!!!!!!!!

```
5%0*0(,+.?$@*+,#$.=0%,".!"#$%&'()'*+'",%-./'"0%:".1%2,".3&4),#'0".
A,@$B(C.,"&.D'6",#4%$(.O=.E,)4+#-.5%0*0('"6.A$F.G*#'0"H.
!
#$%&'(!) *+,'-!.//01+2,'!3$04'//0$!04!56712,+08!
```

?8%0468., .(\$%J')\$0+\$, %"'"6.\$K\*\$%'\$")\$9.(#4&\$"#(.F'++.02(\$%J\$., "&.&0)4@\$"#.#8\$. \*, %, ++\$+(.2\$#F\$\$".)04%(\$F0\%P., "&.='\$+\&.02(\$\%J, #'0"(:.

## D#4&\$"#.60, +(H.

ļ

3K\*+0%.8'(#0%), +., "&.(0)'0+06'), #.\$0"0@').0%.\$"J'%0"@\$"#, +.\*\$%(\*\$)#'J\$(.0=. 4%2, ".)0@@4"'#'\$(., "&.()800+(:.

; \$@0"(#%, #\$.P"0F+\$&6\$.0=., .J, %'\$#-.0=.#8\$0%\$#'), +.\*\$%(\*\$)#'J\$(.0".#\$, )8'"6.'". 4%2, ".)0@@4"'#'\$(.#8%0468.%\$+\$J, "#.%\$, &'"6(., "&.)+, ((.&'()4(('0"(:.

1"&\$%(#, "&.80F.#8\$.)0@@4"'#-.\*+, -(., .%0+\$.'".#8\$.(4))\$((.0=.#8\$.()800+(:.

## D#4&\$"#.Q\$,%""6.G4#)0@\$(.

 $0 < 78+,; W1*00:/Z!N$=28! \times 28('!. ('8,/!IbWW![KQ`L!])$ 

! P

T

ļ

 $\label{eq:continuous} $$ /7 = <+,!/+(82,7\$' !2//+(8<'8,!(\$26' /!,0!,*'!<+80\$!100\$6+82,0\$\%. //+(8<'8,/! /*07:6!6' <08/,\$2,'!,*'!21*+'?' <'8,!04!,*'!107$/'!(02:/\mathbb{W},76'8,/!<7/,! 10<9:','!'21*!<+80\$!107$/'!>+,*!2!\!0$!=',,'$\mathbb{M}$ $$ 1\mathbb{W}+(82,7\$'!2//+(8<'8,/!>+::!='!'?2:72,'6!=;!,*'!100\$6+82,0\$!24,'\$!,*'!4+\$/,!;'2\$! 04!,*'!<+80\$!,0!6','\$<+8'!\$':'?2\$1;!2\$6!'\$4'\1,+?'\$'/!+\$!2\$1*+'?+\$(!,*'!) (02:/j)$ 

! c

! S

#\$',+5\*+\*2'&,3"%\*5,"%,C5; .%,D&70.#"\*%,! ")),+5\*("&',#\$'3,..,5"0\$,2'#,\*/,0\*752'2,..%&,#\*\*)2,/\*5,
'3; .5A"%-,7+\*%,..,0.5''5,"%,#'.0\$"%-,"%,75; .%,20\$\*\*),&"2#5"0#29,DM7.))68,#\$',+5\*+\*2'&,3"%\*5,3.6,
;'%'/"#,#\$','0\*%\*3"02,+5\*-5.32,.2,#!\*,\*/,"#2,0\*752'2,<C5; .%,D0\*%\*3"02,..%&,D0\*%\*3"02,\*/,@\*0".),
G')/.5'L,! ")),;',')'0#"('2,"%,#\$',%'!,3"%\*59,>\$728,DNCO,2#7&'%#2,!\$\*,3.6,%\*#,\$.(',\*#\$'5!"2',
&"20\*('5'&,'0\*%\*3"02,3.6,&'(')\*+,..%,"%#'5'2#,"%,"#,F,'2+'0".))6,#\$',+5\*-5.3H2,3"%\*5,<!\$"0\$,\$.2,
2''%,2#'.&6,-5\*!#\$,"%,5'0'%#,6'.52L9,>\$728,#\$',D0\*%\*3"02,+5\*-5.3,2''2,#\$',+5\*+\*2'&,
?%#'5&"20"+)"%.56,B"%\*5,"%,C5; .%,D&70.#"\*%,.2,..%,7%M7.)"/"'&,P!"%4!"%0,..%&,2#5\*%-)6,27++\*5#2,"#9,,,,
oY:+?'\$!\OOC'-!.//01+2,'!3\$04'//0\$!04!51080<+1/!

