A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
Z1=FD:;B+"$15"X`D;2$.F+"?+5$H6H%"G6D/:+" """""""""""""") 6B+ * .+/"&'&&"
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
G+/2;@;+5"?++/"<+B;+8+/" 4=26.+/"&'&!"
XF:+B;+/"<+:+$/=>"9=$5+ * %"
"
"
9==+::;.DFF"-;:$.;F;2%"9FF%" """""""""""""""""""""""""""""9P/;F"&'&'"
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
a6H1;26"41F;1+" """""""""""""""""""""""-+=+ * .+/"&'!T"
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
#+12$F"K+$F2>"E;/:2"9;5" """""""""""""""""""""""""""""bD1+"&'!T"
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
G+/2;@;+5"41F;1+"X5D=$26/" """""""""""""""""""""""b$1D$/%"&'!("
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
C%:2+ * "6@"G$/+"?/$=2;=+"<+B;+8"O/$;1;1H" """""""""""""""""""""""b$1D$/%"&'!&"
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
G61=+P2"#$PP;1H"O/$;1;1H"" """""""""""""") 6B+ * .+/"&''("
A1;B+/:;2%"6@"C6D2>"EF6/;5$"
O$ * P$Q"E0"
"
"

GEC"4D2:2$15;1H"Z15;B;5D$F"9=>;+B+ * +12"98$/5"3)6B+ * .+/"&'!!7Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"
06D;:"5+"F$"?$/2+"EF6/;5$"#+12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N""

GEC"4D2:2$15;1H"O+$ * "9=>;+B+ * +12"98$/5"3)6B+ * .+/"&'!''";1"$=]168F+5H+ * +12"6@"2>+"86/]"

=615D=2+5" . %"2>+"G611+=2"E$ * $F;$:c0;22F+"KB1$"XB$FD$2;61"?/6d+=2Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"
06D;:"5+"F$"?$/2+"EF6/;5$" # +12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N""

GEC"4D2:2$15;1H"O+$ * "9=>;+B+ * +12"98$/5"3)6B+ * . +/"&' 'T7";1"$=]168F+5H+ * +12"6@"2>+"86/]"
=615D=2+5" . %"2>+"CD:2$;1$.;F;2%"Z1@/$:2/D=2D/+"?/6d+=2Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"06D;:"5+"F$"
?$/2+"EF6/;5$" # +12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N""

GEC"4D2:2$15;1H"Z15;B;5D$F"9=>;+B+ * +12"98$/5"3)6B+ * . +/"&' 'W7Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"
06D;:"5+"F$"?$/2+"EF6/;5$" # +12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N""
"

"

W"
#$%"&'&("

I D//D:Q"ONQ"#68+/%Q"-NQ")+:*$1Q"ONQ"G$FF+d$:Q"0N#NQ"J"K+/1$15+hQ"#N"3&'!'7N"N*(&$#'3%(E)
,0%-%O'0%+(P)?0$'0#E%#3).+$)#(E'E%(E)&,-0*,$'--4Q$'&%'--4)>%C#$3#)&1%->$#()'(>)01#%$).''"%-%#3)
%()"#(0'-)1#'-01)3#$C%&#3)3#$];1H"=>;F5/+1f:"*+12$F">+$F2>":+/B;=+:":D==+::@DF":+/;+:Q"
E#KZ"PD.N")6N"&('R(7N O$*P$Q"E0,"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"I+>$B;6/$F"$15"
G6**D1;2%"C=;+1=+:"06D;:"5+"F$"?$/2+"EF6/;5$"#+12$F"K+$F2>"Z1:2;2D2+Q"<+:+$/=>"J"
O/$;1;1H"G+12+/"@6/"G>;F5/+1f:"#+12$F"K+$F2>N"
"
K65H+:Q"CNQ"E+//+;/$Q"aNQ"_;F.+/2R

/ Y"3PPℕ" ! R&&7ℕ"O$ * P$℺"E0,"A1;B+/ : ;2%"6@"C6 !

68+/%Q" - NQ"0;15:+%Q" # NQ" J "b6:+P>Q"<N"3& ' ! M7N"J-+$%> ')<NDD])$#3, -03) ' (>).%(>%(E3P)L$ '&A#()?&1++-)
^# '>%(#33)!33#33 '' #(0)WH I XU

#68+/%Q"-NQ"3&'!(7N"?,&&#33)9)b%>3)'(>)J'"%-%#3)3430#")+.)&'$#)2$'&0%&#)$#C%#\)30,>4)
T,'$0#$)Nc)S!2$%-)`)*,(#)WHI9Y)$#2+$0)J])WHIFUWHI98"O$*P$Q"E0,"A1;B+/:;2%"6@"C6D2>"
EF6/;5$Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6**D1;2%"C=;+1=+:Q"G>;F5"$15"E$*;F%"C2D5;+:N
"
#68+/%Q"-N"3&'!(7N"?,&&#33).+$)b%>3)'(>)J'"%-%#3)3430#")+.)&'$#)2$'&0%&#)$#C%#\)30,>4)
T,'$0#$)NNN)S*'(,'$4)`);'$&1)WHI9Y)$#2+$0)J])WHIFUWHI98"O$*P$Q"E0,"A1;B+/:;2%"6@"C6D2>"
EF6/;5$Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6**D1;2%"C=;+1=+:Q"G>;F5"$15"E$*;F%"C2D5;+:N
"
#68+/%Q"-NQ"G$FF+d$:Q"ONQ"\$1HQ"\NQ"ID//D:Q"ONQ"_;:>+Q"bNQ"K+/1$15+hQ"#NQ"J"EF%11Q"aN"3&'!L7N""
9

