

\$

!!
!

!

"#\$%&'(!) *#'"+, -#./!- / - . + 0!12!0 3 , / 43 * 5!6 1 4#7 /!1 *!- + 8!5#- 7 , # 0 #* 3 . #1 *!
"#\$%&'()*!#+!, -(!. &/%)!&0! 1 (2(3,45!673(!895!8: ; <=# > (3)()!673(!; ?5!8: ; @=# > (3)()!673(!8; 5!
8: ; ?=# > (3)()!67A+!885!8: 8: 5!# > (3)()!67A+!B; 5!8: 8< CD!

!

6) , 61 - +!3 * 5!3664#7 39#4# . /!!

!

E-(!F3G'(%4G,+!H+4,(>!&0! I /%+A/3)! "FH I C!G4!J&> >G,,(,!&!\$%&'G)G32!/!K&%LG32!/3)!A(/%3G32!
(3'G%&3>(3,!0%(!!0%&>!H(M!NG4J%G>G3/,G&3 !,-%&72-!,%/G3G325!()7J/,G&35!\$(' (3,G&3!\$%&2% />45!/3)!

(

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%

\$

- JD E - (! \$ / % , G (4 R ! / 2 (4 5 ! % & A (4 ! K G , - G 3 ! , - (! T 3 4 , G , 7 , G & 3 R 4 ! S) 7 J / , G & 3 ! Q % & 2 % / > ! & % ! # J , G ' G , + 5 ! \$ % (' G & 7 4 ! G 3 , (% / J , G & 3 4 5 ! / 3) ! & , - (% ! 0 / J , & % 4 ! / * & 7 , ! (/ J - ! \$ / % , + ! , - / , ! > / + ! * (! 1 (A (' / 3 , ! , & ! (' / A 7 / , G 3 2 ! , - (! 0 0 (J , 4 ! & 0 ! , - (! J & 3) 7 J , = !
-)D E - (! A & J / , G & 3 ! & 0 ! , - (! J & 3) 7 J , ! / 3) ! , - (! J & 3 , (M , ! G 3 ! K - G J - ! , - (! J & 3) 7 J , ! & J J 7 % % () = ! / 3) !
- (D O , - (% ! 4 (M [* / 4 () ! - / % / 4 4 > (3 , ! G 3 ! , - (! T 3 4 , G , 7 , G & 3 R 4 ! S) 7 J / , G & 3 ! Q % & 2 % / > ! & % ! # J , G ' G , + D !

Qk - : T G D C ! 3 @ D G C > ! ! 5 D < = J ! " < ? C : = H : ! ! 5 ? A : @ > H ! " < ? C : = H : ! ! ? I ! - > D C Z < = J ! ! ! !

!

- 6k - : T \$ 9 D @ : E ! O D I D @ @ A : = > B I ? M < [< : E ! [F ! 0 E ! 7 ? E : ! 3 = = W ! - > D > : ! N ? K > !] ! P (\$ ' (% ! ! > (/ 3 4 ! 7 3 K (A J & > (! / 3) ! & 0 0 (3 4 G ' (! J & 3) 7 J , 5 ! K - G J - ! 3 (() ! 3 & , ! * (! 4 (' (% ! & % ! \$ (% ' / 4 G ' (5 ! K - (3 ! , - (! J & 3) 7 J , ! G 4 ! * / 4 () ! & 3 ! 4 (M 5 ! 4 (M 7 / A ! & % G (3 , / , G & 3 5 ! & % ! 2 (3) (% ! G) (3 , G , + ! & % ! J & 3 4 G 4 , 4 ! & 0 ! 7 3 K (A J & > (! 4 (M 7 / A ! /) ' / 3 J (4 5 ! % (W 7 (4 , 4 ! 0 & % ! 4 (M 7 / A ! 0 / ' & % 4 5 ! & % ! & , - (% ! J & 3) 7 J , ! & 0 ! / ! 4 (M 7 / A ! 3 / , 7 % (= ! / 3) ! ! ; D H 7 * > G 4 4 G & 3 ! , & ! , - (! J & 3) 7 J , ! G 4 ! > /) (! (G , - (% ! (M \$ A G J G , A + ! & % ! G > \$ A G J G , A + ! / ! , (% > ! & % ! J & 3) G , G & 3 ! & 0 ! , - (! > \$ A & + > (3 , ! & 0 ! / 3 ! G 3) G ' G) 7 / A = ! 8 D H 7 * > G 4 4 G & 3 ! , & ! & % ! % (P (J , G & 3 ! & 0 ! , - (! J & 3) 7 J , ! G 4 ! 7 4 () ! / 4 ! / ! * / 4 G 4 ! 0 & % ! (> \$ A & + > (3 , !) (J G 4 G & 3 4 ! / 0 0 (J , G 3 2 ! , - (! G 3) G ' G) 7 / A = ! & % ! B D . / 4 () ! & 3 ! , - (! , & , / A G , + ! & 0 ! , - (! J G % J 7 > 4 , / 3 J (4 5 ! , - (! J & 3) 7 J , ! J % (/ , (4 ! / ! K & % L G 3 2 ! (3 ' G % & 3 > (3 , ! , - / , ! / ! % (/ 4 & 3 / * A ! \$ (% 4 & 3 ! K & 7 A) ! \$ (% J (G ' (! , & ! * (! / * 7 4 G ' (! & % ! - & 4 , G A (D !

