

**!'##\$%&'()*+(-. / (0121(3(4+56758#9'(*)(
: 57+*97*6* ; 57'(!**

!!

!#\$%!"&'(%

*****E)2'R%!]#%#%/J!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!<0.4\$4%)5,!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : : !F! B !F!=3=>F@3;>!F! "MEW! : : ?!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : ; !F! A !F!=3=>F@3;>!F! I ^GN! ? : : !

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : =!F! A !F! ; 3 ; @F=3?@!F! _ ` _ _ ! ?!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : @!F! B !F! : : 3 : @F : ?3>@!F! "MEW! : : =>!

*****9 : : .0* ;)26, '* A B ! : !K! ; !1 7 !R% !N I O P ! => : !

*****! # \$%&'*E)2'R%k*#%#%/J + , - . - (\$ / - k# /)!

!!

!!!!!!!!!!!!!!a\$, *!] (-.\$*!

*****<0.4\$4%)5,!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : ?!F! A !F! ? 3 ; >F ; 3 ? >!F! "MEW! : : ; <I!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : <!F! M !F! =3=>F@3;>!F! I ^GN! ? : : !

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : <!F! M !F! =3=>F@3;>!F! I ^GN! ? : : !

*****9 : : .0* ;)26, '* A ! : >F : : L : F ? ! B ! : !F ; !R% !N I O P ! ; >9!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! ! # \$%&'*a\$, *k* (-.\$* + , - . - (\$ / - k# /)!

!!

*****"#\$%!"'()%*!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!<0.4\$4%)5!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : X!F! B !F! @3=@F<3;@!F! b ` A P ! : c 9 >!

*****9 : : .0* ;)26, '* "##!\$5 - \#k!

*****! # \$%&'*"\$#\$%&'2'()%* + , - . - (\$ / - k# /)!

*!

+)26,0*9?@0.4%A0!

*!

MOR2!, -)(2#!#[\$ 7R%#2!'O#!5\$2R,!, -%, #1'2!-V!7R, (-#, -% - 7R, 2&!MO#!-58#, 'R\#R2!' -!/#\#. -1!\$%/!
)%/#(2'\$%/R%S!-V!'O#!5#O\$\R-(!\$%/!'O#!R% '#(\$, 'R-%2!-V!R%/R\R/)\$.2L!VR(7 2L!\$%/!S-\#(% 7 #%'&! B #!
QR..!/#\#. -1!5\$2R,!' --.2!'O\$'!, \$%15#!)2#/'! -!\$%\$.J6#!(#\$.!Q-(./!R22)#2!'O(-)SO!\$!7R, (-#, -% - 7R, !
.#%2&!M-1R, 2!R%, .)/#/#'(7R%R%S!#, -% - 7R, !1(-5.# 7 2L!O-Q!, -%2) 7 #(\$%/!5)2R%#22#2!7 \$*#!
/#, R2R-%2L!O-Q!7 \$(*#2!Q-(*L!O-Q!'O#J!V\$R.!\$%/!O-Q!S-\#(% 7 #%'!\$, 'R-%2!\$V#,'!7 \$(*#2&!

!!

<072%601*B0C4!

d\$)..!] ()S 7 \$% !\$%/!G-5R%! B #..2L! AR, (-#, -% - 7R, 2L!<'O!#/R'R-%L!?'>:DL! B -('O!d)5.R20#(2&!T%!
\$/ /R'R-%L!J -)!###/'!-!2RS%!)1!V-(!'O#!E, OR#\#!1.\$'V-(7!' -!, - 7 1.#'#!'O#!Q##*.J!O-7 #Q-(*!
\$22RS% 7 #%'2&!MO#!E, OR#\#!1.\$'V-(7!1(-\R/#2!J -)!QR'O!\$, , #22!' -!'O#!#c -- *&!

!!

D\$406%\$&!

*!

