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+*"*>(0+#*D>(&.(E&.+D>(+0.#5",C(G4&"#+>(&.($*.*$%.*D#+9(A($.#$*.#+("%0D(E&./(D$#50B05*,,C(B&.("%0D(

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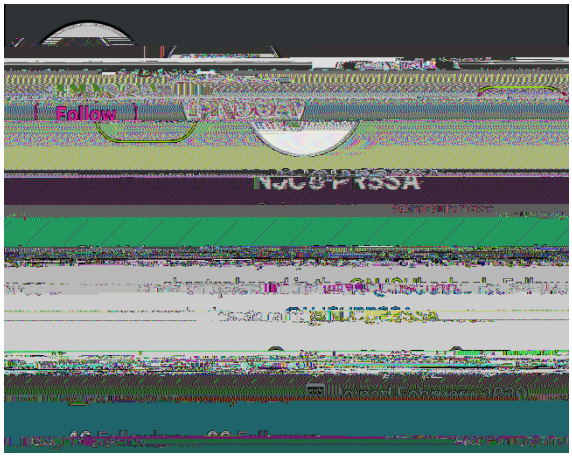

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02. "&98"$9I26+$+1"$I" - "4*+'$24$T2* - * - 8$! %) , $@A / / B$I (VM"&0" - +$I ($F 0+2I "&$

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J0"5%(H; 2 I (J : ! ! L(#F#' "D(*' +(' #ED("&(c &"%05(X0 3 #D(*' +(&"%#.($,*"B&. 3 D(F0*($.#DD(

.#,#*D#9(X%#(5* 3 $4D(3 #+0*(&4",#"D(E0,,(+#"#. 3 0' #(0B("%#($.#DD(.#,#*D#(0' B&. 3 *"0&' (0D(

' #EDE&."%C(#' &41%("&($4K,0D%9(H; 2 I (J : ! ! L(5*' ' &"(#d$#5"(5* 3 $4D(3 #+0*($,*"B&. 3 D("&(

$&D"(&.(E.0"#(*K&4"("%#(&.1*' 0U*"0&' (0B("%#C(+&(' &"(/ ' &E(*' C(0' B&. 3 *"0&' (*K&4"("%# 3 9

#,"

"

XE0""#.@(H;2I(J:!!L(5*'(0'5.#*D#(D&50*,(#'1*1#3#'"(E0"%($.03*.C($4K,05(F0*(XE0""#.(

KC($&D"0'1(*'+(.#"E##"0'1(3&.#(*'+(*(D".*"#105(4D#(&B(%*D%"*1D9(e*F#("&(4D#("%#(D*3#(

%*D%"*1D(#F#.C($&D">(K#(5&'D0D"#'"9(XE0""#.(0D(*($,*"B&.3(E%#.#(4D#.D(%*F#("&($&D"(*(,&">(

4D4*,,C(D%&."($&D">("&(/##$("%#0.($.03*.C($4K,05(#'1*1#+9(e*D%"*1D@(m3*./#"0'1(mH;2I(

mH;2I!Vg(mH;2IJ:!!L(mL+F*'5#E0"%H;2IJ:!!L(m$.DD*(

$

D90+*0'$+2$1"3M$=""+$02==6-*09+*2-$2IT"0+*."$+1&""R$D2$&9*'"$9#9&"-"''$+2$+1"$

M&*=9&($M6I3*0$9I26+$+1"$"Y03'6'*."$*-+"&-'1*M'$+1"($09-$9MM3($42&$9'9@A//B$

="=I"&$I($Z$M"&0"-+$I($!2."=I"&$WXWU$$

e*'1(0'B&.3*"0&'(B,C#.D(0'($,*5#D("%#($.03*.C($4K,05(*.#(3&D"(,0/#,C("&(K#(0'@(*.&4'+(

H;2I(!5%&&,(&B(g4D0'#DD(*'+(*.&4'+("%#(D5%&&,TD(5*B#"#.0*>(#D$#50*,,C(E0"%(D"4+#'"D(

.#"4.'0'1("&(5*3$4D9(LD(H;2I(J:!!LTD(W05#(J.#D0+#'"(W0'5#'"(2*D*,#(D"*"#+>(YE%#'(

#F#.C&'#(E*D(0'(D5%&&,>(0"(E*D(#*D0#.("&(D$.#*+(0'B&.3*"0&'(*'+(&'#(E*C("%#(&.1*'0U*"0&'(

D$.#*+(0'B&.3*"0&'(E*D(KC(%*'10'1(4$(B,C#.D(*.&4'+("%#(!5%&&,(&B(g4D0'#DD9"

