

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

!"#\$%&'(#)!\*+!, -# (./&0!2\*/'\*)!, \*33#4#!  
, -#/'A'B.33!CD!E=?8:!  
H#I7!-'\$7JJ6%\$&.6\*&)KI6K#LAJ3/OJ\$AI3.6M-' (3J!

5++.6#7!89:;<<=>><?@!  
F%G7!89:;<<=>=:E<!  
N; (%.37!/-.-0A%)K3.AOI6K#LA!

!'#\$%&'()\*%)"\*+,%'')-\*

9PP<Q9PP:! R.#))%!S).T#&/.!0!\*+!U#6-)\*3\*40!9 !" .S3\* (%!.)! , -# (./&0!V2KWK!#XA.T%3#)'!  
9PP>Y!

9PP:Q9PP>! S).T#&/.!0!\*+!Z\*%'!-, %&\*3.)%!, -%\$#3!B.33K!S)L#&4&%LA%'#!NG6-%)4#!W'AL#)'!  
! A)L#&'!-#!UDWWN[![&\*4&% (!V, -# (./&OY!

9PP>Q=EE@!

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

[%4#!=)

!

=EEP! 1\*6%3!,\*;\*4%).d#&!eBOL&\*4#)!`\*%L!U\*A&!mEPg!NA4#)#!W'\*\$!  
=EE>Q=E9@! D6%L# (.6!DLT./\*%!%)L!1#%L!,\*)%6!'!%S).T#&/.!O!\*+!5 &#4\*)!U&%)!D'3%)'.6!!  
!! W6.#)6#!W'AL#)!NG6-%)4#![&\*4&% (!VUDWWN[Y!  
\*

5 6%, '1\*

!

=E9E! ZWF!, %&##&!Db%&L!VL#63.)#L!LA#!'!\*T#&3%\$!b.'-!Z\B!+A)L.)4Y!  
=E9=! c\*A&)%3!\*+![-0/.6%3!5&4%).6!, -# (.!&O!Db%&L!+\*&N%&30!NG6#33#)6#  
=E9=! , % (.33#!" &#0+A!/!U#%6-#&;W6-\*3%&!Db%&L!  
=E9?! D, W!5&4%)\* (#%33.6/!n\*A)4!\)T#/' .4% '\*&!F#33\* b

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

[%4#@]

}

.#:2'\$%&'()1\*\*

)

, &+3(4%-%(4%(.+5)26\*.78+

V !L#)\*#!/A)L#&4&%LA%#!6\*%A' - \*&Y!

!

PPK!1.)!Bko!n%)4!hko!l.A!WK;nK!cpk3#!FK!e`..)4!5\$#).)4!C#%' - #/./! [\*30 (#&.d%'.\*)!V`5C [Y!

\*+!' - #!' #b%&!/\\* (#&!\*+!9!|=;Dd%I\*&.)#1!%!2;Z!(/\*'/#&#!\*+!2#)d#)#g!, ! ' & 45)6(&

7#1!%&/0/1!89!|=9;=:K!" 5\7!9EK9E=9J%6/(%6&\*3#'K@6EE8E9K!

P>K!N%\*)!!Cko!q-%)4!nko!l.A!WK;nK!r2\*&%%'%3k#)#/!)L!' - #!#%;=;2!,!,\*\*&L.)%'.\*)!C\*L#!.)!

,\*\*&L.)%'.\*)!, -#(./'&O!)L!,% '%30/./r!' "#\$%&'( )%&\*#+%&/0/1! :9!9P9<;9P@<K!" 5\7!

9EK9E@PJ" @ , WEE: @EBK!

P:K!N%\*)!!Cko!"%!.!nko!H%)4!qko!l.!2ko!l% (.)#!Hko!C.XA#A!sKo!l.A!WK;nK!rWO)' - #/./!\*+!

D33#)#/!IO!BOL&\*%3k03%'.\*)!\*+!9!@;N)0)#/!b.' - !s#')#/#N)%I3#L!IO!,\*\*\$#&%'.T#!

,% '%30/./r!;,%&,\$%&! "#\$%&'( )%&/0/2!8<:1!=98@>;=98?<K!" 5\7!9EK9E=9Jj%6/K@6E>9<9K!