!

Wk - : T ! 5 < @ H I < A < = D < ? = ! > (/ 3 4 ! (M J A 7 4 G & 3 ! 0 % & > ! \$ / % , G J G \$ / , G & 3 ! G 3 ! & % ! * (G 3 2 !) (3 G () ! , - (! * (3 (0 G , 4 ! & 0 ! / 3 + ! S) 7 J / , G & 3 ! Q % & 2 % / > ! & % ! # J , G ' G , + ! & 0 ! / 3 ! T 3 4 , G , 7 , G & 3 ! & 3 ! , - (! * / 4 G 4 ! & 0 ! 4 (M 5 ! G 3 J A 7) G 3 2 ! 4 (M ! 4 , (% (& , + \$ (4 5 ! 4 (M ! J - / % / J , (% G 4 , G J 4 5 ! 4 (M 7 / A ! & % G (3 , / , G & 3 5 ! 2 (3) (% ! G) (3 , G , + 5 ! / 3) ! Q % (2 3 / 3 J + ! & % ! 1 (A / , () ! Y & 3) G , G & 3 4 D ! H (M [. / 4 () ! c / % / 4 4 > (3 , ! G 4 ! / ! 0 & % > ! & 0 ! H (M ! N G 4 J % G > G 3 / , G & 3 D !

!

, & - > D C Z < = J ! > (/ 3 4 ! (3 2 / 2 G 3 2 ! G 3 ! / ! J & 7 % 4 (! & 0 ! J & 3) 7 J , !) G % (J , () ! / , ! / ! 4 \$ (J G 0 G J ! \$ (% 4 & 3 ! , - / , ! K & 7 A) ! J / 7 4 (! / ! % (/ 4 & 3 / * A (! \$ (% 4 & 3 ! , & ! 0 (/ % ! 0 & % ! , - (G % ! 4 / 0 (, + ! & % ! , - (! 4 / 0 (, + ! & 0 ! & , - (% 4 ! & % ! 4 7 0 0 (% ! 4 7 * 4 , / 3 , G / A ! (> & , G & 3 / A !) G 4 , % (4 4 D ! ! !

!

- & - > G E : = ! > (/ 3 4 ! / ! \$ (% 4 & 3 ! K - & ! - / 4 ! 2 / G 3 () ! /) > G 4 4 G & 3 ! , & ! / 3 ! T 3 4 , G , 7 , G & 3 D !

!

. & - G B B ? I > K : ! 0 : D @ G I : @ ! / % (! 3 & 3 [] G 4 J G \$ A G 3 / % + 5 ! 3 & 3 [\$ 7 3 G , G ' (! G 3) G ' G) 7 / A G Z () ! 4 (% ' G J (4 ! & 0 0 (%) ! / 4 ! / \$ % & \$ % G / , (5 ! / 4 ! % (/ 4 & 3 / * A + ! / ' / G A / * A (5 ! K G , - & 7 , ! 7 3 % (/ 4 & 3 / * A + ! * 7 %) (3 G 3 2 ! / ! Y & > \$ A / G 3 / 3 , ! & % ! 1 (4 \$ & 3) (3 ,

(

\$

Pk Q%&'G)(!47\$\$&%,!)7%G32!,-(!T34,G,7,G&3R4!2%G(' /3J(!\$&J())7%(4D!

H7\$\$&%,G'(! I (/47%(4! > /+!G3JA7) (!J&734(AG325! (M,(34G&34! &0!)(/)AG3(4! &%! &,-(%!J&7%4([
%(A/,(! /)P74,>(3,45! >&)GOGJ/,G&34! &0! K&%L! &%! JA/44! 4J-()7A(45! J/>\$74! (4J&%,! 4(% 'GJ(45!
%(4,%GJ,G&34!&3!J&3,/J,!/\$\$AG(!, &!&3(!&%!>&%(!\$/%,G(45!J-/32(4!G3!K&%L!&%!- &74G32!A&J/,G&345!
A(/ '(4! &0! /*4(3J(5! G3J%(/4)! 4(J7%G,+! /3)! >&3G,&%G32! &0! J(%,/G3! /%(/4! &0! ,-(! J/>\$745!
,%/G3G32! /3)! ()7J/,G&3! \$\$&2%/>4! %(A/,(!)!,&! H(M[. /4)! c /%/44>(3,5! /3)! &,-(%! 4G>GA/%!
>(/47%(4D!!!!

!

##k !

