

O'E'5#(J9:%%'(%6(8 ?*E9M(
bD6?%\$@T] ?-0#!!
['*#!OJ\3!OPOQ!
" \$C! I *@CL!UVOQ!!
I .#%*-<6+L!U_Q!RUVOQ` UVWPS!RZ#<-* ,!?*!['*#!N"!a!& '*2\$C!\$A+#%*??*S!
!

/#%0' ,,-?*!!
M\$C!OcJVP3!OPOQ!
Rd\$@A! " \$CJ I *@CS!cLVP!\$G (GJNOLPP!1G (G!
UNQP!
!

&+%-*< ,!
M\$C!OcJVP3!OPOQ!
Rd\$@AJ " \$C! I *@CS!NLPP!1G (GJQLPP!1G (G!
UNQP!
!

/\$-*?!
['*#!OJe3!OPOQ!
Rd\$@AJ " \$C! I *@CS!NLPP!1G (GJQLPP!1G (G!
UNQP!
!

Z%\$, ,!
['*#!eJ\3!OPOQ!!
Rd\$@AJ " \$C! I *@CS!NLPP!1G (GJQLPP!1G (G!
UNQP!
!

" % ' (!M\$K?%!f#\$2#%,6-1!
['*#!_JN03!OPOQ!!
_LPP!\$G (GJQLPP!1G (G!
UVOQ!
!
bP : 5'+75(' &C(Q576%7K" &95(J+?CE5*M(
['*#!OJ\3!OPOQ!
" \$C! I *@CL!UVOQ!!
I .#%*-<6+L!U_Q!RUVOQ` UVWPS!RZ#<-* ,!?*!['*#!N"!a!& '*2\$C!\$A+#%*??*S!
D6?? ,#!?*#!A%? (!+6#!A?@@?=-*<L!
70+-*<!
M' , -0\$@!56#\$+%#!
" # , -<*\$2!5#06!

(
(
I CCE+E%&' '(L&6%7K'+E%&M!!
b7@@! I .#%*-<6+!*+##* ,-.#! ,+ '2#*+ ,! (' ,+!\$%- .#!?*!& '*2\$C!-*!+6#!@#\$!\$A+#%*??*A?%!8#<- ,+%\$+-?*3! I %-#*+\$+-?*3!?? (!
\$, , -<*(#*+ ,T' *1\$0>-*<3!\$*2!A?%!+6#!# .#*-*<#!# .#*+G!
4!!
&+ '2#*+ ,!A?%!2\$CJ?*@C!-*+##* ,-.# ,! ,6? ' @2!\$%- .#!#\$@C!?*!+6#!A-% ,+2\$C!A?%!<#*##\$@!-* ,+% '0+-?* ,G!7@@!J9:%%'(%6(I7+(' &C(
!5*EF&!)*+##* ,-.#! ,+ '2#*+ ,! ,6? ' @2!%#1?%+!?!+6#! 8 "7E5+!') "K>?*!*!M?*2\$C! (?%*- *<!*?+!+6#!9#*## , \$=!D\$ (1' ,G!!
!!
g ? '%!%#<- ,+%\$+-?*!-*A?% (\$+-?*! (' ,+!*0@ '2#!+6#!A? '%!A?% (,!B#@? =!\$@?*<!=+6!1\$C (#*+G!7@@!A? '%! (-*?%!1?@-OC!A?% (,!
(' ,+!B#!A-@@#2!?' +!\$*2! , -<*#2!B#A?%#! ,+ '2#*+ ,h!%#<- ,+%\$+-?*!- ,!0?*, -2##2!0? (1@#+#G!!
!!

NOLPP!1 (!J!NLPP!1 (!f '*06!

NLPP!1 (!J!eLVP!1 (!8#6#\$%, \$@TD@\$, #, !

!

P:5"+75("&C(Q576%7K"&95(!"#(%&'#M(S?&5(.(S?&5(@<.1./

cLVP!\$ (!J!NOLPP!1 (!D@\$, #, !

NOLPP!1 (!J!NLPP!1 (!f '*06!

NLPP!1 (!J!eLVP!1 (!8#6#\$%, \$@TD@\$, #, !

!