>\$',2\*0".),! \*5A,+5\*-5. 3,"2,+)'. 2' &,#\*,27++\*5#,#\$',+5\*+\*2' &,B"%\*5,"%,C5; . %,D&70. #"\*%9,,B. %6, J@G,2#7&' %#2,. 5',"%#' 5' 2#' &,"%,! \*5A"%-,! "#\$,0\$")&5' %8,. %&,2\*3',\$. (',.,-\*.),\*/,! \*5A"%-,"%, '&70. #"\*%.),2' ##"%-29,,>\$',C5; . %,D&70. #"\*%,3"%\*5,! ")),\$')+,+5'+.5',#\$' 3,/\*5,#\$"2,#6+',\*/,! \*5A8, . %&,! ")),; ',.,%"0',. &&"#"%,#\*,#\$' "5,5' 273' 2,\*5,-5. &7. #',20\$\*\*),.++)"0. #"\*%29,,?,! ")),; ',"%0)7&"%-,

 $\label{eq:continuous} $$ $ -1^{2}! > 0\C' $/-!^* 2:, *12^! !9$04' $//+082:/-!; 07, *!286!10 < <78+, ; @0$(28+D2, +082:! :' 26' $/L! $$ 

!)  $^*2,!/,76'8,!9097:2,+08!<+(^*,!='8'4+,!4$0<!,*'!'/,2=:+/*+8(!04!,*+/!<+80$1!! D#4&$''#(.+00P'$ 

```
ļ
               26' B72,'!/,244-!286!/7990$,!9'$/088':!286!26<+8+/,$2,+08!i!)4\%\$"\#.(\#, ==., "&.
               (4**0%#.*$%(0""$+., "&., &@'"'(#%, #'0"., %$.(4==')'$"#.
ļ
R$M4'\\$@$''#(.=0\\.<)8'\$J'''6.\#8\$.\/ '''0\\.
3$0?+6'!28!07,:+8'!04!,*'!17$$+17:7<-!+81:76+8(!2!:+/,!04!,*'!9$090/'6!107$/'/!286!1$'6+,/!9'$!
107$/'%]86+12,'!,*'!,0,2:!87<='$!04!1$'6+,/!+8!,*'!<+80$%
       2%. ::!9$090/' 6!<+80$/!<7/,!+81:76' !2!<+8+<7<!04!Q!1$' 6+,/!,2C' 8!2,!,*' ![JJJ!0$!`JJJ!!
       :'?':!286!,0,2:!2!<+8+<7<!04!"J!1$'6+,/!0?'$2::\%G"$.)0\%.)04\%($9.0"$.($\%J')$.+$,\%"'"6.
       )04%($., "&.('K.$+$)#'J$(., %$., #.#8$.VWW.+$J$+:.
       =%W,76'8,/!<2;!/':'1,!4$0<!2!($079!04!+8,'$6+/1+9:+82$;!107$/'/!2::0>+8(!28!+86+?+672:!
       4017/!08!, *'!107$/'/!,0!/7+,!/,76'8,/X!+8,'$'/,%
       1%A*'$'!+/!08'!9$'$'B7+/+,'!107$/'!40$!/,76'8,/!,0!'8$0::!+8!,*'!<+80$Z!]8,$0!,0!W01+0:0(;!
       IWY\a!KKJJL\1,!+/!+< 90\$,28,!40\$!/,76' 8,/!,0!*2?'!2!407862,+082:!786'\$/,286+8(!04!,*'!
       /,76;!04!,*'!6'?':09<'8,-!/,$71,7$'-!286!4781,+08+8(!04!*7<28!/01+',;%e'40$'!<0?+8(!
       ,*$07(*!,*'!107$/'/!+8!,*'!<+80$%
ļ
ļ
```

```
N8+?' $/+, : 104! \& +88' /0, 2! \ 8, ' $!40$! \ 0 < < 78+, : ©58(2('6!_'2$8+8(!I"JKSL%H', $+'?'6!4$0 < !
        ^{\star},,92jj>>>%' $?+1':' 2$8+8 (% < 8% 67j +840j = ' 8' 4+,/%*, < :!
N8+?'$/+,; !04!A'88'//''!\'8,'$!40$!\2$''$!#'?':09<'8,!!"JKSL%G$.#,0.%,?,&*,!"#$,#$"2,3.E*5c,
        H', + ?' 6!4$0 < !^*, ^*, ^*/ 210$^*0 < j < 210$^*j 7$=28^*/, ^*76+ ^*/^*!
) 266' ::-!^%G%1''JKJL%d*2#'5"%-,5'). #"*%2$"+2,#*,"%05' . 2' ,#' . 0$'5,5' #' %#"*%, "%, 75; . %,20$**)29!
       ^07$82:!04!\7$$+17:7<!286!]8/,$71,+08-!`IKL-!cJ@QP%
```