"

#68+/%Q"-ℕ"3&'!L7ℕ"?,&&#33).+$)b%>3)'(>)J'"%-%#3)3430#")+.)&'$#)2$'&0%&#)$#C%#\)30,>4)
T,'$0#$)ℕℕ)S*'(,'$4)`);'$&1)WH/FY)$#2+$0)J])WH/WUWH/F8"O$*P$Q"E0,"A1;B+/:;2%"6@"C6D2>"
EF6/;5$Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6**D1;2%"C=;+1=+:Q"G>;F5"$15"E$*;F%"C2D5;+:ℕ

"

#68+/%Q"-ℕ"J"O2/2=>+@@R^D+:1+FQ")ℕ"3&'!&78)?430#")+.)&'$#)2$'&0%&#)$#C%#\).%('-)$#2+$0)WH//U
WH/W8)O$*P$Q"E0,"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"

K65H+:Q"CNQ"E+//+;/$Q"aNQ"_;F.+/2RC * ;2>Q"ONQ" i $DH>1Q" I NQ" # 68+/%Q" - NQ" I /;::=6+Q"<NQ"?/;1=+"Z11;::Q"bNQ" J"
K+/1$15+hQ" # N"3&' 'T7N)D1 ' 3#)NNN)$#2+$0)SK#C#-+2%(E)3, 30 '%('M-#)%(.$ '30$, &0, $#)%()3, 22+$0)
+.)T, '-%04).%#->UM '3#>)2$ '&0%&#)3#$%#35)J ; <N)V)W96UWY8"O$ * P$Q"E0,"A1;B+/:;2%"6@"C6D2>"
EF6/;5$Q"G6FF+H+"6@" I +>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"06D;:"5+"F$"?$/2+"EF6/;5$" # +12$F"
K+$F2>"Z1:2;2D2+Q"G>;F5"$15"E$ * ;F%"C2D5;+:N""

68+/%Q" - NQ") +: * $1Q"ONQ"J"?$H$1Q"ON9N"3&' 'T7N"?, " " '$4)$#2+$0)+.)01#)3, $C#4)$#32+(3#3).+$)01#)
> '0%(E)C%+-#(&#) '(>)M, --4%(E)3&1++-UM '3#>)&, $$%&, -, " P)R1#)K ' \ ():#(0#$)D$% " '$4)
D$#C#(0%+()D$+E$ " '8""

#68+/%"

?/$=2;=+"<+B;+8"3C4G?<7N"O>+"PD/P6:+"6@"2>;:"P/6d+=2";:"26"P/6B;5+"1F%:;:"6@"C%:2+ * "6@"G$/+"
?/$=2;=+"<+B;+8"3C4G?<7"5$2$"@6/"CD==+::"("a;5:"J"E$ * ;F;+:"$H+1=%"$15"2>+;/"@D15+/:N"O>;:"
C4G?<"P/6d+=2"8;FF">+FP";5+12;@%"2/+15:"$15"6PP6/2D1;2;+:"@6/"P/$=2;=+"; * P/6B+ * +12";1":%:2+ * "6@"
=$/+"B$FD+:"$15"P/;1=;PF+:"@6/"2>;:"$H+1=%N"9:"P$/2"6@"2>;:Q"$"5$2$"=6FF+=2;61"$15"5$2$":26/$H+"
P/6=+::"8;FF".+"5+B+F6P+5"8>;=>"8;FF"$FF68"=6 * P$/;:61"6@"5$2$"2/+15:"6B+/"2; * +N""9 * 6D12,"
mL'Q'''N"

G>;F5"$15"E$ * ;F%"C2D5;+:Q"G6FF+H+"6@"
I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"C2$2+"6@"#$::$=>D:+22:"C4G?<"
&'!LR&'!(N"O>+"H6$F"6@"2>+"P/6d+=2";:"26"P/6B;5+"@6FF68RDP"2/$;1;1HQ"5$2$"$1$F%:;:Q"=61:DF2$2;61Q"
$15"2+=>1;=$F"$::;:2$1=+"61"2>+";7(")84T210R-4(Q)P-10(7)2NO.243(7)C10(F)-6(2$)24(2;)-6(6)12(1)10(Q)

!M"
#$%"&'&("

26"P/6B;5+"1F%:;:"6@"C%:2+ * "6@"G$/+"?/$=2;=+"<+B;+8"3C4G?<7"5$2$"@6/"CD==+::"("a;5:"J"
E$ * ;F;+:"$H+1=%"$15"2>+;/"@D15+/:N"

5+B+F6P * +12"$15"P/+P$/$2;61Q"P/+:+12$2;61"5+B+F6P * +12"$15"P/+P$/$2;61Q"$15"/+:+$/=>"
* $1D:=/;P2"5+B+F6P * +12"$15"P/+P$/$2;61N"9 * 6D12,""
"

