

!

!"#\$%&'()*+,-./:;<=>?@A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [\] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9

!"

!

=-C! \T! -E.3R@KQ-538F! M@M; @<4! -8C! 87O! O@! -<@! -.!V"! 4.AC@8.4\$! [@!=-R@! -!>7.!7S! Q@7Q>@! O=7! -<@!
38.@<@4.@C!38!.=34!-8C!.=@!E78S@<@8E@!34!@6Q@843R@\$! (= @!E78S@<@8E@!<@ZA3<@4!] TUU!S7<!.<-84Q7<.-.378!-8C!
]"UU!S7<!S77C\$! [@!-<@!>77N38F! -.!]^O_!Q@<!4.AC@8.!-8C!O@!->@-C5!=-R@!^!4.AC@8.4!.-.!Q-3C!.=@3<!S@@!

T!

!

?\$ #P`) * 2 & (#) P!# (, 2 !K! I * / - 1 - & 6767 & I # 2 > 1 - & L / 0 # 0 * 2 * / , !
(= @ ! & > - M @ C - ! % 7 M Q > @ . @ ! % 7 A 8 . ! % 7 M M 3 . . @ @ ! O 3 >> ! Q < @ 4 @ 8 . ! 3 8 S 7 < M - . 3 7 8 ! 7 8 ! . = @ ! % @ 8 4 A 4 ! T U T U ! - 8 C !
= 7 O ! % B W , ? ! 4 . A C @ 8 . 4 ! E - 8 ! F @ . ! 3 8 R 7 > R @ C \$! !
(C k . # U) " / ! 4 . - . @ 4 ! . = - ! 4 = @ ! O 3 >> ! ; @ ! . = @ ! < @ Q < @ 4 @ 8 . - . 3 7 8 ! 7 S ! . = @ ! & > - M @ C - ! % 7 M Q > @ . @ ! % 7 A 8 . !
% 7 M M 3 . . @ @ \$! (= 3 4 ! 3 4 ! 3 8 S 7 < M - . 3 7 8 ! 3 8 ! < @ F - < C 4 ! . 7 ! . = @ ! % @ 8 4 A 4 ! - 8 C ! = 7 O ! 3 M Q 7 < . - 8 . ! 3 ! 3 4 9 ! 3 8 ! - ! M 7 < @ ! 3 8 K
C @ Q . = ! O - 5 \$! # 8 ! 7 < C @ < ! . 7 ! = - R @ ! . = @ ! % @ 8 4 A 4 ! S 3 >> @ C ! 7 A . 9 ! 5 7 A ! O 7 A > C ! = - R @ ! . 7 ! 3 8 E > A C @ ! @ R @ < 5 7 8 @ ! 3 8 ! 5 7 A < !
= 7 A 4 @ = 7 > C \$! # ! E 7 M @ 4 ! O 3 . = ! 7 8 @ ! Z A @ 4 . 3 7 8 8 - 3 < @ ! Q - E N @ . ! Q @ < ! = 7 A 4 @ = 7 > C \$! ` 7 < ! @ 6 - M Q > @ 9 ! 3 S ! 5 7 A ! 3 R @ ! O 3 . = !
< 7 7 M M - . @ 4 9 ! @ R @ < 5 7 8 @ ! 3 8 ! . = @ ! = 7 A 4 @ = 7 > C ! F @ . 4 ! E 7 A 8 . @ C \$! !
! C k N I * A /) - ! - 4 N 4 ! 3 S ! . = - ! M @ - 8 4 ! . = - ! 7 8 > 5 ! 7 8 @ ! Q @ < 4 7 8 ! S 3 >> 4 ! 3 ! 7 A . \$! (C k . # U) " / ! 4 . - . @ 4 ! . = - ! 4 = @ !
4 A F F @ 4 . 4 ! @ R @ < 5 7 8 @ ! S 3 >> 4 ! 3 ! 7 A . ! ; @ E - A 4 @ ! . = @ 5 ! - 4 N ! 4 Q @ E 3 S 3 E ! Z A @ 4 . 3 7 8 4 ! . 7 ! 5 7 A < ! < - E @ \$! [@ ! - < @ ! 4 . - < . @ C !
S < 7 M ! 2 - < E = ! " T ! . 7 ! & Q < 3 ! \ U ! - 8 C ! 3 ! O 3 >> ! ; @ ! 7 Q @ 8 ! @ > @ E . < 7 8 3 E - >> 5 ! S 7 < ! Q @ 7 Q @ ! . 7 ! A 4 @ \$! (= @ ! 7 S S 3 E 3 - > ! C - . @ !
7 S ! Q < 7 M 7 . 3 7 8 ! 3 4 ! & Q < 3 ! " \$! (= @ 5 ! O 3 >> ! 4 @ 8 C ! - ! > @ . . @ ! S < 7 M ! . = @ ! W \$ B ! % @ 8 4 A 4 ! ? A < @ - A ! - 8 C ! O 3 . = ! . = - . 9 ! 3 !
O 3 >> ! ; @ ! - ! < @ M 3 8 C @ < ! ; @ E - A 4 @ ! 3 ! 3 4 ! . = @ ! M 7 4 ! E < A E 3 - > ! - 8 C ! M 7 4 ! S A 8 C @ C ! S @ C @ < - > ! 7 Q @ < - . 3 7 8 4 \$! # S ! 5 7 A ! C 7 !
8 7 . ! S 3 >> ! 3 ! 7 A . ! ; 5 ! . = - ! C - . @ 9 !