ΚP

<\*\*\$''&'K.<H!,N'205"; ',2"3"). 5,+5\*-5. 32,! "#\$"%,#\$',2#. #',. %&,"%,%'"-\$; \*5"%-,2#. #'2,. %&,0\*3+. 5', #\$"2,+5\*-5. 3,! "#\$,#\$\*2',0755' %#)6,; '"%-,\*//'5' &9,

3\$0(\$2</!/+<+:2\$!,0!,\*'!9\$090/'6!]8,'\$6+/1+9:+82\$;!&+80\$!+8!N\$=28!56712,+08!>'\$'!+6'8,+4+'6!7/+8(-!+8!92\$,-!!,\*'!]8?'8,0\$;!04!#'(\$''!3\$0(\$2</!044'\$'6!=;!F'>!^'\$/';!]8/,+,7,+08/!04!G+(\*'\$!56712,+08%!

$$\begin{split} & F0!0, *'\$!9\$0(\$2<!\$'\ 9:+12, '\ 6!, *'\ !=\$'\ 26, *!04!+8, '\$6+/1+9:+82\$; !'\ 8(2('<'8,!286!10<<+,<'8,!,0!) \\ & /'\$?+1'!:'\ 2\$8+8(!04!, *'\ !]8, '\$6+/1+9:+82\$; !\&_+80\$!+8!N\$=28!56712, +08\%A*+/!<+80\$!9\$0?+6'/!, *\$''! \\ & 107\$/'\ !09, +08/!40\$!/'\ \$?+1'!:'\ 2\$8+8(\%) \ *:' !\$' /'\ 2\$1*+8(!8'+(*=0\$+8(!/1*00:/!286!9\$0(\$2</-!+,!>2/!80, '\ 6!, *2,!<28; !044'\$!/1*00:@=2/'\ 6!4+':6>0\$C!'\ E9'\$+'\ 81'/!, 0!47:4+::!28!'\ E9'\$+'\ 8, +2:!:'\ 2\$8+8(!10<908'\ 8, -!=7,!08:; !08'!0, *'\$!9\$0(\$2<!!H0>28!2,!\2<6'8L!044'\$' 6!/'\$?+1'@'2\$8+8(MA*'!/*8') \\ & /,\$'8(,*!04!/'\$?+1'!:'\ 2\$8+8(!+8!,*+/!<+80\$!+/!9\$0?+6+8(!/,76'8,/!>+,*!0990\$,78+,+'/!, 0!10<9:','!/$?+1'/!*07\$/!+8!10<<78+,; @=2/'6!0\$(28+D2,+08/!i!80,!:+<+,'6!,0!/1*00:/!0$!'6712,+082:!$$

! ?, 2+\$.^:.!"#\$%&'()'\*+'", %-.@'"0%.'".4%2, ".\$&4), #'0".)0@\*, %\$&.#0.\$K'(#'"6.\*%06%, @(.'".A\$F. X\$%(\$-..