""G>;F5"$15"E$ * ;F%"C2D5;+:Q"06D;:"5+"F$"
?$/2+"EF6/;5$"#+12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N") $2;61$F"XBFD2;61"?>$:+"iZN"
O>+"PD/P6:+"6@"2>;:"=6 * P61+12"6@"2>+") $2;61$F"XBFD2;61";:"26".D;F5"=6 * * D1;2%"=P=;2%"@6/"
:%:2+ * "5+B+F6P * +12".%":DPP6/2;1H"=6 * * D1;2%R5/;B+1"PF$11;1HQ"5$2$R5/;B+1"5+=;:;61" * $];1HQ"
$15"+B;5+1=+R.$:+5"2+=>1;=$F"2>/6DH>"2>+"D:+"6@"2>+6/%R5/;B+1"F6H;=" * 65+F"5+B+F6P * +12N"O>;:"
+@@

3C4G?<7"@6/"2>+"422$8$"G>;F5/+1n:"G66/5;1$2+5"9==+::"J"<+@+//$F"26"C+/B;=+:N"O>+"C4G?<"8;FF"
:DPP6/2"2>+" * $15$2+"6@"G66/5;1$2+5"9==+::"26". /;1H" * +12$F">+$F2>"$15"5+B+F6P * +12$F"
$H+1=;+:"26H+2>+/";1"2>+"P/6B;:;61"6@"=$:+"/+:6FD2;61"$15"/+@+//$F":+/B;=+:"2>/6DH>"$"@6=D:"61"
=6 * * D1;2%R.$:+5Q";15;B;5D$F;h+5"$15"=DF2D/$FF%"=6 * P+2+12"=$/+"@6/"=>;F5/+1"$15"@$ * ;F;+:N"O>;:"
2/$;1;1H"8;FF"6==D/"6B+/"2>+"=6D/:+"6@"61+"%+$/"$15"8;FF". +"=615D=2+5";1"@;B+"P>$:+:N"O>;:"
P/6P6:$F"6D2F;1+:"2>+"@;B+"P>$:+:"$15"P/6B;5+:"$"P/6d+=2+5"2; * +2$.F+N"9 * 6D12,"mWSQU ' T"
"

"G>;F5"$15"E$ * ;F%"C2D5;+:Q"06D;:"5+"F$"?$/2+"
EF6/;5$"# +12$F"K+$F2>"Z1:2;2D2+Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"# $=/6"C2D5%"?>$:+" i "3L ' ":;2+:7N"O>+"
PD/P6:+"6@"2>;:"W"%+$/"H/$12";:"26"3$7"P/6B;5+"2/$;1;1H"$15"2+=>1;=$F"$::;:2$1=+"26"&W"@D15+5"
:%:2+ * R6@R=$/+"=6 * * D1;2;+:";1"=/+$2;1H"2>+6/%"6@"=>$1H+"F6H;=" * 65+F:"@6/"2>+;/":%:2+ * :"6@"=$/+Q"
3.7"P/6B;5+"2/$;1;1H"$15"=61:DF2$2;61"26"&W"@D15+5":%:2+ * R6@R=$/+"=6 * * D1;2;+:"61"2>+"D:+"6@"
2>+"C%:2+ * "6@"G$/+"?/$=2;=+"<+B;+8"3C4G?<7Q"3=7"2/$=]"F6H;=" * 65+F:";1"6/5+/"26"$::+::":%:2+ * R6@R
=$/+"5+B+F6P * +12"6B+/"2; * +Q"$15"357"+V$ * ;1+"2>+"; * P$=2"6@">$B;1H"2>+6/%"6@"=>$1H+"F6H;="
 * 65+F:"61"2>+"+@@+=2;B+1+::"6@":%:2+ * :"6@"=$/+Q";1=FD5;1H"2>+";1=6/P6/$2;61"6@"+B;5+1=+R.$:+5"
P/$=2;=+:Q"$15"2>+":D:2$;1$.;F;2%"6@":%:2+ * R6@R=$/+"+@@6/2:";1"2>+":%:2+ * R6@R=$/+"=6 * * D1;2;+:N"
ED15+5".%"G+12+/"@6/"# +12$F"K+$F2>"C+/B;=+:"2>/6DH>":D.=612/$=2"8;2>"4<G"# $=/6"
Z12+/1$2;61$FN"<+@+/++5N"9 * 6D12,"mW ' MQUWTN
"

N"G>;F5"$15"E$ * ;F%"C2D5;+:Q"06D;:"5+"F$"
?$/2+"EF6/;5$"# +12$F"K+$F2>"Z1:2;2D2+Q"A1

/+:+$/=>"$::;:2$12:"$15":2D5+12:ℕ"9 * 6D12,"m!&ℚ' ' 'ℕ"

G>;F5"$15"E$ * ;F%"C2D5;+:ℚ"G6FF+H+"6@"I+>$B;6/$F"$15"
G6 * * D1;2%"C=;+1=+:ℚ"A1;B+/:;2%"6@"C6D2>"EF6/;5$ℕ"9/;h61$"C%:2+ * "6@"G$/+"?/$=2;=+"<+B;+8"
3C4G?<7ℕ"O>+"PD/P6:+"6@"2>;:"W"%+$/"=612/$=2"P/6d+=2";:"26"P/6B;5+"1F%:;:"6@":2$2+8;5+"C%:2+ * "