P8K!1##!Bko!D3T%&%L\*!Cko!\)4&% (1WK o!l.A!WK;nK!e=;FA)6'\*)%3.d%'.\*)!\*+!9!|=;Dd%I\*&.)#/g!

'>-?#1!&/0/2!9<1!=98P;=9?K!" 5\7!9EK9E<<J%;=9E>;P>P<K!

P<K!q-%)4! , ko!, - &\*/\*b/k%!Dko!l.A!WK;nko!s%&% ( % )/!t! [ko!5'#&\*!ZK!e2#'b##)!N3#6'&\*)!

"#3\*6%3.d%'.\*)!%)L!1\*b;10.)4!NG6.'#L!W%'#/#!+!2Z;\*"#\$%&L!D&\* ( %'.6!BOL&\*6%&I\*)/g!!"#\$%&

@ ">A%&7#1!%&/0/2!9?E89<%&" 5\7!9EK9E98JjK6\$3#'K=E=@K9?E89<K!

P?K!\/- .I%/- .!cK!WK!Dko!l% (.)#!Hko!C.XA#A!sKo!l.A!WK;nK!rU-#!D&\* ( %'.6!, 3%./#)!

`#%&&%)4# (#)'!\*+!%9!|=;Dd%I\*&.)#g!B6.%&CD(\$ (?%&! "#\$%&/0/2!E8!@: :>;@: >@%&" 5\7!

9EK9E@PJ" =5 2E=9>82K!!

! t!\)T.'#L!%/\$%&'!\*+!' - #!/\$#6.%3!./A#!r , #3#I&%'.)4!' - #!=E' - !%)).T#&/%&O!\*+!5&4%).6!%)L!

2.\* ( \*3#6A3%&! , -#(./'&OrK!

P@K!H%)4!qko!q-%)4! , ko!HA!cK

!''#''





!

?>K!\/- .I%/- .!cK!WK!Dko!C%&/- %331!cK!1Ko!C%#d.#&#!Dko!1\*T.)4#&! ]K!cKo!1 .!2Ko!q%k-%&\*T!1K!ZKo!  
" %&4#3\*/!Dko! ] &%6.%%1!Dko! , -&\*/'\*b/k%1!Dko!1.A!WK; nK!eU b\*!2Z!\/\*/'#&#/'\*+!D)' -&%6#)#7!  
W0)'-#/./!%)L! , -%&%6'#&.d%'.\* )g!;%& , \$%&! "#\$%&' ( )%&/031!89G!9<?9?;9<?=9K! " 5\7!  
9EK9E=9Jj%<E>>9@TK!

? :K! , -&\*/'\*b/k%1!Dko!hA!WKo!C%#d.#&#!Dko!2\*k)#T.'d! s ko!1 .!2Ko!DI I#0!NK!` ko! " %&4#3\*/!Dko!  
] &%6.%%1!Dko!1.A!WK; nK!eSR; [ -'\*#3#6'&\*)!W\$#6'&\*/6\*\$O!\*+!2Z!\)L\*3#/7!NG\$#&. (#)'%3!%)L!  
, \* (\$A%'.\* )%3!N3#6'&\*) .6!W'&A6'A&#D)%30/./g!;%& , \$%&! "#\$%&' ( )%&/031!89G!99>9@;99>=EK!  
" 5\7!9EK9E=9Jj%<E8@>PPK!

?8K!2&\*b)!DK!ZKo!q%k-%&\*T!1K!ZKo!C.kA3%/!Uko!" .G\*)!" K!Dko!1.A!WK; nK!r` -\*L.A( ; , %'30d#L!  
2QB!D6'.T%'.\* )!+!9! =;Dd%I\*&)#/#7!W0)'-#/./!%)L! , -%&%6'#&.d%'.\* )!+!2Z!\/\*/'#&#/'\*+!  
W'.3I#)#/r!B6. %&7#1!%/031!8G!@@?E;@@?@K! " 5\7!9EK9E=9J\*3<E9@8=bK!