[3*0,($.&B#DD&.D("#*5%0'1(0'(3*./#"0'1(*'+(3*./#"0'1Q.#,*"#+(B0#,+D(*'+(*D/("%#3(5*'(

"%#C(10F#("%#(&.1*'0U*"0&'(B0F#(30'4"#D(&B("%#0.(5,*DD("03#("&(D$#*/("&("%#0.(5,*DD(*K&4"(

#d5,4D0F#(0'"#.'D%0$D(D"4+#'"D(5*'(*$$,C(B&.(*D(*(3#3K#.(&B(*(J:!!L(5%*$"#.>(#"59"

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-2"$0"+1'*&

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D2$:"+"&=*-"$*4$!%),$@A//B$*-0&"9'":$09=M6'$="::*9$02."&98"$9I26+$+1"$

I"-"4*+'24T2*-*-8$!%),$@A//B$I($V$M"&0"-+$I($F0+2I"&$WXWU$$

<9 2&3$*.#(*'+(5&'".*D"(H;2I(J:!!L(3#+0*(5&F#.*1#(K#B&.#(V5"&K#.(7?7<(*'+(*B"#.(

V5"&K#.(7?7<9(

79 2&'+45"(0'"#.F0#E(E0"%('#E(3#3K#.D("&(+#"#.30'#(0B("%#C(B&4'+(&4"(3&.#(0'B&.3*"0&'(

*K&4"(H;2I(J:!!L("%.&41%(5*3$4D(3#+0*($,*"B&.3D9(

69 X.*5/("%#('43K#.(&B(0'G40.#D(3*+#(*K&4"(H;2I(J:!!L("%.&41%(5*3$4D(3#+0*(

$,*"B&.3D9(

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D2$:"+"&=*-"$*4$!%),$@A//B$*-0&"9'":$'20*93$="::*9$"-898"="-+$I"+#""-$

!%),$@A//B$9-:$M&*=9&($M6I3*0'$I($UX$M"&0"-+$I($+1"$"-:24+1"$WXWU$4933$

'"="'+"&S$

<9 2&3$*.#(*'+(5&'".*D"("%#('43K#.(&B($&D"D(3*+#(4D0'1("%#(%*D%"*1D(mH;2IJ:!!L(*'+(

mL+F*'5#E0"%H;2IJ:!!L($.#5*3$*01'(E0"%("%#('43K#.(*"("%#(#'+(&B("%#(5*3$*01'(

"03#"*K,#9(

79 ^&.3(*(B&54D(1.&4$(E0"%(B&.3#.>(54..#'">(*'+('#E(3#3K#.D(+0D54DD0'1("%#0.(#d$#.0#'5#(

#'1*10'1(E0"%(H;2I(J:!!L(F0*(D&50*,($,*"B&.3D9(

69 X.*5/(D&50*,(3#+0*(#'1*1#3#'">($.#5*3$*01'(*'+($&D"(5*3$*01'9(X.*5/("%#('43K#.(&B(

B&,,&E#.D>(,0/#D>(5&33#'"D>(*'+(D%*.#D(*'+(5&3$*.#("%#39(2*'(*,D&(4D#(XE0""#.(*'*,C"05D(

"&(".*5/($#.B&.3*'5#(*'+(E%*"('##+D("&(K#(+&'#("&(03$.&F#9(

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D2$:"+"&=*-"$*4$!%),$@A//B$&9*'":$9#9&"-"''$+2$+1"$M&*=9&($M6I3*0$9I26+$+1"$