+ * PF6%++:"@6/"Z<I"=612;1D;1H"+5D=$2;61"=+/2;@;=$2;61N"#$;12$;1+5";1@6/ * $2;61"$.6D2"Z<I"

P/626=6F"$15";1B+:2;H$2+"8>+2>+/"2>+"6/H$1;h$2;61$F"$:::+:: * +12"P/626=6F"=$1"5;:2;1HD;:>". +28++1"
6/H$1;h$2;61:"8;2>"B$/%;1H"=$P$=;2;+:"@6/"=DF2D/$F"=6 * P+2+1=+N"

" K;:P$1;="C+/B;=+:"G6D1=;F"?/6d+=2Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"G6FF+H+"
6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"06D;:"5+"F$"?$/2+"EF6/;5$"#+12$F"K+$F2>"Z1:2;2D2+Q"
A1;B+/:;2%"6@"C6D2>"EF6/;5$N

06D;:"5+"F$"?$/2+"EF6/;5$"#+12$F"
K+$F2>"Z1:2;2D2+Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"
KZ??e"3K6 * +"Z1:2/D=2;61"@6/"?$/+12:"6@"?/+:=>66F"e6D1H:2+/:7"4D2=6 * +:"C2D5%N"91"!SR * 612>"
P/6d+=2"+BFD2;1H"56:$H+Q"2; * ;1HQ"$15"$=$5+ * ;="6D2=6 * +:"6@"=>;F5/+1"8>6"P$/2;=;P$2+5";1"2>+"
KZ?e"P/6H/$ * N"ED15+5".%"2>+"?+8"K6 * +"i;:;2;1H"G$ * P$;H1Q"$"P/6d+=2"6@"2>+"?+8"G+12+/"61"2>+"
C2$2+:"$15"2>+"?+8"G>$/;2$.F+"O/D:2:N"<+@+//+5N"

*&+--#E#)30 , >#(03)>%..#$)M4)#Z2#$%#(&#3)+.)>%3&$% " %('0%+()*k?6:2+/"P/+:+12$2;61Ig"& ' &L"ACE"*

*_/$5D$2+"<+:+$/=>"C% * P6:;D * Q"O$ * P$Q"E0N""*

"

_/6B+:Q"KNQ" I /%$12RG6 * :26=]Q"CN" J " # 68+/%" - N"3& ' &!Q"C+P2+ * .+/7N" ; #(0 '-) ' (>)M#1 'C%+$ '-)1# '-01)

(##>3)+.)0$ ' (3%0%+() 'E#)4+, 01)#Z2#$%#(&%(E)1+ " #-#33(#33)SR !]B<Y)>, $%(E): +C%>U I ="k?6:2+/"

*P/+:+12$2;61IN"O>+"TS2>"$11D$F"9 * +/;=$1"G61H/+::"6@"<+>$.;F;2$2;61" # +5;=;1+N""*

"

 # 68+/%Q" - N"3G>$;/7"3& ' & ' Q"bDF%7N"?430# ")+.)& ' $#)2$ ' &0%&#)$#C%# \ )S? / : D^YP)D$+E$ ' " 5)&+ " " , (%045) ' (>)

*30 ' 0#)2#$32#&0%C#)kC% * P6:;D * ":+::;61IN"O>+"& ' & ' "A1;B+/:;2%"6@" # $/%F$15Q" I $F2; * 6/+"*

O/$;1;1H"Z1:2;2D2+:Q"4/F$156Q"E0N"3G61@+/+1=+"=$1=+FF+57N"

"

 # 68+/%Q" - N"3& ' & ' Q"bDF%7N" / C#$C%# \ )+."?430# ")+.): ' $#)D$ ' &0%&#)^#C%# \ )S? / : D^YP)D$+E$ ' " 5)

&+ " " , (%045) ' (>)30 ' 0#)2#$32#&0%C#3)k?6:2+/"P/+:+12$2;61IN"O>+"& ' & ' "A1;B+/:;2%"6@" # $/%F$15Q"

I $F2; * 6/+"O/$;1;1H"Z1:2;2D2+:Q"4/F$156Q"E0N"3G61@+/+1=+"=$1=+FF+57N"

"

 # 68+/%Q" - N"3G>$;/7"3& ' ! TQ" # $/=>7N"?430# ")+.)& ' $#)2$ ' &0%&#)$#C%# \ )S? / : D^YP)D$+E$ ' " 5)&+ " " , (%045)

*' (>)30 ' 0#)2#$32#&0%C#8)"C% * P6:;D * "=615D=2+5"$2"2>+"L&15"911D$F"<+:+$/=>"$15"?6F;=%"*

*G61@+/+1=+"61"G>;F5Q"956F+:=+12Q"$15"e6D1H"95DF2" I +>$B;6/$F"K+$F2>Q"O$ * P$Q"E0N"*

"

 # 68+/%Q" - N" J "K+/1$15+hQ" # N"3& ' ! TQ" # $/=>7N"C%:2+ * "6@"=$/+"P/$=2;=+"/+B;+8"3C4G?<7N"Z1N" - N"

 # 68+/%"3G>$;/7Q"?430# ")+.): ' $#)D$ ' &0%&#)^#C%# \ )S? / : D^YP)D$+E$ ' " 5)&+ " " , (%045) ' (>)30 ' 0#)

*2#$32#&0%C#8)C% * P6:;D * "=615D=2+5"$2"2>+"L&15"911D$F"<+:+$/=>"$15"?6F;=%"G61@+/+1=+"61"*

*G>;F5Q"956F+:=+12Q"$15"e6D1H"95DF2" I +>$B;6/$F"K+$F2>Q"O$ * P$Q"E0N"*

"