?<K!hA!WKo!B%#++)#&!Fko!1 .!2Ko!q%k-%&\*T!1K!ZKo!1.A!WK; nK!rC\*)\*I#)d\*+A/#L!9!?:Dd%I\*&)#/#7!  
W0)'-#/./!% , -%&%6'#&.d%'.\* )!%)L!" ./6\*T#&O!\*+!%S).XA#! , \*\*&L.)%'.\* )!C\*L#r! , - .#/%&! "#\$%&  
0-1%&23%/031! :9!8 :P<;8 :PPK! " 5\7!9EK9EE=J%).#K=E9?E@PE@K!

??K!B%&3\* b1! ]K! [K o!q%k-%&\*T!1K!ZKo!HA! ]Ko!1.A!WK; nK!eU-#& (\*LO)% (.6%330! , \*)'&\*33#L!  
"0)% (.6!2.)L.)4!\*+!" .\*3/'\*!%9! =;

! t!B.4-3.4- '#L!.)!; , ! 'd 'T(1?D. "lA&v,%d , \$%d ! "#\$%d '( )!/03/1!89<1!99E<9;99E<=YK!  
! @?K!2%44#''!DK!Hko! , \*A&).%1!qko!B%)!!CK!Wko! [% '%&4.%/! ] ko! ] 3%/!1!DK! , ko! 1 .A!WK; nko!Z\*3#)!2K!cK!  
rW'A&6'A&3! , -%&6'&#&.d%' \*)!%)L! , \* ( \$A'&;D.L#L!5\$' . (.d%' .\*)!\*+!%W (%33; C\*3#6A3#!  
\)-.I.'\*!&!\*+'-#!D&\$=J@! , \* ( \$3G!%! s 0!` #4A3%'\*!&!\*+'-#!D6'.)! , 0\*'/k#3#\*')r!  
! "#\$ 4#3! "#\$!/03/1!L!9=>8;9=P?K! " 5 \7!9EK9EE=J6 ( L6K=E9=EE9E?K!  
@@K! , % ( \$I#331! [K! ] ko! C%&b . 'd!DK!cK!Rko! 1 .A!WK; nK!e` #6#) 'D!LT%)6#/.!)!Dd%I\*%&.)#! , -# ( ./'0g!  
, - .#/%d ! "#\$%&0-1%&23%&/03/1! : 8!18E : ?;8EP=K! " 5 \7!9EK9EE=J%) .#K=E9=EEE8@K!  
@=K!hA!Wko!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!rD!9!@; , - .0L&\*;9!@;%d I\*%&.)#! " #IA'/r!; %d , \$%d ! "#\$%d '( )!  
/033!899!>=E9<=>=E9<<K) " 5 \7!9EK9E=9Jj%=EP: E>PK!  
@9K!1A\*!1Hko! , % ( \$I#331! [K! ] ko!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!eD!W.)43#; , \* ( \$\* )#) '1.XA.L; [ -%/#!  
BOL&\*4#)!W\*%&4#!C% '#&.3g!; %d , \$%d ! "#\$%d '( )!/033!899!9P@=8;9P@=P%& " 5 \7!  
9EK9E=9Jj%=E>>@?TK!  
& t!B.4-3.4- '#L!.)!! "#\$D)5?&U&2- .D-##6D- . &=#/A!V , i NZY!V=E99!Z\*T# ( I#&!>!\$%4#!@<Y!  
, i NZ!\* )3.)#!V=E99!- '\$7J6#)K%6/K\*4J%&' .63#/J>PjB#IJ=E99J99J 1.XA.L;FA'A&#;BOL&\*4#);  
FA#3K-' ( 3Y1!.)!=5!P6#&! "#\$DA16>d/03/1!<1!<1%)L!.)!=5!P6#&! ?D\$5!#&! "5- . #!/03/1!E1!=@K!  
@EK!C%&b . 'd!DK!cK!Rko! 1 % ( ( !DK!Zko!q%k-%&\*T!1K!Zko!R%/ .3.A!Cko! " .G\*)! " K!Dko! 1 .A!WK; nK!e2Z;  
