 4) , " + 6 ' (B (' 2 i "] 6 ^ " " ? . " 6 * 1 5 , + (% + % " I + & ") % + P , . " " * 6 * 1 1) % (6 + . " 7) . " " * " + 1 . % + , * < " 5 ? 2 & (6 + , " 6 * % 7 (' (* % b " " "

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

879# '@ \$9 & 46' & = ! / JD' (4% = ! / 49 @ ! G \$ 64 & \$ @ ! G \$? 7 D & ' 9 , ! G \$ - ? 79 - ' 5 ' 6' & '\$ - !

8 . " C , 6 @ k , 1 7 & B 3 1 > 7 % 1 # , \$ # @ D & E 1 7 % . / # , 1 7 " 1 F & # 9 % k = " > % . % 1 6 % / &

> ? . " 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 b " > ? . " 0 * , , . @ . " + , & * " (& " 6 * 1 1 (' . 7 " " * + & & (& (% @ " & ') 7 . % ' & / . 1 5 , * 2 . . & / " + % 7 " " ? (< 7 " 5 + < (. & " (% " 1 + Z (% @ " (% 9 * < 1 . 7 " 6 ? * (6 . & b " d (' ? " < . & 5 . 6 " " * " + % 2 " < . 5 * < ") % 7 . < " ' ? (& " G * , (6 2 / " ' ? . " 0 * , , . @ . " I (, " 1 + Z . " < . + & * % + P , . " . 9 9 * < & ' ' * " 5 < * . 6 " " ? . " 5 < (B + 6 2 " * 9 " 5 + < ' (6 (5 + % ' & / " (% " + 6 6 * < 7 + % 6 . " I (' ? " + 5 5 , (6 + P , . " & ' + ' . " + % 7 " 9 . 7 . < + , " + I / " I ? (, . " P + , + % 6 (% @ " " ? . " % . . 7 " " * @ + ' ? . < (% 9 * < 1 + (* % " * " + Z . " & ' . 5 & " * " . . (1 (% + ' . " G < * ? (P (' . 7 " 0 * % 7) 6 / " 5 < . B . % " (' & " < . 6) < < . % 6 . / " + % 7 " < . 1 . 7 2 " (' & " . 9 9 . 6 ' & b " H , , " 0 * , , . @ . " . 1 5 , * 2 . . & " I ? * " + < . " (% B * , B . 7 " (" " ? . " 0 * , , . @ . A & " > (, . " \$ E " < . & 5 * % & . " < . 6 . (B . " & 5 . 6 (9 (6 (% & ' <) 6 ' (* % "

<".&5%7.% "'*"?."@.%.<+,"5)P,(6" I('?*)" .45<.&&" I<('.%6*%&.% "'*<"+P&.% "'+%*'?.<".46.5'(*%" 6*%&(&' .%" I('?'?'." ,+Ib">?."<.,.+&." *9"%+1 .&" I(,"P."@)(7.7"P2"+55,(6+P,." ,+I/"(%6,)7(%@" '?'." Q+1(,2" 37)6+'(*%+," C(@?'&" +%7" G<(B+62" H6" JQ3CGH^" +%7" '?'." 0,.<2" H6'b" \$" +77('(*%/" %*" (%9* <1+'(*%" I(,"P."<.,.+&.7" 9<*1" +" 5<*6..7(%@" '*".%9* <6." '?'(&" G*(,62" .46.5'" +&" <.L)(<.7" * <5.<1(' .7"P2",+I"+%7"0*,,@."5*,(62b"

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

`0*%9(7.% '(+,(2a" @.%.<+,,2" 1 .+%&" '?+" (%9* <1+'(*%" &?+<.7" P2" +% "(%7(B(7)+," I('?" 7.&(@%+' .7" 6+15)&"* <6* 1 1)%'2"5<*9.&&(*%+,&"6+%%"*P."<.B.+,.7"'"*"+%2"*'?.<"(%7(B(7)+," I('?*)" ""?." .45<.&&" 5.<1 (&&(*%" *9" '?'." (%7(B(7)+,b">?." 6*%9(7.% '(+,(2" *9" (%9* <1+'(*%" &?+<.7" P2" +% "(%7(B(7)+," I('?" 7.&(@%+' .7"6+15)&"* <6* 1 1)%'2"5<*9.&&(*%+,&"@.%.<+,,2"(&"@*B.<% .7"P2"0+,(9* <%(+,"+I/"(%6,)7(%@" 0+,(9* <%(+ 3B(7.% 6." 0*7."<.&'<(6'(*%&" *%7(&6,*&)<." *9" (%9* <1+'(*%" P2" 1 .% '+," ?.,?' 5<*B(7.<&/" * <7+(% .7" 6, .<@2" <+5." 6<(&(&" 6*)%&., * < &/" +%7" +' '* <%.2&/" +,," *9" I ?* 1 " ?+B." ,.@+,,2" 5<*'.6'.7"

!/ '#+6Q"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('?'(%P*'?'?'."0.,<2"
@.*@<+5?2"+%7"'?'."6+15)&"&+9.'2"9*<6.A&"<.@),+<"5+'<*, "<*)'.b">?."6<(1.",*@"7*.&"%*"'"(%6,)7."
(7.%"(92(%@"(%9*<1+'(*%"P*)"'?'."6*15,+(%+%'"*<"<.&5*%7.%"'b"

G\$?7D&'9,!Q?&'79-!

H,, "6*15,+(%'&"*9"B(*,+(*%&"*9"'?(&"G*,(62" I(,,"P."'+Z.%"&.<(*)&,2"+%7"(%"@**7"9+'?'b">?."0(B,"
C(@?'&"D">(<,"\$E"0**<7(%+'*<" I(,,"5<*B(7."(%9*<1+'(*%"+"%7"@)(7+%6."<.@+<7(%@"?'*I"'*9(,,"+)

I('?',+I".%9* \lt 6.1.%/' +%7" (%9* \lt 1+'(*%" +P*)'" *%:" +%7" *99:6+15)&" \lt .&*) \lt 6.&" +%7" *5'(*%&" 9* \lt "
 \lt .&*,)'(*%b"

QE.F6RQ",6E(8+%+,6."%'7+6F+\$&/)#+()S6

HB+(,+P,. ""*" \lt .&5*%7""*"+%2 \lt .5* \lt '&"*9"6 \lt (1."* \lt "B(*,.%6./"(%6,)7(%@"G \lt *?(P(' .7"0*%7)6'b"
Q* \lt "3 1 . \lt @.%6(.&W"Y!!"
Q* \lt "6*%6. \lt %(%"&')+'(*%&/"6+,, "7(&5+'6?"+""]RMM^"HJU:nHG ; "r]RMM^:#MF:F#M\sb"

QE.F6K"/)I+&,)6F'A', '''(6

HB+(,+P,. ""*" \lt .&5*%7""*"+%2 \lt .5* \lt '&"*9"6 \lt (1."* \lt "B(*,.%6./"(%6,)7(%@"G \lt *?(P(' .7"0*%7)6'b"
\ \F\ " 8* \lt '?"J+%Q. \lt +%7*"C*+7"n*&"H%@...&/"0H"YNNKF"
Q*%'"7.&Z"5?*%."%) 1 P. \lt W"]\#\^"\===:FMN!"

6

0 \lt (1 (%+,"(%B.&'(@+'(*%&" 1+2"P.)&.9), "(%""?."@+'?. \lt (%@"*9" \lt .,.B+%'" .B(7.%6./"5+ \lt '(6),+ \lt ,2"9* \lt .%&(6"
.B(7.%6.b">?."&' +%7+ \lt 7&"9* \lt "9(%7(%@"+"B(*,+ '(*%"*9"6 \lt (1 (%+," +I "+ \lt . "7(99. \lt ."9* \lt 1 ""?."&' +%7+ \lt 7&"9* \lt "
9(%7(%@"+"B(*,+ '(*%"*9"?'(&"G*,(62b"0*%7)6"" 1+2"6*%&'(')'. "G \lt *?(P(' .7"0*%7)6'")%7. \lt "'?'(&"G*,(62"
.B.%"(9",+I".%9* \lt 6.1.%'" +@.%6(.&',+6Z'&)99(6(.%" .B(7.%6."*9"+6 \lt (1." +%7"7.6,(%."'"5* \lt &.6)'.b""
""

H_0"C**1"!!!"

[I I I b*42b.7\)06\(B\(.:<@?'&:'\(':...:4"](#)

]\#\^"#FY:!\R"

\$%7(B(7)+,&" 1+2"+,&*"<.5*<"'*" '?'."9*,,* I(%@"*99(6.&/" I?(6?" I(,,"9*<I+<7"+%2"<.5*<'&"(%B*,B(%@"5*'.'%(+,"G<?*?(P('7"0*%7)6'"**"?'."0(B("C(@?'&"+%7">(',\$E"V99(6.b"

!&#\$5,6>&9+)06

HB(+,P,."+&"+"9(<&"*5'(%%"*" "<.5*<"'+%2"(%6(7.%'"*9"6<(1."*<"B(*,.%6./"+&" I.,,"+&"+"%2"(%6(7.%'&"(%B*,B(%@"G<?*?(P('7"0*%7)6'b"H,&*5*<"B(7.&"+%".&6*<"&.<B(6."*%6+15)&"**"+%2"&')7.%'"'+%7"6+% "<.6?' '?'." ; .+%**%" ;)'2"+'"'+%2"(1.b"HB(+,P,."#="?**)<&"+"7+2"M"7+2&"+" I..Zb"0+15)&"J+9.'2" I(,,"9*<I+<7"+%2"<.5*<'&"(%B*,B(%@"5*'.'%(+,"G<?*?(P('7"0*%7)6'"**"?'."0(B("C(@?'&"+%7">(',\$E"V99(6.b"

Q+6(,'(&"T+%+@.1.%"[),7(%@"

[I I I b*42b.7\)0*99\(6.&:&.<B\(6.&06+15\)&:&+9.'2"](#)

]\#\^"#FY:#FYY"]9<*%'"7.&Z^"

]\#\^"#FY:#F!!"].1.<@.%62",(%.^"*<"7(+,"F"9<*1"+%2"6+15)&"5?*"."

@5#&(6*+, "5/7+,6

HB(+,P,."*%" I..Z7+2&"7)<(%@"<.@),+<"*99(6."?*)<&"*" "<.6.(B."6*15,+(%&"<.,+'.7" '*".15,*2..&"*9"?'."0*,,.@"(%6,)7(%@"9+6),'2b" S)1+% "C.&*)<6.&" I(,,"9*<I+<7"+%2"<.5*<'&"(%B*,B(%@"5*'.'%(+,"G<?*?(P('7"0*%7)6'"**"?'."0(B("C(@?'&"+%7">(',\$E"V99(6.b"

H_0"Q(<&"Q,**<"

[I I I b*42b.7\)0*99\(6.&:&.<B\(6.&0?\)1+%<.&*\)<6.&"](#)

]\#\^"#FY:#K!\"

F+&(6''6>)5-+(,6399'7+1F+&(6''(6F5)06

HB(+,P,."*%" I..Z7+2&"7)<(%@"<.@),+<"*99(6."?*)<&b"H66.&&"*" ; .+%**%" ;)'2"#="?**)<&"+"7+2" P2" 6+,(%@" 0+15)&" J+9.'2" +"]\#\^"#FY:#FYY" 0+% +&&(&" I('?" <.+&*"P,." +66*111*7+'(%&"*9*<"?*)&(%@/"'+6+7.1(6"9,.4(P(,'2/"'+%7"8*"0*%'"+6"n.''.<&b">?." ; .+%*9"J')7.%'&" I(,,"9*<I+<7"+%2"<.5*<'&"(%B*,B(%@"5*'.'%(+,"G<?*?(P('7"0*%7)6'"**"?'."0(B("C(@?'&"+%7">(',\$E"V99(6.b"

[.<Z)&"S+,"

>?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+*'<"I(,,"<.6.(B. "'?. "+%*%21*)&"<.5*<"+"%7" I(,,"7. '.<1 (%. "+%2" +55<*5<(+'. "&' .5&"/(%6,)7(%@"(%7(B(7)+,"*<6* 1 1)%('2"<. 1 .7(."&"+55<*5<(+'. /+"%7"(%"6*%&),'+'(%% I('?'?'."0,.<2">. +1/"6* 15,(+%6." I('?'+" ,,"0,.<2"H6""*P,(@+'(%%&b"H"9<1+,"6* 15,(%"6+%*"P." 9(, .7" +%*%21*)&,2"+%7" (&"*% ,2"6*%&(7.<.7" "*" ?+B. "P. .%9(, .7" I?. %"?'." 6* 15,(%"6*%' +(%&"?'." 6* 15,(%+"A&"5?2&(6+," *<"7(@+' , "&(@%+')<./" *<"*?' .<I (&." (%7(6+' .&" '?'+"?'." 6* 15,(%+" (" '?'." 5.<&*%9(, (%@"?' . "9*<1+,"6* 15,(%"b"