O2/2=>+@@R^D+:1+FQ"

#68+/%Q"-ℕ"3&'!MQ"#$/=>78)EF6/;5$"KZ??e"5$2$"/+:DF2:"J"@;15;1H:"Ee"&'!(R&'!W,"I/$=]+1"C=>66F"
<+$5;1+::"9::+:: *+12"J"?$/+12"Z1B6FB+ *+12"CD/B+%ℕ"Z1"#ℕ"0;15:+%"3G>$;/7Q)D$#2'$%(E)
&1%->$#().+$)A%(>#E'0#(P)R1#)% "2'&0)+.)<ℕDD])+()2'$#(0)%(C+-C#"#(0)'(>)3&1++-)
$#'>%(#338)

$15"?6F;=%"G61@+/+1=+"Q"O$ * P$Q"EON""""

"

#68+/%Q" - NQ"?H1Q"ON9NQ"e$ * P6F:]$%$Q"CNQ"J"_;FQ"ON"3&'!!Q"#$/=>7N"Z * P/6B;1H"%6D2>"6D2=6 * +:";1"$"
B;6F+1=+"P/+B+12;61"P/6H/$ * ,"G6 * .;1;1H"`D$F;2$2;B+"$15"`D$12;2$2;B+"P+/:P+=2;B+:N"Z1"<N"
I/;:=6+"3G>$;/7Q":+ " " , (%04UM'3#>)2'$0%&%2'0+$4)$#3#'$&1)S:LD^YP):,-0,$'--4)&+ " 2#0#(0)
&+ " " , (%04)M'3#>U'22$+'&1#3N"C% * P6::D * "=615D=2+5"$2"2>+"G>;F5/+1f:"#+12$F"K+$F2>"
<+:+$/=>"$15"?6F;=%"G61@+/+1=+Q"O$ * P$Q"EON"

"

e$ * P6F:]$%$Q"CNQ"#68+/%Q" - NQ"J" - 6FF$/5Q")N"3&'!!Q"#$/=>7N"D$+.%-#3)+.)&1%->$#()\%01)1%E1),0%-%O'0%+()
+.)?0'0#)N(2'0%#(0)D34&1%'0$%&)D$+E$' " 8)?$P+/"P/+:+12$2;61)$2"2>+"G>;F5/+1f:"#+12$F"K+$F2>"
<+:+$/=>"$15"?6F;=%"G61@+/+1=+Q"O$ * P$Q"EON""""

"

C6DF6D1;$:R9//;$H$Q" - NQ"#68+/%Q" - NQ"EDFF+/Q"#N#NQ"J"C26]+:Q"ON"EN"3&'!'Q")6B+ * .+/7N""R1#)
'22-%&'0%+()+.)01#)&1%->)>%$#&0#>)%(0#$'&0%+()2$+&#>,$#3)+.)D:NR).+$)&1%->$#()>%'E(+3#>)
\%01)$#'&0%C#)'00'&1 "#(0)>%3+$>#$8)?6:2+/"P/+:+12$2;61"$2"2>+"9::6=;$2;61"@6/"I+>$B;6/"
$15"G6H1;2;B+"O>+/$P%"39IGO7"911D$F"G61B+12;61Q"C$1"E/$1=;:=6Q"G9N""

"

K+/1$15+hQ"#NQ")+: * $1Q"ONQ"#68+/%Q"%

_6DF5Q"XNQ"<D:>+Q"ONQ"#68+/%Q"-NQ"J"C26]+:Q"ON"3&''MQ"9P/;F7N"*D34&1+-+E%&'-)>%30$#335)2'$#(0%(E)*
&+"2#0#(&#5)'(>)(,$0,$'(&#).'&0+$3).+$)"+01#$3)+.)&1%->$#()\%01)&+"2-#Z)1#'-01)
&+(>%0%+(38"?6:2+/"P/+:+12$2;61"$2"2>+"G>;F5"K+$F2>"?:%=>6F6H%"G61@+/+1=+Q"_$;1+:B;FF+Q"
EON)

"

#6;1+Q"GNONQ"C26]+:Q"ONQ"J"#68+/%Q"-N"3&''MQ"9P/;F7N"!33#33"#(0)+.)(,$0,$'(&#)0$'23)+.)*
'EE$#33%+(5)>#2$#33%+(5)'(>)$#E$#33%+()2$#3#(0#>)M4)&1%->$#()\%01)&+"2-#Z)1#'-01)
&+(>%0%+(38"?6:2+/"P/+:+12$2;61"$2"2>+"G>;F5"K+$F2>"?:%=>6F6H%"G61@+/+1=+Q"_$;1+:B;FF+Q"
EON"