(

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%- (32\$-5\$80-1(\$)-1(8)748.37

!'' # \$%&' () *+,\$ - './.0*+\$(12\$, 3- /02430*\$-5\$670\$%- (32\$-5\$ 8 09016*\$

\$

^&

! "#\$%&' (#(. (

(

\$

^D T30&% > 4!' GJ,G>4!&0!, - (!G>\$&%, /3J(!&0!\$(4(% 'G32!('G)(3J(!/4!> /+!*(!3(J(44/%+!,&!
\$%&' (!J%G>G3/A!J&3)7J,!&%!&*, /G3!&%)(%4!&0!\$%&, (J,G&3=!!

!

?D Q%&' G)(4!0&%!07AA!/3)!\$%&>\$,!J&&\$(%/,G&3!0%&>!T34,G,7,G&3!\$(%4&33(A!G3!&*, /G3G32!

(

!'' # \$%&' () *+,\$ - './.0*+\$(12\$, 3-/02430*\$-5\$670\$%- (32\$-5\$ 8 09016*\$

\$

!"#\$%&'(#\$ '(

(

\$

&\$(%/, (4!&#!\$/%, GJG\$/ , (4!G3!KG, -!(4\$(J,!,&!4,7) (3,4!G3!, -(!T34,G,7,G&3R4!S)7J/,G&3!
Q%&2%/>!&#!#J,G'G,+D!
!

;9D Q%&'G) (4!0&#!!/A/J,/,G&3!4\$/J(!0&#!/AA!4,7) (3,45!(>\$A&+((45!/3)! 'G4G,&%45!K-GJ-!>/+!
3&,*(!/!* /, -%&&>5!, -/,!G4!JA(/35!4-G(A)()!0%&>! 'G(K5!0((!&0!G3,%74G&3!0%&>!&, -(%45!
/3)!>/+!*(!74!)!0&#!(M\$\$(44G32!>GAL!&#!*%(/4,0(()G32!/4!3(()()D!!

!

;^D Q%&-G*G,4!%(W7G%G32!/!4,7) (3,!K-&!G4!Q%(23/3,!&#!KG, -!/!1(A/,(!)Y&3)G,G&3!,&!
\$%&'G) (!J(%GOGJ/,G&3!, -/,!, -(!4,7) (3,!G4!\$-+4GJ/AA+!/*A(!,&#!\$/%,GJG\$/ ,(!G3!/!JA/44!
\$%&2%/>5!&#!/J,G'G,+5!73A(44X!

/D E-(!J(%GOG(!)A('A!&0!\$-+4GJ/A!/*GAG,+!&#!- (/A, -!G4!3(J(44/%+!0&#!, -(!JA/44!
\$%&2%/>5!&#!/J,G'G,+=!

*D E-(!JG\$G(3,!%(W7G%(4!47J-!J(%GOGJ/,G&34!&0!/AA!4,7) (3,4!\$/%,GJG\$/ ,G32!G3!
, -(!JA/44!\$%&2%/>5!&#!/J,G'G,+=!/3)!

JD E-(!G30&%>/,G&3!&*,/G3(!), -%&72-!, -(!J(%GOGJ/,G&3!G4!3&!,!74(!)/4!/!*/4G4!
0&#!\$%&-G*G,(!)G4J%G>G3/,G&3D!

!

;?D T3!JG%J7>4,/3J(4!K-(!)G00(%(3,!,%(/,>(3,!&#!4(\$/%/,G&3!&3!, -(!*/4G4!&0!4(M!G4!
\$(%>G,,(!)5!\$%&-G*G,4!)G00(%(3,!,%(/,>(3,!&#!4(\$/%/,G&3!&3!, -(!*/4G4!&0!4(M!G3!/!
>/33(%!, -/,!)G4J%G>G3/, (4!&3!, -(!*/4G4!&0!4(M!*+!47*P(J,G32!/!\$(%4&3!,&!>&%(!, -/3!
)(!>G3G>G4! - /%>5!(MJ(\$,!/4!\$(%>G,,(!)*+!8:!FDHDYD!bb!;e^;!/3)!;e^e!/3)!, - (G!
J&% (4\$&3)G32!(27A/,G&34D !!

!

8:D Q%&'G) (4! G30&%>/,G&3! &3! -&K! G3)G'G)7/A4! \$/%,GJG\$/ ,G32! G3! , -(! T34,G,7,G&3R4!
S)7J/,G&3! Q%&2%/>! &#! #J,G'G,+! J/3! J&3,/J!, -(! T34,G,7,G&3R4! Y&30G) (3,G/A!
S>\$A&+((4!"(MJA7)G32!, -&4(!K-&4(!J&30G) (3,G/A!4,/,74!G4!&3A+! KG, -!(4\$(J,!,&!
G30&%>/,G&3!%(J(G'(!)K-GA(!J&3)7J,G32!/!(4(/J-!4,7)+CD!

!

