

Jon Cogb n

!!
"#\$%&'()*+,-. '!! ! ! ! / 0 1 ! 2 - 3 4 5 6 7 - 8 9 ! \$ 9 ! : ; < * \$ + \$ 3 ; = ! 4 8 ! . ! > - * % < \$ ' + ! 0 6 ' . < - + ! ! !
!! ! ! ! ! ! ! ! ! (? @ ! A \$ 4 6 - + ! B 4 * * !
! ! ! ! ! ! ! ! ! C 4 6 \$ 2 4 0 0 ' j o C E , ! : ; < * \$ + \$ 3 ; = ! I ; - ! 1 8 < K - 5 + < 6 = ! \$ 9 ! I - N 4 + ! 4 6 ! E ' + 6 < 8 ! L ' 8 - ! (M M H

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+ , - . * (/ * 0 1 - \$ ' % 2 ' 3 % & ' () *

O - 6 4 3 ; = + < # + !

+ , - . * (/ * 4 (5 1 - & -) \$ - *

* * * * *
A \$ 8 6 < 8 - 8 6 4 * ! : ; < * \$ + \$ 3 ; = ! P 3 < + 6 - 7 \$ * \$ % = ! / \$ % < # ! : ; < * \$ + \$ 3 ; = ! \$ 9 ! E 5 6 ! : ; < * \$ + \$ 3 ; = ! \$ 9 ! / 4 8 % ' 4 % - ! : ; < * \$ + \$ 3 ; = ! \$ 9 ! O < 8 . !

+ \$ % ' - 5 ' \$ * + 1 1 (') & 5 -) & . **

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Q ' * * ! : 5 \$ 9 - + + \$ 5 ! / \$ ' < + 4 8 4 ! 0 6 4 6 - ! 1 8 < K - 5 + < 6 = ! R @ ? @ ? S T !
E + + \$ # 4 6 - ! : 5 \$ 9 - + + \$ 5 ! / \$ ' < + 4 8 4 ! 0 6 4 6 - ! 1 8 < K - 5 + < 6 = ! R @ ? ? F S @ ? @ ? T !
E + + < + 6 4 8 6 ! : 5 \$ 9 - + + \$ 5 ! / \$ ' < + 4 8 4 ! 0 6 4 6 - ! 1 8 < K - 5 + < 6 = ! R @ ? ? (S @ ? ? U T !
V 8 + 6 5 ' # 6 \$ 5 ! / \$ ' < + 4 8 4 ! 0 6 4 6 - ! 1 8 < K - 5 + < 6 = ! R (M M M S @ ? ? ? T !
/ - # 6 ' 5 - 5 X 5 4 . ' 4 6 - ! I - 4 # ; < 8 % ! E + + < + 6 4 8 6 ! J ; < \$! 0 6 4 6 - ! 1 8 < K - 5 + < 6 = ! R (M M U S (M M M T !
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A J S E 1 I B J > P 2 ! C J J \ !

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#\$%&'()*!

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I5<+648!X45#<4`+!B)++%&='C)D'>,2<6)'EE.'F)'7<#-)2G)-.'/O)'4,2%+%'\$-',3'H-,!I548+*46-.!&=!A,!>4=E*-N48.-5D!E,!>4=E*-N48.-5D!48.!!L,!A\$%&'58,!@?@(!P.<8&'5%;!18<K-5+<6=!:5-++,!

I5<+648!X45#<4`+!B)++%&='C)D'>,2<6)'E.'/O)'B%3)'E&+)&-),!I548+*46-.!&=!E,!>4=E*-N48.-5D!A,!>4=E*-N48.-5D!48.!!L,!A\$%&'58,!@?(G,!P.<8&'5%;!18<K-5+<6=!:5-++,!

I5<+648!X45#<4`+!

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#\$%&'(!