):+*$1Q"ONQ"K+/1$15+hQ"#NQ"ID//D:Q"ONQ"#68+/%Q"-NQ"K65H+:Q"CNQ"J"?6/2+/Q"9N"3&''MQ"E+./D$/%7N"*
:$+33U3%0#)&+"2'$%3+()+.)3430#")+.)&'$#)-+E%&)"+>#-38)?6:2+/"P/+:+12$2;61"$2"2>+"$11D$F"
++2;1H"6@"9"C%:2+"6@"G$/+"@6/"G>;F5/+1f:"#+12$F"K+$F2>,"XVP$15;1H"2>+"<+:+$/=>"I$:+Q"*
O$*P$Q"EON"

"

K$/P+/Q"#N"K+/1$15+hQ"#NQ")+:*$1Q"ONQ"#68+/%Q"-NQ"J"Z:$$=:Q"#N"3&''MQ"E+./D$/%7N""*
)*D$+0+&+-)'33#33"#(0)'('-43%3P)'()'('-43%3)+.)2$+0+&+-3)'33#33%(E)&,-0,$'-)&+"2#0#(&#)'0)*
'()+$E'(%O'0%+('-)-#C#-8)?6:2+/"P/+:+12$2;61"$2"2>+"$11D$F"++2;1H"6@"9"C%:2+*"6@"G$/+"*
@6/"G>;F5/+1f:"#+12$F"K+$F2>,"XVP$15;1H"2>+"<+:+$/=>"I$:+Q"O$*P$Q"EON"

""

E/;+5*$1Q"ONQ"#68+/%Q"-NQ"K+/1$15+hQ"#NQ")+:*$1Q"ONQ"#$%F622Q"#NQ"J"ID//D:Q"ON"3&''MQ"*
E+./D$/%7N"BZ'"%(%(E)01#)$#3#'$&1)3,22+$0%(E)&,-0,$'-)&+"2#0#(&#)%()&1%->$#(h3)"#(0'-)*
1#'-01P)g'0%(+8)?6:2+/"P/+:+12$2;61"$2"2>+"$11D$F"++2;1H"6@"9"C%:2+*"6@"G$/+"@6/"*
G>;F5/+1f:"#+12$F"K+$F2>,"XVP$15;1H"2>+"<+:+$/=>"I$:+Q"O$*P$Q"EON"

"

_/++1.$D*Q"?N"XNQ"-+5/;=]Q"<N"ENQ"0;P;+1Q"ONQ"I/681Q"XN"GNQ"#68+/%Q"-NQ"0$/5;+/;Q"CNQ"J"

"

"

C26]+:Q"ON" J"#68+/%Q"-N"3&' ' !Q"9P/;F7N"*D$+M-# '' 3)%()& '$%(E).+$)01#)(##>3)+.)>%..%&,-0)&1%->$#(N"
\ 6/]:>6P"P/+:+12$2;61"$2"2>+"?:%=>6F6H%"?/;B$2+"9D:2/$F;$"Z1=Nf:"(2>") $2;61$F"G61H/+::"
&' ' !"["9"?:%=>6F6H;=$F"45%::+%Q"E/+ * $12F+Q" \ +:2+/1"9D:2/$F;$N"

"

E;:>+/Q" INONQ"C26]+:Q"ONQ"#68+/%Q"-NQ"#+5;1$Q"GNQ"#=^8681Q"CNQ"C>+PP$/5RK$1H+/Q"CNQ"I/%$12Q"bN INQ" J"
5+?+/=h+FQ"#Ne\"3&' ' 'Q") 6B+ * .+/7N"!$+ '' ') '3) ')3#(3+$4)$##%(.+$&# ''#(0)0+) '' +0%C '0#)
#(E 'E# ''#(0)M4)&1%->$#() \ %01) ', 0%3 ''N"?6:2+/"P/+:+12$2;61"$2"2>+"!U2>"911D$F"9::6=;$2;61"
@6/"2>+"95B$1=+ * +12"6@"I+>$B;6/"O>+/$P%Q") +8"4/F+$1:Q"09N"

"

EDFF+/Q"#NQ"#68+/%Q"-NQ" J"C26]+:Q"ON"3!TTUQ"C+P2+ * .+/7N"!('-43%3)+.)3#-#&0%C#) '', 0%3 ''N"?6:2+/"
P/+:+12$2;61"$2"2>+"!U2>"911D$F"EF6/;5$"9::6=;$2;61"@6/"I+>$B;6/"91$F%:;:Q"C$/$:62$Q"E0N"

"

C26]+:Q"ON" J"#68+/%Q"-N"3!TTWQ"9P/;F7N"; +>#$ '0%(E)01#)01$#31+->).+$)$#2+$0)+.)2 '%()M4) ')&1%->) \ %01)
-#, A# ''%')%()$# ''%33%+(N"?6:2+/"P/+:+12$2;61"$2"2>+"E;@2>"EF6/;5$"G61@+/+1=+"61"G>;F5"K+$F2>"
?:%=>6F6H%Q"_$;1+:B;FF+Q"E0N"

"

C=>$2h.+/HQ"ONQ"#68+/%Q"-NQ" J"C26]+:Q"ON"3!TTWQ"9P/;F7N"J ' ''%-4)., (&0%+(%(E) ' (>) '>e, 30 ''#(0).+--+ \ %(E)
0$ ', '' '0%&)M$ '%()%(e, $48"?6:2+/"P/+:+12$2;61"$2"2>+"E;@2>"EF6/;5$"G61@+/+1=+"61"G>;F5"K+$F2>"
?:%=>6F6H%Q"_$;1+:B;FF+Q"E0N"