"Y03 6'*."$*-+"&-'1*M'$+1"($09-$9MM3($42&$9'9@A//B$="=I"&$I(ZM"&0"-+$I($

!2."=I"&$WXWU$$

<9 2.#*"#(D4.F#C(*'+(D#'+(0"(&4"(F0*(K,*D"(#3*0,("&(D"4+#'"D(E%&(1*F#(H;2I(J:!!L("%#0.(

5&'"*5"(0'B&.3*"0&'>("&(D##(0B("%#C(/'&E(*K&4("%#(K#'#B0"D(&B(K#5&30'1(*(H;2I(J:!!L(

3#3K#.(0'5,4+0'1(*55#DD("&(*$$,C0'1("&(#d5,4D0F#(0'"#.'D%0$D9(

7 9 2&'+45"(0'Q+#$"%(0'"#.F0#E(E0"%(+0BB#.#'"(D"4+#'"D(3*0&.0'1(0'(3*./#"0'1(*'+(3*./#"0'1Q

.#,*"#+(B0#,+D("&(D##(0B("%&D#(D"4+#'"D(/'&E(*K&4("%#(#d5,4D0F#(0'"#.'D%0$D("%#C(5*'(*$$,C(

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6 9 2.#*"#(*(B&54D(1.&4$(*3&'1(D"4+#'"D("&(+0D54DD(0B("%#C(/'&E("%#(K#'#B0"D(&B(0&0'0'1(

H;2I(J:!!L>(D$#50B05*,,C("%#(#d5,4D0F#(0'"#.'D%0$D("%#C(5*'(*$$,C(B&.9(

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R>@0"#"EG"#"

=E40">LEH9"^E9"=>4?O9ß;@"85"><>8D>LDO">9"2 2 2$;UKH$0FH_C>4?O9ß;@$"`>5/9>@5"ß;KDHF05a"
b=>UE4c;=>4?O9ß;@T9137:"b137:"b137:L5K/EED$"

./0"137:"=>4?O9ß;@"A0B>49C0;9"85"DEK>90F"ß;"137:d5"MK/EED"EG"NH5ß;055I"2/ßK/"85"DEK>90F"ß;"`>4LE458F0"
RD>P>"#"ß;"3045O6"7896I"102"3045O6$"./0"=>4?O9ß;@"A0B>49C0;9"EGGO45"9/400">40>5"EG"59HF6a"Aß@89>D"
=>4?O9ß;@I"=>4?O9ß;@"T;>D69ßK5I"E4"RHLDßK"SOD>9ßE;5$"=>4?O9ß;@"=>UE45"CH59"BßK?">9"DO>59"E;0">40>"9E"
59HF6I"2/ßD0"1E;]=>4?O9ß;@"=>UE45"K>;"Cß;E4"ß;"E;0"EG"9/0">40>5"EG"59HF6$"e0>4;"CE40">LEH9"9/0"137:"
=>4?O9ß;@"A0B>49C0;9"L6"<8589ß;@"2 2 2$;UKH$0FH_>K>F0CßK5_5K/EED5]KEDDO@O5_5K/EED]
LH5ß;055_F0B>49C0;95_C>4?O9ß;@"$"

RSMMT"85"E;0"EG"92E"59HF0;9"E4@>;ßP>9ßE;5"2ß9/ß;"9/0"137:"=>4?O9ß;@"A0B>49C0;9$"c9"85"9/0"!,9/"RSMMT"
K/>B9O4"059>LD85/0F">9">"102"3045O6"H;ß<045896"K>CBH5$"137:"RSMMT"B4E<ßF05"59HF0;95"2/E">40"
ß;9040590F"ß;"C>4?O9ß;@">;F"40D>90F"B4EG055ßE;5"2ß9/"BE204GHD"BE49GEDßE"LHßDFß;@I"D0>F045/ßBI">;F"
;092E4?ß;@"EBBE49H;898O5$"YE4"CE40"ß;GE4C>9ßE;">LEH9"RSMMT"<8589"2 2 2$B455>$E4@"E4"
2 2 2$;UKH$0FH_>K>F0CßK5_5K/EED5]KEDDO@O5_5K/EED]LH5ß;055_F0B>49C0;95_C>4?O9ß;@_C>4?O9ß;@]
59HF0;9]E4@>;ßP>9ßE;5$""

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