\!

!

0!



!

O=7!M-5! ;@!A8C7EAM@8.@C!-8C!C7!87.!O-8.!7!C34E>74@!.=3<!38S7<M-.378\$! (C& . #U)"/!4.-.@4!
.-.!.=@!%84A4!=-4! ;@@8!4=7O38F!AQ!-!.=@! : 87O! I 7A<! *3F=.4!O7<N4=7Q4!-8C!.=@5!=-R@! ;@@8!
Q-<.8@<38F! AQ! O3.=! O@>>KN87O8! #MM3F<- .378! P 78KQ<7S3.4! 38! .=3<! 7O8! E7MMA83.5! .7! =-R@!
47M@78@!.<A4.O7<.=5\$! (= @<@!-<@!87!ZA@4.3784!-4N38F!O=-. !57A<!E3.3H@84=3Q!4.-.A4!34\$! (= @!O-54!
.7!3MQ>@M@8.!.=34!78!E-MQA4!O7A>C! ;@!.7!38E>AC@!% @84A4!@CAE-.378!38.7!.=@! : 87O! I 7A<! *3F=.4!
4@<3@4\$!!

6W;8W!

!
%\$ &% (#) P!#(, 2 K!L@*+,)" /-& I ""%*!
(=@! ?7-<C!7S!+3<@E.7<4!O3>>!. -N@!-E.378!78!-C7Q.38F!.=@!<@R34@C! , >@E.3784!%7C@\$!!
. ",)" /!7!Q74.Q78@!&E.378!#.@M!%!.7!.=@!8@6.! ?7-<C!7S!+3<@E.7<4!M@@.38F! ;5!
!N& (A)@@" /9!4@E78C! ;5!B&D#@*+A#\$!!
N& (A)@@" /&

!