;%<3.#"1F&H*#%.1,\$&KF%16"/&

\$%" +77('(%%"* "<.5*<'(%@"*",+I ".%9*<6. 1 .%*"<'?'."0* ,. @./'&')7.%'&/'9+6),'2/'+"%7"&' +99"&?*) ,7"P." +I +<."*9"?'."9* ,," I (%@" .4' .<+,"@*B. <% 1 .%'+,"+@.%6(.&"?'+"(%B.&'(@+' ."+"%7"5<*6.6)' . "6* 15,(%& *9"5<*(P(' .7"7(&6<(1 (%+'(%%"+"%7"?+<+&& 1 .% "W"

;')%+6<=6! "#\$%'&(7+6

\$%L)((&"*<6* 15,(%"&"6*%6.<%(%"?'."0* ,. @.A&"6* 15,(+%6." I('?'>(',\$E"1+2"P."<.9.<<.7" '*"'?."XbJb" ; .5+<' 1 .% "'*9"37)6+'(%%A&"V99(6."9*<"0(B,"C(@?'&b" XbJb" ; .5+<' 1 .% "'*9"37)6+'(%%V99(6."9*<"0(B,"C(@?'&"J+% "Q<+%6(&6*"" X%(' .7"8+'(%%&"G,+e+/"J)(' .FN" J+% "Q<+%6(&6*/"0+,(9*<%(+"Y=!N#"]=!F^=RK:FFFF" I I I #b.7b@*B0+P*)'0*99(6.&0,(&'0*6<0(%7.4b?' 1, "

L#\$%"0#+()6F',7/'#'(&)"'(6"/6@&/&., #+()6

H%2". 15,*2.. "1+2"5)<&)." +%2"6?+<@. "*9"7(&6<(1 (%+'(%%"* "<'?+<+&& 1 .% "I ('?'?'."0+,(9*<%(+ ; .5+<' 1 .% "'*9"Q+(<"3 15,*2 1 .% "'+"%7" S*)&(%@"]` ; Q3 Sa^"*<"?'."9.7.<+,"3L)+,"V55*<')%'2" 3 15,*2 1 .% "'0* 1 1 (&&(%%"]` 33V0a^b"\$'("&)"% ,+I9),"*"<.' +,(+' ." +@+(%&'+"%2". 15,*2.. "9*< *55*&(%@"?' . "5<+6'(6.&"5<*(P(' .7"P2"?'."0+,(9*<%(+"Q+(<"3 15,*2 1 .% "'+"%7" S*)&(%@"H6""*< 6* 15+<+P, . "9.7.<+," +I "*<"9*<"9(, (%@"+"6* 15,(%" I ('?'/*<"9*<"*?' .<I (&."5+<'(6(5+'(%@"(%+"% (%B.&'(@+'(%%"5<*6. .7(%@"/*<"?' . +<(%@"6*%7)6'.7"P2"?'." ; Q3 S"*<"33V0b"

H%2". 15,*2.. "1+2"5)<&)." +%2"6?+<@. "*9"7(&6<(1 (%+'(%%"* "<'?+<+&& 1 .% "I ('?'?'."0+,(9*<%(+ ; .5+<' 1 .% "'*9"Q+(<"3 15,*2 1 .% "'+"%7" S*)&(%@"]` ; Q3 Sa^b" 0+,(9*<%(+" ; .5+<' 1 .% "'*9"Q+(<"3 15,*2 1 .% "'+"%7" S*)&(%@" \#N" d .&"='?'J'<.. " n*&"H%@., .&/"0+,(9*<%(+"YNN!\ "]#! \^=\Y:KMY"Y"

>?. " []<.+) "9* <"G<(B+'."G* &'&.6*%7+<2"37)6+'(*%"+66.5'&"+,,"25.&"*9"6* 15,+(% '&"<.,+' .7""*
'?." 0*,,.@" . "+%7" 1+2"<.9.<" +%2" 6* 15,+(%'" ("<.6.(B.&" (%6,)7(%@" 6* 15,+(% '&"<.,+' .7" '*"
(%&'(')'(*%+, " 5*(6(.&' * <" 5<*6.7)<.&/' * <" P*?'/' '*"'?'." 0*,,.@" /" +% "+66<.7'(%@" +@.%62/" * <"
+%*'?' .<"+55<*5<(+' . "%'('2"9* <"<.&*,)'(*%b""
[]<.+) "9* <"G<(B+'."G* &'&.6*%7+<2"37)6+'(*%""
#F\F"0+5(*,"V+Z&" ; <(B./"J)('."=NN""
J+6<+ 1 .% '*"/"OH"YFR\ \ "
]Y!K^"=\! :KY#=""
[I I I bP55.b6+b@*B"](#)

A#9%.& ; %<3.#"1F&B31/"7%. ,#"31/k

;'#+%'(+, ,6&(-6Q"7&)'"'(6"96<(7'-+()6

0* 15,+(%+% '&"+%7"'?(<7:5+<'2" I (% .&&.&"<. "%6*)<+@.7""* <.5* <"G<*?(P(' .7"0*%7)6'" +&"&*%*" +&"
5*&&(P,." (% " * <7.<' '*" 1+4(1(e." '?'." 0*,,.@" .A&" +P,('2" '* <.&5*%7" 5<* 15',2" +%7" .99.6'(B.,2b">?."
0*,,.@" .7* .&"%*/"?'* I .B.</' , (1('"'?' . ""(1 ."9<+1 ."9* <"<.5* <'(%@b"\$9"'?' .<.&5*%7.%"'("&"%*"+" 1 . 1P.<"
9"'?' . "V66(7.%"'+, "6 1 1)%('2"'?' . "0*,,.@" . "I(,,"&'(,,"& .Z""*"+Z. "&' .5&""* .%7"'?' . "?+<+&& 1 .% '/"5<.B.%"'
('&'<.6)<<.%6./" +%7" +77<.&&" ('&" .99.6'&/" P)"" ('&" +P,('2" '*" '+Z. " 7(&6(5,(%+<2" +6'(*%*" +@+(%&" "'?' ."
<.&5*%7.%"' 1+2/'*9"6*)<.&./"P.",(1 (' .7b"H%("6(7.%"'7* .&"%*"?' +B. ""*"*66)<"*%6+15)&"*P."<.5* <' .7"
'*"'?' . "0*,,.@" .b""

E#(+,)069"/6E%7" I""6"/63)I+/6F/588U, +6"/63)I+/6! "(-57)6G'""&)"'(" ,6

>?. "0*,,.@" . "&'<*%@" ,2" .%6*)<+@.&"?' . "<.5* <'(%@"*9"G<*?(P(' .7"0*%7)6'")%7.<"'?(&"G* ,(62b"\$'"("&"(%"'?' ."
P.&'('%'<.&"*9"'?'(&6* 1 1)%('2"'?'+"&" 1 +%2"6* 15,+(%+% '&"+&5*&&(P,."6?*"& . ""* <.5* <'""*6*,,.@" ."
*99(6(+,&" +%7" '?'+" 5+<'(6(5+% '&"(%"'?' . "@<(.B+%6. "5<*6.&&"<."9* <'?<(@?''"(% "&?+<(%@"(%9* <1 +'(*%b">*"
@)+<7"+@+(%&"7(&6*)<+@(%@"<.5* <'(%@"* <"5+<'(6(5+'(*%"/+"&')7.%"' I ?*"<.5* <'&"G<*?(P(' .7"0*%7)6'"* <"
5+<'(6(5+' .&"(%"'?' . "@<(.B+%6. "5<*6.&&"/. ('?' .<+&"+6* 15,+(%+%'/'<.&5*%7.%"/'* <+"?'(<7:5+<'2" I ('% .&&/'
I(,,"%*"P."&)

"

"

#R"

&)<B(B*+7B*6+' . h *42b.7)'''

J\#\^"#FY:!\FY"

399'7+69''/6*+%8''5,6T6>\$'/')5&%6Q'9+6

G<*B(7.&"&5(<(')+,"@)(7+%6."+%7("'''?. "6*%' .4'''9"*<7+(%.7"6,.<@2/"6*%9(7.%(+,"&)55*<'b"

S.<<(6Z"\$%'<.9+('?'0.%'<."

I I I b*42b.7)0&')7.%;,(9.0<.&*)<6.&:&)55*<'0*<&,"

J\#\^"#FY:#K#!"

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

V66(7.%(+,"0*,,. @. A&"3 15,*2.. "H&&(&'+%6."G<*@<+ 1 "]3HG^"(&"7.&(@%.7"'*"?.,5" 1+4(1(e." . 15,*2.. &A"? .+,?'"+%7".99.6'(B.% .&&+'?'* 1 . "+%7"+" I *<Zb"H7 1 (%(&' .<.7"P2">? ."J'+%7+<7" '? ."3HG"*99.<&" . 15,*2.. &6*%9(7.%(+,"/5.<&*%+, "&)55*<'9*<"+ I (7. " <+@. "9"(&&).&/"9<* 1 " .B.<27+2"6*%6.<%&""&.<(*)&"5<*P,. 1 &b">?. "3 15,*2.. "H&&(&'+%6."G<*@<+ 1 ("&"+B+(,+P,. "'* . 15,*2.. &"+%7"'? . (<9+1 (,2" 1 . 1 P.<&+"%*"6*&'b"

I I I b? .+,?' +7B*6+' .b6* 1 0&'+%7+<7\ "

JRRR^"#Y\ :KY=R"

L# # "(,6>)5-+()6 2 +%%(+, ,6!+()+V66

II I b<+(%%b**<@"
JRNN^KFK:=KM\"

K&)'\" (&%6F\"#+,)'76G''\"%+(7+6@\"')%'+6

HB+(,+P,.\"#=0M\" '*\" &5.+Z\" 6*%9(7.%'+(,2\" I('?' +%2*%.\" .45.<(.%6(%@\" 7* 1.&'(6\" B(*,.%6./\"
&..Z(%@\"<.&*)<6.&*\"<\"(%9* < 1+'(*%/\"*\"<\"L).&'(*%(%@\")%?.,'?2\"+&5.6'&*9\"?<\"<.,+'(*%&?(5b\"

=\R" d b"n+&">)%&" ; <b"
J+% "_+P<(./"O+, (9*%<(+Y!MMK"
JRMMA^#NY:\N=Y"

QE6! "5()0IU>!6P+- '7&%6!+(+)/6

G<*B(7.&" 1 .7(6+, " '<.+ '1 .%'" +%7" 9*%<.&(6" .4+ 1 &" 5.<9*%<1 .7" P2" J.4)+, " H&&+), " 8)<&." 34+ 1 (%.<&b"n*%&"H%@.,.&"O*)% '2"7.&(@%+' .7" JHC>"O .%'.<b" #N!N"u*%+, "HB.b" n*%&"H%@.,.&"O+, (9*%<(+YNN\ \ "]\#\^"##K:\YK!"

*&\$+6; /+&)#+()6!+(+)/6&6>&()&6P "('7&4U!QE6P+- '7&%6!+(+)/6

G<*B(7.&"9<.. "'<.+ '1 .%'"9*%<"&.4)+, "+&&+), "&)"<B(B*%&/"(6,)7(%@"#="?"*)<." 1 .<@ .%62"1 .7(6+, " 6+<." +%7"9*%<.&(6" .4+ 1 &" 5.<9*%<1 .7" P2" J.4)+, "H&&+), " 8)<&." 34+ 1 (%.<&/"6*)%&., (%@"+%7" 5&26?*"?'<.+52/" +7B*6+62/" +%7" +66* 15+(1 .%'"&.<B(6.&b"n*%&"H%@.,.&"O*)% '2"7.&(@%+' .7" JHC>"O .%'.<b" !#FN"J(4' .%'"?'J'<.. "' J+% '+' T *%(6+/"O+, (9*%<(+YNN=N="]=#-^" #FY:M#NR"]#=: ?*)<?"*!, (%.^"

K77"#31, \$A14B, 0 <+ /& S&A>4B, 0 <+ /& ; %/3+.6%/&

V66(7.%'+, "6* 1 1)%('2"1 . 1 P.<&"?+B." +66.&&"*"+B+<('2"*9<.&*)<6.&"5<*B(7.7"P2""?' .O*, ., .@.b"H., " *%:6+ 15)&"<.5*%<('@" *5'(*%&," (&' .7" +P*B." ?+B." &' +99" 1 . 1 P.<&" '<+(% .7" '*&)55*%<' (%7(B(7)+, &"+99.6' .7" P2" G<*? (P(' .7" O*%7)6" +%7" '*6*%<7(%+' . I ('?'?' . O(B, " C(@?'&" D">(' . "\$E" O*%<7(%+' *%<6*%&(&' .%'" I ('?'?' . O*%, ., .@.A&"6* 1 1 ('1 .%'"*"+&+9." +%7"?' .+, '?2" .7)6+'(*%+, .%B(<*% 1 .% 'b" d ?(, .% *%'" P*%)%7" P2" 6*%9(7.%'+, ('2/" '?*%&" .<.&*)<6.&" I (, " 1+(%'+(%" '?' . " 5<(B+62" *9" +% (%7(B(7)+, A& "(%9*%<1+'(*%&" I ('?'?' ., (1 (' .7"6<6, . "9*%?'&." (%B*, B.7"(%"?' . ">(' . "\$E"<.&*,)'(*% "5<*6.&&b"