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G! ! L,!A\$%&'58!48.!O,!0<*\$N!aA\$73'6<8%!O4#;<8-5=148.!P7-5%-8#-Db!(%&*-'&*("\$0%&)-D!(g,(!R@??gTD!33,!FHSGM,!!
!
F! L,!A\$%&'58D!aI; -!/\$%<#!\$9!/\$%<#4!>-K<+<\$8c!Q\$574*k<8%12'77-66+!E5%'7-86Db!/O)'A<-+"2"-%"&'P,<#&'2',3'40%2,-,:O;!GH,(!R@??gTD!33,(gSH@,!
!
U! L,!A\$%&'58D!aI\$8<8%!4!I;-\$5=!\$9!A\$86-86c!E8!V89-5-86<4*<+6!>-"\$<8.-5Db!B,=%\$'"&*'B,=%\$'"2'40%2,-,:O;!H!(H!R@??gTD!33,!H(SHU,!
!
g! L,!A\$%&'58D!a:454.\$N!/\$+6Db!K"&""*""&'P,<#&'2',3'40%2,-,:O;!HY,@!R@??YTD!33,(MgS@(U,!
!
Y!! L,!A\$%&'58D!aO48<9-+6!V8K4*<. <6=c! [-<!*I-88486+! [-d!E5%'7-86!9\$5!V86'<6<\$8<+7Db!L;&+O)-)D!(HY,H!R@??HTD!33,!HgHSHU@,!
!
H!! L,!A\$%&'58D!a/\$%<#4!>-K<+<\$8!>-\$5-K<+<6-.c!I; -!15% ;6!O4*-58\$!E5%'7-86!9\$5!V86'<6<\$8<+7Db!40%2,-,:O%\$'"2'L+<*)-D!U?,(!R@???TD!33,!gS(@,!
!
@!!! L,!A\$%&'58D!a2-#\$8+65'#6<8%12'77-66+!E86<\$>-4*<+7c!E! [-d!E5%'7-86!E%4<8+6!A;'5#;'!I; -+<+Db!/O)'B,=%\$'"Q)"#8,,J!R@??@TD!33,!gFSUG,!
!
(>,!A\$\$_148.!L,!A\$%&'58D!a1;46! [-%46<\$8!<+! [\$6c!V86'<6<\$8<+7!48.lm?n(`Db!A&'2;-%-D!U?,(!R@???TD!33,!gS(@,!
!
ABE: IP>O!V [!P00E] !AJ // PAIVJ [0!
!
F!

+!
#\$%&'()!

!

H! : , / <K<8%+6\$8!48 . !L, !A\$%& '58D!aP . <6\$5`+!V865\$. '#6<\$8Db!\$9! /O) 'M)R' () + " : O ; - % \$ - . 'A& "2 ; + % \$ YK , & + % &) & + "2'
K# , -- , G) # - ! + 3 - # <4*! < + + ' - ! \$ 9 ! 7 :) & '40%2 , - , : O ; ! (, g!R@? (GT,!

!

@! E, !>4=E*-N48 . -5D!A, !>4=E*-N48 . -5D!a I548+*46\$5`+!V865\$. '#6<\$8Db!<8! I5<+648!X45#<4`+!B)++%&='C)D'> , 2<6) 'E.'
/O) 'B%3) 'E&+) & -)D!P . <8& '5% ; ! 1 8<K-5+<6=!: 5-++D!R@? (GT,!!

!

(! O45_! J ; 7!48 . !L\$8!A\$%& '58D!a I548+*46\$5`+!V865\$. '#6<\$8Db!<8! I5<+648!X45#<4`+!5 , #6 "' & *'789) \$:D!P . <8& '5% ; !
1 8<K-5+<6=!: 5-++!R@? (YT,!

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C J J \ !>P f V P 1 0!

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U! > -K< - d!\$9!B-5748!A433 - * <8`+!5%\$%&='B" & =< " =)D' A & ' I -- " ; , & 'K , & \$) : + < "2' I & = % &)) # % & =D!<8!M , + #) ' I "6)'

! , !
\$ % & ' () !