T%!'OR2!, -)(2#!Q#!QR..!, -\#(!IO\$1'#(2!;!K!:: ;!\$%/!IO\$1'#(2!:@F:9!-V!'O#!#['5--*&!"##!'O#!, -)(2#!
2, O#/).#!V-(!7 -(#!/#'\$R.2&!!

*!

E60\$>1) = 5*) : *F)%54,!

*!

G#,R'\$'R-%3!:>e!

- E''#%/\$%, #!R2!(#U)R(#/!'\$'!(#,R'\$'R-%&!
- H-)!7 \$J! #%, , *G!(#,R'\$'R-%!QR'O-)'!1#%\$. 'J!/) (R%S!'O#!2# 7 #2'#(&!
- TV!J-)!#[1#(R#%, #!\$!1#(2-%\$.!(#\$2-%!, \$)2R%S!J-)'!-!7 R22!7 -(#L!, -%'\$, 'J-)(!ME&!

!!

^#,'.)(#!d\$(R,R1\$'R-%3!:>e!

- H-)!7 \$J! #%, , *H!#,'.)(#2!'O(-)SO-)'!O#!2# 7 #2'#!(QR'O-)'!1#%\$. 'J&!!
- MOR2!R%, .)/#2!7 R22#/'!#,'.)(#2!V-(!2R, *%#22L!V\$ 7 R.J!#7 # (S#%, R#2L!#, &!

- TV!J-)!\$(#!#[1#(R#%,R%S!1#(2-%\$.!,R(,) 72'\$%,#2!'O\$'!(#U)R(#J-)'!-!7R22!7-(#!'O\$%!;! .#,'#)2L!1.#\$2#!,-%'\$,'!7#k!
- I.R,*#(!U)#2'R-%2!QR..!5#!)'R.R6#/'!-!,0#,*!V-(!1\$('R,R1\$'R-%!4!\$'##%/\$%,##!f''\$('R%S!R%!Q###! ?g!
- " #\$\$%&'\$(#)\$*k+,\$&- 'k./#0\$12\$#+34+. #4.1&5#\$'#40+k+, \$4+6\$7401&. &741&2+\$&+\$89\$.2)0*#!\$:2)\$ %&'\$+##6\$12\$345#\$4+\$&- 'k./#0\$*1)6#+1\$477\$4..2)+1;\$0#,&*1#0\$92)0\$. 'k./#0\$13#0#;\$4+6\$ 62%+'246\$4+6\$*#1\$)7\$13#\$477\$ \$92)\$,#1\$12\$. '4**!
- M-!\$.OR#\#!1\$('R,R1\$'R-%!1-R%'2!V-(!\$/J!J-)!QR..!%##/'!-!\$%2Q#(!\$..!5)'!-%#!,.R,*#(! U)#2'R-%!1-2#/'/)(R%S!.#,'#)k!

b - 7#Q-(*3! ?> e !

- b - 7#Q-(*!QR..!5#!, - 71.##/'!0(-)SO!'O#!hE,OR#\#Z!1(-S(\$7&!!
- MO#!&)=0,4*4=)*

- MO#2#!\$22RS% 7 #%'2!\$(#! 7 #\$\$'!' -!5#!, - 7 1.#'#/!5#V-(#!'0#!, -((#21-%/R%S!.#,')(#2&! MO#(#V-(#L!'0#J!QR..!5#!/)#!\$!Q##*!5#V-(#!'0#!, -((#21-%/R%S!b B &!B/060*=%&&*?0*5)*&\$40* \$.014\$5.08!
- P - '!, - 7 1.#'R%S!'OR2!QR..!%- '!0)('!J-)(!2, -(#&!!
- H-)!, \$%#!#\$(%!)1!' -!@!1 -R%'2! -%!J-)(!VR%\$.!#[\$ 7 !K!RV!J-)!S#'!V) ..!1 -R%'2!V- (!\$.!.#\$(%R%S! ,)(\#!\$22RS% 7 #%'2L!T!QR..!\$/!/@!1 -R%'2!' -!J-)(!VR%\$.!#[\$ 7 !2, -(#&!MOR2!\$ 7 -)%'2!' -!\$! 1-22R5.#!-V! :&@ e !-V!#['(\$!, (#/R!'V- (!J-)(!- \#(\$..!S(\$/#&!
-