5%06%, @.	!"#\$%&'()'*+'", %>4%')4+4@.	3K*\$%'\$''#', +.Q\$, %''''6. R\$M4'%\$@\$''#.
-----------	------------------------------	---

&+80\$!+8!N\$=28!W,76+' /! W,%3',' \$/!N8+?' \$/+,;! 3\$+< 2\$; !4017/!08!/01+0:0(; -! 7\$=28!28, \*\$090:0(; -!', \*8+1+, ; -! \$21' ! KT

KQ

```
3!@TJS@TP"@`TQS!
H21*':%F+$D8'$uW,01C,08% 67!
 >>>%,010,08% 67!
                                                                                                              ļ
E%0@H!^21C/08-!\*$+/,+82!
D$"#I!&0862; -!^7:; !KT-!"JKQ!SZ"`Z[T!. &!
?OH!) *+,'-!&'(V!f+$D8'$-!H21*':!
>)H!YpG2$2-!^0*8!
D42L$)#H!H'Z!7$=28!'6712,+08!<+80$!!
#' 2$!2::-!
H21*':-!]!*26!2!9*08'!12::!>+,*!&'(!286!^0*8!286!,*07(*,!,*2,!3:21'!<2,,'$/!4+,!>+,*+8!,*'!<+80$\[]4!;07!
6+/2($''!>+,*!,*2,-!+,\\/!,0,2::;!4+8'\\]!C80>!+,!8''6/!,0!='!2!6'1+/+08!=0,*!04!7/!2\\\!08!=02\\\6!>+,*\\!
. 4,' $!*' 2$+8(!,*' !6' /1$+9,+08!04!,*' !<+80$!286!,*+8C+8(!2=07,!; 07$!108,$+=7,+08!,0!07$!107$/' !286!W,01C,08-!]!
2:/0!,*07(*,!/0<'!04!;07$!0,*'$!1:2//'/!<+(*,!4+,!,*'!<+80$%!
G299;!/7<<'$-!
\*$+/,+82!
@
\*$+/,+82!^21C/08-!3*#!
. //+/,28,!3$04' //0$!04!W01+0:0(;!
W,01C,08!N8+?' $/+,;!
3*08'Z!TJS@T"T@[`""!
>>>\1*$+/,+82$U21C/08\10<!
```

! KS

```
?OH!) *+,'-!&'(!
D42L$)#H!H5Z!107$/'!108/+6'$2,+08!!
!!
G+!&'(-!
!!
]!2<!9:'2/'6!,0!:'2$8!04!,*'!N$=28!56712,+08!1081'8,$2,+08!,*2,!; 07!286!^0*8!2$'!6'?':09+8(\( \)
A*'!b\W![K0'!+/!08'!04!,*'!$'B7+$'6!107$/'/!40$!,*'!\*+6!\W,76+'/!&+80$\( \)*0*8!b$2;!,27(*,!+,!:2/,!; '2$!286!>+::!='!,'21*+8(!+,!+8!,*'!42::\( \)*!
]!/7990$,!+81:76+8(!,*'!b\W![K0'!2/!2!$'B7+$'6!107$/'!40$!,*'!N$=28!56712,+08!1081'8,$2,+08-!*0>'?'$\( \)*!+8!,*'!47,7$'-!>'!<+(*,!8''6!,0!044'$!,>0!/'/+08/!04!,*'!1:2//!,0!<'',!,*'!6'<286\( \)*!!!!!!
.::!,*'!='/,-!
.>+62!
!!
&'$;62>+62!\0:\V8-!3*\\%!=\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\\( \)*\
```

İ "J

## ^21C/08-!\\*\$+/,+82! ) '6!KJj[j"JKQ!PZJJ!3&!

 $\begin{array}{l} |||| < !, '21*+8 (!, *2,!80>\% A*2, \color="1075"/", *2,!]!, 00C!4\$0<!^\' //+'!>*'8!/*'!:'4, \color="1075"/", *48C!+,!>07:6! \\ 6'4+8+,':; !4+,-!=7,!]!608 \color="1075"/", *2,!+,!+/!1299'6!2, \color="1075"/", *2,!; 07!<2; !*2?'!, 0!='!2! \\ 1/78+0\$!, 0!='!+8\% \end{array}$ 

E%O@H!) \*+,'-!&'(!!
D\$"#H!) '68' /62;-!Y1,O='\$![-!"JKQ!KZ"K!3&!
?OH!^21C/08-!\\*\$+/,+82!w\\*\$+/,+82%21C/08u/,O1C,08% 67x!
D42L\$)#H!H'7!7\$=28!'6!<+80\$!