?1*+-0BC.'83+.0@0A3-./'\$@C*7(4*

J?&C"#<(S?&5;<(.1./'

"%G!Z?BB-#!Z\$-@#C!/ #A?% (\$*0#!Y!E\$ (-@C!D#*+#!

%

! '#\$?9BB\$'6%	BE%8*'6&4B6%F6%B9+6;!!

!!

7 @@!,+ '2#*+,!=-@@!B#!-!*!0@\$, ,#,3!%#6#\$\$,\$@,3!?!?+6#!\$0+- .-+#!,!A%? (!cLVP!\$ (!a!_LNQ!1 (!#\$06!2\$CG!
f '*06!-,!,#% .#2!\$+!*??*!=-+6!2-***%\$? '*2!QLVP!1 (G!56###!=-@@!B#!,? (#!A%##!+- (#!A?! (?,+!
0\$ (1#%,!-!*!+6#!\$A+##*??*!,G!g?'! (\$C!' ,#!+6-,!+- (#!+?! ,?0-\$@-i#!=-+6!?!+6#!0\$ (1#%,!-!*!\$11%?.#2!
\$%#\$,!?!%# ,+G!j \$06!# .#*-*<!,+ '2#*+,!=-@@!1\$%+0-1\$+#!-*\$!,1#0-\$@!\$0+- .+C!1@\$\$\$*#2G!/\$%+0-1\$*+,!=-@@!
%#0#- .#!\$! (?%#!2#+\$-@#2!,06#2' @#!@#\$+#!-!*!+6#!,1%-*<!A%? (!#\$06!D?@@#<#!?A!+6#!7%+,! : *+!
R "\$*0#T56#\$+%#TM' , -0T7%+SG!!

!!

C' ?%&' %?6%=6\$%#- '47&;!!

!

)!=-@@!B#!*#0# ,,\$C!+?!=\$@>!+?!C?' %!0@\$, ,#,!\$*2! (#@\$,!#\$06!2\$CG!56#!=\$@>!+>\$# ,!?*@C!\$!A#=#!
(-*'+# ,G!/\$%+0-1\$*+,!\$%#!\$2 .- ,#2!+?!=#\$!\$+6@#+0!,6?# ,!+?!2\$-@C!\$0+- .-+#!,!*2!B%-*<!*\$!' (B%#@@\$!
-*!0\$,#!?A!%\$*G!" \$*0#!,+ '2#*+,!=6?!\$%#!? .#%*-<6+!=-@@!B#!,6'+@#2! .-\$! (-*. \$*!+?!D6\$,+-\$!/?-*+#!
\$A+##!B#\$A\$,+!#\$06! (?%*-*<!\$*2!B\$0>!+?!+6#! (\$-*!0\$ (1' ,!\$+!2-***#G!!

!!

! '#\$9,%(F6*' 569BB;!!

!!

)A!\$,+ '2#*+!B#0? (#, !-@@!=6-@#!\$+!+6#!&' ((#%)!)*+##, - .#!=-+6!\$*!-*A#0+?' ,!.-%' ,3!^ '\$\$*+*#!
6?' ,-*<!,!\$.-\$@B@#!+?!+6#!,+ '2#*+!' *+@!\$!1\$%#*+!0\$*!\$%- .#G!j .#*+!\$*2!] #* '#!M\$*\$<# (#*+!
1#% ,?***#@!\$%#!?*J, -+#!0eTW3!\$*2!\$@=\$C, !\$.-\$@B@#!-,!9& : !/ " !\$*2!_NN!\$,!*##2#2G!/@#\$,#!0? (1@#+#!
+6#!6#\$@+6!A?% (!+6?%' <6@C3!1\$C-*<!,1#0-\$@!\$+##*+*?+?!\$*C!,1#0-A-0!\$@@#%<# ,!?!0?*2+?*,!+6\$+!
(\$C!\$11@C!+?!C?'G!)A!+6###!-,!\$! (#2-0\$@!0?*2+?+?!+6#!&' ((#%)!)*+##, - .#!,+\$AA!,6?'@2!>*?=?!A3!
1@#\$,#!+##@!' ,!B?' +!+6-,!B#A?%#!+6#!,+%+?!A!+6-,!=##>G! I A!0?' % ,#3!-A!C?' !<#+!, -0>!?!6' %+3!=#!#; 1#0+!
C?' !+?!@#!' ,!>*?=?,?!0\$*!6#@1C?' !- ((#2-\$+@CG!!