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@U! L,!A\$%&'58D!>-+3\$8.-5!6\$!O\$;47 74.!B4.<!Q\$'5\$'k-+;! [<4'+!aI\$d45.+!48.!J&"-#!J5<-86-.!: +=#;\$*\$%#=#b!
\$5%48<k-.!&=#P5948!X;<4k<9\$5!6;-!I-;548!; ;<\$+\$3;=#48.!E56!X5\$'3D!L'8-D!@?@,!
!
@g! L,!A\$%&'58D!aC-R<8%T!B-5-! [\$dcl [\$6-+!I\$d45.+!48.!V8.-N#4*+6!P3<+6-7 \$*\$%#=#b! I *%&8<#=#O'H&G)#-#;'
4#)-\ '8.-N#4*+7 'C, ,J'L; 6: ,-%<6D!O-36-7 &-5D!@?(c!
;663+c!W d d d,=\$'6'&-,#\$7W d46#;jKnQuCY4L 1 ;5v t *+6n: /90LG%\$
OvfV7 ugP7 @6kBLJL%g7kAOuO% @ t <8.-Nn@!R+6456<8%!#<5#4!(cg?T,!
!
@Y! L,!A\$%&'58D!48.!: ,!\ -**-=D!aE846748!\$8!2-748.c!V73*#46<\$8+\$9!6;-!O4++!EK4*4&<*6=#9!O-*9*-++!
PN3-5<-8#-+9\$5! : +=#;\$*\$%#=#48.!6;-!; <\$+\$3;=#9!O<8.Db! : +=#;- .-*#!O\$#<-6=#9! [-d!J5*-48+D!3456!\$9!6;-!
O '*6<.<+3*845=#E++\$#46<\$8!9\$5! : +=#;- .-*#!O6' .<-+D!L48'45=D!@?(M,!
!
@H! L,!B-**-5!48.!L,!A\$%&'58D!aO-<*4++\$'N'+!A<5#*-Db!@?(Y!O\$#<-6=#9\$5! : ; -8\$7-8\$*\$%#=#48.!PN<+6-86<4*!
: ; <\$+\$3;=#\$8K-86<\$8D! [-d!J5*-48+,!
!
@! X,!C\$'8.+!48.!L,!A\$%&'58D!aE*)&+%+J+-:O%2,-,:O%)!48.!6;-!-!O-8+<&<*6=#6;46!18.-5+648.+Db!O\$#<-6=#9\$5!
X-5748!V.-4*+7!%5\$'3!+-+<\$8D! : 4#9<#!2<K<+<\$8D!E7-5<#48!; ; <\$+\$3; <#4*!E++\$#46<\$8,!E35<*(US@?D!@?(Y,!
048!2<-%D!AE,!
!
@(! L,!A\$%&'58!48.!O,!J ; 7D!a [46'54*! [45546<K-+!48.!18846'54*!>-4.-5+Db!@?(Y!V86-5846<\$84*!A\$89-5-8#-!9\$5!
6;-!O6' .=#9! [45546<K-D!A47 &5<.%-D!O4++,!
!
@?! L,!A\$%&'58!48.!L,!B-**-5D!aI ; -!C-454&*-!V8#\$8+<+6-8#=#9!C-<8%w!C4.<\$'!C-=#8.!6;-! /<7<6+!\$9!I ; \$' % ; 6Db!
: <66+&'5% ; !O'77-5!O=73\$+<'7!<8!A\$86-73\$545=#! ; <\$+\$3;=#D!@?(H,! : <66+&'5% ; D! : E,!
!
(M! [,!B-&-56!48.!L,!A\$%&'58D!aaV6'+!O6<***!>-4*!6\$!O-D!2477<6xb!O'+3-8+<\$8!\$9!2<+&-*<9!48.!: -59\$57-.!
J86\$*\$%#<-+!<8! : 5\$9-++<\$84*! 15-+6*8%Db!@?(H!E7-5<#48!O\$#<-6=#9\$5!I ; -465-!>-+45#;!A\$89-5-8#-!1 \$5_<8*!
X5\$'3!aC-=#8.!6;-!I'58c! : -59\$5748#-!; ; <\$+\$3;=#! [\$d!b!24**4+,!
!
(G! X,!C\$'8.+!48.!L,!A\$%&'58D!aE*)&+%+J+-:O%2,-,:O%)'48.!6;-!-!O-8+<&<*6=#6;46!18.-5+648.+Db! : <66+&'5% ; !
O'77-5!O=73\$+<'7!<8!A\$86-73\$545=#! ; <\$+\$3;=#c!O#; -**<8%148.!M'+<#;O%2,-,:O%)!E'%'+6!HSM!
@?(H,! : <66+&'5% ; D! : E,!
!
(F!

-!
#\$%&'(!

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ABEV>P2!0P00VJ [0!!

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H! A;4<5- .!+-+<\$8!\$8!X5\$ '8.<8%!48.!O\$8<+ 7!46!6; -!@?(Y!A-8654*!2<K<+<\$8!7 --6<8%!\$9!6; -!E 7 -5<#48!
: ;<*\$+\$3; <#4*!E++\$#<46<\$8!A; <#4%\$,!

!

@! A;4<5- .!+-+<\$8!\$8!h '-86<8!O-<*4++\$ 'N!46!6; -!@?(H!O\$#<-6=!9\$5! : ; -8\$ 7 -8\$*\$%=!48.!PN<+6-86<4*! : ; <*\$+\$3; =!
7 --6<8%!P '%-8-!J >,!

!

(! A;4<5- .!+-+<\$8!\$8!>-6'58!\$9! O-643; =+<#+!<8!A\$86<8-864*! : ; <*\$+\$3; =!46!@?(@!O\$#<-6=!9\$5! : ; -8\$ 7 -8\$*\$%=!
48.!PN<+6-86<4*! : ; <*\$+\$3; =! 7 --6<8%!>\$#; -+6-5! [] ,!

!

@-!\$:')A*B'.&(,C* * *

! * * * * * * * * *

Q>P0BOE [!/P f P/!

!