WAI/' . 'A' #L! " . \$-#)03%6#0#3#)#7!D!2%/ .6!C\*L#3!+\*%&! , \*)jA4%#L! [ .;WO/'# ( /! , \*)'%. )4!-#!  
2Z!2\*)L! [% .&g! / "#\$%d ' )D%!/03/1!9!>=<;>=PK! " 5 \7!9EK9E@PJ , 9W , EE<EEFK!  
! t!B.4-3.4- '#L!.)! 'I=J , ! K 'd /03/1!FM:NI! ?P:K!  
=PK!1A\*!1Hko!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!e9! =; 2Z! , 063\* -#G%)#7!WO)' -#./!W'A&6'A&#! " 0) ( .6/!  
%)L!` #%6'.T.'0g!; %d , \$%d ! "#\$%d '( )!/033!899!9@EE8;9@EEPK! " 5 \7!9EK9E=9Jj%=E8?P: GK!  
=>K!DII#0!NK!` ko!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!e2\*%&!)! ) . /4A. /#7!U-#! [%&#) 'leFA/#Lg!2Z!  
\ )L\*3#g!; %d , \$%d ! "#\$%d '( )!/033!899!d99<E>;99<99K! " 5 \7!9EK9E=9Jj%=E< : : PIK!  
! t!B.4-3.4- '#L!.)! 'I=J , ! K 'd /033!8H!9E: =K!  
=:K!1% ( ( !DK!Zko! ] %& )#&!NK!2K!!\o! " .G\*)! " K!Dko! 1 .A!WK; nK!eZA63#\*\$- .3.6!D&\* ( %'.6!  
WAI/' . 'A' .\*)!` #%6'.\*)/!+!9! =; " .-0L&\*;9! =; Dd%I\*%&.)#g! , - .#/%d ! "#\$%&0-1%&23%&/033! : H!  
>9< : ; >9EK! " 5 \7!9EK9EE=J%) .#K=E99E@9P=K!  
=8K!C%&b . 'd!DK!cK!R!c#)k.)/!1cK!UK o!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!e , %' .\*) .6!9! =; Dd%I\*%&.)#!  
DLLA6'/!+!U& . ( #' -03\$-\*/\$-.)#!U&.\$-#)03\$-\*/\$-.)#!5G.L#!%)L! [ O&.L. )#; =; 5G.L#g!  
B6.5- ( \$#15??D)A&/033!9H!<=><?K! " 5 \7!9EK9E=9J\* ( 9E9E>@\$K!  
=<K! , % ( \$I#331! [K! ] ko!DII#0!NK!` ko!Z#.)#&! " ko! ] &%) '1! " K!cKo! " .G\*)! " K!Dko! 1 .A!WK; nK!e` #/\*) )6#!  
W'% I.3.d%' .\*)!N)#&40!\*+!9! =; Dd%I\*%&.)#7!D!\_A%) ' .%'.T#!NG\$#&. ( #)'%3!W'ALO!IO!` #%6'.\*)!  
, %3\*%&. ( #'&0g!; %d , \$%d ! "#\$%d '( )!/030!89E!9>E?>;9>E<E%& " 5 \7!9EK9E=9Jj%9EP<P8 ( K&  
=?K!DII#0!NK!` ko!q%k-%&\*T!1K!Zko! 1 .A!WK; nK!eN3#6'&\*\$- .3.6!D&\* ( %'.6!WAI/' . 'A' .\*)!\*+!%2Z!  
\ )L\*3#g!; %d , \$%d ! "#\$%d '( )!/030!89E!98@?E;98@?=K! " 5 \7!9EK9E=9Jj%9E: @9=AK!  
! t!B.4-3.4- '#L!.)!! "#\$D)5?&U&2- .D-##6D- . &=#/A!V , i NZY!V=E9E!Z\*T# ( I#&!9<1!\$%4#!@8YK!



!