5& *?>H:!! ?;! *?=E<@HI<A<=D>?=#! S/J-! T34,G,7,G&3! >74,! \$7*AG4-! /!]&,GJ(! &0!
] &3)G4J%G>G3/,G&3!G3!, -(!0&AA&KG32!>/33(%X!

!

%k 7?=>:=>!

S/J-! T34,G,7,G&3! >74,! \$7*AG4-! /! 3&,GJ(! &0! 3&3)G4J%G>G3/,G&3! , -/,! J&3,/G34! , -(!
0&AA&KG32!J&3,(3,X!!

/D #!4,/, (>(3,!, -/,!, -(!T34,G,7,G&3!)&(4!3&!,!)G4J%G>G3/, (!&3!, -(!*/4G4!&0!4(M!
G3!G,4!S)7J/,G&3!Q%&2%/>!&#!#J,G'G,+5!, -(!T34,G,7,G&3!G4!%(W7G(!)*+!EG,A(!
TU!3&!,&!)G4J%G>G3/, (!G3!47J-!/!>/33(%5!/3)!, -(!%(W7G(>(3,!3&!,&!
)G4J%G>G3/, (!M,(3)4!,&!/>G44G&3!/3)!(>\$A&+>(3,=!)

(

\$

D #!4,/,(>(3,!,-/,!G3W7G%G(4!J&3J(%3G32!,-(!/\$\$AGJ/,G&3!&0!EG,A(!TU!>/+!(!
 %(0(%%(!,&!,-(!T34,G,7,G&3R4!EG,A(!TU!Y&&%)G3/,&%!&!,&!,-(!O00GJ(!0&%!YG'GA!
 1G2-,4!&0!,-(!FDHD!N(\$/%,>(3,!,&0!S)7J/,G&35!&%!*&,-=/3)!!
 JD E-(!3/>(!&%!,G,A(5!&00GJ(!/))%(445!(>/GA!/))%(445!/3)!,(A(\$-&3(!37>*(%!
 &0!,-(!(>\$A&+(!&%!(>\$A&+((4!)(4G23/,(!)!/4!,-(!EG,A(!TU!Y&&%)G3/,&%!4CD!!
)D c&K!,&!A&J/,(!,-(!T34,G,7,G&3R4!EG,A(!TU!Q&AGJ+!/3)!2%G(' /3J(!\$%&J()7%(4D!
 (D c&K!,&!%(\$%&!,G30&%>/,G&3!/*&7!,J&3)7J,!,-,!,>/+!J&34,G,7,(!H(M!
 NG4J%G>G3/,G&3D!
 OD c&K!,&!>/L(!/!Y&>\$A/G3,!/ * & 7,!H(M!NG4J%G>G3/,G&3D!

!

Pk 5<@@:A<=D>?!=!?!*?>H:!

E-(!3&GJ(!>74,!*(!KG)(A+!)G4,%G*7,(!),&!/AA!4,7)(3,45!(>\$A&+((45!/\$\$AGJ/3,4!0&%!
 /)>G44G&3!/3)!(>\$A&+>(3,5!/3)!&,-(%!(A('/3,!(%4&34!"G3JA7)G32!/AA!73G&34!&%!
 \$%&0(44G&3/A! &%2/3GZ/,G&34! -&A)G32! J&AA(J,G'(! */%2/G3G32! &%! \$%&0(44G&3/A!
 /2%((>(3,4!KG,-!,-(!T34,G,7,G&3CD!E-(!3&GJ(!>74,!*(!\$%&>G3(3,A+!)G4\$A/+(!)!&3!,-(!
 T34,G,7,G&3R4! K(*4G,(!/3)!G3! \$7*AGJ/,G&34! &0! 2(3(%/A!)G4,%G*7,G&3!,-,!,!\$%&'G)(!
 G30&%>/,G&3!,&!4,7)(3,4!/3)!(>\$A&+((4!/*&7,!,-(!T34,G,7,G&3R4!4(%'GJ(4!/3)!\$AGJG(45!
 G3JA7)G32!(/J-!/3)*&&L5!J/,/A&25!/33&73J(>(3,5!*7AA,(G35!/3)!/\$\$AGJ/,G&3!,-,!,G,
 >/L(4!/'/GA/*A(!,&!\$(%4&34!(3,G,A(!),&!/!3&,G0GJ/,G&3D!!T0!3(J(44/%+!* (J/74(!&0!
 AG>G,/,G&34!G3!,-(!0&%>/,!,&%!4GZ(!&0!/3+!\$7*AGJ/,G&35!T34,G,7,G&34!>/+!47*4,G,7,(!/!
 4-&%,(3(!)4,/,(>(3,!,-,!,!,-(!T34,G,7,G&3!\$%&-G*G,4!)G4J%G>G3/,G&3!&3!,-(!*/4G4!&0!4(M!
 /3)!,-,!,G3)G'G)7/A4!>/+!%(\$%&!,J&3J(%34!&%!W7(4,G&34!,&!,-(!EG,A(!TU!Y&&%)G3/,&%!
 /3)!\$%&'G)(!,-(!A&J/,G&3!&0!,-(!07AA!3&,GJ(!&3!,-(!T34,G,7,G&3R4!K(*4G,(D!T34,G,7,G&34!
 >/+!3&!,)G4,%G*7,(!&%!\$7*AG4-!/3+!4,/,(>(3,!,-,!,!,-(+!,%(/,/\$\$AGJ/3,45!4,7)(3,45!&%!
 (>\$A&+((4!)G00(%(3,A+!&3!,-(!*/4G4!&0!4(M5!(MJ(\$,!/4!\$(%>G,.,(!)*+!EG,A(!TUD!!