"/#%'2!\$%/!V\$,).!J!\$(#!(#21-%2R5.#!V-(!7\$R%'\$R%R%\$!\$%\$!11(-1(R\$#!.#\$(%R%\$!#%\R(-%7#%'!R%!\$..!
R%2'()),'R-%\$.!2#!'R%\$2L!QO#'#O#(!R%!1#(2-%L!(#7-'#L!-(!-%.R%#&!C\$R.)(#!'-\$/O#(#!'-'2),O!5#O\$R-(\$!
2'\$%/\$(/2!7\$J!5#!2)58#,'!-'!R2,R1.R%#&!d(-V#22R-%\$.!,-)(#2J!\$%/!2#%2R'R\J!\$(#!#21#,R\$..J!
R71-('\$%'!QR'O!(#21#,'!-'!R%/R\R/)\$2!\$%/'!-1R,2!/#\$.R%\$!QR'O!(\$,#!!,--(L!%'R-%\$.!-(R\$R%L!2#[L!
1(#S%\$\$,JL!\$S#!!/R2\$5R.R'JL!,(##/L!(#.R\$R-%L!2#[L]\$!-(R#%'\$R-%L!S#%/#(R/#%'R'JL!S#%/#(!#[1(#22R-%L!
\#'#(\$%!2'\$!)2L!1-.R'R,\$!\$VVR.R\$'R-%L!-(!1-.R'R,\$!1OR.-2-1OJ&!
!

C-(!7-(#R%V-(7\$'R-%L!2##!'O#!,.\$22(-7!5#O\$R-(!1-.R,JL!'O#!'')/#%'!I-/#!-V!I-%/),!L!\$%/'!
'O#!OVR,#!-V!T%2'R')'R-%\$.!NU)R'J!\$%/'!I-71.R\$%,#&!

<072%60#054,*:)6*N5:0.4%)2,*Q%,0\$,0,!

A#75#(2!-V!'O#!I`!c-)./#!(,!-77)%R'J!\$%/'!\R2R'-(2!'-\$,71)2!7)2!'V-...-Q!)%R\#(2R'JL!
/#1\$(7#%'L!\$%/!5)R./R%\$!O#\$.'O!\$%/!2\$V#J!(#U)R(#7#%'2!\$%/'!\$..1)5.R,!O#\$.'O!-(/#(2!'-(#/) ,#!
'O#!(R2*!-V!21(#\$/R%\$!R%V#, 'R-)2!/R2#\$2#2&!!

MO#!I`!c-)./#!(,\$71)2!R2!),((#%'J!7\$2*!-1'R-%\$.&!b-Q#\#(L!RV!7\$2*2!\$(\$!\$S\$R%!(#U)R(#/!R%!
,\$22(-72L!2')/#%'2!QO-!V\$R.!-\$/O#(#!'-'7\$2*%R%\$!(#U)R(#7#%'2!QR..!5#!\$2*#/'!-'!.\$#\#!,.\$22&!
''')/#%'2!QO-!/-!%-!.\$#\#!,.\$22!QO#%\$!2*#/'!-(!QO-!(#V)2#!-'!,-71.J!QR'O!'O#2#!(#U)R(#7#%'2!
QR..!5#!(#V#((#/'!-'!''')/#%'!I-%/),!q!I-%V.R,'!G#2-.)'R-%&!'')/#%'2!QO-!(#U)R(#!\$,,-77-/\$'R-%!
5#,\$)2#!\$!/R2\$5R.R'J!1(#\#%'2!'O#7!V(-7!V).VR..R%\$!2\$V#J!7#2)(#2!(#.\$#/'!-'!R%V#, 'R-)2!/R2#\$2#!
QR..!5#!\$2*#/'!-!V-...-Q!'O#!2'#12!R%!'O#!jE,,-77-/\$'R-%!V-(!WR2\$5R.R'R#2k!2'\$#7#%'!-'!OR2!
2J..\$5)2&!