! "K

 $A^*28C/!40\$!(',,+8(!=210!,0!<'\%W0-!=;!/'2,/!]!<'28!'807(*!/:0,/!40\$!/,76'8,/!,0!\$'(+/,'\$!286!(',!+8,0!,*'!107\$/')!!+8B7+\$'6!2=07,!2!\$'/'2\$1*!107\$/'!286!]!>2/!,0:6!,*';!608p,!*2?'!'807(*!/:0,/!+8,0!,*')!+8B7+\$'6!2=07,!2!\$'/'2\$1*!107\$/'!286!]!>2/!,0:6!,*';!608p,!*2?'!'807(*!/:0,/!+8,0!,*')!+8B7+\$'6!2=07,!2!\$'/'2$1*!107$*/'!286!]!>2/!,0:6!,*';!608p,!*2?'!'807(*!/:0,/!+8,0!,*')!+8B7+$*(4.280)**(4.$ 

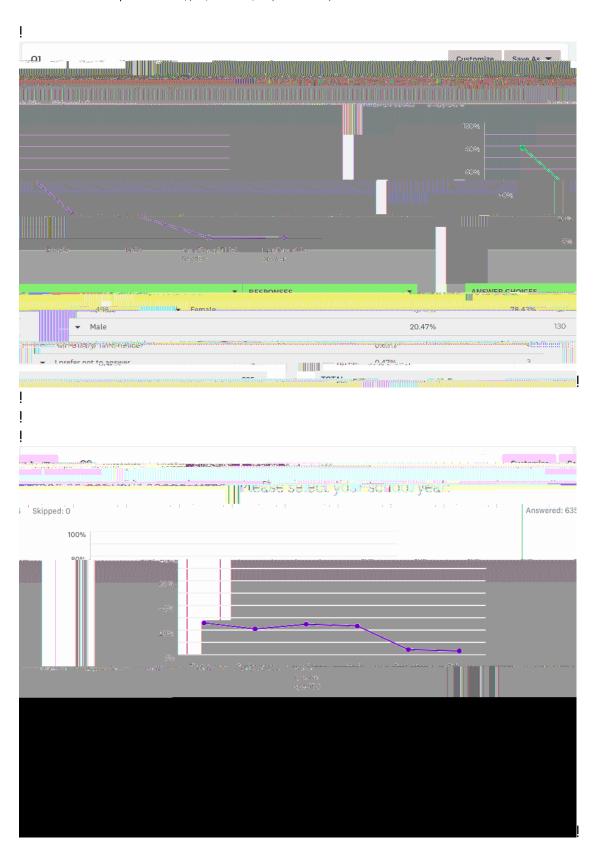
 $\mathbf{H}^{-}\mathbf{H}$ 

$$\begin{split} & \left[ p < !, \right\}; + 8 \left( !, 0 ! 4 + 86 ! 07, ! / 0 < ' ! ! + 840 \right\} < 2, + 08 ! 08 ! 2! 107 \$ / ' ! 12 :: ' 6! W 1 * 00 : / ! 286 ! W 01 + ' , ; ! I W Y \setminus a! " " S J L M ] ! \\ & 608 p, ! / ' ' ! + , ! 044' \$ ' 6! + 8! , * ' ! 92 / , ! 4' > ! / ' < ' / , ' \$ / M \# 0! ; 07 ! C 80 > ! 28 ; , * + 8 \left( ! 2 = 07, ! + , I ! ! ! \right) \\ & \left[ !! \right] \\ & A * 28 C / ! 40 \$ !; 07 \$ ! * ' : 9 M \\ & \left[ !! \right] \\ & \left[ !! \right$$

ļ

 $\begin{tabular}{ll} E\%0@H!\&+::'$-!b'8'!\%\\ D\$''#!!R\$+62;-!. 7(7/,!KJ-!''JKQ!SZ''QZKc!. \&!\\ ?OH!) *+,'-!&'(!\\ D42L\$)#!!H'Z!G7<28!b'O(\$29*;!107\$/'!\\ b006!\&0\$8+8(!&'(t!]!2<!*080\$'6!,0!*2?'!<;!107\$/'!108/+6'$'6%e'127/'!,*'!107\$/'!+/!,+'6!,0!\\ 17\$$'8,!'?'8,/!286!\$':2,'6!\$'/'2\$1*!>'!60!*2?'!7\$=28!+//7'/!9\$'/'8,'6!286!6+/17//'6!\\ ,*\$07(*07,!,*'!/'<'/,'\$%! \end{tabular}$ 

## . 99'86+E!e7!#2,2!/7<<2\$;!4\$0<!W7\$?';!&08C';!



! "P