9PK!C%'A/!|Cko!l.A!|WK;nKo!" .G\*)!|"K!DK!e"#-0L&\*4#)%'.\*)!`#%6'.\*)/!\*+!,063.6!,2ZB !%)L!  
 ,2ZB !\/\*(#&/g!;%&@ ">A%&! "#\$%&,+/030V&88<1!=8???=8<?K!"5\7!9EK9E=9Jj\$P9E=>@>K!  
 9>K!U%)j%&\*\*!)!,Ko!"%30!|DKo!C%&b.'d!|DK!cK!Rko!l.A!|WK;nKo!sAk\*3.6-!|WK!Jk!eC.6&\*b%T#!  
 (#%/A&#(#)'/!%)L!%I;.)'.\*!6%36A3%'\*)/!\*+/'&A6'A&%3!%)L!#3#6'&\*) .6!\$&\*\$#&'./!\*+!Z;N';9|=;  
 %d%I\*&)#g!;%&! "#\$%&@ ">A%!/004!|898!|=??@9=K!"5\7!9EK9E8@J9K@=:E9<:K!  
 9:K!C%&b.'d!|DK!cK!Rko!C6,3.)'\*6k!|WK![ko!q%k-%&\*T!|K!Zko!l.A!|WK;nK!e2Z!|I#)d\*).'&.3#7!%)!  
 #3#6'&\*);L#+.6.#)'!9|=;L.-0L&\*;9|=;%d%I\*&)#!+##'A&.)4!3.)k%4#!./\*(#&./ (g! "#\$%&! (\$ \$P-%!  
 ! /030!|<G!|: :P; :>9K!"5\7!9EK9E@PJ2P9P8@=,K!  
 98K!l.A!|lKo!C%&b.'d!|DK!cK!Rko!C%' -#b/!|2K!Hko!l.A!|WK;nK!e2\*&)!C.(.6/7!9|=;" .-0L&\*;9|=;  
 %d%I\*&)#/!2.)L!)/.L#!%|Z\*);\$\*3%&! ,%T.'O!\*+!U?!|O/\*dO (#g!, -. #/%&! "#\$%&0-1%&23%&/004!  
 <F!|8>9:;8>9PK!"5\7!9EK9EE=J% ).#K=EEPE@@PEK!

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

[%4#!9E)

!

@K! 1.A!WK;nko!l\*!l!CK!CK; ,ko!FA! ] K! , K!e9! =;Dd%I\*!\*303/!!\/\*#3#6'&\*) .6!D)%3\*4A#/\*+!' -#!



}

!3&0,) %2\*7010%, \$8\*; #44(, &\*

!

|!<N!DLT%)6#L!C%#&. %3/1!\)6k!! =E==;=E=@!

!Z%' .\*)%3!\)/'. 'A'#/!\*+!B#%3' -!V`E9;Z\ ] C WY! =E=E;=E=?!

! \) '#&)' .\*)%3! ] A#/'! , -% .&!N=W!\) .'.%'.T#!S ).T#&/.'O!\*+! [%A!%)L! [%O/!L#!3^DL\*A&! =E9P;=E=?!

!Z%' .\*)%3!\)/'. 'A'#/!\*+!B#%3' -!V`E9;Z\ ] C WY! =E9E;=E=E!

!

&

!Z%' .\*)%3!W6.#)6#!F\*A)L%' .\* )!! =E98;=E9P!

&

W&U-#! , % ( .33#! i !B#)&O! " &#O+A/!F\*A)L%' .\* )!\)6k! =E9=;=E9:!

&

W&! " # \$ % & ' ( # ) ! \* + ! N ) # & 4 0 ! N N ` N ! =E9=;=E98!

!Z%' .\*)%3!W6.#)6#!F\*A)L%' .\* )!! =E9=;=E9<!

! !

! " # + # ) / # ! U - & # % ' ! ` # L A 6 ' . \* ) ! D 4 # ) 6 0 ! =E99;=E9?!

!Z%' .\*)%3!\)/'. 'A'#/!\*+!B#%3' -!VWUU`Y! =E9=;=E9@!

!5 & # 4 \* ) ! Z % ) \* / 6 . # ) 6 # ! % ) L ! C . 6 & \* ' # 6 - ) \* 3 \* 4 . # / ! \ ) / ' . ' A ' # ! =E9=;=E9@!

! " # \$ % & ' ( # ) ! \* + ! " # + # ) / # ! Q ! U % 6 ' . 6 % 3 ! N ) # & 4 0 ! W O / ' # ( / ! [ & \* 4 & % ( ! =E99;=E9=!

W&! " # \$ % & ' ( # ) ! \* + ! N ) # & 4 0 ! N N ` N ! =EE>;=E9=!