C-(!'O-2#!QO-!V##.!R..!\$%/'!OR%*!J-)!7RSO'!O\$\#!IO r TWF:D!-(!RV!J-)!O\$\#!'#2'#/!1-2R'R\#!V-(!
IO r TWF:DL!1.#\$2#!2'\$J!O-7#!\$%/'!V-...-Q!'O#!V)'(O#(S)R/\$%,#!-V!'O#!d)5.R,!b#\$.'O!OVR,#&!C-(!
'O-2#!QO-!O\$\#!5##%!R%!,.-2#!,-%'\$,'!QR'O!2-7#-%#!QO-!O\$2!IO r TWF:D!5)!/-!%-!'O\$\#!\$%J!
2J71'-72!\$%/'!O\$\#!%-!'!#2'#/!1-2R'R\#!V-(!IO r TWF:DL!J-)!/-!%-!'!##/'!-'!2'\$J!O-7#&

F60:06601*-421054*R\$ # 0,*\$51*F6)5)25,!

I `!c-)./#!(#,-S%R6#2!O\$!2')/##'2s!.#SS.!R%V-(7\$'R-%!/ -#2%\$!\$.Q\$J2!\$.RS%!QR'O!O-Q!O#J!
R/#%'RVJ&!"')/##'2!7\$J!)1/\$#!'O#R(!1(#V#((#/%\$7#2!\$%/!1(-%-)%2!\R\$!O#12')/##'1-('\$t!O-2#!
1(#V#((#/%\$7#2!\$%/!1(-%-)%2!\$(#!.R2'#/!-!R%2'),'- (2s!,. \$22!(-2'#(2&T%!'O#\$52#%,#!-V!2),O!
)1/\$'#2L!O#!%\$7#!'O\$!'\$11#\$(2!-%!'O#!,. \$22!(-2'#(R2!'O#12')/##'2!.#SS.!%\$7#&!

:)5)6*+)10!

E..!2')/##'2!#%(-. #/!R%!\$!`%R\#(2R'J!-V!I-.-(\$/-!c-)./#!(-) (2#!\$!(#!(21-%2R5.#!V-(!*%-QR%\$!
\$%/!\$/O#(R%\$!'-'!O#!b-%-(!I-/#&!rR-.\$'R-%2!-V!O#!b-%-(!I-/#!7\$J!R%,.)/#15)'!\$(#!%-'!R7R'#/!
'-3!1.\$SR\$(R27!FR%,.)/R%\$!)2#!-V!1\$1#(Q(R'R%\$!2#(\R,#2!-(!'#,0%-.-SJ!u2),O!\$2!#22\$J!5-'2vgl!
,O#\$'R%SL!V\$5(R,\$'R-%L!.JR%SL!5(R5#(JL!O(#\$'L!))\$)'O-(R6#/\$\$, ,#22!-'!\$, \$/#7R,!7\$'#(R\$.2L!,.R,*#(!
V(\$)/L!2)57R'R%\$!O#12\$7#!-(!2R7R.\$(Q-(*!R%!7-(#!O\$%!-%#!,-) (2#!QR'O-)'!1#(7R2R-%!V(-7!\$.! !
, -) (2#!R%2') ,'- (2!R%\-. \#/L!\$%/\$R/R%\$!\$, \$/#7R,!/R20-%#2'J&!!