!

###k #=@>G>?=>D!, :@B?=@:!:>?#!#=#;?IAD>?=>3 [?G>!- :T!5<@HI<A<=D>?=>!

#3!T34,G,7,G&3!KG,-!L3&KA()2(!&0!J&3)7J,!,-,!,>/+!(/4&3/*A+!J&34,G,7,(!H(M!NG4J%G>G3/,G&3!&%!

(

\$

3& 0 ?=>?I<=J!E- (!EG,A(!TU!Y&&%)G3/,&%!>74,X!

;D I &3G,&%!, - (!S)7J/,G&3!Q%&2%/>!&%!#J,G'G,+!0&%!*%G(%4!,&!%(\$&%,G32!G30&%>/,G&3!
/*&7,!J&3)7J,!, - /,% (/4&3/*A+!> /+!J&34,G,7,(!H(M!NG4J%G>G3/,G&3=!/3)!!

8D E/L(!4,(\$4!%(/4&3/*A+!J/AJ7A/,(!!,&!/)%(44!47J-!*/%G(%4D!

!

9& * ?>;<HD>?!=! , :XG<I:A :=>@&! #AA! T34,G,7,G&3! (>\$A&+((4! >74,! 3&G0+! , - (! EG,A(! TU!
Y&&%)G3/,&%!&%!\$%&'G) (!H,7) (3,4!&%!&, - (%!\$(%4&34!KG, -!, - (!J&3,/J,!G30&%>/,G&3!&0!, - (!
EG,A(!TU!Y&&%)G3/,&%!73) (%!, - (!0&AA&KG32!JG%J7>4,/3J(4X!

!

;D 6I:J=D=HF?!I! , :CD>:E!7?=E<<?=@!_!T0!/!H,7) (3,5!&%!/\$(%4&3!K- &!- /4!, - (!A(2/A!
%G2-,!,&! /J,!&3! *(- /A0! &0! , - (!H,7) (3,5! G30&%>4! /3+! (>\$A&+((!&0!, - (!H,7) (3,R4!
Q%(23/3J+!&%!1 (A/,(!)Y&3)G,G&345!, - (!(>\$A&+((!>74,!\$%&'G) (!,- /,%!\$(%4&3!KG, -!, - (!
EG,A(!TU!Y&&%)G3/,&%R4! J&3,/J,!G30&%>/,G&3! /3)!G30&%>! , - (>!,- /,%! , - (!EG,A(!TU!
Y&&%)G3/,&%!J/3!J&&%)G3/,(!4\$(JG0GJ!/J,G&34!,&!(347%(!W7/A!/JJ(44!/3)!\$%(' (3,G&3!
&0!)G4J%G>G3/,G&3

(

\$

7& !!, :@B?=@:!:>?!*?><;<HD><?=D!F\$&3!%(J(G'G32!0%&>!/3!(>\$A&+((!3&,G0GJ/,G&3!&0!J&3)7J,! , -/,! >/+! %(/4&3/*A+! J&34,G,7,(! H(M! NG4J%G>G3/,G&3! &%! 1(/AG/,G&35! ,-(! EG,A(! TU! Y&&%)G3/,&%!>74,X!!

(

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

\$

/3+!&,-(%!>(/34!,-/,!%(47A,4!G3!,-(!EG,A(!TU!Y&&%)G3/,&%!(J(G'G32!,-(!\$(%4&3R4!
'(%*/A!&%!K%G,,(3!\$(%&,D!!!

8D H7J-!/!(%\$&%,!>/+!*(!>/)(!,!/3+!,G>(!"G3JA7)G32!)7%G32!3&3*74G3(44!-&7%4C!*+!
74G32!,-(!,(A(\$-&3(37>*(!&%!((>/GA!/))%(44!&%!*+!>/GA!,&!,-(!&00GJ(!/))%(44!AG4,(!
0&%!,-(!EG,A(!TU!Y&&%)G3/,&%D!!

!

O !+XG<D[C:!.I:D>A:=>!Y&>\$A/G3/3,4!/3)!1(4\$&3)(3,4!KGA!*(!,%(/,()!(W7G,/*A+!*+X!!

