

!"#\$%&'(")*+,-&
.\$/#01&2&3"-,#&
4*50,-\$&

!!! "#\$%'%()*+,-./:;?@A12-3456
2%#0+, &(&'%, /0+13(+3' &4").)5

67897:3.;)&

6. 17/#58%991%: . #;5<. "=5

=/9, &\$\$5>, . /9??;5<. "=5

@/%9&35="5A931\$' ;5<. "=";5B"<"C"5

D1&\$\$&5E&/93;5<. "=5

F. 13' /58&@%&;5<. "=5

=13/\$' 5B"5@+3. 19#0;5<. "=";5B">"G";5AH>G5

I. &3: 7+35J+/3;5<. "=";5B"="5

F+, /9' 15K"5G9/L;5<. "=";5B">"5

973! :;)<:=>&

M35 NOPO;5 0. &5 H1\$\$&: &5 ?195 <%*\$+, 5 C&/\$. 5 R5 >1, +/\$5
K%#0+, &5 SH<C>KT5 ! /#5 �/*\$+#. &' ;5 %3+?L+3: 5 0. &5
>, . 11\$51?5<%*\$+, 5C&/\$. :50. &5>, . 11\$51?5>1, +/\$5G19U;5
/3' 50. &5 H9+7+31\$1: L5 R5 H9+7+3/\$5K%#0+, &5)91: 9/7"55
6. &5#1, +/\$5! 19U5)91: 9/75! /#5�/*\$+#. &' 5+35PVQ05
/3' 5! /#5?+9#05 /, , 9&' +0&' 5+35PVQ0"5 5 M05 * &, /7&5/35
/%013171%#5>, . 11\$51?5>1, +/\$5>&9W+, &5+35PVXY"556. &5
>, . 11\$51?5<%*\$+, 5 C&/\$. 5! /#5�/*\$+#. &' 5+35PVVP5
/3' 5 %3' &9: 9/' %/0&5 ' &: 9&&5)91: 9/7#5 +35)%*\$+, 5
. &/\$. 5/3' 5. &/\$. 57/3/: &7&305' /0&5*/ , U5015NOOZ"555

6. &5 H1\$\$&: &5 +#5 , 177+00&' 5 015 /5 #0913: 5 K&#%+05
09/' +0+135 1?5 , /9+3: 5 /3' 5 /' W1, /0+3: 5 ?195 0. &5
%3' &9#&9W&' 5 /3' 5 7/9: +3/\$+ [&' "5 5 \/, . 5 7/2195
9&] % +9/57+3+7% 751?5PNO5, 9&' +0#5?195: 9/' %/0+13"55
>&9W+, &5\$&/93+3: ;5) 9/, 0+, %7;5+77&9#+13509+)#;5/3' 5
0. &51)) 190%3+0L5015#0%' L51350. &5B/' 9+ 5H/7) % #5/9&5
/' '+0+13/\$?&/0%93?50. &5%3' &9: 9/' %/0&5) 91: 9/7"5

6. &5H"<"C">"K"5+#5, 17) 1#&' 51?5?+W&5' &)/907&30#5/3' 5

13&5#, . 11\$50. /05/' 7+3+#0&950. &5/, /' &7+, 5)91: 9/7#5
/3' 5, 13' %, 05#0/0&-1?-0. &-/9059&#&/9, . "5

! "##"\$%&

8/#&' 5 135/5, 177+07&3051?5#&9W+, &501510. &9#;5! &5
+7)91W&5. &/\$. 5/3' 5! &\$\$-*&+3: 5\$1, /\$\$L;53/0+13/\$\$L5
/3' 5 +30&93/0+13/\$\$L5 0. 91%: . 5 %3+] %&5
+30&9' #, +) \$+3/9L5/))91/, . 2. /05+3#) +9&5#0%' &30#;5
: &3&9/0&5 U31! \$&' : &5 /3' 5 &3: /: &5 +3' +W+' %/\$#5 /3' 5
, 177%3+0+&#"5

' %()*+*, (-, .) &/+*) #&O11)* (&
8/, . &\$1951?5A90#5S8AT5/3' 58/, . &\$1951?5>, +&3, &5S8>T5
' &: 9&/9&51??&9&' 5+3513&51?5#+457/219#"5

^5 8+1#0/0+#0+, #5S8>T5
^5 H9+7+31\$1: L5R5H9+7+3/\$5K%#0+, &5S8AT5
^5 \7&9: &3, L5B/3/: &7&305S8>T5
^5 C&/\$. 5B/3/: &7&305S8>T5
^5 <%*\$+, 5C&/\$. 5S8>T5
^5 >1, +/\$5G19U5S8>T5

' %()*+*, (-, .) &! "%\$*#&23, "4, 54)&
^5 H9+7+31\$1: L5R5H9+7+3/\$5K%#0+, &5
^5 \7&9: &3, L5B/3/: &7&305
^5 <&/, &5R5>1, +/\$5K%#0+, &5
^5 <%*\$+, 5

!"#\$%&'()*+,-./:012-3456789

,1%9#?1,%#&'5135,9+7+3/\$52%#0+,&5#L#0&7#5/#5!&\$\$5
/#50.&53/0%9&51?5,9+7&"55

6.&58A5+35H9+7+31\$1:L5/3'5H9+7+3/\$5K%#0+,&59&]#9
/57+3+7%751?5PNO5,9&'0#5?195:9/'%/0+13"556.&5
)91:9/751??&9#5,1%9#&!19U50./05)91W+'#0%'&30#5
!+0.5/5?1%3'/0+135?195%3'&9#0/3'+3:50.&5,/#
/3'5,199&\$03?5,9+7&5/3'50.&5#L#0&7#50./05
9&#)13'5015,9+7+3/\$5/3'5'&\$+3]#&305*&./W+19"556.&5
)91:9/7`#5%3+]#&5?1,%#5135.%7/352%#0+,&5#%)190#5
#0%'&30#`5%3'&9#0/3'+3:51?50.&5.%7/3+0L51?5/\$5! .15
/9&5+3W1\$W&'5+350.&52%#0+,&5#L#0&75+3,\$%' +3:5
W+,0+7#;51??&3'&9#;5/3'5)9/,0+0+13&9#"556.91%:.5
9+:191%#5/,/'&7+,5,1%9#&!19U;5#0%'&30#5*&,17&5
&'%,/0&'5,13#%7&9#51?5+3?197/0+135/3'59&#&/9,.5
0./05,/35*&5/)\$+&'50152%#0+,&5#&00+3:#"5H177%3+0L-
*/#&'5&4)&9+&30+/\$5\$&/93+3:51))190%3+0+ǽ/+35
#0%'&30#5015*&5&??&,0+W&5/3'509/3#?197/0+W&5
)9/,0+0+13&9#5/3'5,+0+[#3#"556.91%:.5/35+30&:9/0+135
1?5#, .1\$/9#.+)5/3'5,177%3+0L-&3:/:&'5#&9W+,&5