E..!R%,R/#%'2!-V!\$, \$/#7R,!7R2,-%/), '!QR..!5#(#!1-('#/!-'!')/##'!I-%/), '!'q!I-%V.R, '!
G#2-.)'R-%3!O-%-(+,-.-(\$/-&#/)L!;>;F=D?F@>&!"')/##'2!V-)%/!(#21-%2R5.#!V-(!\R-.\$'R%\$!
'O#!b-%-(!I-/#!QR..!5#!22R%#/#!(#2-.)'R-%!-'', -7#2!V(-7!'O#!'')/##'!I-%/), '!'q!I-%V.R, '!
G#2-.)'R-%!\$2!Q#..!\$2!5#!2)58#,'!-'!\$, \$/#7R,!2\$%, 'R-%2!V(-7!'O#!V\$),.)'J!7#75#(&!rR2R'!b-%-(!
I-/#!V-(!7-(#!R%V-(7\$'R-%!-%!'O#!\$, \$/#7R,!R%'#S(R'J!1-.R,J&!!

-0C2\$&*D%,.)512.40*Q%,.6%#%5\$4%)50* ; \$6\$,., #054*\$51\$)6* <0&\$401* <04\$&(\$4%)5!

I `!c-)./#!(R2!, -77R'#/!'!-IV-2'#(R%\$!\$%R%,.)2R\#!\$%/!Q#., -7R%\$!.#\$(%R%SL!Q-(*R%SL!\$%/!.R\R%\$!
##\R(-%7#%&!`%R\#(2R'J!1-.R,J!1(-OR5R'2!2#[!)\$.!7R2,-%/), '!'fO\$(\$227#%'L!#[1.-R'\$'R-%L!\$%/!
\$22\$).!gl!R%'R7\$'#!1\$('%#(!\R-.#%,#!f/'\$'R%\$!-(!/-7#2'R,!R-.#%,#gl!2'\$.*R%SL!1(-'#,#/F,. \$22!
)R2,(R7R%'R-%!\$%/!O\$(\$227#%'L!\$%/!(#.\$#/!(#\$.R\$'R-%!5J!-(!SSR%2!'7#75#(2!-V!-)(!, -77)%R'J!
-%!\$%/!-VV!, \$71)2&!

!!

rR2R'!OTNI!V-(!-(!7-(#!R%V-(7\$'R-%!\$5-)'!)%R\#(2R'J!1-.R,R#2L!(#1-(R%\$!-1'R-%2L!\$%/!2)11-(!
(#2-)(,#2&!TV!J-)!5#R#\#J-)!7\$J!O\$ \#5##%2)58#,'#/!'!7R2,-%/), '!'#7\$R.OTNI!-(!,\$.!;>;F
=D?F?:?9!

C\$,.)'J!\$%/!S(\$/)\$'#!R%2'(), '-(2!\$(#!(#U)R#/!'!-R%V-(7!OTNI!QO#%'O#J!.#\$(%!'V!\$%J!R22)#2!
(#.\$#/'!-'!O#2#11-.R,R#2!(#SS(/.#22!-V!QO#%!'-(!QO#(#!'O#J!-,.)((#/&!MOR2!#%2)(#2!'O\$'R%/R\R/)\$2!
R71\$, #/!(#,#R\#R%V-(7\$'R-%!\$5-)'!O#R(!RSO'2L!2)11-(!(#2-)(,#2L!\$%/!(#2-.)'R-%!-1'R-%2&!
rR2R'!O#!W-%Z!TS%-(#T!1SS#!'-!.\$\$(%!'7-(#!\$5-)'!(!1-(R%\$!\$%/!2)11-(!-1'R-%2&!

!!

<0&M%)2,* ;)\$L!

I \$ 7 1) 2 ! 1 - . R , J ! (# S \$ (/ R % S ! (# . R S R -) 2 ! - 5 2 # (\ \$ % , # 2 ! (# U) R (# R (# R % [. 2 (R) 7 ! V % #) [. 2 (R) 7 J ! 1 % * R R R J ! R [. 0 . 2 (S ! [. 2 (R) 7 - ! /) . 2 (R)