;D Q%&'G)G32!%(>())G(4!,&!/!Y&>\$A/G3/3,!K-(%(!/!)(),(%>G3/,G&3!&0!(4\$&34G*GAG,+!0&%!
H(M!NG4J%G>G3/,G&3!&%!1(,/AG/,G&3!-/4!*((3!>/)(!/2/G34,!,-(!1(4\$&3)(3,5!/3)!*+!
74G32!\$%&J()7%(4!,-/,!J&>\$A+!KG,-!EG,A(!TU!K-(3!G3'(4,G2/,G32!/3)!/P7)GJ/,G32!
/AA(2/,G&34!&0!H(M!NG4J%G>G3/,G&3!&%!1(,/AG/,G&3!* (0&%(!,-(!G>\$&4G,G&3!&0!/3+!
4/3J,G&34!&%!&,-(%!/J,G&34!,-/,!/%(!3&!,H7\$\$&%G'(!I(/47%(4!/2/G34,!/1(4\$&3)(3,
"(>())G(4!>74,!*(!)(4G23(!!,&!%(4,&%(!&%!\$(4(%'(!W7/A!/JJ(44!,&!,-(!T34,G,7,G&3R4!
S)7J/,G&3!Q%&2%/>!&%!#J,G'G,+C=!!!

8D Q%&'G)G32!/3!(W7/A!&\$\$&%,73G,+!0&%!,-(!\$/%,G(4!,&!\$(4(3,!KG,3(44(45!G3JA7)G32!0/J,!
/3)!(M\$(%,!KG,3(44(45!/3)!&,-(%!G3J7A\$/,&%+!/3)!(MJ7A\$/,&%+!(('G)(3J(=/3)!!

BD #\$\$A+G32!/3!0Y-JC!

(

\$

;D E-(!G3'(4,G2/,G&3! /3)! /)P7)GJ/,G&3! \$%&J(445! G3JA7)G32! /3+! G30&%> /A! \$%&J(44! /' /GA/*A(=!!

8D E-(!AA(2/,G&345!G3JA7)G32!4700GJG(3,!)(,/GA4!L3&K3!/,!,-(!G>(1/3)!KG,-!4700GJG(3,! ,G>(!,&!\$%(\$/%(!/%(4\$&34(!*(0&%(!/3+!G3G,G/AG3,(% 'G(KD!fH700GJG(3,!)(,/GA4g!G3JA7) (! ,-(!G)(3,G,G(4!&0!,-(!\$/%,G(4!G3'&A'!)!G3!,-(!G3JG)(3,5!G0!L3&K35!,-(!J&3)7J,! /AA(2()A+!J&34,G,7,G32!H(M!NG4J%G>G3/,G&35! /3)!,-(!)/,(4! /3)!A&J/,G&34!&0!,-(! /AA(2()!G3JG)(3,45!G0!L3&K3=!!

BD E-/,!%(,/AG/,G&3!G4!\$%&-G*G,(=!!

<D E-/,!,-(!\$/%,G(4!/%(! (3,G,A()!,&! /3!(W7/A!&\$\$&%,73G,+!,&! /JJ(44!,-(!1(A(' /3,1/3)! 3&!,&,-(!KG4(!T>\$(%>G44G*A(!S'G)(3J(!&%! /3! /JJ7%/,(!)(4J%G\$,G&3!&0!('G)(3J(DD! !

, & 5<@A<@@DC!?!;7?ABCD<=>@k!!

!

;D #3!T34,G,7,G&3!> /+!)G4>G44!/Y&>\$A/G3,!0&%! /3+!&0!,-(!0&AA&KG32!%(/4&34!!

/D E-(!T34,G,7,G&3!G4!73/*A(!, &!G)(3,G0+!,-(!1(4\$&3)(3,! /0,(%!, /LG32! %(/4&3/*A(!4,(\$4!,&!)&!4&=!

D E-(!1(4\$&3)(3,!G4!3&!, \$/%,GJG\$/G32!G3!,-(!S)7J/,G&3!Q%&2% />!&%! #J,G'G,+!&%!G4!3&!,!(>\$A&+(!)+!,-(!T34,G,7,G&3=!!

JD E-(!Y&>\$A/G3/3,! ' &A73,/%GA+!KG,-)%/K4! /3+!&%! /AA!&0!,-(!/AA(2/,G&34!G3! ,-(!Y&>\$A/G3,5!,-(!EG,A(ITU!Y&&%)G3/,&%!)(JAG3(4!,&!G3G,G/,(!/!Y&>\$A/G3,! &3!*(- /A0!&0!,-(!T34,G,7,G&35! /3)!,-(!T34,G,7,G&3!)(,%>G3(4!,- /,!KG,-&7,! ,-(!Y&>\$A/G3/3,R4!KG,-)%/K3! /AA(2/,G&34! /3+!J&3)7J,!,- /,!(> /G34! K&7A)!3&!,J&34,G,7,(!H(M!NG4J%G>G3/,G&35!G0!\$%&'(3=!!