>0%' &30#5, /35! 19U5/#5W1\$%30&&9#5/05. &/ \$0. 5#&9W+, &5
)91W+' &9#5 ?195 %3' &9)9+W+\$&: &' 5 , 177%3+0+ /3' 5
) /90+, +) /0&5 +35 #&9W+, &5 &W&30#5 #%, . 5 /#5 B/U&5 A5
=+??&9&3, &5=/L"5>0%' &30#5, /35/\$#15* &, 17&57&7 * &9#5
1750. &5 < %* \$+, 5 C&/ \$0. 5 H\$% *5 015 : &05 015 U31! 5 10. &95
*+1#0/0+#0+, #5 #0%' &30#5 /3' 5 &3, 1%30&95 /' ' +0+13/\$5
#&9W+, &;5+30&93#. +)5/3' 5&\$/ ' &9#. +)51)) 190%3+0+&#"5

! / (\$\$5&

H/9&&9#5 &4+#05 +35 * 10. 5 09/' +0+13/\$5 . &/ \$0. -?1, %#&' 5
19: /3+[/0+13#5/#5! &\$\$5/#5+353&! 5)9/, 0+, &5#&00+3: #"5
B19&1W&9;5 0. &5 3&&' 5 ?195 /5 09/+3&' 5 . &/ \$0. 5
7/3/: &7&305! 19U?19, &5! +\$\$5+3, 9&/#&5: 1+3: 5?19! /9' 5
0157&&050. &53&&' #51?5/5: 91! +3: 5! 19\$' 5) 1) %\$/0+13"5

=>-"*)(&R),4.:&! ,%,+);)%&! ,\$\$*&7\$-*)#&@EF&8*)(".#C&

- CB<5 PQ005H130&7)19/9L5H./\$\$&3:C&/\$.5H/9&5 05
- CB<5 NP0058%#3>&,019#5+35C&/\$.5H/9&5 05
- CB<5 Ni005B/3/:&7&3051?5C&/\$.5H/9&5h9:/3+[/0+13#5 05
- CB<5 QN005C&/\$.5H/9&5\,1317+,#5R5<1\$+,L5 05
- CB<5 QY005C&/\$.5H/9&5B/9U&0+3:5 05
- CB<5 Qi005C&/\$.5H/9&5C%7/35F%9,&5B/3/:&7&305 05
- CB<5 YN005C&/\$.5H/9&5E+3/3,+/\$5B/3/:&7&305 05
- CB<5 Yi005C&/\$.5H/9&5h)&9/0+13#5 05
- CB<5 YX005>09/0&:+,5B/3/:&7&305+35C&/\$.5H/9&5 05
- CB<5 YV005C&/\$.5B/3/:&7&305F1%3' #k5 05
- <d8C5 NP005M3091'%,0+135015_\$1*/\$5C&/\$.5 05

#, . 1\$/9#. +)5)91:9/7#"5 615 *&5 ,13#+&'9&'5 ?195
' 7+##+135 015 /3L5 >/+305 @1%+#5 d3+W&9#+0L5
%3' &9:9/'%/0&5)91:9/7;5 0. &5 /))\$+, /305 7%#05 *&5
:9/'%/0+3:5?9175/35/, ,9&' +0&' 5. +: . 5#, . 11\$5195. /W&5
/35 /, ,&)0/*\$&5 #, 19&5 135 0. &5 _&3&9/\$5 \ ' % , /0+135
=&W&\$1) 7 &305S_\ =T50�"5

<*, % #1)*&

A))\$+, /30#5 7%#05 *&5 /5 :9/'%/0&5 1?5 /35 /, ,9&' +0&' 5
;)9:519:517 8\$5195 L3W&5/95/1 (9) 9/1\$5# 21&5 035 0245 597.84 6B D.1102 64200 421658.9193 (-49 715 1 (f[(0\$) 1
_\ = "5A351??+, +/\$5. +: . 5#, . 11\$509/3#, 9+)05/3' 51??+, +/\$5
0#, 19/9&59&] % +9&' 513\$L51?50. 1#&5#0%' &30#5! . 15
. /W&5 /00&7)0&' 5 ?&! &95 0. /35 NY5 09/3#?&9/*\$&5
#&7�&95, 9&' +0#5S195Q05]%/90&95, 9&' +0#T51?5, 1\$\$&: &5

9519:517 8\$5195 L3W&5/95/1 (9) 9/1\$5# 21&5 035 0245 597.84 6B D.1102 64200 421658.9193 (-49 715 1 (f[(0\$) 1

A;>= :

@ : 89?8<7&) : =@ : 8A3&

B/- *#0C&

D): , 3"\$* , 4&N8")%8)& , %(&R) , 4. : &G(-8 , ."\$%&
 \\$/+[/ * &0. 58/U&9;5< . "=";5B"<"C"5
 \\$\$&35a"58/93+' : &;5< . "=";5B"<"C"5
 a&135@"5_+*\$&90;5=9"<"C";5B"A";5B"<"A"5
 K&??9&L5B/L&9;5< . "="5
 =/9 , &\$\$5<"5> , . /95;5< . "="5
 \3*/\$5> . / , . /7;5< . "=";5B"\ ' " ;5B"<"\55
 D/3 , L5@"5G&/W&9;5< . "=";5B"<"C"5
 F+ , /9' 15K"5G9/L;5< . "=";5B">"5

G%3"*\$%;)% . , 4& , %(&O88-W , ."\$, 4&R) , 4. : &
 H/91\$&58/#U+3;5="b"B";5B"> , " ;5H<MA5
 89&005\71;5< . "=";5B"<"C"5

8HE,55,"J&: \$L*,(\$E\$J05&

A))\$+, /30#5#. 1%\$' 5. /W&5/5* /, . &\$19p#5' &: 9&&5! +0. 5315
\$2. /35/5Q"05: 9/' &5) 1+305/W&9/: &"56#, 19/9&5
)9&?&9/*\$L5+350. &5 i 00. 5) &9, &30+\$ 195 . +: . &9;5 *%05
0. &9&5 /9&5 315 7+3+7% 75 ,%01??#"5 A))\$+, /30#5 /9&5
9&] %+9&' 5 015 , 17)\$&0&5 /35 +3091' %, 019L;5
%3' &9: 9/' %/0&-\$&W&\$5 7+, 91&, 131 7+, #5 , 1%9#&5
* &?19&5#0/90+3: 50. &5) 91: 9/7"5