!!

! '#\$#F'4\$%'6%B#8\$&#E;!!

!!

/#%A?% (\$*0# ,!=-@@!B#!6#@2!?*!E%-2\$C!\$A+##*??*!\$+!+6#!Z\$-@#C!&06??@!A!M' , -0!Z' -@2-*<3!&+@@=#@@!!
/#%A?% (-*<!7%+,!D#*+##3!\$*2!+6#!M\$%-##+\$! "\$*0#!56#\$+%#!?*!+6#!M\$%-##+\$!D\$ (1' ,G!722+?*\$@!!
-*A?% (\$+?*=!=-@@!B#!, #*+!A%? (!#\$06!' *+!+6-,!,1%-*<G

=#!', '\$@@C!,#*2!+6#!-2-2'\$@!6? (#G!56-,-,!%\$%#C!*#0#,, \$%C3!B'+!*?+!?' +! ?A!+6#!^'#,+ -?*G!H#!
=\$*+!C?'!+?!6\$.#!\$!=?*2#%A'@!#;1#%-#*0#!\$+!+6#!9&: !&' ((#%!)**+##*,-.#G!g?'!0\$*!2?!,?!BC!
A?@@?=-*<!+6#!% '@#,\$*2!1?@-0-#,!?*!+6#!om#*##\$@!8 '@#,!/ ?@-0-#,o!A?% (G!!!

!
!

!''#\$%9,%(''#:#:6%G468\$9'78;!!

!!

D\$@@!',!\$+!eWPIQWcJ\WeO!?!\$%+, 1 >#**#,\$=G#2'G!)A!=#!2?*k!\$*,=#%!%-<6+!\$=\$C3!@#\$\$.#!\$! (#,,\$<#!
?%!# (\$-@!\$*2!=#k@@!0?*+\$0+!C?'!=-+6!+6#!\$*,=#%!\$,!,??*!\$,!1?,,-B@#G!/@#\$,#!2?*k+!6#,-+\$+#!+?!@#+!',!
>*?=3!\$,!=#!=\$*+!C?'%!#;1#%-#*0#!+?!B#!\$,!#*K?C\$B@#!\$*2!+%?'B@#JA%##!\$,!1?,,-B@#G!H#!\$%#!
@??>-*<!A?%=\$%2!+?!\$!<%#\$+!, ' ((#%!)-*+##*,-.#3!\$*2!6?1#!C?'!\$%#!+??G!!

!
!

0?*,-2##2!A?%!#;1'@,-?*G!!

!

) "K>?*() ?765DM!)A!C? '!,+SC!?!O\$ (1',3!C? ' !S%#!+?!B#!-!*!+6#!] -@@\$<#!&' -#!#\$06!*-<6+!BC!+6#!
,06#2' @#2!+ (#3!B#!? *!C? '%!A@??%!\$+!_LeQ!1 (3!\$*2!B#!- *!C? '%!%?? (!\$*2!^' -#!BC!NPLVP!1 (G!!

!!

\ %%K(ZE*E+' +E%&(' &C(!'+E&FM!&+' 2#*+,!(' ,+!,+SC!?!+6#-%!\$,,-<*#2!A@??%G! H#!2?!*?+!\$@@?=!B?C,!
-*!<-%@,h!%?? (,!?!6\$@@,3!\$*2! .-0#!. #%, \$G!E?%!C? '%!?= *!1%?+#0+-? *3!>##1!C? '%!2??%!@?0>#2!#. #*!
=6#*!=\$@>.*<!2? =*!+6#!6\$@!A?%!\$! (? (#*+G!&' ((#!) *+##*,-. #!1\$%+0-1\$*+,!\$%#!*?+!+?!\$, , ?0-\$+#!
=-+6!*? *J-*+##*,-. #!1#%,? *##@G!!

!!

' (&*+, ,)#k-. %). \$' /)&*%0!!&#)\$# /)\$&#()&# 'I(%&%2&). %)#0. 3&4"5501)&*+"%)&%2&). \$+ #)&#()&\$0!)%3&
2#&62 , 75"0. 6)&2!&70#"6"70"% . I&\$+8). %\$9&7#2%)6%" . I&+. "/)#\$"%3&2#&7#"/0%)&7#27)#%3:!!