V865\$. '#6<\$8!6\$! : ; <*\$+\$3; =!RQ4**!(MMD!O35<8%!@???!Q4**!@???!O35<8%!@?(HT,!

!

B\$8\$5+!V865\$. '#6<\$8!6\$! : ; <*\$+\$3; =!R035<8%!@???(D!Q4**!@???(D!O35<8%!@???!Q4**!@???!O35<8%!@???!HD!Q4**!
@???!HD!O35<8%!@???!Q4**!@???!gD!O35<8%!@???!UD!Q4**!@???!UD!Q4**!@???!MD!O35<8%!@???(?D!O35<8%!@???(MD!O35<8%!@???!T,!

!

V865\$. '#6<\$8!6\$!/\$%<#!RO' 7 7 -5!@??HT,!

!/ #\$\$&'(!

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: ; < * \$ + \$ 3 ; = ! \$ 9 ! E 5 6

0!
\$ % & ' () !

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2P:E>IOP [I!JQQVAP0!!

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: ;<*\$+\$3;=!0-#6<\$8!B-4.D!E#4.-7<#!]-45!@?@?S@?@(!,Q4**!@?(?SO'77-5D!@?(@,!!

!

2<5-#6\$5!\$9!X54.'46-!06'.<-+D!Q4**!@?(USO35<8%!@?@?!,

!

2<5-#6\$5!\$9!18.-5%54.'46-!06'.<-+!,@??@S@??YD!@??MS@?(?!,

!

ABEV>P2!2P:E>IOP [I!AJOOVIIPPO!

!

A;4<5D!2-&\$54;!X\$%.%4&-5^+!6-8'5-!#\$77<66--D!@?@?!,

!

A;4<5D!L47-+!>\$#;4^+!6-8'5-!#\$77<66--D!@?(H,!

!

A;4<5!L-995-!>\$*48.`+!6-8'5-!#\$77<66--D!@?((,!)

!

AS\$#;4<5D!"*0,\$!#\$77<66--!6\$!#\$7345-!6;-!/01!2-34567-86!\$9!;:<*\$+\$3;=!d<6;!3--5!<8+6<6'6<\$8+d!@??Y,!

!

A;4<5D!"*0,\$!#\$77<66--!6\$d5<6-!# '55<# '* '7!+-#6<\$8!\$9!.-34567-864*!35\$%547!5-K<-dD!@??S@??(

!

OPOCP>0BV: !V [!2P:E>IOP [I!AJOOVIIPPO!

!

: ;<*\$+\$3;=!2-34567-86!X54.'46-!A\$77<66--!!B-*3-.!#5496!48.!<73*-7-86!+6546-%<-+!6\$!<8#5-4+-!O,E,!

-85\$**7-86!48.!<735\$K-!35\$%547D!@??gS!@??FD!@??MS@?(@D!@?(YS35-+-86,!!!

!

/<+6+-5K!\$d8-5!9\$5!/01!2-34567-86!\$9!;:<*\$+\$3;=!48.!>-*<%<\$'+!06'.<-+D!@??S35-+-86,!

!

2-34567-86!2-K-*\$37-86!A\$77<66--D!Q4**!@?(gSQ4**!@?(U,!

!

18.-5%54.'46-!A\$77<66--D!d<6;!+3-#<4*!3\$569\$*!#\$8#-58<8!E++-+7-86D!Q4**!@?(@S@?(g,!

!

JIBP>!2P:E>IOP [I!OP>fVAP!

!

1-&74+6-5!9\$5!/01!2-34567-86!\$9!;:<*\$+\$3;=!R;663cW d d d,456+#+',-.'W3;<*W3;<*(W: B\$7-,;67*TD!@??(S@??F,!

!

AS\$+6486!94# '*6=!7-7&-5!<8!<86-57<66-86!;:<*\$+\$3;=!>-4.<8!%5\$'3,!A<5#4!@??S@??g!i!A\$86<8-864*!;:<*\$+\$3;=!\$9!O<8.,!@?(g!i!B-%-^+!40)&,6)&,2,=;,'3L:%##+,!@?(U!i!A48%'<*<-<7^+!/O)M,#6"2'"&*4

"2!
#%&'(!

!

! /01!Q4# '*6=!0-846\$5!RE56+!48.!0#<-8#-!O-7&-5!46!/45%-T!@??@S@??g,!0-5K-.!\$8!#\$77<66--!9\$5!4.7<8<+6546<\$8,!
! 1-&74+6-5D!/01!A\$%8<6K-!0#<-8#-!X5\$'3!R;663cwwd d d,456+<,*+',-.'W#\$%+#<8.-N,;67*TD!@??(\$@??g,!!
! AJ//PXP!OP> fVAP!!
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#\$\$&'(!

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