2WW4"8, . "\$%&=) > - "*");)% . #&
^5 A))\$+, /0+135?1975/3' 5?&&5
^5 69/3#, 9+) 0S#T5
^5 6. 9&&5\$&00&9#51?59&, 1 7 7 &3' /0+135
^5 6#, 19\$?195B"C"A"5/))\$+, /30#513\$LT5-5_F\;5
_BA6;5BHA6;5@>A65/9&5/, , &) 0&' 5
^5 Fr#% 7r(, %99+, %%% 75W+0/&5
^5 M30&9W+&! 5
^5 <91?&##+13/\$5: 1/\$5#0/0& 7 &305

=) > - "*");)% . #&1\$*&V%.) *%, . "\$%, 4&N. - ()% . #&
^5 A5, 17)\$&0&' 5=&, \$/9/0+1351?5E+3/3, +/\$5>%)) 1905
) /, U&05! +0. 5/\$\$5/, , 17)/3L+3: 5' 1, % 7 &30#5
^5 6h\E@5195<6\5A, /' & 7+, 5#, 19&5
^5 H. &, U50. &5\3: \$+#. 5<91?+, +&3, L5<1\$+, L5)/: &5?195
#) &, +?+, 56h\E@5/3' 5<6\5#, 19&59&] %+9& 7 &30#"5
>0%' &30#57/L5/\$# 15W+#+050. &5+30&93/0+13/\$5

&' % , /0+13"5h))190%3+0+3, \$%' &5/5\$+7+0&' 53%7 * &95
1?5 7&9+0-*/#&' 5 #, . 1\$/9#. +) #;5 : 9/' %/0&5 9&#&/9, . 5
/##+##0/30#. +) #5/3' 5) /90-0+7&521 * #5S?%\$\$-0+7&5B"C"A"5
#0%' &30#513\$LT"5A! /9' #5/9&57/' &5015/))\$+, /30#5! +0. 5
0. &5. +: . , 17 * +3/0+13#51?5_<A#5/3' 50#, 19
! . 15, 17) \$&0&50. &+95/))\$+, /0+13#5 * L5E& * "5Pi "5

E195 719&5+3?197/0+13;5W+#+050. &5 #0%' &305?+3/3, +/\$5
#&9W+, 3??+, &513\$+3&5/05?+3 /+ ' "#\$%"&' %"5

8 --(\$H,0/0," J&

6. &5 H1\$\$&: &5?195 <% *\$+, 5 C&/\$. 5 R5 >1, +/\$5 K%#0+, &5 +#5
?%\$\$L5 / , , 9&' +0&' 5 * L5 0. &5 H1%3, +\$5 135 \ ' % , /0+135?195
<% *\$+, 5C&/\$. 5SH \ <CT"5

6. &5 B"C"A"5)91: 9/75 +#5 / , , 9&' +0&' 5 * L5 0. &5
H177+##+135 135 A, , 9&' +0/0+135 1?5 C&/\$. , /9&5
B/3/: &7&305 \ ' % , /0+13"5

) ("%(/E&: \$L *, (\$E \$J05&&

=) > - "*" (&7\$*) &7\$ - *#) #&@AF&8*) (" . #C&
CB<5 i 0005C&/\$. 5H/9&5h9: /3+[/0+135 05
CB<5 i 0005M3091' % , 0+135015C&/\$. 5H/9&5A, , 1%30+3: 5 05
CB<5 i 0Y05E%3' /7&30/\$#51?5\ , 1317+, #5/3' 5E+3/3, &5 05
CB<5 i P005J%/\$+0L5M7) 91W&7&305+35C&/\$. 5H/9&55 05
5 B/3/: &7&305 05
CB<5 i PP05C&/\$. 5h) &9/0+13#5B/3/: &7&305 05
CB<5 i PQ05C&/\$. 5M3?197/0+135>L#0&7#5 05
CB<5 i PV05A3/\$L0+, /\$5B&0. 1' #5?195C&/\$. 5B/3/: &7&305 05
CB<5 i N005C&/\$. 5\ , 1317+, #5 05
CB<5 i 0005B/3/: &7&3051?5C&/\$. 5H/9&5h9: /3+[/0+13#5 05
CB<5 i QY05C&/\$. 5H/9&5B/9U&0+3: 5 05
CB<5 i Qj 05B/3/: &7&3051?5C%7/35F%9, +35C&/\$. 55

!"\$%'()*+,-.*/01"2-3#4"5(6

789:;789<

B"C"A"5' &: 9&&5)91: 9/7s5. 1! &W&9;50. &5)%9#%+051?5/5
, 13, &309/0+135 7/L5 +3, 9&/#&5 0. &5 0+7&5 015 ' &: 9&&5

W/9+&0L5 1?5 #&00+3: #"5 \4)&9+&3, &' 5)%*\$+, 5 . &/\$. 5
)91?&##+13/\$#5 , /35 /##+05 #0%' &30#5 +35 ?+3' +3: 5 /35
+30&93#. +)5 +35 >0"5 @1%+#;5 3/0+13/\$\$L5 195 / , 91##5 0. &5
: \$1 * &"5

! / (\$\$5&

>@d`#5)%*\$+, 5 . &/\$. 5 : 9/' %/0 /9&5 &7)\$1L&' 5 /05
?&' &9/\$;5#0/0&5/3' 5\$1, /\$. &/\$. 5/: &3, +&#s5, 13#%\$0+3: 5
?+97#s5 , 13#%7&95 /' W1, /, L5 19: /3+[/0+13#s5
, 177%3+0L-*/#&' 5 19: /3+[/0+13#5 /3' 5 . &/\$. 5 , /9&5
, &30&9#s5 . 1#)+0/\$#s5 9&#&/9, . 5 , &30&9#s5 /3' 5
%3+W&9#+0+&#"5

G+0. +350. &5?+9#05L&/951?5: 9/' %/0+13;5VV5) &9, &30k51?5
1%95 : 9/' %/0 /9&5 *&: +33+3: 5 0. &+95 , /9&&9#: 5
) /90+, +) /0+3: 5 +35 ?&\$\$1! #. +) #5 195 ?%90. &9+3: 5 0. &+95
: 9/' %/0&5&' % , /0+13"5

k5 A, , 19' +3: 5015#%9W&L59&#) 13#?91 750. &5H\$/##51?!
NOpi "5

8HE,55," J& : \$L *, (\$E\$J05&

A))\$+, /30#5#. 1%\$' 5. /W&5/5*/ , . &\$19p#5' &: 9&&5! +0. 5315
\$&##50. /35/5Q"05: 9/' &5) 1+305/W&9/: &"56#, 19/9&5
)9&?&9/*\$L5+350. &5 i 00. 5) &9, &30+\$ 195 . +: . &9;5 *%05
0. &9&5 /9&5 315 7+3+7%75 , %01??#"5 A))\$+, /30#5 /9&5
9&] %+9&' 5 015 , 17)\$&0&5 /35 +3091' % , 019L;5
%3' &9: 9/' %/0&-\$&W&\$5 7+, 91&, 1317+, #5 , 1%9#&5
*&?19&5#0/90+3: 50. &5)91: 9/7"5