"

ID=>+/Q"ONQ" \ $H1+/Q"9NQ"<D2hQ"XNKNQ"#68+/%Q"-NQ" J"C26]+:Q"ON"3!TTWQ"9P/;F7N"c#$M '-)$#E, - '0%+()+.)
+C#$ '&0%C%045)%'' 2, -3%C#(#335) ' (>)2 '$0%&%2 '0%+()M4)&1%->$#() \ %01)!K<K\N"?6:2

4:1+:Q"?N_NQ" - $ i +/1+Q"aNGNQ"456 * Q" - NONQ" J "C26]+:Q"ONEN"3 ! TT&Q" # $%7N" *! 33#33 " # (0)+.)*

#68+/%Q"-N"3&'!UQ"bD1+7N"Z1B;2+5)_D+:2"0+=2D/+/Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$"D15+/H/$5D$2+"
=6D/:+Q"#+12$F"K+$F2>"0$8"$15"?6F;=%"I+>$B;6/$F"K+$F2>=$/+"#;16/Q"L#1'C%+$'-)
<#'-01&'$#)N33,#3).+$):1%->$#(5"O$ * P$Q"EON""""
"
#68+/%Q"-N"3&'!UQ"#$/=>7N"BC'-,'0%(E)"'&$+)2$'&0%&#Q%(&+$2+$'0%(E)$#3#'$&1)"#01+>38"Z1B;2+5)
_D+:2"0+=2D/+/Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$"D15+/H/$5D$2+"=6D/:+Q"C=>66F"6@"C6=;$F"
\6/]Q"?+&%'-)@+$A);'&$+)D$'&0%&#5"O$ * P$Q"EON""""
"
#68+/%Q"-N"3&'!MQ"#$/=>7N"BC'-,'0%(E)"'&$+)2$'&0%&#Q%(&+$2+$'0%(E)$#3#'$&1)"#01+>38"Z1B;2+5)
_D+:2"0+=2D/+/Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$"D15+/H/$5D$2+"=6D/:+Q"C=>66F"6@"C6=;$F"
\6/]Q"?+&%'-)@+$A);'&$+)D$'&0%&#5"O$ * P$Q"EON""""
O$ * P$Q"[3TK(:)20(+)]TJET"

K+$F2>"$15"KD * $1"C+/B;=+:"3X4KKC7Q"I6:261Q"#9N"
"

_/$5D$2+"G6D/:+Q"GF;1;=$F"
<+>$.;F;2$2;61"$15"#+12$F"K+$F2>"G6D1:+F;1H"J"#$//;$H+"$15"E$*;F%"O>+/$P%Q"G>;F5"$15"E$*;F%"
C2D5;+:Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"

C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"

_/$5D$2+"G6D/:+Q"G>;F5"$15"
956F+:=+12"I+>$B;6/$F"K+$F2>"P/6H/$ * Q"G>;F5"$15"E$ * ;F%"C2D5;+:Q"G6FF+H+"6@"I+>$B;6/$F"$15"
G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"3_/6B+:7"
"
"A15+/H/$5D$2+"G6D/:+Q"C=>66F"
6@"C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"

A15+/H/$5D$2+"G6D/:+Q"C=>66F"6@"C6=;$F" \ 6/]Q"
G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N"

A15+/H/$5D$2+"G6D/:+Q"
C=>66F"6@"C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"
EF6/;5$N"

A15+/H/$5D$2+"G6D/:+Q"
C=>66F"6@"C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"
EF6/;5$N

/$5D$2+"G6D/:+Q"
C=>66F"6@"C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"
EF6/;5$N

"A15+/H/$5D$2+"G6D/:+Q"C=>66F"6@"
C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N

"_/$5D$2+"G6D/:+Q"9PPF;+5"I+>$B;6/"
91$F%:;:Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N

"_/$5D$2+"G6D/:+Q"9PPF;+5"
I+>$B;6/"91$F%:;:Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"A1;B+/:;2%"6@"C6D2>"EF6/;5$N

"A15+/H/$5D$2+"G6D/:+Q"C=>66F"
6@"C6=;$F" \ 6/]Q"G6FF+H+"6@"I+>$B;6/$F"$15"G6 * * D1;2%"C=;+1=+:Q"

" 95B$1=+5"?:%=>6+5D=$2;61$F"Z12+/B+12;61:Q"CP/;1H"!TTS"
" 95B$1=+5"?:%=>6+5D=$2;61$F"Z12+/B+12;61:Q"CP/;1H"!TTU""
" 95B$1=+5"?:%=>6+5D=$2;61$F"Z12+/B+12;61:Q"CP/;1H"!TTM"
"
A15+/H/$5D$2+,"
" C6=;$F"C=;+1=+"K616/:Q"E$FF"!TTT"
" C6=;$F"C=;+1=+"K616/:Q"E$FF"!TTS"
" C6=;$F"C=;+1=+"K616/:Q"E$FF"!TTU"
" C6=;$F"C=;+1=+"K616/:Q"E$FF"!TTM""
" C6=;$F"C=;+1=+"K616/:Q"E$FF"!TTW"