J')7.% '&/"9+6), '2/" +%7"&' +99" 1 +2"+, &*"+66.&&"<.&*)<6.&," *6+' .7"(%"?' ., *6+, "6* 1 1)%('2"(%"+77('(*% " *%?'*%&."6*%9(7.%'+, <.&*)<6.&"+P*B.b">? .&." *%<@+(e+'(*%&"6+%5<*B(7."6<(&("%' .<B.%'(*%&.<B(6.&/" 6*)%&., (%@" 1 .7(6+, '+'.% '(*%/" +%7"+&&(&' +6." (%7.+,(%@" I ('?'?' . "6<(1 (%+, "c)&' (6."&2&' . 1 b"\$" 1 +2"P." ?., 59), "9*%<(&)"<B(B*%<&" *%?' +B." &* 1 .%*." I ?*"6+%?' ., 5"?' . 1 " .45, *%<."?' . (<"*99:6+ 15)&" *5'(*%&"+%7" @)(7."?' . 1 "'?'<*)@?' ., .@+, "5<*6.&&.&i"+%"+7B*6+' . "6+%5<*B(7." +&&(&' +6." (%"?' (&" +<.+b"> I *", *6+, "<.&*)<6.&/"G.+6."VB.< - (*, .%6." +%7"?' . "C+5." ">.+ '1 .%'"O .%'.<+" J+% '+' T *%(6+"XOnH" T .7(6+, " O.%'.<"*99.<+7B*6+62"&)"55*%<'b" [., * I "+<.&* 1 ."+77('(*%+, "%%:6+ 15)&" +%7"6* 1 1)%('2"<.&*)<6.&&b"

./"D+7)6>EOL6R>+?5&%6E., &5%6O/+ +6L(A'/" (#+()S6

H%" *%:6+ 15)&" 5<.B.%'(*%"+%7" .7)6+'(*%&)55*%<" 5<*%<+1 "7.7(6+' .7" '*%'.%7(%@"&.4)+, " B(*, .%6."*%&"6+ 15)&"?'<*)@?'<.&*)<6.&/" +7B*6+62/" +%7" .7)6+'(*%+, "5<*%<+1 1 (%@b" J'. I +<':

Q",6E(8+%,6QZJ;6!+(+)/6

G<*B(7.&"&)55*<"+%7"+7B*6+62"&.<B(6.&"9*<"n _ [">6* 1 1)%'2" 1 . 1 P.<&b"
!K#F" 8b"J6?<+7.<" [,B7b"
n* &"H%@.,.&/"0+, (9*<%(+"YNN#R"
.,@P'6.%'.<b*<@"
J)\#\^"YY\ :M=NN"

!&"9"/('&62 "#+(L,6Q&M6!+(+)/6R! 2Q!S6

>?. "0 d n 0"?+&"+'*<%.2&"+B(+,P,."*"&.<B."+&"+<.&*)<6.0+7B(&*<"*V66(7.%'+,"0*,,.@."
6* 1 5,+(%+%&/' (%6,)7(%@"P*?' " 1 .%"+%7" I * 1 .%/ " I ?*" +<."9,(%@">(',\$E"&.4),"+&&+),/'
?+<+&& 1 .%/'"<@"%7.<"7(&6<(1 (%+'(*%6* 1 5,+(%&"+%7"@*(%@"?<*)@?'?."V66(7.%'+,"0*,,.@."
<.&*,)'(*%5<*6.&&b"tG,+.&."%*"/'?'* I .B.</'?+""?."0*,,.@."7*.&"%*"%.%7*<&."*<6* 1 1 .%7"
'?(&"*<@+%(e+'(*%"]*<'?'<."+'*<%.2&^/" +%7" '?+""?."*<@+%(e+'(*%" 1 +Z.&"+% "(%7.5.%7.%"
7.6(&(*%"+P*)""?."6+&.&"?+""(" I (, "+66.5"+%7""?."< 1 &"*9""?."<.5<.&.%'+(*%b"
\KN" 8 * <'?"G+6(9(6"0*+&" S(@? I +2/"J)('.#NMN/"3,"J.@)%7*/"0H"YN#=F"
? '5� I I I b6 I ,6b*<@0"
J)\#\^"YF!:!N=!"

Q(\$D('\$K!7#!G\$-76+&'79!Q?&'79-!

>?. "0*,,.@."(&6* 1 1 ('.7""*5<*B(7(%@"+5<* 1 5/'?'*<*)@?/" .L)('+P,./"+%7"(1 5+<('+,<.&*,)'(*%"9"
+,,<.5*<'7" B(*,+(*%&"*9"?'(&"G*,(62b">?. "0*,,.@.)&.&" I * 5<*6.&&.&" * "<.&*,B."<.5*<'&"*9"
G<?*?(P('7"0*%7)6""%7.<"?'(&"G*,(62b" ; (&6(5,(%+<2"C.&*,)'(*%/" I ?(6?"(B*,B.&"+% "(B.&'+(*%"
+%7"+7c)7(6+(*%"/"+%7"(9"+55<*5<(+/'/'?."(1 5*&('(*%*"9&+%6'(*%&"/"+%7"H7+5'+P,."C.&*,)'(*%/" I ?(6?"
(%6,)7.&"<.&*<+'(B."*5'(*%&"9*<"<.&*,B(%@"<.5*<'&b">?. "0(B,"C(@?'&"D">(',\$E"0**<7(%+'*<" I (, "
7.'< 1 (%."?'."+55<*5<(+'.<.&*,)'(*%5<*6.&&"+9'.<" 1 +Z(%@"+"% "(('+, "+&&.&& 1 .%""*9""?."<.5*<'7"
(%9*< 1 +'(*%/" 6*%&(7.<(%@"?'."&+'7" (%'.<.&*&"*9""?." 5+<('&/" 6+ 1 5)&"&+9.'2"/"+%7"?'."0*,,.@.A&"
P,(@+'(%""* 1 +(('%+(%+"%".%B(<*% 1 .%""9<."9<* 1 "?+<+&& 1 .%'+%7"7(&6<(1 (%+'(*%b"
"

>?. "5<*6.&&.&)"%7.<"'(&"G*,(62"+<."&.5+<+'."+%7"7(&'(%6""9<* 1 "0+, (9*<%(+A&"6<(1 (%+, "5<*6.7)<.&b"
G<*6..7(%&)"%7.<"'(&"G*,(62" 1 +2"P."6+<<(.7*")"5<(*<"/"&(1),'+%.*)&2" I ('?/"*<9*,,* I (%@"6(B,"
*<'6<(1 (%+, "5<*6..7(%&"*99:6+ 1 5)&b"8.'?<+"7.6(&(*%P2",+I ".%9*<6. 1 .%'"<.@+<7(%@"5<*&.6)'(*%"
%*<'?'."*)"6* 1 ."*9"+%2"6<(1 (%+, "5<*6..7(%@" I (, "P."6*%&(7.<.7"7.'< 1 (%+'(B."*9" I ?.'?'<+' +"
B(*,+(*%*"9"?'(&"G*,(62"*66)<<.7b""

'1"#, \$&K//0%1#k

H9'.<"<.6.(B(%@"+<.5*<"*9"G<?*?(P('7"0*%7)6/'?'."0(B,"C(@?'&"D">(',\$E"V99(6." I (, "@+'?<"
(%9*< 1 +'(*%"+P*)""?'."<.5*<'7"6*%7)6""+%7"<.&5*%7""*"+%2"(1 1 .7(+'.?."+,'?'*<'&+9.'2"6*%6.<%&"
<+(&.7"P2""?'."<.5*<'b">?. "0(B,"C(@?'&"D">(',\$E"V99(6." I (, "+&&.&&"?'."6* 1 5,+(%+%&"&+9.'2"+%7"
I .,;P.(%@"*99.<'?'."0*,,.@.A&"(1 1 .7(+'.&)"55*<"+%7"+&&(&'+%6./"+%7"+&&.&&"?'."%'+)<."+%7"
6<6) 1 &'+%6.&"*9""?."<.5*<""*7.'.< 1 (%." I ?.'?'<.'?."<.5*<'7"6*%7)6""<+(&.&+"5*'.%'+,"G*,(62"
B(*,+(*%/" I ?.'?'<'?'."<.5*<'7"6*%7)6""(&" I ('?%"?'."&6*5."*9"?'(&"G*,(62"/"+%7"?'."+55<*5<(+'. "
1 +%%.<"*9<.&*,)'(*%)"%7.<"'(&"G*,(62b""

>?. "0(B,"C(@?'&"D">(',\$E"V99(6."

g '?. "0*,,. @. "?+&"<. 6. (B. 7"+<. 5*<'""?+""?. 2" 1+2"?+B. ". 45. <(. %6. 7" 1 (&6*%7) 6'i"
g <. '+, (+'(%%" 9*<" 9(, (%@" + " 6* 15, +(%'" *<" 5+<'(6(5+'(%@" (%" + " 6* 15, +(%'" 5*<6. &&/" *<" P*?'/" (&
5*<?(P(' . 7i"
g '?. "6*)%&., (%@"<. &*)<6. &"+B(+, +P, . "+'"? . "0*,,. @. " *<(%'"? . "6* 1 1)%('2i"
g '?+/'" I ? . %" + " 6<(1 . " 1+2" ?+B. " *66)<<. 7/" '? . 2" ?+B. " '?. " <(@?' "' *<. 5*<'"" ? . " 1 + ' . <" ' * , + I "
. %9*<6. 1 . %' i"
g '?. " <(@?' "' *& . . Z" 1 . 7(6+, " <. + ' 1 . %' i"
g '?. "0*,,. @. A&"(%B. &'(@+'(%%" 5*<6. 7)<. &i"
g 5*'. %' (+, (%' . <(1 " 1 . +&)<. &'?' + " + <. " +B(+, +P, . i"
g '?. "(15*<' + %6. " *9" 5<. & . <B(%@" . B(7. %6. i"
g +<. L) . &'9*<'?' . "6* 15, +(%+% "' * 1 . . " I ('?' ? . " 0(B, " C(@?' &" D">(' . " \$E" V99(6. " '*7(&6)&&
5'(%&" 9<'<. &5*%7(%@" '*"" ? . " <. 5*<' i""
g '?. " <(@?' "' * " P . " +66* 15 + (% . 7" P2" + % + 7B(&*<" *9" 6?*(6. i" + %7"
g '?. " I +2" ? . " 0*,,. @. " <. &5*%7&" '*<. 5*<'&" *9" 1 (&6*%7) 6'" + %7" + " 7. &6<(5'(%%" *9" 5*'. %' (+, "
7(&6(5, (%+<2" 6*%&. L) . %6. &b"

H&"5+<" *9"" ? . "((' (+, +&&. && 1 . %' / "" ? . " 0(B, " C(@?' &" D">(' . " \$E" V99(6. " I (, , ""

g +&&. &&" ? . "%')<. + %7" 6<(6) 1 &' + %6. &" *9"" ? . " <. 5*<' i""
g +77<. &&" (1 1 . 7(+ ' . " 5?2&(6+, "&+9. '2" + %7" . 1 *' (%+, " I . . , :P. (%@i""
g 6* 1 1)% (6+ ' . "% . 6. &&+<2" 7. ' + (&" *9"" ? . " <. 5*<' "" * 0 + 15) &" J +9. '2" *' . %' . <' ? . " <. 5*<' "" (%' * "" ? . "
0*,,. @. A&" 7+(, 2" 6<(1 . " , *@" (9<. L) (<. 7" P2"" ? . " 0, . <2" H6'i""
g 5*<B(7. " ? . " 6* 15, +(%+% "' I ('? + %" . 45, + % + ' (%%" *9" ? . " 5*<6. 7)<+, " *5'(%&/" (%6,) 7(%@"
; (&6(5, (%+<2" C. &*,)' (%%" + %7" H7+5+P, . " C. &*,)' (%%" i""
g 7(&6)&&" ? . " 6* 15, +(%+% 'A&" 5<. 9. <. %6. " 9*<" 1 + %%. <" *9" <. &*,)' (%%" + %7" + %2" P + << (< &" '*"
5*<6. . 7(%@i""
g 7(&6)&&" ? . " 5*<6. &&" 9*<" 9(, (%@" + " 9*< 1 +, " 6* 15, + (%' i"
g +&&. &&" 9*<" + %2" 5+ ' . <% " *9" 6*%7) 6" P2"" ? . " <. &5*%7. %' i" + %7"
g 7. ' . < 1 (% . "+@. " *9"" ? . " 6* 15, +(%+% 'i" + %7" (9"" ? . " 6* 15, +(%+% "' (&" + " 1 (%*<" *<" I + &" + " 1 (%*<" + "" ? . "
'(1 . " *9" ? . " +, , , @. 7" G<*? (P(' . 7" 0*%7) 6' / " 1 + Z. " ? . " +55<*5<(+ ' . " %*'(9(6+' (%&" '*' &' + ' . "
+@. %6(. &b"