7\$(%8)% . * , . "\$%&NW)8"1"8&=) > - "*" ;) % . #&

.\$/#01&A/J/%\$E\$J0&/JH&) "#,-C&
!"J-\$J0(/0,"J&

=)>-"*)(&7\$-*#)#&@BM&8*)(".#C&
 CB<5 i 0005C&/\$.5H/9&5h9:/3+[/0+135 05
 CB<5 i N005C&/\$.5\,1317+,#5 05
 CB<5 i NPO5\,1317+,5\W/\$%/0+135 05
 CB<5 i i 005C&/\$.5<1\$+,L5 05
 CB<5 i i PO5C&/\$.5<1\$+,L5/3'5@/!5 05
 CB<5 i ZN05_1W&937&305E+3/3,+3:51?5C&/\$.5/3'5C&/\$.55
 5 H/9&5 05
 CB<5 i VX05H/)#013&5>&7+3/95+35C&/\$.5B/3/:&7&305/3'55
 5 <1\$+,L5 05

```

\

```

U, Y&G4)8."3)k@A&8*) (".#C&

```

! , % , + ) ; ) % . & 7 $ - * # ) k @ E & 8 * ) ( " . # C &
<d8C5 i PP05B/3/: &9+/$5A#) &, 0#51?5<%*$+,5C&/$.55 05
5 <9/,0+, &55 05
CB<5 i Q005B/3/: &7 &3051?5C&/$.5H/9&5h9:/3+[/0+13#5 05

```

```

=$-% (#&7$-*#)k@8: $$#)k$%)C&
<d8C5 i V005<%*$+,5C&/$.5F1%3' #5 05
CB<5 i V005C&/$.5B/3/: &7 &305/3' 5<1$+,L5F1%3' #5

```

```

V%.)*%#: "W&@8: $$#)k$%)C&
<d8C5 i VP05<9/,0+, &5\4) &9+&3, &5+35<%*$+,5C&/$.5 05
CB<5 i VP05M30&93#.+)5

```

+3,\$%'5+3&5,9&' +0#51?5,1%9#&! 19U5?91 750. &5=1+#L5
H1\$\$&: &51?5C&/\$. 5>, +&3, B">"5' &: 9&&"55

8HE,55,"J&: \$L*,(\$E\$J05&

>0%' &30#5 7%#05 7&&05 0. &5 /' 7###+135 9&] %&9& 7&30#5
/3' 5 * &5 /' 7+00&' 5 +3015 *10. 5 ' &: 9&&5)91: 9/7#5
/, ,19'+3: 5 015 0. &5)91, &## 1?5 &/, . 5 1?5 0. &5
) /90+, +) /0+3: 5 /, /' & 7+, 5%3+0#5+35 19' &95015) %9#%&5/5
' %/\$5' &: 9&&5) 91: 9/7"5M3' +W+' %/\$#57/L5/)) \$L50150. &5
B"<"C"5 ' &: 9&&5)91: 9/75 ,13, %99&30\$L5 ! +0. 5
) \$+, /0+135015195?1\$! +3: 50. &+95/' 7###+1350150. &5
=1+#L5 H1\$\$&: &5 1?5 C&/\$. 5 >, +&3, &#s5 . 1! &W&9;5
' 7###+1350150. &5' %/\$5' &: 9&&5) 91: 9/75+#5, 130+3: &305
) 135/' 7###+135015 *10. 50. &5 B"<"C"5/3' 50. &5 B">"5
' &: 9&&5) 91: 9/7#"

)("%(/E&: \$L*,(\$E\$J05&&

=> >-"*) (&7\$*) &7\$- *#) #&@E0&8*) (".#C&
8>C5 i 00058&. /W+19/\$5>, +&3, &5/3' 5<%* \$+, 5C&/\$. 5 05
8>65 i 0005<9+3, +) \$3?58+1#0/0+#0+, #5 05
\hC5 i 0005\3W+913 7&30/\$5/3' 5h, , %) /0+13/\$5C&/\$. 5 05
\<M5 i 0005<9+3, +) \$3?5\)+ ' & 7+1\$1: L5 05
<d8C5 i OP05B###+135/3' 5<9/, 0+, &51?5_ \$1*/\$5<%* \$+, 5C&/\$. 5 05
CH\5 i ON05\0. +, /\$5M##%+35<%* \$+, 5C&/\$. 5 05
8>=<5 i P005<%* \$+, 5C&/\$. 5/3' 5=##/#0&9#5 05
=M\65 i Q005H1 7 7%3+0L5D%09+0+135 05
=M\65 i Y005D%09+0+135\ ' %, /0+135 05
CB<5 i 0005C&/\$. 5H/9&5h9: /3+[/0+135 05
CB<5 i i 005C&/\$. 5<1\$, L5 05
CB<5 i i NO5@&: +\$/\$0+W&5C&/\$. 5<1\$, L5/3' 5<91, &' %9 05
<d8C5 i VX05H/) #013&5+35<%* \$+, 5C&/\$. 5<9/, 0+, &5 05
=M\65 i Yi 05</0+&30(H\$+&305D%09+0+135B/3/: & 7&3055 05
5 5 <9/, 0+, %75 05

! , %, +);)%. &7\$- *#) #&@E&8*) (".#C&
<d8C5 i PP05B/3/: &9+/\$5A#) &, 0#51?5<%* \$+, 5C&/\$. 55 05
5 5 <9/, 0+, &55 05
CB<5 i Q005B/3/: & 7&3051?5C&/\$. 5H/9&5h9: /3+[/0+13#5 05

= \$- % (#&7\$- *#) #&@8: \$\$#) &\$%) C&
<d8C5 i V005<%* \$+, 5C&/\$. 5F1%3' #5 05
CB<5 i V005C&/\$. 5B/3/: & 7&305/3' 5<1\$, L5F1%3' #5 05

NW)8", 4&N. - (K&1\$* &GZ, ; #&@8: \$\$#) &\$%) C&
<d8C5 i Vi 05>) &, +/\$5>0%' L5?195\4/7 +3/0+13#5 05
CB<5 i Vi 05>) &, +/\$5>0%' L5?195\4/7#5 05

<O<2U&7=G/V<NT&JB&
!" J0,J* /0," J&30/JH/(H5&
>0%' &30#5 7%#05 7 /+30/+35/5, %7%\$/0+W&5_<A5 1?5Q"005
+35/\$\$59&] %&9&' 5: 9/' %/0&() 91?&##+13/\$5, 1%9#&#"55