"
-+P$/2*+12$F"9=$5+*;="0;$;:61Q"CP+=;$F"9::;:2$12"26"2>+"G>$;/"" """"""""""""""""&'!!R&'!S"

"

#$F*;Q"#$/]]D"3&'&L7N"J,004)b:)&-,30#$%(E)%"2,0'0%+().+$)"%33%(E)(+0)'0)$'(>+")>'0'8)
  A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"?D.F;="K+$F2>"3?>-";1"?D.F;="K+$F2>7Q"4D2:;5+"
  G>$;/N"

"

K$1F+%Q"9

LU"
#$%"&'&("

_6/ . %Q"G;$/$"3& ' & ! 7N"

"

I;::/$ * Q"b+/+ * %"3&' 'U7N"*D#$3+('-)$#&+$>)' (>)' 33#33 " #(0P)!$' M%&)%3)M#00#$)-#' $(0)%()' ()!$' M%&) 3+&%#04)$' 01#$)01 ' ()%()')&-' 33$++ "8"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"9/2:"$15" C=;+1=+:"K616/:"G6FF+H+Q"G6 * * ;22++"# + * . +/N"

"

O$%F6/Q"G6/21+%"3&' 'W7N"!33#33 " #(0)+.)(, $0, $' (&#)0$' 23)+.)' EE$#33%+(5)>#2$#33%+(5)' (>) ' EE$#33%+()%()&1%->$#()\%01)&+ " 2-#Z)1#' -01)&+(>%0%+(3N"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q" G6FF+H+"6@"9/2:"$15"C=;+1=+:Q"K616/:"G6FF+H+Q"G6 * * ;22++"# + * . +/N"

"

a;FF;$1Q"915/+$"3&' 'W7N"!)(#\)-++A)' 0)!, 0%3 " P):', 3#35)0$#' 0 " #(05)' (>)1+2#).+$)01#)., 0, $##8" A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"9/2:"$15"C=;+1=+:Q"K616/:"G6FF+H+Q"G6 * * ;22++" # + * . +/N"

"

C=>D * $]+/Q"K$F+%N"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"_/$5D$2+"C2D5;+:"3#NCN";1"G>;F5"J" 956F+:=+12"I+>$B;6/$F"K+$F2>7Q"E$=DF2%"95B;:6/N"

"

\+/$.Q"IF$]+N"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"_/$5D$2+"C2D5;+:"3#NCN";1"G>;F5"J" 956F+:=+12"I+>$B;6/$F"K+$F2>7Q"E$=DF2%"95B;:6/N"

I/$HHQ"C>$D1$N"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"_/$5D$2+"C2D5;+:"3#NCN";1"G>;F5"J" 956F+:=+12"I+>$B;6/$F"K+$F2>7Q"&15"E$=DF2%"#+ * . +/N"

"

I+/1:2+;1Q"b$ * ;+"3&'&L7N :, $$#(0), (%C#$3'-)3, %&%>#)2$#C#(0%+()2$+E$' " 3)%()1%E1)3&1++-)3#00%(E3) %()01#)a(%0#>)?0'0#3P)!)$#C%#\)'(>)$#&+ " " #(>'0%+(38"A1;B+/:;2%"6@"C6D2>"EF6/;5$Q" G6FF+H+"6@"_/$5D$2+"C2D5;+:"3#NCN";1"G>;F5"J"956F+:=+12"I+>$B;6/$F"K+$F2>7Q"&15"E$=DF2%"

e , C# (%-#) e , 30%&#8"A1;B+/ : ;2%"6@"C6D2>"EF6/;5$Q"G6FF+H+"6@"_/$5D$2+"C2D5;+ : "3 # ℕℂℕ";1"G>;F5" J "

9/2;=F+"<+B;+8+/"*: 1*%->$#() ' (>)]+, *01)?#$C%&#3)^#C%#* \ " """""""""""""""E$FF"& ' ! U"

9/2;=F+"<+B;+8+/"*: 1*%->$#() ' (>)]+, *01)?#$C%&#3)^#C%#* \ " "CD * * +/"& ' ! U"

0+V2 . 66]"<+B;+8+/"C$H+"?D . F;=$2;61:"3KD * $1" I +>$B;6/7"" """""""CP/;1H"& ' ! U"

(&"
$%"& ' &("

"
GEC"C+$/=>"G6 * * ;22++"# + * . +/"
<+>$. ;F;2$2;61"J"# +12$F"K+$F2>"G6D1 : +F;1H" &'!W"
"
GEC"E;+F5"XVP+/;+1=+" \ 6/]H/6DP""
E$=DF2%"# + * . +/" &'!M"
"

?/$=2;=+"<+B;+8"3C4G?<7"2/$;1;1H"$15"$1$F%:;:"8;2>"a+FF%"X1HF;:>"J"b$=]"C; * 61:Q"=6 * * D1;2%"
P$/21+/N"O+=>1;=$F"9:::2$1=+"=6FF$.6/$2;B+"3O9G7"$15"#$::$=>D:+22:"XV+=D2;B+"4@@;=+"6@"K+$F2>"
$15"KD * $1"C+/B;=+:"3X4KKC7Q"I6:261Q"#9N"

G>$;/"6@"=6 * * ;22++"8>;=>"6B+/:++:" * $22+/:"

(("
#$%"&'&("