H%2" J) 55*<' (B. " T . +&)<. &" 5) "" (%" 5, +6. " I (, , " P. " Z. 5" 5<(B+ . /" . 46. 5" '*"" ? . " . 4' . %' "" ? + "" 7* (%@" &*"
(15 + < (&" ? . " +P, (' 2" *9"" ? . " (%&')' (%'" * 5*<B(7. "" ? . "&) 55*<' (B. " 1 . +&)<. &b" Q*<. 4 + 15, . / "" * . 99. 6') + ' . "
+ " ? *) & (%@" 6? + % @ . /" &' + 99 + " C. &(7. %' (+, " 37) 6+ ' (%%" + %7" S *) & (%@" J . <B(6. &" I (, , " P. " (%9*< 1 . 7" *9"" ? . "
% . . 7" *' + && (&" I ('? + " ? *) & (%@" 6? + % @ . " + &" 7<. 6' . 7" P2"" ? . " 0(B, " C(@?' &" D">(' . " \$E" 0 * * < 7(% + ' * < " P) "
I (, , % * " " P . " 5 < * B (7 . 7 " I (' ? + % 2 " * 9 " " ? . " 7 . ' + (& " * 9 " + % 2 " 6 * 1 5 , + (% " b d ? . % " " ? . " 0 (B , " C (@ ? ' & " D " > (' . " \$ E "
0 * * < 7 (% + ' * < " 7 . 6 (7 . & " ' * " (% (' + ' . " + % " (% B . & ' (@ + ' (% " / " (1 5 & * . " (% ' . < (1 5 < * ' . 6 ' (B . " 1 . + &) < . & / " * < " + Z . " + % 2 "
* ' ? . < + 6 ' (% " " ? + " (1 5 + 6 ' & " + < . & 5 * % 7 . %' / "" ? . " 0 (B , " C (@ ? ' & " D " > (' . " \$ E " 0 * * < 7 (% + ' * < " I (, , + , & * . % &) < . "
' ? + "" ? . " < . & 5 * % 7 . %' (&" * '(9(. 7" + %7" <. 6. (B. &" I <' . %' (%9*< 1 + ' (%%" * + B(+, +P, . <. &*) <6. & + %7" 5' (%&&b"

H" '?. "6*%6,)&(*%"*9" '?. "(%('(+,"+&&. && 1 .%/'" '?. " 0*,,. @. " I(,,"5<*6. .7" I('?"*%."*9" '?. "9*,,* I(%@"*5'(*%&||"

g G<*6. .7" I('?"+"(%B.&'(@+'(*%"+"%7<.&*,)'(*%")%7.<"'?. " ;(&6(5,(%+<2"C.&*,)'(*%"5<*6.&&"+&*)',(% .7"(% "H55.%7(4"H" *<"H55.%7(4" | b">?(&" I(,,"*66)<" I?. %"+"6* 15,(%+%'"<.L). &'&"+%(%B.&'(@+'(*%/"+"%7" '?. " 0(B("C(@?'&"D">(',"\$E" 0**<7(%+'*<"7. '.<1 (%.&'("(&"+55<*5<(+'.i" I?. %"'?. " 0(B("C(@?'&"D">(',"\$E" 0**<7(%+'*<"7. '.<1 (%.&"'?'+"+%("B.&'(@+'(*%" 1)&'P. " 5)<&). 7" .B.%" I?. %"+" 6* 15,(%+%'"<.L). &'&" '?'+" %*" (%B.&'(@+'(*%" P. " 5)<&). 7i" *<" I?. %" H7+5'+P,."C.&*,)'(*%("&"%*"+"55<*5<(+'. "*<" +B(+, +P, .b""

g

3B.% " (9" '?. " +,,. @+'(*%&" *9" +" 9*<1 +, " 6* 15,+(%'" 9+,, " I('?(%'" '?. " 7.9(%('(*%" *9" >(<,. " \$E" J.4)+, "
[S+<+&& 1.%'/'"?'." 0\(B,"C\(@?'&"D">\(<,. "\\$E"0**<7\(%+'*<" 1+2"JP\)'"\(&"%*"'"<.L\)\(<. 7"'*^7\(& 1 \(&&"+"9*<1 +,"](#)
6* 15,+(%'"*<"+%2"+,,. @+'(*%&"'?'<.(%"(9"+"+"%2"(1 ."7)<(%@"'?'."(%B.&'(@+'(*%"*<"<. &*,)'(*%"5<*6.&&"

g H"6* 15,+(%+%'"%*(9(. &"'?'." 0(B,"C(@?'&"D">(<,. "\$E"0**<7(%+'*<"(%" I<('(%@"'"?'+"'"?'." 2" I *),7"
,(Z."*" I('?'7<+ I "'?'."9*<1 +,"6* 15,+(%'"*<"+%2"+,,. @+'(*%&"'?'<.(%"i"

g >?. "<.&5*%7.%'"(&"%*" ,*%@.<". %<*,,. 7"+"*<". 15,*2.7"P2"'?'." 0*,,. @. i"*<

g 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,+(%'"*<"+,,. @+'(*%&"'?'<.(%"b"

"

\$9"+"9*<1 +,"6* 15,+(%'"(&"7(& 1 (&&.7"P2"'?'." 0*,,. @. "

g >?. "+@. "+%7"<.,+'(*%&?(5"*9"?'."5+<'(.&/"(%6,)7(%@" I ?.'?.<"'?. "C.&5*%7.%'"(&+%". 15,*2.." *9"?'."0*,,.@.i"''''''

g

<.5<. &. % '+ (B. " <+ % & 9. <+ , , "(% 9* < 1 + '(*% "@+ '? . <. 7"+% 7"<. , +'. 7"9(% 7(% @&" '*"'? . " 0(B, "C(@?'&"+% 7">(' , . \$E"V99(6. "'*7. ' . < 1 (%. " I ? . ' ? . <' 9)<' ? . < (%B. &' (@+ '(*% ("&"% . 6. &&+<2") % 7. <' ? (&"G* , (62b"

>)& (- & / - 6 "9%LA' - + (7+6

>? . " &' + % 7+<7"9* < 7. ' . < 1 (% (% @ " I ? . ' ? . <' ? . " <. & 5*% 7. % "' (&" <. & 5*% & (P, . " 9* < + " 5* , (62"B(* , + '(*% ("&" ? . " 5<. 5*% 7. <+ % 6. " * 9" ? . " . B(7. % 6. " &' + % 7+<7"/" (b. b/" I ? . ' ? . <' (" (&" 1 * <. , (Z. , 2" ? + % "% * "' ? + "' + "B(* , + '(*% " * 9" 0* , , . @ . " 5* , (62" * 66) << . 7b"

K"6! " (9%'7)6"9%< (+ / + ,) 6 " / 6J' & , 6

H% 2" (% 7(B(7) + , " 6+<< 2(% @ *) "' ? . & . " 5<* 6. 7) <. &" 1) &" P. " 9< . . " 9<* 1 "+% 2"+6') + , " 6*% 9, (6'" * 9" (% ' . < . &" * < " P(+&" ? + " I *) , 7" (1 5+6" "' ? . " ? + % 7, (% @ " * 9" ? (&" 1 + ' . < b" J ? *) , 7" ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " ? + B. " + " 6*% 9, (6'" * 9" (% ' . < . &' / "' ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " (&" '* " (1 1 . 7(+ ' . , 2" % * ' 92" ? . " G< . & (7. % " * 9" ? . " 0* , , . @ . / " I ? * " I (, , + 55* (% " + " 0* , , . @ . " + 7 1 (% (&' < + '* < " * & . < B. " + &" H6' (% @ " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " 9* < " ? . " 1 + ' . < + " (" & &) . b" > * < + (& . " + % 2" 6*% 6. < % (% B* , B(% @ " P(+&' / " 6*% 9, (6'" * 9" (% ' . < . &' / '* < " 7 (& 6< (1 (% + ' (*% " P2" ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " / 5, . + & . " 6*% ' + 6" "' ? . " V99(6. " * 9" ? . " G< . & (7. % ' b"

"

J ? *) , 7"+% 2"\$ % B. &' (@+ '* < " ? + B. " + " 6*% 9, (6'" * 9" (% ' . < . &' / "' ? . " \$ % B. &' (@+ '* < " (&" * % * ' 92" ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " (1 1 . 7(+ ' . , 2") 5*% 7 (& 6* B. < 2" * 9" ? . " 6*% 9, (6'b" 3+6? " 5+< 2" 1 + 2" * Pc. 6" "' * " ? . " 7. & (@% + ' . 7" \$ % B. &' (@+ '* < " S . + < (% @ " V99(6. < / " * < " + 55. + , & * 99(6. < / " * % " ? . " @ < *) % 7 & " * 9" + % " + 6') + , " P(+&' * < " 6*% 9, (6'" * 9" (% ' . < . &' b" \$ 9" + % 2" 5+< 2" * Pc. 6' & / "' ? . 2" 1) &" % * ' 92" ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " / " (% I ? (6? " 6+& . " ' ? . " 0(B, "C(@?'&"D">(' , . "\$E" 0**< 7(% + '* < " I (, , . B+ ,) + ' . " I ? . ' ? . <' ? . " * Pc. 6' (*% (" & &) P &' + % ' (+ . 7b" > ? . " 5+< 2" < + (& (% @ " ? . " * Pc. 6' (*% " I (, , P. " % * ' 9(. 7" (% I < (' (% @ " * 9" ? . " 7. ' . < 1 (% + ' (*% " I (' ? (% " ? < . .] \ ^ " P) & (% . & &" 7+2&b" \$ 9" (" (&" 7. ' . < 1 (% . 7" ' ? + " + % " + 6') + , " P(+&' * < " 6*% 9, (6'" * 9" (% ' . < . &" . 4 (&' & / " ? . " 5. < & * % " I ? * " I + &" ? . " &) Pc. 6" * 9" ? . " * Pc. 6' (*% " I (, , P. " < . 1 * B. 7"+% 7"< . 5, + 6. 7b"

P " - '9'7&)"' (6"9% . / " 7+ , , + , 6

>? . " 0* , , . @ . " I (, , " 9* , * I " ? . " G<* 6. & & . & " 7. & 6< (P. 7" ? . < . (% P+<< (% @ " . 46. 5' (*% + , " 6< 6) 1 &' + % 6. & b" \$ % " < + < . " (% &' + % 6. & / " ? * I . B. < / " ? . " 0* , , . @ . " 1 + 2" P. " < . L) (< . 7" '* " + 7+5" * < " 1 * 7(92" ? . " G<* 6. & & . & "] (% 6,) 7 (% @ " (1 . , (% . & ^ " * . % &) < . " 5<* 1 5" + % 7" . L) (+ P, . < . & * ,) ' (*% " * 9" + < . 5* < " * "

"

>?(&"5*,(62"7.&(@%+'.&"<.+&*%+P,2"5<* 1 5'"(1 .9<+ 1 .&"9*<"'?. " 1+c*<"&'+@.&"*9"'?. "(%B.&'(@+'(*%"+%7"
<.&*,)')(*%"5<*6.&&]"'25(6+,,2"&. "'9*<'?"(%P)&(%.&&"7+2&^/"P)'"'?. "0*,,.@. " 1+2".4'.%7"+%2"(1 .9<+ 1 ."
(%"'?(&"5*,(62"9*<"@**7"6+)&.b"H%" .4'.%&(*%" 1+2"P.<.L)(<.7"9*<"@**7"6+)&."*% .%&<."/9*<".4+ 1 5,./"
'?. "(%'.@<('2"+%7"'?*<*)@?%.&&"*9"'?. "(%B.&'(@+'(*%i"*6* 1 5,2" I('?"+"<.L).&"P2",+ I".%9*<6. 1 .% 'i"

E-A', "/6

" = !"

"

* ?? \$9@ '>!*)!C'-%'?6'94D=!G\$-76+&'79!7#!4!SD'\$(49%\$!7#!3'&6\$!: I!L\$>+46!
T4D4-- <\$9&!!