5

**A83<7: &=B&) ?D6;! &. 786<. &2&A83<7: &
=B&3 = !; 86&W = : X&9 ? 86&97@ : 77&**

=F\$(F,\$G&
6. &5B/#0&951?5>1, +/\$5G19U;5H\$+3+, /\$5H13, &309/0+13:5
/3' 5B/#0&951?5<%* \$+, 5C&/\$. 5; <%* \$+, 5C&/\$. 5<9/, 0+, &5
H13, &309/0+13:5 +#5 /5 ' %/\$5 ' &: 9&&5)91: 9/75 +35 0. &5

H1\$\$&: &5?195<%* \$+, 5C&/\$. 5/3' 5>1, +/\$5K%#0+, &: 5! . . . 5
+#5/, , 9&' +0&' 5* L50. &5H1%3, +\$5135\ ' %, /0+135?195<%* \$+, 5
C&/\$. 5 6. +#5 +30&: 9/0&' 5)91: 9/75 9&] %&9
, 17) \$&0+1351?5 *10. 50. &5 B">"G"5/3' 5B"<"C"5' &: 9&&5
&9&] %&9& 7&30#55

8HE,55,"J&: \$L*,(\$E\$J05&

>0%' &30#5 7%#05 7&&05 0. &5 /' 7###+135 9&] %&9& 7&30#5
/3' 5 * &5 /' 7+00&' 5 +3015 *10. 5 ' &: 9&&5)91: 9/7#5
/, ,19'+3: 5 015 0. &5)91, &## 1?5 &/, . 5 1?5 0. &5
) /90+, +) /0+3: 5 /, /' & 7+, 5%3+0#5+35 19' &95015) %9#%&5/5
' %/\$5' &: 9&&5) 91: 9/7"5M3' +W+' %/\$#57/L5/)) \$L50150. &5
B"<"C"5 ' &: 9&&5)91: 9/75 ,13, %99&30\$L5 ! +0. 5
) \$+, /0+135 015 0. &5 >, . 11\$5 1?5 >1, +/\$5 G19U5 195
?1\$! +3: 50. &+95/' 7###+1350150. &5 >, . 11\$5 1?5 >1, +/\$5
G19Us5 . 1! &W&9;5 /' 7###+135 015 0. &5 ' %/\$5 ' &: 9&&5
) 91: 9/75+#5, 130+3: &305%) 135/' 7###+135015 *10. 50. &5
B"<"C"5/3' 50. &5 B">"G"5' &: 9&&5) 91: 9/7#"

)("%(/E&: \$L*,(\$E\$J05&&

=> >-"*) (&7\$*) &7\$- *#) #&@E0&8*) (".#C&
8>C5 i 00058&. /W+19/\$5>, +&3, &5/3' 5<%* \$+, 5C&/\$. 5 05
8>65 i 0005<9+3, +) \$3?58+1#0/0+#0+, #5 05
\hC5 i 0005\3W+913 7&30/\$5/3' 5h, , %) /0+13/\$5C&/\$. 5 05
\<M5 i 0005<9+3, +) \$3?5\)+ ' & 7+1\$1: L5 05
<d8C5 i OP05B###+135/3' 5<9/, 0+, &51?5_ \$1*/\$5<%* \$+, 5C&/\$. 5 05
CH\5 i ON05\0. +, /\$5M##%+35<%* \$+, 5C&/\$. 5 05
8>=<5 i P005<%* \$+, 5C&/\$. 5/3' 5=##/#0&9#5 05
=M\65 i Q005H1 7 7%3+0L5D%09+0+135 05
=M\65 i Y005D%09+0+135\ ' %, /0+135 05
CB<5 i 0005C&/\$. 5H/9&5h9: /3+[/0+135 05
CB<5 i i 005C&/\$. 5<1\$, L5 05
CB<5 i i NO5@&: +\$/\$0+W&5C&/\$. 5<1\$, L5/3' 5<91, &' %9 05
<d8C5 i VX05H/) #013&5+35<%* \$+, 5C&/\$. 5<9/, 0+, &5 05
=M\65 i Yi 05</0+&30(H\$+&305D%09+0+135B/3/: & 7&3055 05
5 5 <9/, 0+, %75 05

! , %, +);)%. &7\$- *#) #&@E&8*) (".#C&
<d8C5 i PP05B/3/: &9+/\$5A#) &, 0#51?5<%* \$+, 5C&/\$. 55 05
5 5 <9/, 0+, %75 05

\, 4-) #&] &G.: "8#&7\$- *#) #&@A&8*") (. #C&
 >GFa5 i Z005b/\$%/3' 5\0. +, #5 05
 >GFa5 i ZYV58&. /W+195H. /3: &5/3' 5\0. +, #5+35A))\$+&' 55
 5 5 8&. /W+195A3/\$L#+#5 05

=) #), *8: &!).. \$ (#&7\$- *#) #&@E&8*") (. #C&
 >GFa5 i Zj Z5F&#&/9, . 5B&0. 1' #5?195>1, +/\$5G19U55 05
 5 5 <9/, 0+, &5M5
 >GFa5 i Zjj 5F&#&/9, . 5B&0. 1' #5?195>1, +/\$5G19U55 05
 5 5 <9/, 0+, &5MM5

2(3, %8) (&X*, 8."8)&7\$%8) %.*, . "\$%&7\$- *#) #&@A&
 8*") (. #C&
 >GFa5 i Zj i 5h9: /3+[/0+13/\$5<91: 9/75<\$/33+3: 5 05
 >GFa5 i ZNP5H177%3+0L56. &19L5R5<9/, 0+, &55 05

7\$%8) %.*, . "\$%&X*, 8."8-; &@A&8*") (. #C&
 >GFa5 i j NO5H13, &309/0+135M30&: 9/0+W&5>&7+3/955 P5
 >GFa5 i j QN5H\$+3+, /\$5<9/, 0+, %75MM5 N5
 >GFa5 i j QQ5H\$+3+, /\$5<9/, 0+, %75MMM5 05

<O<2U&7=G/V<NT&HJ&

!" J0,J* /0," J&30/JH/(H5&
 >0%' &30#57%#057/+30/+35/5, %7%\$/0+W&5_<A51?5Q"005
 +35/\$\$59&] %+9&' 5: 9/' %/0&() 91?&##+13/\$5, 1%9#&#"55
 5