)D E-(!T34,G,7,G&3!)(,%>G3(4!,- /,!,-(!J&3)7J,!/AA(2()5!G0!\$%&'(35!K&7A)!3&!, J&34,G,7,(!H(M!NG4J%G>G3/,G&35! /0,(%!, /LG32!%(/4&3/*A(!4,(\$4!,&!JA/%G0+! ,-(!/AA(2/,G&34!KG,-!,-(!Y&>\$A/G3/3,D!!

8D F\$&3!)G4>G44/A5! /3!T34,G,7,G&3!>74,!\$%&>\$,A+!3&,G0+!,-(!Y&>\$A/G3/3,!&0!,-(!*/4G4! &0!,-(!)G4>G44/A! /3)!,-(!&\$\$&%,73G,+!,&! /\$\$(/AD!!

BD F\$&3!)G4>G44/A5!G0!,-(!)G4>G44/A!&JJ7%4! /0,(%!,-(!1(4\$&3)(3,!- /4!*((3!3&,G0G()!&0! ,-(!/AA(2/,G&345! /3!T34,G,7,G&3!>74,!\$%&>\$,A+!3&,G0+!,-(!1(4\$&3)(3,!&0!,-(!*/4G4! &0!,-(!)G4>G44/A! /3)!,-(!&\$\$&%,73G,+!,&! /\$\$(/AD!

<D E-(!0&AA&KG32!/%(!\$(%>G,,()!* /4(4!0&%! /\$\$(/AX!

/D Q%&J()7%/A!G%%(27A/%G,+!, - /,!K&7A)!J- /32(!,-(!&7,J&> (=!

*D](K!('G)(3J(!,- /,!,K&7A)!J- /32(!,-(!&7,J&>(!,- /,!,K/4!3&!,%(/4&3/*A+!

(

\$

@D T0!/!)G4>G44/A!G4!/\$\$(/A()5!,-(!T34,G,7,G&3!>74,X!
 /D]&,G0+!,-(!\$/%,G(45!G3JA7)G32!\$%&'G)G32!3&,GJ(!&0!,-(!//AA(2/,G&34!,&!,-(!
 1(4\$&3)(3,!G0!3&,\$\$('G&74A+!3&,G0G()=!
 *D T>\$A(>3,!/\$\$(/A!\$%&J()7%(4!(W7//AA+!0&%,-(!\$/%,G(4=!
 JD S347%(!,-/!,-(!/\$\$(/A!)(JG4G&3[>/L(%!-/4!(J(G' ()!%,/G3G32!/3!)G)!3&!,
 \$/%,GJG\$/,(!G3!,-(!G3' (4,G2/,G&3!&%)G4>G44/A=!!
)D Q%&'G) (!, -(!\$/%,G(4! /! % (/4&3/*A(! /3)! (W7/A! &\$%&,73G,+!,&! >/L(! /!
 4,/,(>3,!G3!47\$%&%,!&0!&J-//AA(32G32!,-(!&7,J&> (= /3)!
 (D]&,G0+!,-(!\$/%,G(4!&0!,-(!(47A,!&0!,-(!/\$\$(/A!/3)!,-(!* /4G4!0&%,-(!(47A,D!!
 eD F\$&3!)G4>G44/A5!,-(!EG,A(!TU!Y&&%)G3/,&%!>74,!&00(%!H7\$%&,G' (! I (/47%(4!,&!,-(!
 Y&>\$A/G3/3,!&%! 1(4\$&3)(3,5!/4!/\$%&\$%G/, (D!!
 7. F\$&3!)G4>G44/A5!,-(!EG,A(!TU!Y&&%)G3/,&%!>74,!,/L(!/\$%&\$%G/,(!/3)!\$%&>\$,!4,(\$4!
 ,&!(347%(!,-/!,!H(M!NG4J%G>G3/,G&3!)&(4!3&,!J&3,G37(!&%!(J7%!

!

-& 7?=@?C<ED>?=?;! 7?ABCD<=>@&! #3! T34,G,7,G&3! >/+! J&34&AG)/,(! Y&>\$A/G3,4! &0! H(M!
 NG4J%G>G3/,G&3!/2/G34,!>&%(!,-/3!&3(! 1(4\$&3)(3,5!&%!*+!>&%(!,-/3!&3(! Y&>\$A/G3/3,
 /2/G34,!&3(!&%!>&%(! 1(4\$&3)(3,45!&%!*+!&3(!\$/%,+!/2/G34,!,-(!&,-(%!\$/%,+5!K-((!,-(!
 //AA(2/,G&34!&0!H(M!NG4J%G>G3/,G&3!/G4(!&7,!&0!,-(!4/>(10/J,4!&%!JG%J7>4,/3J(4D!!!

!