H55.%7(4" H" *)',(%.&"'?. " 7(&6(5,(%+<2" <.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,@." 9*,,* I &" (%<.&*B(%@"
+,,@+'(*%&"'?'+" 5.<&*%"?'&"P..%"&)Pc.6'.7"'*">(,."\$E"J.4)+,"S+<+&&1.%"(%"B(*,+('(*%"*9"'?. "
0*,,@.A&"J.4)+,"+%7"\$%'<5.<&*%+, "T (&6*%7)6"G*,(62b"

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

X5*% "'?. "9(,%@"*9"+ "Q* < 1+, "0* 15,+(%'

"

>?. "%B.&'(+*<" I(, "5<.5+<." + " &) 1 1+<2" *9" .+6?" (%'.<B(. I]`\$%'.<B(. I J) 1 1+<2a^b" >?. "
 %B.&'(+*<" I(, "&?+<." "?."\$%'.<B(. I J) 1 1+<2" I('?'?'?."(%'.<B(. I .b">?.("%'.<B(. I . I(, "?+B."
 '?<."]\^"P)&(%.&&"7+2&"*6* <<.6""* <6* 1 1 .%""*%"+2"&'+' . 1.%'&" 1+7."(%""?."\$%'.<B(. I J) 1 1+<2b"
 >?. "7.+7,(% . "1+2" P. ".4".%7.7"9* <"_ * * 7" 0 +) &./") 5*% <.L) .&""*""?."\$%B.&'(+* <b"\$9""?."(%'.<B(. I ."
 ?+&" %* "6* <<.6'(%&" * / " * < 6* 1 1 .% ' & " * % / " ' ? . " \$ % ' . < B (. I " J) 1 1 + < 2 / " ' ? . " (% ' . < B (. I . . " I (, " & @ % " + %"
 +6Z% * I , . 7 @ . 1 . % " " ' ? + " ' ' ? . " (% ' . < B (. I . . " ? + & " < . B (. I . 7 " + % 7 " + @ < . . & " ' ? + " ' ' ? . " \$ % ' . < B (. I J) 1 1 + < 2 " (& "
 +66) <+ . " b " \$9" ' ? . " (% ' . < B (. I . . " ? + & " 6 * <<.6'(%&" * < 6* 1 1 .% ' & " ' * " ' ? . " \$ % ' . < B (. I J) 1 1 + < 2 / " ' ? . "
 (%'.<B(. I . . " 1+2"&) P 1 (" + " I < (' . % " < . & 5 * % & . " I (' ? (% " ' ? < . .] \ ^ " P) & (% . & & " 7 + 2 & " < . 9 . 6 ' (% @ " + % 2 " + 7 7 (' * % & "
 * < 6 ? + % @ . & " I ? (6 ? " " ? . " (% ' . < B (. I . . " P . , (. B . & < . % . 6 . & & < 2 " " * . % &) < . " ? . " + 6 6) < + 6 2 " * 9 " ? . " (% ' . < B (. I . . A & "
 &' + . 1 . % ' b " \$9" % * < . & 5 * % & . " (& < . 6 . (B . 7 " 9 < * 1 " ' ? . " (% ' . < B (. I . . " P 2 " ' ? . " 7 . + 7 , (% / " ' ? . <) \$ % ' . < B (. I "
 J) 1 1 + < 2 " 1 + 2 " P . " (% 6 ,) 7 . 7 " (% " " ? . " \$ % B . &' (+ * < " % C . 5 * < " + % 7 " I (, " P . " 5 < . &) 1 . 7 " * " P . " + 6 6) <+ . " b "\$ % " + , "
 (%&' + % 6 . & " I ? . < . " ? . " \$ % B . &' (+ * < " (% 6 ,) 7 . & " ' ? . " \$ % ' . < B (. I J) 1 1 + < 2 " + & " + % . 4 ? (P " " * " + < . 5 * < / " ' ? . "
 %B.&'(+*<" I(, "+, &*"(% 6 ,) 7 . " + % 2 " < . & 5 * % & . b "

"

3+6?"5+<2" I(, "P."5<*B(7.7" I('?'+'% *55* <') (' 2 " * " * 9 9 . < " < . , . B + % " " I (' % . & & " & " + % 7 " . B (7 . % 6 . " b " > ? . "
 %B.&'(+*<" I(, "6*%&(7.<+ , " < . , . B + % " " . B (7 . % 6 . / " P * " ? " (% 6) , 5 + * < 2 " + % 7 " . 4 6) , 5 + * < 2 b " H , " (% 9 * < 1 + ' (* % "
 9 * < " 6 * % & (7 . < + ' (* % " P 2 " ' ? . " S . + < (% @ " V 9 9 (6 . < " 1) & " P . " 5 < * B (7 . 7 " * " ' ? . " \$ % B . &' (+ * < " + & " 5 + < " " 9 " ' ? . "
 (%B.&'(+* < " % 5 < * 6 . & & b "\$ 9 * < 1 + ' (* % " ' ? + " " I + & " % * " " 5 < * B (7 . 7 " * " ' ? . " \$ % B . &' (+ * < " I (, " % * " P . " + , * I . 7 "
 7) < (% @ " ' ? . " ? . + < (% @ " (' & . , 9 ") % , & & " (" 6 + % " P . " 6 . , + < , 2 " 7 . 1 * % & ' < + ' . 7 " ' ? + " " &) 6 ? " (% 9 * < 1 + ' (* % " I + & " % * "
 < . + & * % + P , 2 " Z % * I " " * * < " + B + (, + P , . " " * * " ? . " 5 + < ' (. & " + " " ? . " (1 . " * 9 " " ? . " (% B . &' (+ * < " b "\$ 9 " . I " . B (7 . % 6 . " (& "
 5 < * B (7 . 7 " + " " ? . " ? . + < (% @ / " ' ? . " S . + < (% @ " V 9 9 (6 . < " (' ? . < < . c . 6 " " ? . " % . I " . B (7 . % 6 . / " * < & . % 7 " " ? . " 6 + & . " P + 6 Z "
 * " " ? . " \$ % B . &' (+ * < " 9 * < 9) < ' ? . < " 9 + 6 ' : @ + ' ? . < (% @ / " (% " " ? . " & * , . 7 (& 6 < . ' (* % " * 9 " " ? . " S . + < (% @ " V 9 9 (6 . < b "

LA' - + (7+6*+A'+M6

H""?' . "6*%6,)&(*% *9"+, "(%'.<B(. I &+%7"9+6""@+'? . <(% @ / " + % 7 " I ? . % " " ? . " . B (7 . % 6 . " ? + & " P . " % @ + ' ? . < . 7 " / "
 ' ? . " \$ % B . &' (+ * < " I (, " 5 < * B (7 . " . + 6 ? " 5 + < 2 " " ? . " * 5 5 * < ') (' 2 " * " < . B (. I " + , " * 9 " " ? . " . B (7 . % 6 . " @ + ' ? . < . 7 " " ? + "
 (&"7(<.6',2<. , + ' . 7 " * " " ? . " + , . . @ + ' (* %] & ^ b " > ?) (&" I (, " (% 6 ,) 7 . " P * " ? " (% 6) , 5 + * < 2 " + % 7 " . 4 6) , 5 + * < 2 " . B (7 . % 6 . b "
 _ (B . " " ? . " & . % & (' B . % + ') < . * 9 " " ? . " (% 9 * < 1 + ' (* % " 5 < * B (7 . 7 " " ? . " (% 9 * < 1 + ' (* % " I (, " P . " 5 < * B (7 . 7 " (" + & . 6) < . "
 1 + % % . < "] . b @ b " / " P 2 " 5 < * B (7 (% @ " 7 (@ (' + , " 6 * 5 (. & " * 9 " ' ? . " 1 + ' . < (+ , & " ' ? < *) @ ? " + " 5 < * ' . 6 ' . 7 " / " < . + 7 : * % , 2 a " I . P "
 5 * < + , ^ b " 8 . (' ? . < " ? . " 6 * 1 5 , + (% + % " " % * < " ? . " < . & 5 * % 7 . % " "] % * < " ' ? . (< " + 7 B (& * < & ^ " 1 + 2 " 6 * 5 2 " / < . 1 * B . / "
 5 ? * * @ < + 5 ? " 5 < (% / " (1 + @ . " / B (7 . * + 5 . / " < . 6 * < 7 " * < (% + % 2 " 1 + % % . < " * " ? . < I (& . 7) 5 , (6 + ' . * * < . 1 * B . " ? . "
 (%9 * < 1 + ' (* % " 5 < * B (7 . 7 b " H % 2 " & ') 7 . % " * < . 1 5 , 2 . . " I ? * " 9 + (, & " * " + P (7 . " P 2 " ' ?) (&" 1 + 2 " P . " &) P c . 6 " " * "
 7 (& 6 (5 , (% . b " H % 2 " + 7 B (& * < " I ? * " 9 + (, & " * " + P (7 . " P 2 " ' ?) (&" 1 + 2 " P . " &) P c . 6 " " * " 7 (& 6 (5 , (% . " + % 7 0 * < " 1 + 2 " P . "
 . 4 6) , 7 . 7 " 9 < * 1 " 9) < ' ? . < " 5 + < ' (6 (5 + ' (* % " (% " " ? . " 5 < * 6 . & & b "

"

3+6?"5+<2" 1+2"<. &5*%7""*""? . " . B (7 . % 6 . " @ + ' ? . < . 7 b " 3 + 6 ? " 5 + < 2 " I (, " ? + B . " . % "] ! N ^ " P) & (% . & & " 7 + 2 & " (% "
 I ? (6 ? " " * < . & 5 * % 7 " " * " " ? . " . B (7 . % 6 . b " 3 + 6 ? " 1 + 2 " 5 < * B (7 . " + < . & 5 * % & . " (% " I < (' (% @ " " * " " ? . " \$ % B . &' (+ * < " b " > ? . "
 %B.&'(+*<" I(, "(%6* < 5 * < + ' . " + % 2 " < . & 5 * % & . " 5 < * B (7 . 7 " P 2 " " ? . " 5 + < ' (. & " (% " " * " " ? . " \$ % B . &' (+ * < " % C . 5 * < ' b "
 H , % @ " I (' ? " ' ? . (< < . & 5 * % & . " ' * " ' ? . " . B (7 . % 6 . / " . + 6 ? " 5 + < 2 " 1 + 2 " + , & * &) P 1 (" + " I < (' . % " < . L) . & " " 9 * < "
 + 7 7 (' * % + , " (% B . &' (+ * < " / &) 6 ? " + & " + < . L) . & " " 9 * < " + 9 * , * I :) 5 " (% ' . < B (. I] & ^ " I (' ? " . 4 & (% @ " I (' % . & & . & " * "
 6 , + < (9 2 " * < " 5 < * B (7 . " + 7 7 (' * % + , " (% 9 * < 1 + ' (* % / " (% 6 ,) 7 (% @ " * 9 9 . < (% @ " L) . & ' (* % & " " * " " ? . " \$ % B . &' (+ * < " " * " 5 * & . "
 ' * " I (' % . & & . & " * < " " * " " ? . " * " ? . < " 5 + < 2 b " > ?) (&" < . & 5 * % & . " 1 + 2 " (% 6 ,) 7 . " I < (' . % / " < . , . B + % " " L) . &' (* % & " ' ? + " + "
 5 + < 2 " I *) , 7 " , (Z . " ' ? . " \$ % B . &' (+ * < " ' * " + Z " ' 9 " + % 2 " 5 + < 2 " * < " I (' % . & & "] + " " ? . " 7 (& 6 < . ' (* % " * 9 " ' ? . "
 %B.&'(+* < " b "\$ 9 " + % 2 " * 9 " " ? . " L) . &' (* % & " 5 * & . 7 " I (, " P . " . 4 6 ,) 7 . 7 " + & " % * " < . , . B + % / " * < " % * " " , (Z , 2 " * " , . + 7 "

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

X5*%<.6.(5"*9".+6?"5+<'2A&"<.&5*%&."**"'?'."B(7.%6."<.B(. I .7/"'?'.\$%B.&'(@+'*<" I(, "7.'.<1(%."9"
+%2"+77('(%%+,("%B.&'(@+'(%%("&%..7.7b"\$%"+77('(%%/".'?'<."5+<'2" 1+2"*99.<"% . I " I ('%.&&.&"*<"*?'<."<
% . I ".B(7.%6.b">?."\$%B.&'(@+'*<" I(, "6*%&(7.<"'?'<.&5*%&.&"5<*B(7.7" I(, "5*&."L).&'(%%&"**5+<'(.&"
*<" I ('%.&&.&"+&"+55<*5<(+'. "J+"*'?'."7(&6<.'(%%*"9"'?'."\$%B.&'(@+'*<^/"+%7"(%'<.B(. I "% . I " I ('%.&&.&/"
+%7"+66.5""% . I /" <.,.B+% '/'" .B(7.%6.b"\$9" % . I "<.,.B+% '" .B(7.%6." (&" 5<*B(7.7" P2" .('?'<."5+<'2/" *<"
@+'?'<.7" P2" '?'." \$%B.&'(@+'*</" '?'." % . I ,2" @+'?'<.7" .B(7.%6."](%6,)7(%@" +%&I .<&" '*" 6,+<(92(%@"
L).&'(%%&^" I(, "P." 1+7."+B+(, +P, ."9*<"<.B(. I "P2".+6?"5+<'2b"3+6?"5+<'2" I(, "?+B."9(B. "JF^"P)&(%.&&"
7+2&'(%" I ?(6?"**"<.&5*%7""**"'?'."% . I ".B(7.%6.b"3+6?" 1+2"5<*B(7."+<.&5*%&."(%" I <'(%@"/*<"B.<P+, ,2/"
'*"'?'."\$%B.&'(@+'*<b">?."\$%B.&'(@+'*<" I(, "(%6* <5* <+'."+%2" I <'.'%<.&5*%&."5<*B(7.7"P2"'?'."5+<'(.&"
(% '*"'?'."\$%B.&'(@+'(%% "C.5* <'b"
"

H%2".B(7.%6."**"P."6*%&(7.<.7"P2"'?'."S.+<(%@"V99(6.<" 1)&'P."5<*B(7.7""**"'?'."\$%B.&'(@+'*<"7)"<(%@"
'?'." 9+6':@+'?'<(%@" 5* <'(%% " *9" '?'." (%B.&'(@+'(%%b" \$%9* <1+'(%% " '?'+' I +&" %*'" 5<*B(7.7" '*"'?'."
\$%B.&'(@+'*<" I(, "%*'"P."+, ,* I .7"7)"<(%@"'?'."?'+<(%@"('&.,9/"%) ,.&&"('6+%"P."6., +<,2"7. 1 *%&'<+' .7"'?'+'
&)6?" (%9* <1+'(%% " I +&" %*'"<.+&*%+P,2" Z%* I %" '*/" *<" +B+(, +P, ." '*/" '?'." 5+<'(.&" +"'?'." '(1 ." *9" '?'."