A83<7 :&=B&3 !;7> !7&

9 = ! < = : & = B &) . ; 6 = 3 =) . M & ; > &) ? D 6 ; ! &

. 7 8 6 < . & 3 < ? 9 ; 7 3 &

) (" % (/ E & . , % 1 # , % 1 0 5 &

6. & 5 < . " = " 5 + 3 5 < % * \$ + , 5 C & / \$ 0 . 5 # 0 % ' + & # 5) 9 1 W + ' & # 5 & 4) & 9 0 + # & 5 + 3 5 9 & # & / 9 , . 5 ' & # + : 3 ; 5 7 & 0 . 1 ' # 5 / 3 ' 5 ' + # # & 7 + 3 / 0 + 1 3 " 5 > 0 % ' & 3 0 # 5 : / + 3 5 / 5 # 1 \$ + ' 5 % 3 ' & 9 # 0 / 3 ' + 3 : 5 1 7 5) % * \$ + , 5 . & / \$ 0 . 5 # , + & 3 , & ; 5 + 3 , \$ % ' + 3 : 5 0 . & 5 ' + # 0 9 + * % 0 + 1 3 5 / 3 ' 5 ' & 0 & 9 7 + 3 / 3 0 # 5 1 7 5 . & / \$ 0 . 5 / 3 ' 5 ' + # & / # & 5 / , 9 1 # # 5) 1) % \$ / 0 + 1 3 # " 5 5

6. & 5 ? / , % \$ 0 L 5 % # & 5 / 3 5 /)) 9 & 3 0 + , & # . +) 5 7 1 ' & \$ 5 + 3 5 ! . . , . 5 # 0 % ' & 3 0 # 5 / 9 & 5) / + 9 & ' 5 ! + 0 . 5 / 5 ! 1 9 \$ ' - , \$ / # # 5 ? / , % \$ 0 L 5 7 & 7 * & 9 5 / # 5 7 & 3 0 1 9 5 ? 9 1 7 5 ' / L 5 1 3 & " 5 < . " = " 5 # 0 % ' & 3 0 # 5 ! 1 9 U 5 + 3 ' &) & 3 ' & 3 0 \$ L 5 / # 5 ! & \$ \$ 5 / # 5 , 1 \$ \$ / * 1 9 / 0 + W & \$ L 5 ! + 0 . 5 1 0 . & 9 5 # 0 % ' & 3 0 # 5 / 3 ' 5 ? / , % \$ 0 L 5 0 1 5 ? 1 9 : & 5 0 . & + 9 5 9 & # & / 9 , . 5) / 0 . ! / L " 5 = 1 , 0 1 9 / \$ 5 # 0 % ' & 3 0 # 5 / 9 & 5 & 4) & , 0 & ' 5 0 1 5) 9 1 ' % , & 5 . + : . -] % / \$ + 0 L 5 7 / 3 % # , 9 +) 0 # 5 5) / 9 0 + , +) / 0 & 5 + 3 5 2 1 % 9 3 / \$ 5 , \$ % * s 5 ! 1 9 U # - + 3 -) 9 1 : 9 & # # 5 # & 7 + 3 / 9 # s 5 / 3 ' 5 / , / ' & 7 + , 5 / 3 ' 5) 9 1 ? & # # + 1 3 / \$ 5) 9 1 : 9 / 7 7 + 3 : 5 1 % 0 # + ' & 5 1 7 5 0 . & 5 , \$ / # # 9 1 1 7 " 5 = 1 , 0 1 9 / \$ - # 0 % ' & 3 0 5 9 & # & / 9 , . 5 + # 5 # . 1 ! , / # & ' 5 / 0 5 0 . & 5 ?

)%*\$+,5. &/\$.5#0%' +#0/0&' 50. &L5?1%3' 5/521*5+35
0. &+95?+&\$' 5*&?19&5: 9/' %/0+13;5195! +0. +35#+457130. #5
1?5 :9/' %/0+13"5 5 _9/' %/0 :15 135 015 ! 19U5 /#5
/,/' &7+, #5 +35 %3+W&9#+0+ /3' 5 9&#&/9, . &9#5 +35
7&' +, /\$5 , &30&9#;5: 1W&937&30;5. &/\$.5 /: &3, + 195
, 177%3+0L-*/#&' 519:/3+[/0+13#"5

!"#\$%'()*+,\$-.*%/01"2-3#4"5(6&

789:;789<|

=)>-"*)(&7\$-*)#&MI&8*)(".#C&
8>=<5 i P005

%)&9W+#&'5 *L5 /35 &4)&9+&3,&'5 #1,+/\$5 ! 19U&9'5
>,+&3,&5 7/0.5 /3'5 .%7/3+0 ,1%9# /3'5
&&0,W?+\$51%050. &59&7/+3' &951?50. &5PNO5,9&' +0#5
9&] %+9&' 5?1950. &57/219"5

+3' +, /0195 1?5 0. &5 #0%' &30`#5 /*+\$+0L5 015 7&&05 0. &5
,/' &7+,59+: 19#51?5>/+305@1%+#5 d3+W&9#+0L5/3' 5/9&5

^5\W&9L5#1,+/\$5! 19U5#0%' &3059&,&+W)&9#13/\$+['&' ;5
13&-13-13&5#%) 1905?91 75/5?/, %\$0L57 &30195/3' 5
,/' &7+,5/' W+#19"5

^5 6. &5,%99+,%\$% 75/\$\$1! #5#0%' &30#5015&4)\$19&5/9&/#5
1?5+30&92. 91%:. 50. &5)912&,0#50. &L5)%9#%&5
/3' 5)9/,0+, %7"5

^5 6. 91%:. 5?+&\$' ! 19U5/3' 5#&9W+, &5&\$/93+3: 5#1,+/\$5
! 19U5#0%' &30#5: /+359&/-\$-! 19\$' 5! 19U5&4)&9+&3, &5
1%0#+ ' &50. &5,\$/#9117"5

B,\$#HG "(I&/JH& : \$5\$/(-1&=KK"(0* J,0,\$5&

E195 #0%' &30#5 +30&9�&' 5 +35 /5 : \$1*/\$5 &' % ,/0+13:5
0. &9&5/9&5/5! +' &5W/9+&0L51?5#0%' L5/*91/' 5)91: 9/7#;5
+3,\$%' +3: 5 /5 ,/7)%#5 \$1,/0&' 5 +35 B/' 9+' ;5 >)/+3"5
>0%' &30#5+350. #1,+/\$5! 19U57/2195,/35/\$#1&391\$\$5+35
/50! 1-! &&U5&4)&9+&30+/\$5,1%9#&5+35_. /3/;5 B&4+, 1;5
H%*/5195M3' +/;5! .+, .5?&/0%9, 13, &309/0&' 5#0%' L;5
\$&,0%9/3' 5+30&9/,0+13#5! +0. 50. &5)&1)\$&5 1?50. &5
9&#)&,0+W&5,1%309L"55