.& #=K:@>JD>?=?;! 7?ABCD<=>@! ` -(3! G3' (4,G2/,G32! /! Y&>\$A/G3,! /3)!,-%&72-&7,!,-(!
 G3' (4,G2/,G&3!/3)!/)P7)GJ/,G&3!\$%&J(445!,-(!T34,G,7,G&3!>74,X!!
 ;D S347%(!,-/!,-(!*7%)(3!G4!&3!,-(!T34,G,7,G&3 \ 3&,!&3!,-(!\$/%,G(4 \ ,&!J&3)7J,!/3!
 G3' (4,G2/,G&3! ,-/!,! 2/,-(%4! 4700GJG(3,! ('G)(3J(! ,&!) (,(>G3(! K-(,-(%! H(M!
 NG4J%G>G3/,G&3!&%! 1(,/AG/,G&3!&JJ7% ()=!
 8D Q%&'G) (!/3!(W7/A!&\$%&,73G,+!0&%,-(!\$/%,G(4!,&!\$%(4(3,!KG,3(44(45!G3JA7)G32!0/J,
 /3)!(M\$(%,!KG,3(44(45!/3)!&,-(%!G3J7A\$/,&%+!/3)!(MJ7A\$/,&%+!('G)(3J(=!
 BD 1('G(K! /AA! ('G)(3J(! 2/,-(%!)!,-%&72-!5(,)0.26.1(>)0.604.5003-06.5003-0!%,>5(&3!&J)0.2

(

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%- (32\$-5\$809016*\$

\$

>/L(!/!0/J,[4\$(JGOGJ!)(,(>G3/,G&3!/4!,&!K-(-(%!,-(!%(W7G%(>(3,4!&0!,-G4!4(J,G&3!
/\$\$A+! G3! ,-(! G3)G'G)7/A! JG%J7>4,/3J(4D! E-(! T34,G,7,G&3! 4-&7A)! 4\$(JGOGJ/AA+!
J&34G)(%5!/!,/!>G3G>7>5!K-(-(%!,-(!\$/%,G(4R!\$%G>/%+!(A/,G&34-G\$!G4!(>\$A&+>(3,
&%! ()7J/,G&3! /3)! K-(-(%! ,-(! /AA(2!)! J&3)7J,! &JJ7%(!) K-GA(! ,-(! 4,7)(3,[
(>\$A&+((!K/4!\$(%0&%>G32!(>\$A&+>(3,[%(A/,(!)K&%LD!!

!

8D

(

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%- (32\$-5\$809016*\$

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%- (32\$-5\$809016*\$

\$

!''#\$\$%&'()*+,\$-'.0*+\$(12\$,3-/02430*\$-5\$670\$%- (32\$-5\$809016*\$

\$

D #!4,7)(3,!>/+!&,/G3!0%&>! I cSY5!,-%&72-! I cSYR4!K(*4G,(5!/!AG4,!&0!
AGJ(34(! /,,%&3(+4! K-&! -/' (!G3)GJ/,(!)!, -/,!, - (+! KGAA! %(\$%4(3,!47J-!
4,7)(3,4!G3!EG,A(!TU!\$%&J((G324!&3!/!\$%&!*&3&!*/4G4!&%!0&%!%)7J(!)A(2/A!
0((4=!/3)!!

JD #!4,7)(3,R4!/.,,%&3(+!>/+!4((L!(G>*7%4(>(3,!&0!J(%,/G3!A(2/A!J&4,4!/3)!
0((4!0%&>! I cSYR4!a(2/A!1 (\$%4(3,/,G&3!V73)!0&%!EG,A(!TU!\$%&J((G3245!

(

\$

+& , :H?IEZ::B<=J!;!I!- :T!5<@HI<A<=D><?=!7?ABCD<=>@!D=E!*?><HD>?=@!!

S/J-!T34,G,7,G&3!>74,!>/G3,/G3!0&%!4(' (3!+(/%4!(J&%)4!&OX!!

;D S/J-! Y&>\$A/G3,! &0! H(M! NG4J%G>G3/,G&35! %(J&%)4!)&J7>(3,G32! ,-(! G30&%>/A!
%(4&A7,G&3!\$%&J(44!&%!2%G(' /3J(!\$%&J()7%(5!/3)!,-(!%(47A,G32!&7,J&>(0!

8D V&%! (/J-! 3&,G0GJ/,G&3! ,-(! EG,A(! TU! Y&&%)G3/,&%! %(J(G' (4! &0! G30&%>/,G&3! /*&7,!
J&3)7J,!, - /,!(/4&3/*A+!> /+!J&34,G,7,(!H(M!NG4J%G>G3/,G&35!(J&%)4!)&J7>(3,G32!
/3+!/J,G&3!,/L(3D!

BD #AA!>/,(%G/A4!74(!)0&%!EG,A(!TU!,%/G3G32!&0!4,7)(3,4!&%!(>\$A&+((4D!

!

E-G4!Q&AGJ+!4-&7A)!*(!J%&44[% (0(%(3J(!)KG,-!FH I!. O1! i T[;D@: !Q&AGJ+!&3!,-(!1 (\$&%,G32!&0!Y-GA)!
#*74(!/3)!] (2A(J,D!

(