- % , . " 1F&

S . + < (% @ & " I (, , " P . " ? . , 7 " B (+ " B (7 . * 6 * % 9 . < . % 6 (% @ b " G < (* < " * " " ? . " ? . + < (% @ / " " ? . " S . + < (% @ " V 9 9 (6 . < " I (, , < . 6 . (B . " (% & ' <) 6 ' (* % & " < . @ + < 7 (% @ " ' ? . " * 5 . < + ' (* % " * 9 " + % 2 " +) 7 (* : B (&) + , " . L) (5 1 . % " 9 * < " ' ? . " ? . + < (% @ b " 3 + 6 ? " 5 + < ' (6 (5 + % " " I (, , + , & * " P . " 5 < * B (7 . 7 " I (' ? " (% & ' <) 6 ' (* % & " * % " ? * I " " * " + 6 6 . & & " " ? . " ? . + < (% @ b " 3 + 6 ? " ? . + < (% @ " I (, , " P . " +) 7 (* " < . 6 * < 7 . 7 b " 8 * " (% 7 (B (7) + , " (& " 5 . < 1 (' . 7 " " * " < . 6 * < 7 " I ? (, . " ' ? . " ? . + < (% @ " (& ' + Z (% @ " 5 , + 6 . b " > ? . " < . 6 * < 7 (% @ " (& " " ? . " 5 < * 5 . < ' 2 " * 9 " V 6 6 (7 . % ' + , " 0 * , , . @ . " P) " " I (, , " P . " + B + (, + P , . " * " " ? . " 5 + < ' (. & " 9 * < , (& ' . % (% @ " P 2 " 6 * % ' + 6 ' (% @ " " ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < b " "

> ? . " 6 * 1 5 , + (% + % ' / " < . & 5 * % 7 . % ' / " + % 7 " ' ? . " S . + < (% @ " V 9 9 (6 . < " + , , " ? + B . " ' ? . " < (@ ? " " * " 6 + , , " I (' % . & & . & b " d (' % . & & . & " 1) & " " ? + B . " (% 9 * < 1 + ' (* % " < . , . B + % " " * " " ? . " (% 6 (7 . % ' b " 8 * " 5 + < ' 2 " I (, , " P . " 5 . < 1 (' . 7 " " * " 6 + , , " + & " + " I (' % . & & " + % 2 * % . " I ? * " I + & " % * " " (% ' . < B (. I . 7 " P 2 " ' ? . " \$ % B . & ' (@ + ' * < " + & " 5 + < " " 9 " ' ? . " G < . , (1 (% + < 2 " \$ % B . & ' (@ + ' (* % b " 3 + 6 ? " 5 + < ' 2 " 1) & " &) P 1 (" " " ? . " % + 1 . & " * 9 " I (' % . & & . & " ' ? . 2 " I *) , 7 , (Z . " " * " 6 + , , " * " " ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " 0 * * < 7 (% + ' * < " % * " , . & & " " ? + % " 9 (B . "] F ^ " P) & (% . & & " 7 + 2 & " (% " + 7 B + % 6 . " * 9 " " ? . " ? . + < (% @ b " G + < ' (. & " I (, , " ? + B . " " ? . " * 5 5 * < ') (' 2 " " * " &) P 1 (" " I < (' . % " L) . & ' (* % & " ' * " " ? . " ? . + < (% @ " * 9 9 (6 . < " (% " + 7 B + % 6 . " * 9 " ' ? . " ? . + < (% @ b

S.+<(%@"V99(6.<b">?. " S.+<(%@"V99(6.<" I(,,"7.'.<1(%.'?'<.,.B+%6."*9".+6?"L).&'(*%"+%7".45,+("%
I?2"+%2"L).&'(*%"(&"7..1.7"(<<.,.B+% 'b"3+6?"5+<'2" I(,,"?+B."?'."*55*<')%('2" '*" 1+Z."+"6,*&(%@"
&'+' . 1.% 'b">?(&'&'+' . 1.%'(&' '* "P." 1+7."P2"?' .5+<'2"7(<.6',2/'+%7%*" 'P2"?' .(<" +7B(&*<b">?(&"6,*&(%@"
&'+' . 1.%'(&"%*" ".B(7.%6."P)'"(&("%'.%7.7"+&"+%*"55*<')%('2" '*"+77<.&&"'?' . ; .6(&(*%

(&"<. &5*%&(P,."9*<"*% ."*<" 1 *<. "B(*,+ '(*%&"*9"'? ."0*,,. @. A&"+% '(7(&6<(1 (%+'(*% "5*,(6(.&/'?' ."0*,,. @. " I(,," (&&)." &+%6'(*%&" 6* 1 1 .%&)<+'. " I('?" '?' ." B(*,+ '(*%]&^" (" +66*<7+%6. " I('?" [H55.%7\(4" ;](#) " *< [H55.%7\(4"3](#)b"H%2"&+%6'(*%&"(&&).7" I(,,"P. "(%6,)7.7"("%"?' ."S. +<(%@"V99(6.<A&" I<('.'%7.'. <1 (%+'(*%b"

K<<%,\$/k

H55.+,&" 1 +2"P. "9(, .7"P2". ('? .<"5+<'2"+%7" 1)&"P. "&.% ""*"'? ."0(B("C(@?'&"D">(',."\$E"0**<7(%+'*<b" d ?.% "+%"+55.+, (&"9(, .7/"?' ."*'?' .<"5+<'2" I(,,"P. "%*'(9(.7/"("% I<('(%@/"+"%7" I(,,"?' .%" ?+B. "9(B. "JF^" P)&(% .&&"7+2&"* "<. &5*%7" *"'? ." +55.+,b"H%2"5+<'2A&"7.6(&(*% "%*"'* "&)P 1 (" +<.5,2" *"+%"+55.+, (& "%*"' .B(7.%6. " '?'+" '?' . "%*% :+55.+, (%@" 5+<'2" +@<..7" I('?" '?' ." +55.+,b" >? ." +55.+,&" 5<*6.&&" (& 7*6) 1 .%' +<2" *%,2/" +%7" %*"' ? .+<(%@" (&" ?..7b" H55.+,&" I(,,"9*,, * I " '?' ." 5<*6.7)<.&" *)',(% .7" (% [H55.%7\(4"Q](#)b"

"

"

!

"

***??\$9@'>!U)!C'-%'?6'94D=!G\$-76+&'79!7#!4!SD'\$(49%\$!7#!A79B3'&6\$!: I!
R'-%79@+%&!**

H55.%7(4" ["*'),(%.&"'?. " 7(&6(5,(%+<2" <.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,@." 9*,,* I&" (%<.&*B(%@"
+,,@+'(*%&" '?'+" + 5.<&*%" ?+&" P..%" &)Pc.6'.7" '*"
[8*%:>\(,." \\$E" T\(&6*%7\)6'" P2" +" &'\)7.%'/"](#)
+7 1 (%&'<+ '*</' &'+99/" *<" 9+6), '2" 1 . 1 P.<" (% "B(*,+(*%" *9'?. " 0*,,@.A&" J.4)+," +%7" \$%'<5.<&*%+,"
T(&6*%7)6'"G*,(62b"

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

>?."\$%B.&'(@+'*<" I(,,"5<.5+<."+" I<''.%<.5*("&) 1 1+<(e(%@"+,,"<.,.B+%'" .B(7.%6."@+'?<.7"+%7"+,," (%B.&'(@+'(B."&' .5&'" +Z.%""*7+' .b">?."5+<'(.&" I(,,"?+B." .%"!]N^"P)&(%.&&"7+2&""*(%&5.6""+%7"<.B(. I "'?." .B(7.%6."+%7"&)P 1 ("+" I<''.%<.5*%&."(%" I<'(%@"'""*""?."\$%B.&'(@+'*<b">?."0(B("C(@?'&"D">('," \$E"0**<7(%+'*<" I(,,"?+B."?"7(&6<.'(*""*".4'.%7""?." .B(7.%6."<.B(. I "5.<(*7"P+&.7"*%""?."B*,) 1 ." +%7"%+'<."*9""?." .B(7.%6.b""

d ?.%7.. 1 .7"+55<*5<(+'. "P2""?."\$%B.&'(@+'*</"'?"\$%B.&'(@+'*<" I(,,"6*%7)6""+%2"+77('(*%+, "9+6': @+'?<(%@"&" 1 +2"P."%.6.&&+<2b"\$9"% . I/"<.,.B+%'" .B(7.%6." I +&"&)P 1 ('.7"+&"5+<'""*9".B(7.%6."<.B(. I /" *<"(&"@+'?<.7"7)<(%@"'?(&"&.6*%7"9+6':@+'?<(%@"5.<(*7/"'?"% . I "<.,.B+%'" .B(7.%6." I(,,"P." 1 +7." +B+(, +P, ."9*%<.B(. I "P2""?."5+<'(.&"+%7""?<(" +7B(&*<&b">?."5+<'(.&" I(,,"?+B."9(B."]F^"P)&(%.&&"7+2& "'*5<*B(7."+"<.5*%&." ""*""?."% . I ,2"@+'?<.7".B(7.%6.b"8*%". I ".B(7.%6." I(,,"P." +66.5'.7"+&"5+<'""*9" +%2"<.5*%&./".46.5""'+""?."(%B.&'(@+'*<" I(,,"?+B."?"7(&6<.'(*""*"+66.5""<.,.B+%'" .B(7.%6."?'+" I +&"%*""5<.B(*)&,2"+B+(, +P, ." *<"Z%* I %""*".4(&/'+"%7""?+" I +&"%*""5<.B(*)&,2"7(&6*B.<+P, ." I ('?""?." .4.<6(&."*9"<.+&*%+P, ."7(,@.%6.b""

>?."\$%B.&'(@+'*<" I(,,"6*%&(7.<'?" .5+<'(.&" I<''.%<.5*%&.&"P.9*<.9(%+, (e(%@"'?" (%B.&'(@+'(*%<.5*<b""

≡%#%. 0"1,#31&

>?."\$%B.&'(@+'*<" I(,,"&.<B."+&""?." ; .6(&(*%: 1 +Z.<b">?." ; .6(&(*%: 1 +Z.<" I(,,"

??\$9@'>!8)! @4?&456\$!G\$-76+&'79!JD7%\$@+D\$-!

H7+5'+P,..<.&*,)('*(%("+"B*,)%'+<2/'<. 1.7(&:P+&.7/'&'<)6')<.7"(%'.<+6'(%*"P.' I..%*"<"+1*%@"
+99.6'.7"5+<'(.&'?'+"P+,+%6.&)&55*("<"+%7"+66*)%' +P,(('2" I('?'*)"' +Z(%@"9* <1+, "7(&6(5,(%+<2"+6'(%*"
+@+(%&"'?'<.&5*%7.%'b" H7+5'+P,..<.&*,)('*(%(" @.%<+,,2"7.&(@%.7" '*"+,,* I" '?'<.&5*%7.%" '*"
+6Z%* I,..7@." ?+<1" +%7" +66.5'" <.&5*%&(P,(('2" 9* <".5+<(%@" ?+<1"]' *' '?'<." 4'.%" 5* &&(P, .^"
.45.<(.%6.7"P2"'?'."6* 15,+(%+%'" +%70* <'?'."0*,,.@."6* 1 1)%('2b" H7+5'+P,..<.&*,)('*(%(" &"7.&(@%.7"
'*'.,(1(%+'.'?'."G<*?(P('7"0*%7)6/'/5<.B.%'"('&'<.6)<<.%6./'+%7"<. 1.72"('&.99.6'&'(%" +1+%%.<"?+'"
1..&'?'."%..7&"*9" '?'."6* 15,+(%+%'" I?(,." 1+(%'+(%@" '?'." &+9.'2" *9" '?'."6+15)&"6* 1 1)%('2b"
H7+5'+P,..<.&*,)('*(%(" 1+2"%*"P.")&.7"(%"6&.& I?<."+"%". 15,*2..("&+,,.@.7" '*"?+B."6* 1 1('7"
>('."\$E"J.4)+,"S+<+&&1.%"'+@+(%&"+"&')7.%'b">?'."0*,,.@." I(,,"%*" 1+%7+'." 1.7(+('%"*%<.&* ,B."
+,,.@+'(%&"*9" &.4)+," ?+<+&&1.%'/' +%7" I(,,"%*" +,,* I" 1.7(+('%" / .B.%" *%"+ B*,)%'+<2" P+&(&' '*"
<.&* ,B." +,,.@+'(%&"*9" &.4)+,"B(*,.%6.b"