34!87.!<3F=-.!-8C!Q@7Q>@!4=7A>C!87.!=-R@!.!7!O-3!.!.=<@@!O@@N4!.!7!F@!.!-!E7A84@>38F!-QQ738.M@8.S!
1!@7Q>@!4=7A>C!87.!;@!.A<8@C!-O-5!3S!.=3<!43.A-.378!C7@4!87!.!4@@M!-4!3MQ7<.-8!.!-4!-8578@!@>4@d4!
43.A-.378!\$B.AC@8.4!=-R@!;@@8!<@Q7<.38F!.=34!=-QQ@838F\$!)8@!7S!M5!3C@-4!O-4!.!7!=-R@!-!<-3838F!
Q<7F<-M!\$7<! * &49!F<-CA-.@!4.AC@8.4!7<!38!F@8@<->!7!C@R@>7Q!-8!-<@-!38!7A438F\$! (= @<@!34!-!
<77M!38!'-44@8!.-.!E-8!;@!E78R@<.@C!38.7!-!Q@<!E7A84@>38F!4Q-E@\$! (= @<@!O3>!!;@!87!7SS3E3->!
E@<.3S3E-.3789!;A.!O@!O3>!!4@@!3S!.= @<@!34!-!<-3838F!.-.!=@!L@->.!=%@8.@<!E-8!C7!.-.!O-5!4.AC@8.4!
38!L7A438F!C78d.!=-R@!.!7!O->N!->!.!=@!O-5!-E<744!E-MQA4\$!#!-M!F738F!.!7!E78.38A@!.!7!Q74.Q78@!
.-@!-E.378!3.@M!A8.3>!3.134!C78@9!;A.!#!Q>-8!78!Q>-8838F!-8C!;<-384.7<M38F!7R@<!O38.@<!;<@-N\$! . Ck
=@ (2*)%#!4.-. @4!.-.!=@5!C7!=-R@!-!E7A84@>7<9!%=@.38-!LA8.@<9!38!B@ZA73-!EA<<@8.>5\$!)8!.-@!S3<4.!
S>77<!7S!.-.!;A3>C38F9!.=@<@!-<@!.O7!<77M4!.-.!=-R@!;@@8!E78R@<.@C!38.7!7SS3E@4\$!<CkD1!-4N4!
O=-.!=@3<!7A<4!-<@\$!#!<M@M;@<!O=@8!#!O-4!->N38F!7!.=@!M-38!E7A84@>7<!-!.-.!M7M@8.9!4=@!
M@8.378@C!.-.!O3.=!=@!>-EN!7S!E7A84@>7<49!O@!=-R@!EA!.!=@!7A<4\$!!
. Ck=@ (2*)%#!4.-. @4!.-.!=@<@!A4@C!7!;@!-!(A@4C-5!-8C!(=A<4C-5!7A<4\$!%=@.38-!LA8.@<!34!78@!
7S!.=@!E7A84@>7<4!.-.!=-4!;@@8!38!L7A438F!S7<!.=<@!5@-<4\$!E Ck F\$, *0#GH1*\$,#!4-54!.-.!-4!-8!
* &!S7<! .<@@@!5@-<49!4=@!C7@4!87!.!S@@!@ZA3QQ@C!7!->N!7!4.AC@8.4!-;7A.!O=-.!34!F738F!789!
4Q@E3S3E->5\$!;@E-A4@!#!-M!87!.-!<-38@C!Q<7S@44378->#!\$S!57A!F-R@!M@!-!<-3838F!-4!-8! * &9!#!C7!
87!.S@>!E7MS7<.-;>@!.-N38F!.-.!78!;@E-A4@!3!.!O7A>C!;@!-!>7!.7S!Q<44A@<\$!<CkD1!4-54!.-.!4=@!
4Q7N@!.7!&4->@5!+@Q-QQ-9!B@8-.7<S7<! * @43C@8E@! '3S@9!4=@!.->N@C!-;7A.!=@!<-3838F!.=@5!=-C\$#!
O-8.!.;@..@<!<-3838F!78!3.138!.@M4!7S!<@47A<E@4\$! (= @!Q@<!E7A84@>38F!Q<7F<-M!34!87!.!M-8C-.7<5!
.7!C7!3.9!;A.13.!O3>!!;@!F@<-.!3S!.=@5!-<@!-!Q-<!.7S!.=@!Q<7F<-M\$! [@!O@<@!.=38N38F!-;7A.!=-R38F!
F<-CA-.@!4.AC@8.4!O=7!M-5!;@!7SS3E3->5!3E@84@C!-8C!.=@5!E-8!;@!.=@<@!S7<M7@!@6.@843R@!7A<4!
7S!.=@!C-5\$!&4!-!Q-<!.7S!.=@!<@47>A.3789!#!C7!O-8!.!7!=-R@!-!;@..@<!<-3838F!S7<! * &4!;@E-A4@!-!>7!
7S!.=@M!-<@!87!-!O-<@!7S!.=@!E<3434!7>38@S!E Ck F\$, *0#GH1*\$,#M@8.3784!.-.!CA<38F! * &!<-3838F9!
O@!-<@!F3R@8!38S7<M-.378!-;7A.!=@!E<3434!7>38@S! ! CkN1*A /)-!-4N4!3S!.=34!<@47>A.378!34!-<F@.@C!
.7O-<C4!.=@!M@8.->!=@->.=!7S!4.AC@8.4!7<!F@8@<->!Q@<!E7A84@>38F\$!<CkD1!4.-. @4!.-.!-!-!4.AC@8.4!
-!B`!4.-. @!M@8.378@C!.=@5!=-C!-!Q<7F<-M!>3N@!.=34!78!.=@3<!E-MQA4\$!#!O3>!!>77N!38.7!.-.!78@!.7!
4@@! O=-.!O7<N4!-8C!F@!.!;-EN!.7!57A\$! . Ck=@ (2*)%#!4-54!.-.!=@!Q@<K.7KQ@<@!34!-!F@<-!
7QQ7<.A83.5\$!)8@!7S!.=@!.=38F4!.=@!E7A84@>38F!Q<7F<-M!34!4.<AFF>38F!O3.=!34!4->-<3@4\$! [=@8!.=@5!
<.5!.7!7SS@<!Q743.37849!3.134!454.@M!O3C@!-8C!E-8!87!.!M-.E!7A.43C@!-F@8E3@4\$!#.134!87!.-;7A.!=@!
8AM;@<!7S!4.-SS38F9!3.134!-;7A.!;@38F!-;>@!.7!<@E<A3.147M@;7C5\$!<CkD1!4.-. @4!.-.!-!>7!.7S!
E7A84@>7<4!.-.!O@!=-C!;@S7<@!.-.!O@<!A8>3E@84@C9!;A.!78E@!.=@5!O@<!>3E@84@C9!.=@5!>@S!.!7!
-87.=@<!-F@8E5\$!!

a!

!
D###S!

f!

!

!

!