E9175 #0913:5 #&9W+,&-\$&/93+3:5 ,17)13&30#;5
#0%' &30#5&7*1' L50. &5d3+W&9#+0L`#5K&#%+057##+135*L5
%#+3:50. &5U31! \$&' : &50. &L5: /+35+350. &5,\$/#91175015
#&9W&5 10. &9#*5 M35 /' '+0+135 015 W1\$30&&95 ! 19U;5
#0%' &30#5,/35&4)\$19&5'+?&9&3050L)3?5#1,+/\$5! 19U5
! +0. 5 :%+' /3,&5 ?9175 #&/#13&' 5)91?&##+13/\$#5
0. 91%:. 5)/903&9#. +)#5! +0. 5 719&50. /35 Ni 05 #1,+/\$5
#&9W+, &5/ : &3, +/91%3' 50. &5>0"5@1%+#5/9&/"5

! /(\$\$(5&

>1,+/\$5! 19U5: 9/' %/0?9175>/+305@1%+#5 d3+W&9#+0L5
/\$#15\$11U5?19! /9' 5015,/9&&9#5+35/5! +' &5W/9+&0L5 1?5
#&00+3: #5 d">"5 @/*195 =&)/907&305)912&,0+13#5
+3' +, /0&5/5#0&/' L5' &7/3' 5+35#1,+/\$5! 19U521*#5+350. &5
L&/9#5/. &/' "5 B1#05#1,+/\$5! 19U&9#5#)&, +/\$+[&5+35/35
/9&/51?5)9/,0+, &5;+3,\$%' +3: 5*%053105\$+7+0&' 501f5

^5 H\$+3+, /\$5! 19U5
^5 H. +\$' 5! &\$?/9&5195?/7+\$L5#&9W+,
^5 B&30/\$5. &/\$. 5
^5 >,. 11\$#5
^5 <1\$+, L57/U+3: 5/3' 5/' W1, /, L5

8HE,55," J&: \$L*,(\$E \$J05&

9*)# : ; , %&
A\$\$5/))\$+, /0+13#5/9&50. 191%:. \$L59&W+&! &' 5! +0. 50. &5
. +: . ' &: 9&&51?5+3' +W+' %/\$5, /9&5/3' 5, 13#+ ' &9/0+135
015 /\$5 ,9&' &30+/\$#5 0. /05 /9&5 #%*7+00&' 5 >1\$+' 5
,/' &7+,5)&9?197/3, &5 +35 ,1\$\$&: &5)9&)/9/019L5
,1%9#&5! 19U5+#5/5)9+7/9L5, 13, &935+359&W+&! +3: 5/5
?9&#. 7/35/))\$+, /30`#5?+\$&"5 H1\$&&: &5/' 7##+1350
#,19&5 SAH65 195 >A6T5 /9&5 %&#&' 5 /#5 /35 /' '+0+13/\$5

\D_@5 PV005A' W5>09/0&: +3?5F. &019+, 5R5F&#&/9, . 5	05
\D_@5 NONO-NV005@+0&9/9L5>0%' +	05
\D_@5 Y00058%#3/3' 5<91?&##+13/\$5G9+0+3: 5	05
HB5 PN005<%*\$+, 5>)&/U+3: 5	05

R"#.\$*K&A&8*) (".#C&	
CM>65 PPP05195PPN05G19\$' 5C+#019L5	05
CM>65 NX005195NXPO5A7 &9+, /35C+#019L5	05

X: "4\$#\$W: K&] &<:)\$4\$+K&MB&8*) (".#C&	
<CM@5 POi O5M30915015<. +\$1#1) . Lf5>&\$5R5F&/ \$+0L5	05
<CM@5 NOi O5\0. +, #5	05
6C\h5 P00056. &1\$1: +, /\$5E1%3' /0+13#5	05
6C\h5 N4445 N0005\$&W&\$5195. +: . &956. &1\$1: L5, 1%9#&5	05

! , .:); , ."8#`N., ."8#&@E&8*) (".#C&	
>6A65 PP005M3091' %, 0+135015>0/0+0+, #5	05

!"\$%&'()*+,-./:01"2-3#4"5(6&

789:;789<|

%3' &9#0/3' +3:5 1?50. &5#1, +/\$5! 19U5)91?&##+13;50. &5
+##%2. /05#1, +/\$5! 19U5/' ' 9&##/3' 50. &5W/\$%
0. /05' 9+W&50. &5)91?&##+13"5>0%' &30#57%#05, 17)\$&0&5

!"\$%'()*+,\$-.*%/01"2-3#1&4 "%5(6&

789:;789<&

<O<2U&7=G/V<NT&EO&

>"JS!"*(5\$&:\$L*,\$E\$J05&

<&9#13#5#&&

) /, U&05! +0. 5/\$\$5/,, 17) /3L+3: 5' 1, % 7 & 30#5
^5 6h\E@5195<6\5A, /' & 7+, 5#, 19&5
^5 H. & , U50. &5\3: \$+#. 5<91?+, +&3, L5<1\$, L5) /: &5?195
#)&, +?+, 56h\E@5/3' 5<6\5#, 19&59&] %&9& 7&30#"5
>0%' & 30#57 /L5/\$# 15W+# +050. &5+30&93/0+13/\$5

)("/E&.,%1#,%105&

6. &5 B">"G"5 ' &:9&&5)9&)/9 #1,+/\$5 ! 19U5
)91?&##+13/\$#5?195! 19U5! +0.5W%\$3&9/*\$&5)1)%\$/0+13#5
?/,+3:5 .&/\$. ;5 #1,+/\$;5 /3'5 &,1317+,5 . /\$\$&3: &#"5
>1,+/\$5 ! 19U&9#5 /9&5 &'%,/0+13/\$\$L5)9&)/9&'5 015
)91W+' &5 #&9W+, +3,\$%' +3:5 0.&9/)L;5)1\$+,L5
/' W1,/,L;5 ,/#&5 7/3/: &7&30;5 :91%)5 ! 19U;5 ,9+##5
+30&9W&30+13;5 ,.+ '\$' 9&35 /3'5 ?/7+\$L5)9/,0+,&;5 /3'5
\$&/' &9#.+)5 ?195 313)91?+05 19:/3+[/0+13#"5 B">"G"

: 9/305)91)1#/\$"555

=> > - "*");)% .#&1\$* &V% .) *%, . "\$%, 4&N. - ()% .#&
 ^5 A5, 17) \$&0&' 5= &, \$/9/0+1351?5E+3/3, +/\$5>%)) 1905
)/, U&05! +0. 5/\$\$5/ , , 17) /3L+3: 5' 1, % 7 & 30#5
 ^5 6h\E@51?5VN5195. +: . &95195<6\5A, /' & 7+, 5#, 19&5
 ^5 H. &, U50. &5\3: \$+#. 5<91?+, +&3, L5<1\$, L5) /: &5?195
 #)&, +?+, 56h\E@5/3' 5<6\5#, 19&59&] %&9& 7 & 30#"5
 >0%' & 30#57/L5/\$#15W+#+050. &5+30&93/0+13/\$5
)91#)&, 0#;5/)) \$+, /30#5/3' 5#0%' & 30#5) /: &5?195
 719&5+3?197/0+135/* 1%05+30&93/0+13/\$5
 /)) \$+, /0+1359&] %&9& 7 & 30#"5

