## !''#\$%&'(\$!)'')\*\$+#,-\*.',)/\$ !''#\$%&'()\$''\*%'#( !)(++,(-./01(2'#'34&5(6'\$57\*#1(8399(:/:/(

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

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

1..0,&"2",(+0")!" #3 %45 (%6678"9 %::";<=."\$%>"?@A8"\$,%,8"B>7C86A7,D."\$%>"?@A8."EF"G;<GHIJJ; J2"

**3**&4&**56''**)&!" #KJL2"#GHK"<L=M2"

1..0,&'8''#\$%!" 3@>)%DA"%>)"Q8)>8A)%DA"I"=!JJ"R&"S"K!JJ"R&"C7%"T@@&"

! 4(%%\$'''' / !" T@@&"

! "#\$%&'9"\$ / (+:"""1 )40)&'

! "#\$%&'; &%,\$05+0")'<=&>#0\$&\*?'

U>,6@)(4,7@>",@"V(%>,7,%,7C8"68A8%64\*"&8,\*@)A"(A8)"7>"?(A,748"\$,()78A"7>4:()8A"8WR:@67>N"68:%,7@>A\*7R"@X",\*8@6D",@"8&R7674%:"8C7)8>48"%>)":@N74"(>)86:D7>N"&8,\*@)A"@X"7>V(76D"%>)"8,\*74A"7>"4@>)(4,7>N"8&R7674%:"68A8%64\*0"

2020, , 114-80

 $/:8\%A8">@,8",*\%,",*7A"7A"\%>"@>:7>8"4@(6A8"7>" \ *74*"A,()8>,A" \ 7::"<2" \ \%,4*"C7)8@A"@X"&D"4@(6A8":84,(68A",*\%,"*%C8" \ 88>"R@A,8)"@>"E%>C%A."%>)"H2",%-8"@>:7>8"V(7Y."A('&7,"R%R86"467,7V(8A"%>)"68A8%64*">@,8."%>)"4@&R:8,8"$ 

2020, , 114-80

= &> #0\$&\*'3&@+%A=&(\*0)B%'<=&>#0\$&\*?'

## 6&7.8""9"

 $\label{eq:control_state} i \%4*\&\%."^0." j "\$4*(,,."^0k0"\#HJHJ20"Z(>)\%\&8>,\%:A"@X"^8A8\%64*"7>"E67\&7>@:@ND"\%>)"E67\&7>\%:"?(A,7480"g@A"F>N8:8A."EF!"$\%N80"U$ i _!"GhL<; KK=hKJ; ;0""$ 

-.:&\$'3&)5+\*,%'

 $d, *86"68V (768)"68\%) 7 > NA" \setminus 7::" \ '8"R@A,8)"@>"E\%> C\%A0" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA"\%68"A ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*8"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*9"68\%) 7 > NA" ( 'P84, ",@"4*\%> N8" 'D"7>A,6 (4,@60" \ `*9"68\%) 7 > NA" ( 'P84, ",@"4*\%> NA" ( 'P84, ",@"4*\%) A,6 ( 'P84, ",@"4*\%$ 

!''#\$%&'=&>#0\$& / &)+%'()\*'C%%0B) / &)+%'<=&>#0\$&\*?'

8"/&D"\$E:"

2020, , 114-80

## ON'PPQRSTU'=&%&(\$,6'H&+6''\*%U'9C'VTVTU'!"#\$%&'N,6&\*#4&

## ! "#\$%&'N,6&\*#4&'

"

W&&E'	; (+&"	3''50, %U'=&(*0)B%U'C%%0B) / &)+%U'; &(*40)&%'
<"	C#B#%+'PX"	E@::84,",*8",8W,'@@-"%>)"68%)",*8"AD::%'(A"4%68X(::D"
"	1	II .
Н"	C#B'VQRVS"	\$@47%:"\$478>48"^8A8%64*!"`*8"'%A74A"
		i %4*&%>."^0." j "\$4*(,,."^0k0"'
		! <b>6</b> ( <b>5</b> +& <b>\$'P</b> !"\$478>48."\$@478,D."%>)"E67&7>@:@N74%:"^8A8%64*"""
"	1	i %4*&%>."^0." j "\$4*(,,."^0k0"'
="	C#B'YPR'N&5+6'Q'	! 6(5+&\$'V!"`*8"/6@48AA"%>)"/6@':8&A"@X"E67&7>@:@N74%:"^8A8%64*""" "
"	•	i %4*&%>."^0." j "\$4*(,,."^0k0"'
K"	N&5+G'SRPP"	! 6(5+&\$'Y!"^8A8%64*"n,*74A"%>)"/*7:@A@R*78A""
. "	1	11
	N&5+6'PQRPS'	i %4*&%>."^0." j "\$4*(,,."^0k0"'  ! 6(5+&\$'Q:'E@>48R,(%:7Y%,7@>"%>)" 3 8%A(68&8>,"""