!D ( # & . 6 % ) ! , - # ( . 6 % 3 ! W \* 6 . # ' O ! ! [ # ' & \* 3 # A ( ! ` # / # % & 6 - ! F A ) L ! " Z \ ! =EEP;=E99!

! !

! C # L . 6 % 3 ! ` # / # % & 6 - ! F \* A ) L % ' . \* ) ! \* + ! 5 & # 4 \* ) ! =EE : ; =EE>!

! !

!

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

[%4#!9@)

‡

;0<' )%,1\*%)''\* .,010)&%&'()1\*

‡

3(1'.%4+;%2.6''%&+

+

W!!S).T#&/.'O!\*+!L%-\*!C\*/6\*b!\ " !=EE:!

|!D)%6\*&![-%& (%6#A'.6%3/1!\)6K1![%3\*!D3'\*!,D!=EE:!

|!S).T#&/.'O!\*+!H%/-.)4'\* )!W#%'3#!HD!=EE>

!

! S).T#&/. 'O!\*+!D&.d\*)%1!UA6/\*)!Dq1!=E99!

! S).T#&/. '~!L#! [%A! [%A!F&%)6#!!=E99!

! S).T#&/. '~! [%A3!W%I%' .#&1!U\*A3\*A/#!F&%)6#!!=E99!

! 8 !0-1#6-5!D(-5?& \ 6##-&2?# \$#-!A&' )D#-)#&'> \$T(ADP \$!5k%0% (%!S).T#&/. 'O!\*+!W6.#)6#!!

! 5k%0% (%!c%\$%)!!=E99!

! Z%4\*0%!S).T#&/. 'O!Z%4\*0%!c%\$%)!!=E99!

! U\*k0\*!S).T#&/. 'O!\*+!D4&.6A3'A&#!%)L!U#6-)\*3\*40!U\*k0\*!c%\$%)!!=E99!

! S).T#&/. 'O!\*+!U\*k0\*!U\*k0\*!c%\$%)!!=E99!

! s 0\*!\*!S).T#&/. 'O!s 0\*!\*!s %'/A&#! , % ( \$A/!c%\$%)!!=E99!

! s 0\*!\*!S).T#&/. 'O!s 0\*!\*!Sj.!, % ( \$A/!c%\$%)!!=E99!

! 5 /%k%!S).T#&/. 'O!5 /%k%!c%\$%)!!=E99!

! B.&\* /-. (%!S).T#&/. 'O!B.4% /-.&\* /-. (%!c%\$%)!!=E99!

! s 0A/-A!S).T#&/. 'O!FAkA\*k%!c%\$%)!!=E99!

! , \$#6D)5-&! "\$ \$D)5?&' ( )D#1>&=5!D(-5?& 4 ##!D- . &E<9&' #AAD(-&eD , W!D b&&L!+\*&!, &##%!T#!H\*&k!

! .)!W0)'-#'.6!5&4%).6! , -# ( ./&07!W0 ( \$\*/.A ( !.)!B\*)\*&!\*+! ] &#4\*&0! , K!FAg!W%)! " .#4\*! , D!

! =E9=!

! =5!D(-5?& 4

!

đ

Wđ 2?#\$#-1(đB6.5-D)đ!''#\$DA16>đ '>\$T(ADP\$!sA)/-%)! , -.)%!=E9?!

Wđ W-%)4-%.!)\)!'A'#!\*+!5&4%).6! , -# (./'&0!W-%)4-%.1! , -.)%!=E9?!

Wđ H#/'!R.&4.)%!S).T#&/'!0!C\*&4%)\*b)!HR!!=E9?!

Wđ 89 đ0-1#6-5ID(-5?đ '>\$T(ADP\$đY(6đ!''D-#A#đB6.5-D)đ!''#\$DA1AđMO'!B!J89N1!h.%(#!)!, -.)%!  
=E9?!

|!B6.5-(\$#15??D)đ!''#\$DA16>đ \ (63(-đ\*#A#56)''đ!(-Y#6#-)#

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

[%4#!98)

!

| @5)DYD) "#\$&EHE8&'>\$T(ADP\$&ZEE&eS)A/A%3!W'&A6'A&#!%)L!`#%6'.T.'0!.)!'-#!C%..)! ]@