>?. "0(B,"C(@?'&"D">('," \$E"0**<7(%+'* <".B(. I&"'?'." 1+'.' <"*"'?'."4'.%" "%6.&&+<2"*6*%9(<1 "'?+'"
('(&"*9"?'."25."?'+' I*),7"P." +55<*5<(+'. "9* <"+%"+7+5'+P,..<.&*,)('*(%("5<*6.&&"+%7"?'+')&."*9"+%"
+7+5'+P,..<.&*,)('*(%(" 5<*6.&& I+& I('?'*)"' 5<.&&<." * <"6* 15),&(%*" 9<* 1 " *'?<.&b" >?. " +7+5'+P,.."
<.&*,)('*(%("5'(%&" +B(+,P,..) %7.<'?'(&"G*,(62"<.6*%@(e.W"

g >?. "@*+,"*9"+7+5'+P,..<.&*,)('*(%("&"*"+77<.&&"'?'."G<*?(P('7"0*%7)6/'/(7.%'(92" I+2"'?'+'"
(%7(B(7)+,&" +%70* <'?'."6* 1 1)%('2"?+B."P..%?' +<1.7/' +%7"7.B.,*5"+<.&*,)('*(%(" +@<.. 1.%"
'*"+77<.&&"'?'."?+<1" +%7"5<.B.%'9)')<."G<*?(P('7"0*%7)6'i"

g G+<'(6(5+'(%(" &"B*,)%'+<2"+%7"P*?'+"6* 15,+(%+%'" +%7"+<.&5*%7.%'/' +&" I.,," +&" +%2"*?'<."
5+<'(6(5+'(%@"(%7(B(7)+,&/' 1) &"6*%&.%'"(%" I<('@"*5+<'(6(5+'(%(" +%7+5'+P,..<.&*,)('*(%("i"

g

g G+<'(6(5+% '&' (% " +7+5'+P, ." <.&*,)')(*%" 5<*6.&&.&' 1)&' P." 5<*'.6'.7" 9<*1 " &.6*%7+<2"
B(6'(1(e+(*%" +%7" *'?.<' 5*'.%'(+, " ?+<1&'/" (%6,)7(%@" '?." 5<.&&)<." '*" 5<*6..7" '?<*)@?'
+7+5'+P, ." <.&*,)')(*%"(%&'.+7"*0"9* <1+, "<.&*,)')(*%b"

K7,<#,:\$%& ;%/3\$+#"31&A<#"31/&

>?. "+7+5'+P, ." <.&*,)')(*%"*5'(*%&' I(, "P." .%+P, .7"P2"+'"<+(% .7"6**<7(%+'*<h">?. "+7+5'+P, ." <.&*,)')(*%"
6**<7(%+'* <1)&' "P." (1 5+<(+, "%7"9<.. "9<* 1 "P(+&"* <"6**%9,(6 ""*9"(%' .<.&'b"\$9"'?. "+7+5'+P, ." <.&*,)')(*%"
6**<7(%+'* <" ?+&" 6**%6.<%&" '?+" "'?.2" 6+%*%*" 9+6,(+'.' + " 9+(<" * <")%P(+&.7" 5<*6.&&/" '?." +7+5'+P, ." <.&*,)'
(*%"6**<7(%+'* <1)&'<.5* <' "'?*&. "6**%6.<%&" "*" '?." 0(B,"C@?'&"D">(', "\$E"0**<7(%+'* <"+%7"
+" 7(99.<.% "' +7+5'+P, ." <.&*,)')(*%" 6**<7(%+'* <" I(, " P." +&&(@% .7b" J(1(+,<2/" +" 6* 15,+(%+% '/' +

>I5))%+6 K+8''')&)'(N" H%" (%7(<.6'/" 9+6,(+' .7" 6*%B.<&+'(*%" (%7(B(7)+,,2" I('?" '?.
6* 1 5,+(%+% '/' " '?.<.&5*%7.%/'" +%70*("< *'?.<" 5+<'(6(5+% '&' '*" 7(&6)&&" .45.<(.%6." +%7"
5.<&5.6'(B." +%7" .45,*<.(%'.<.&'&" I ?(,." I *<Z(%@" '* I +<7&" 1 ..'(%@" .45<.&&.7"% ..7&b">?(&"
% .@*'(' .7"5<*6.&&"7* .&"%*" "<.L)(<."7(<.6'"(%'.<+6'(*%"P.' I ..%"'?' .5+<'(.&"*<'?' .5+<'(.&" +7"
'?' .<"5+<'(6(5+% '&' "P)"'+?'? .</'(%7.5.%7.%',2)" I ('?"+"6%<7(%+'*<b"

!/7%+6 "% E77"5()&C%'')06 R! 3 ESN" H" 9+6,(+' .7" (%'.<+6'(*%" P.' I ..%" '?.<.&5*%7.%'" +%7"
0*,,@."9+6), '2"+%70*("&' +99"7.&(@% .7"'*5<*B(7." +66*)%'+P,(('2/'&'<)6')<.7"&)55*<'/' +%7"'?."
7.B., *5 1 .%'" *9" +", .+<%(%" 5,+%b" >?." 9*6)&" *9" + " 0VH" (&" '*" P+,+%6." &)55*<' " +%7"
+66*)%'+P,(('2"9*<+"%("7(B(7)+,"

% .6.&&+<2" '*9+6(,'+'.'?'<.&*,)'(*%/'?'." 0*,,.@." 1+2"P."<.L)(<.7" '*5<*7)6."<.6*7&" 6<+'.7" 7)<(%@"'?'(&"5<*6.&&"(%<.&5*%&." '*"+'c)7(6(+,&)P5* .%+"*("<"+Q3CGH".7)6+'(*%+,"<.6*7"<.L) .&'b"\$9" +7+5'+P,.'<.&*,)'(*% ("&"&'*55.7" 5<(*<" '*6* 15,.'(*%/'&'+' . 1.%&" 1+7." P2" +5+<'2" (%"+7+5'+P,.' <.&*,)'(*% 1+2"%*"P.")&.7"(%"+7(&6(5,(%+<2"<.&*,)'(*%5<*6.&&"<.,+' .7" '*"'?'+' 1+''.<b"

K7,<#,:\$%&;% 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.&*,)'(*%*" *'+'Z.&" *'?'<" 9* <1+, "7(&6(5,(%+<2"+6'(*%/'?'." 0(B," C(@?'&" D" >('," \$E" 0**<7(%+'* <" 1+2" 9(%7("?'.,59),"*<"% .6.&&+<2"*"<.L) .&"* <"<.L)(<."?'<.&5*%7.%'"* <"*?'<.&" '*")%7.<'Z."&5.6(9(6"&' .5&" 7.&(@% .7" '*" .,(1(%+'.'?'." 1 (&6*%7)6/'" 5<.B.%'" ('&"<.6)<<.%6."/"+%70* <"<. 1.72" ('&" .99.6'&b" 34+ 15,.&"(%6,)7."/P)"'+<."%*"', (1 ('.7" '*/'?'." 9*,,* I (%@W"

g C.L) .&'(%@"* <"<.L)(<(%@"+"0*,,.@." .% ('2" '*5<*B(7." "+(%(%@"9* <" ('&'&'+99"* <" 1 . 1 P.<&i"

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

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

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

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

"

!

"

***??\$9@'>!C)!L&+@\$9&!L49%&'79'9,!JD7%\$@+D\$-!**

\$9"+<.5*<'5<*6.7&"'?<*)@?" ; (&6(5,(%+<2"C.&*,)')(*%"+%7""?."<.&5*%7.%"(&"9*)%7"<.&5*%&(P,."9*<"
%."<"1*<."B(*,+>(*%&"*9""?. "0*,,.@.A&"+%'(7(&6<(1(%+>(*%"5*,(6(.&/"'?. "0*,,.@."I(,("&&). "&+%6'(*%&"

"

>?. "0(B("C(@?'&"D">(',\$E"0**<7(%+'*<'+,&*"?+&"'?. "7(&6<.'(*%""*""<.B(. I "+%2"(%' .<(1 "5<*'.6'(B. " *'<. 1 .7(+, " 1 .+&<.&"'*"7.'.<1 (%. " I ?.'?<.'?'.2"&?*) ,7"P. "6?+%@.7"*<+<."%*" ,%*@"<"+55,(6+P, .b" >?. "C.B(. I "G+%, , I (, ,(&&)." +7.'.<1 (%+'(*%""*%""&+%6'(*%&"+%7"'?. "5+<'(.&" I (, ,<.6.(B. "%*(6. "9"'?. " 7.'.<1 (%+'(*%"" I ('?("%9(B. "JF^"P)&(%.&&"7+2&"*9"'?. "C.B(. I "G+%, ,A&"<.6.(5""*9"+, , " 1+' .<(+,&"(% "'?. " 6+&.b" Q* <" 6+&.&" (%B* ,B(%@" +, , .@+'(*%&" *0" >(',\$E" J.4)+, " S+<+&&1.%" /" '?. " C.B(. I " G+%, ,A&" 7.'.<1 (%+'(*%""< .@+<7(%@"&+%6'(*%&" I (, ,P. "(%6,)7.7"(% "'?. "S. +<(%@"V99(6.<A&" I <(' .%"7.'.<1 (%+'(*%b""

H%2" %* . " * <" 1 * <. " *9" '?. " &+%6'(*%&" ,(&' .7" ?<. " 1 +2" P. " (15*&.7" %*%"+<.&5*%7.%" " I ?*" (&"9*) %7" <.&5*%&(P, ."9* <"+B(* ,+(*%""*9"'?. "0* , , @.A&"J.4)+, "+%7"\$%'.<5.<&*%+, "T (&6*%7)6"G* , (62b"J+ %6'(*%&" +<. " +&&.&&.7" (%<.&5*%&." " * " '?. " &5.6(9(6" B(* ,+(*%"]&^"+%7" +%2" 5<(*<" 7(&6(5,(% . " ?(&'* <2" *9" '?. " <.&5*%7.%"b"J+ %6'(*%&"<. "99.6'(B. "(1 1 .7(+', ,2b"\$9"'?. " <.&5*%7.%" +55. +, &"'?. "9(%7(%&"6*%' +(% .7" (% "'?. "Q(%+, "C.5* <' /" '?. " &+%6'(*%&" I (, ,6*%'(%). "(%".99.6"7)<(%@"'?. " +55. +, b">?. " &+%6'(*%&" 1 +2" P. " , (9'.7"*%, 2"(9"/+&"<.&), ""*9"'?. "9(%+, "*) '6* 1 . "9"'?. " +55. +, /" '?. " <.&5*%7.%"'(&"9*) %7"%* "'<.&5*%&(P, ." 9* <"%% . " * <" 1 * <. " *9" '?. " * <@(%+, "5* , (62"B(* ,+(*%&")P 1 (' .7""*"'?. "C.B(. I "G+%, ,b&

U"/#&3>&83/" : \$%&), 16#31/&

H%2" %* . " * <" 1 * <. " *9" '?. " &+%6'(*%&" ,(&' .7" P. , * I " 1 +2" P. " (15*&.7" %*%"+<.&5*%7.%" " I ?*" (&"9*) %7" <.&5*%&(P, ."9* <"+B(* ,+(*%""*9"'?. "0* , , @.A&"J.4)+, "+%7"\$%'.<5.<&*%+, "T (&6*%7)6"G* , (62b"J+ %6'(*%&" %*"' , (&' .7" ?<. " 1 +2" P. " (15*&.7" (%6*%&), '+(*%"" I ('?"+%7"+55<*B+ , "P2"'?. "0(B("C(@?'&"D">(',\$E" 0**<7(%+'*<b""

!&#\$5,6!"# #5(')ON"\$%"+, "(%&' +%6.&" I ?<. " +&')7.%"'(&"9*) %7" <.&5*%&(P, ."9* <. % @+@(%@"(%" G<*?(P(' .7"0*%7)6"/'/? . "0(B("C(@?'&"D">(',\$E"0**<7(%+'*<

"

('&'<+%&6<(5'&'+%7"7.@<..&"*<"*7.%2'+&')7.%"5+<(6(5+'(*%("@"<+7)+'(*%"6.<. 1 *%(.&"+%7"
5<(B(,.@.7".B.%'&b"

*+# "A&%69/"#6!&#\$5,6@"5,'(8N"J')7.%'&" 1+2"P."<. 1 *B.7"9<* 1 "0*,,.@."?*)&(%@"+%70* "<

* ?? \$9@'>!'!P4%+6&=!7D!L&4##! R \$ < 5\$D!L49%&'79'9,!JD7%\$@+D\$-!

\$9" '?." <.&5*%7.%'" (&" 9*)%7" <.&5*%&(P,. " 9*<" +" B(*,+('*%" *9" *%." *<" 1*<." *9" '?." 0*,,.@.A&"
+% '(7(&6<(1(%+('*%"5*,(6(.&/'?'." ; (&6(5,(%+<2"C.&*,)('*%"5<*6.&&"6*%6,)7.&" I('?'?'."(15*&('*%"*9"
7(&6(5,(% .b" \$9" '?." <.&5*%7.%'" (&" 9*)%7" %*"'*"?+B." B(*,+'.7" +%2" +% '(7(&6<(1(%+('*%"5*,(62/" '?."

'<.'?'.'9(%7(%@"+&"* I ?.'?<'?'.'+,,.@.7"6*%7)6"B(*,+'.7"?'."J.4)+,+%7"\$%'<5.<&*%+,
T(&6*%7)6"G*(,62b">?.5+<'(&"I(,,"?+B."?"*55*%<')%(2"*&")P1("+"\$15+6"J'+'.1.%'"'*"
'?."S.+<(%@"0*11('.."/"+%7"?'."S.+<(%@"0*11('.. I(,,"<.B(.I"?'."5+<'(&"\$15+6"
J'+'.1.%'&"/"+%7"+,,"*?'<'1+'<(+,&"(%"?'."6+&."]<.7+6'.7"+&"%.6.&&+<2"+%7"+55<*5<(+'.^/
(%6,)7(%@"'?'."S.+<(%@"*%\$%B.&'(+('(%"V)'6*1."+"%7"+'+6?.7"+55.%7(6.&"/(%"+&&.&&(%@"'?'."
+55<*5<(+'.&+%6'(%%b"

>?.S.+<(%@"0*11('..A&<.B(.I"(&"7*6)1.%'+<2"*%,"2"+%7"%*"?.+<(%@"(&"?.,7b"Q*.,*I(%@"
&'"+%7+<7"5<+6'(6."/"'?."0(B,"C(@?'&"D">(',"\$E"0**<7(%+'*%<"I(,"P."+B(+,P,."?'<*)@?*)" "
7.,(P.<+('%%&"*"+77<.&&"L).&'(%%&"+P*)"'?'."J.4)+,+%7"\$%'<5.<&*%+,T(&6*%7)6"G*(,62"
+%7"<.,+'.7"5<*6.7)<.&b"H%2"7.6(&(%*"I+<%/ "<.5<(1+%7/"*%<7(&1(&&"+"9+6),)2"1.1P.<
<.L)<.&"+"I*:'?<7&"1+c*%<(2"*9"?'."1.1P.<&"6*%7)6'(%@"'?'."?'+<(%@"/'?'."B*.'"(%".+6?"
(%&'"+%6."**"P."+Z.%"P2"&.6<."P+,,*'b"

>?.S.+<(%@"0*11('.. I(,"1+Z."+"<.6*11.%7+'(%%"*"'?'." ; .+%*9"?'."0*,,@./&)Pc.6"
'*?"<.*%<?(&"+55<*B+,b"H66.5'+%6."*9"?'."S.+<(%@"0*11('..A&"7.6(&(%*"I(,"%*%<1+,2"P."
.45.6'.7b">?.0(B,"C(@?'&"D">(',"\$E"0**<7(%+'*%<"I(,"%*(92"?'."5+<'(&"*9"?'."S.+<(%@"
0*11('..A&"7.6(&(%*"I<'(%@b">?.S.+<(%@"0*11('..A&"7.6(&(%*"7(&6(5,(%+<2"+6'(%*"
1+2"P."+55.+,.7"*"'?'."G<.&(7.%"P2".('?'<5+<2b"H%"+55.+,"1)&"P."&")P1('7"(%"I<'(%@"
'*P*?'?'."0(B,"C(@?'&"D">(',"\$E"0**<7(%+'*%<"+%7"?'."G<.&(7.%"I('?'9(B."JF^P)&(%.&&"
7+2&"*9"<.6.(5"*9"?'."S.+<(%@"0*11('..A&"7.6(&(%*"7(&6(5,(%+<2"+6'(%%b" d ?.%"+%"+55.+,"
(&"9(,7"/"?'."*?'<5+<2" I(,"P."%*(9(.7"(%"I<'(%@"+%7"?'."%"+B."9(B."JF^P)&(%.&&"7+2&"*"
<.&5*%7"*"'?'."+55.+,"b">?.5+<'(&"I(,"@.%<+,,2"P."%*(9(.7"(%"I<'(%@"*9"?'."*)'6*1."*9"
'?."+55.+,"I('?'(%".%"]!N^P)&(%.&&"7+2&"*9"<.6.(5"*9"?'."%*%"+55.+,(%@"5+<2A&<.&5*%&."
&'+'1.%'b"

>?.G<.&(7.%" I(,"'<+%&1(" '*"'?'." [*+<7"*9" >>)&'..&"?'."9),,"<.5*%<"*9"?'."S.+<(%@"
0*11('.."/'+%&'(%@"('"+6'(%%"/"+%70*%<?'<.*%<?(&"7.6(&(%*"9'<."+%"+55.+,"b"\$9"?'." [*+<7"*9"
>>)&'..&'6?%*%&.&"*%<.B(.I"?'."6+&."/('&<.B(.I"&?*),7"P.P+&.7"*%""?'<.6*%<7b">?.7.6(&(%*"
*9"?'."S.+<(%@"0*11('.. I(,".'?'<P."&)&'(%."7*%<'?'."5<*6..7(%@"I(,"P.<.)<%."7"*"'?'."
S.+<(%@"0*11('.. I('?'*Pc.6'(%%&"&5.6(9(.7"+%7" I('?'*%<"I('?'*)"'&)"@.&'(%@"+"7(99.<.%"
7.6(&(%%b"\$%&")6?"+"6+&."?'."S.+<(%@"0*11('.. I(,"<.6*%&(7.<"/"+Z(%@"+66*)'%"*9"?'."&'+'7"
Pc.6'(%%&"+%7"+%2"?'<.7.6(&(%%<.6*11.%7.7"/"+%7"<.6.(B(%@"%".I".B(7.%6."(9"%6.&&+<2b"
\$" I(,"9<+1."(&"7.6(&(%*"7*6*11)%&(6+'."("("%"?'."&+1."1+%%.<"+&"P.9*%<.b"Q*.,*I(%@"
&')72"*9"?'."S.+<(%@"0*11('..A&"<.6*%&(7.<+('(%%""?'." [*+<7"*9">>)&'..&"I(,"1+Z."+"9(%+,
7.6(&(%%b">?. ; .+%*9"?'."0*,,@./"+,"1.1P.<&"*9"?'."S.+<(%@"0*11('.."/"'?'."G<.&(7.%"/
+%7"?'." [*+<7"*9">>)&'..&"I(,"6*15,.'.'>(',"\$E"'+<(%@"9+6,(+'7"P2"?'."0(B,"C(@?'&"D"
>(',"\$E"0**<7(%+'*%<"5<(*%<"6*11.%6(%@"+%2"<*,."(%"+%2"6+&.")%7.<'?'."J.4)+,+%7"
\$%'<5.<&*%+,T(&6*%7)6"G*(,62b"

E77"##-&)'('6&(-6K"(4F',7'\$%('&/0%6E-#(')/&)'A+6P+&,5/+6

\$%"+77('(%%"*"/"+%7"(%7.5.%7.%"*9"/"?'."<.&),'&"*9"?'."(%B.&'(+('(%"+%7"7(&6(5,(%+<2"5<*6.&&/'?'."0(B,"C(@?'&"D">(',"\$E"0**<7(%+'*%<"(%"6*%&),'+('(%"I('?'?'."V5.<+('B."-(6."G<.&(7.%"+%7"

* ?? \$9@'>!P)! * ?? \$46!JD7%\$@+D\$-!

H55.+,&"*9"?.+<(%@"*%<"(%B.&'(@+'(B."*)'6* 1 .&' 1+2"P."9(. .7"P2".('?.<'5+<'2b"H55.+,&' 1)&' "P."&.%'"*"'?." 0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%<" I('?(%'"9(B."]F^"P)&(%.&&"7+2&"*9"<.6.(5'"*9"'?'."Q(%+, "C.5*%<'b" d ?.%"+%"+55.+,"(&"9(. .7/"'?'."*"'?<'5+<'2" I(,"P."%*"9(.7/"(%" I<('(%@/"'+%7"'?'."%"+B."9(B."]F^" P)&(%.&&"7+2&"*%<.&5*%7"'*"'?'."+55.+,"b"H%2"5+<'2A&"7.6(&(*%*"%"*"'*")P 1 ("'+<.5,2"'*"+%"+55.+,"(& %*" ".B(7.%6."?'+"*"'?'."%*%"+55.+,"(%@"5+<'2"+@<.7" I('?'?'."+55.+,"b"

>?."+55.+,&"5<*6.&&"(&"7*6) 1 .%'<2"*%,"2/"+"%7%"*%?">.<(%@"(&"? .,7b"3('?.<'5+<'2" 1+2"9(. .%"+55.+," *9!"^"+7.'<1 (%+'(%*"<.@+<7(%@"<.&5*%&(P,('2i"+%70*%<#"^"'?'." 0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%<A&" 7(& 1 (&&+, "*9"+9*%<1+, "6* 15,+(% "'*%<"+%2"+,.,@+'(%*&"?'<.(%"9*%<1 "'?'.">(<."\$E"J.4)+,"S+<+&& 1 .%" 5<*6.&&"&"*') ,(% .7"(% "Q*%<1+, "0* 15,+(% '&" ; (& 1 (&&+,&"+"%7"H55.+,&"*9" ; (& 1 (&&+,&/"*%"'?'."9*.,* I (%@" @<*)%7&W"

- g G<*6.7)<+,"(<<.@),+<('2"'?+"'+99.6'.7"'?'."*)'6* 1 ."*9"'?'." 1+''.<i"
- g 8. I ".B(7.%6."?'+" I +&"%*"<.&+%+P,2"+B(+,P,."+"*"'?'."(1 ."?'."7.'<1 (%+'(%*"<.@+<7(%@" <.&5*%&(P,('2"*%<7(& 1 (&&+, " I +&" 1 +7.'/"?'+"6*),7"+99.6"'?'."*)'6* 1 ."*9"'?'." 1+''.<i"+%70*%<"
- g >?." 0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%</" \$B.&'(@+'*%<^/" *%<" ; .6(&(*%: 1+Z.<]&^/" ?+7" + 6*%9,(6'"*9"(%'<.&'*%<"P(+&"9*%<" *%"+@+(%&" 6* 15,+(%+%&'&"*%<.&5*%7.%&'@.%<+,2"*%<"?'." (%7(B(7)+,"6* 15,+(%+% "'*%<.&5*%7.%"'?'+"'+99.6'.7"'?'."*)'6* 1 ."*9"'?'." 1+''.<b"

>?."0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%<" I(,"+55*(%'"+"'+<(% .7"H55.+,&"V99(6.<+%7" I(,"%*"92"'?'." 5+<('.&"*9"'?'."+55*(%'" 1 .%"(%" I<('(%@b">?."H55.+,&"V99(6.<" I(,"%*"?'?+B."+"%2"+6")+,"6*%9,(6'"*9" (%'<.&"*%<"P(+&"%7"6+%%*"P."?'."S.+<(%@"V99(6.</"?'."\$B.&'(@+'*%<^/" *%<"?'." 0(B(,"C(@?'&"D">(',"\$E" 0**<7(%+'*%<^">?."5+<('.&" I(,"?+B."9(B."]F^"P)&(%.&&"7+2&"*%*Pc.6"'*"'?'."H55.+,"V99(6.<A&"& .,6'(%*" %*"?'?"P+&(&"*9"P(+&"*%<6*%9,(6'"*9"(%'<.&'b"H%2"*Pc.6'(%*"(&"*P."(%" I<('(%@"+%7"&.%"'*"'?'?" 0(B(," C(@?'&"D">(',"\$E"0**<7(%+'*%<^" J?*) ,7"'?'." 0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%<^"7.'<1 (%."?'+" '?'<.(("&"P(+&"*%<6*%9,(6'"*9"(%'<.&'/'?'." 0(B(,"C(@?'&"D">(',"\$E"0**<7(%+'*%<^" I(,"<. 1 *B."?'." +55.+,&"*99(6.<+%7"+55*(%'"+"*%?'?<."b"

>?."<*,."*9"'?"H55.+,"V99(6.<("&,(1 ('.7b"H55.+,&"<.%*"("%'.%7.7"*P."+9),,"<?>.<(%@"*9"'?'." 6* 15,+(% "'+%7"+<."6*%9(% .7"'*%"+<.B(I '*9"'?"H55.+,"C.6*%<7"9*%<"?'."@<*)%7&'"&'+' .7"+P*B.b">?." 5+<'2"&)P 1 ('(%@"?'?" +55.+,"6+<<(&"?'."P)<7.%*"9"5<*%9"'*7. 1 %&'"<+'.'?'+"'.('?.<'?'."5<*6.7)<+," (<<.@),+<('2"'?'."5<*5*&.7"% .I".B(7.%6."/"*%<"?'."+,.,@.7"P(+&"+99.6'.7"'?'."*)'6* 1 ."*9"'?'." 1+''.</"*%< '?'+"*"'?'."7.6(&(*%*"9"'?'." ; .6(&(*%: 1+Z.<" I +&" +<P('<+<2" *%< 6+5<(6(*)&b">?." H55.+," V99(6.<" I(," 7.'<1 (%." I ?.'?'<+%2"@<*)%7&"9*%<"?'." +55.+,"<.&)"P&'+%('+' .7b">?."H55.+,"V99(6.<" 1+2"7.%2"'?'." +55.+,"/*%<"(9"*% ."*%< 1 *% ."*9"'?" +55.+,"@<*)%7&"?+B."P.%" 1 ./'" 1+2W"

- g C.')<%"?'?"6&."*"'?'."*%<(@(%+, ; .6(&(*%: 1+Z.<"9*%<.<.6*%&(7.<+'(%i"*%<"
- g H55*(%'"+"%"+,'.<+%'. ; .6(&(*%: 1+Z.<"*%<.<.B(I "'?'."6&.&.b"

>?."5+<('.&" I(,"@.%<+,2"P."%*"9(.7"(%" I<('(%@"*9"'?'."*)'6* 1 ."*9"'?'." +55.+," I('?(%'" .%)!N^" P)&(%.&&" 7+2&"*9" <.6.(5'"*9" %*%"+55.+,"(%@" 5+<'2A&"<.&5*%&."&'+' .1 .%'b">?." H55.+," V99(6.<A&" 7.6(&(*%)"(&"9(%+, "+%7"(&"%*"&)"Pc.6"'*"+55.+,"b"