2WW4"8, . "\$%&/), (4"%)#&
 E/\$\$5>& 7 & #0&9f5<9+19+0L5-5B/9, . 5P;5E+3/\$5' &/ ' \$+3&5-5
 K%\$L5Pi 5

>)9+3: 5>& 7 & #0&9f5<9+19+0L5-5h, 0"5P;5E+3/\$5' &/ ' \$+3&5-5
 = &, "5P5

=>)3")Y&X*\$8)##

7\$(%)%.*,. "\$%&X*, 8."8-; &@A&8*) (".#C&
 >GFa5 i j NN5H13, &309/0+135<9/, 0+, %75MM55 N5
 >GFa5 i j NQ5H13, &309/0+135<9/, 0+, %75MM55 Q5
 >GFa5 i j QO5A8A5M30&: 9/0+W&5>&7+3/955 P5

7\$(%)%.*,. "\$%&G4)8."3)#&@A&8*) (".#C&

!#,J,-/#&! "J-\$J0(/0,"J&

2(3,(%) (&X*, 8."8)&7\$(%)%.*,. "\$%&7\$- *#)#&@O&
 8*) (".#C&
 >GFa5 i ZQQ5A' W/3, &'5H\$+3+, /\$5>1, +/\$5G19U5<9/, 0+, &5 Q5
 >GFa5 i ZQY5C%7/358&. /W+195/3'50. &5>1, +/\$5\3W+9137&305
 5 5 </905MM5 Q5
 >GFa5 i ZXN5H\$+3+, /\$5=+/: 31#+#55 Q5

7\$(%)%.*,. "\$%&X*, 8."8-; &@A&8*) (".#C&
 >GFa5 i j NO5H13, &309/0+135M30&: 9/0+W&5>&7+3/955 P5
 >GFa5 i j YN5H\$+3+, /\$5<9/, 0+, %75MM55 N5
 >GFa5 i j YQ5H\$+3+, /\$5<9/, 0+, %75MM55 Q5

7\$(%)%.*,. "\$%&G4)8."3)#&@MB&8*) (".#C&

!"EE*J,0C&/JH&=(%/J,Z/0,"J&! "J-\$J0(/0,"J&

2(3,(%) (&X*, 8."8)&7\$(%)%.*,. "\$%&7\$- *#)#&@A&
 8*) (".#C&
 >GFa5 i Zj i 5h9: /3+[/0+13/\$5<91: 9/75<\$/33+3: 5 Q5
 >GFa5 i ZNP5H177%3+0L56. &19L5R5<9/, 0+, &55 Q5

7\$(%)%.*,. "\$%&X*, 8."8-; &@A&8*) (".#C&
 >GFa5 i j NO5H13, &309/0+135M30&: 9/0+W&5>&7+3/955 P5
 >GFa5 i j QN5H\$+3+, /\$5<9/, 0+, %75MM55 N5
 >GFa5 i j QQ5H\$+3+, /\$5<9/, 0+, %75MM55

>0%' &30#5 ! +\$\$5 3&&' 5 015 #) &/U5 ' +9&, 0\$L5 ! +0. 5 0. &5
>, . 11\$5 1?5@/! 59&:/9' +3:5, %99+, %\$\$759&] %+9&7 &30#5
?1950. &5K"="5/3' 5! . +, . 5B">"G"5, 1%9#?%\$?+\$50. &+95
K"="59&] %+9&7 &30#"55

6. &5 B">"G"5 ' &: 9&&5 9&] %+9&7 &30#5 ?195 K"="(B">"G"5
* &: +35 +35 0. &5 #&, 13' 5 L&/95 1?5 \$/! 5 #, . 11\$5 /3' 5 /9&5
0/U&350. 91%: . 1%050. &593?50. &57 /09+, %\$/0+1351W&95
0. &53&405Q5L&/9#"5

<O<2U&7=G/V<NT&I Q&

! " J0,J* /0," J&30/JH/(H5&

>0%' &30#5 7%#05 7/+30/+35/5, %7%\$/0+W&5_<A51?5Q"005
+35/\$\$59&] %+9&' 5: 9/' %/0&() 91?&##+13/\$5, 1%9#&#"55

5

A 83<7 : &=B&3 = !;86&W = : X&

)91: 9/75 /\$#15 , 9&/0 /35 1))190%3+0L5 ?195 , . %9 , . 5
7+3+#0&9#50151 *0/+35 , \$+3+ , /\$5)91?&##+13/\$5\$+ , &3#%9&5
/3' 5' &W&\$1)57+ , 915/3' 57 / , 915#U+\$#5?195 , 177%3+0L5
#&9W+ , &"56. &5 , 17 *+3/0+1351?50. &5B">"G"5' &: 9&&5/3' 5
0. &5B"A"<">"5' &: 9&&59&] %&9/57 +3+7%75010/\$51?5Zj 5
, 9&' +0#"5

8HE,55,"J&: \$L*,(\$E\$J05&

>0%' &30#5 7%#05 7&&05 0. &5 /' 7+##+135 9&] %&9&7 &30#5
/3' 5 * &5 /' 7+00&' 5 +3015 *10. 5 ' &: 9&&5)91: 9/7#5
/ , , 19' +3: 5 015 0. &5)91 , &## 1?5 &/ , . 5 1?5 0. &5
) /90+ , +) /0+3: 5 / , /' &7+ , 5%3+0#5+3519' &95015) %9#%&5/5
' %/\$5' &: 9&&5) 91: 9/7"5M3' +W+' %/\$#57/L5/))\$L50150. &5
B">"G"5 ' &: 9&&5)91: 9/75 , 13 , %99&30\$L5 ! +0. 5 0. &5
B"A"<">"5' &: 9&&5) 91: 9/75/05A] %&3/#5M3#0+0%0&"5

)("%/E&: \$L*,(\$E\$J05&&

6)%)* , 4"#. &9\$ - % (, . "\$%&7\$ - *#) #&@MH&8*) (" . #C&
>GFa5 i ZON5>1 , +/\$5<1\$+ , L5 05
>GFa5 i Zi O5>1 , +/\$5G19U5<9/ , 0+ , &5! +0. 5M3' +W+' %/\$#;55
5 5 E/7 +\$&#;5/3' 5_91%)#5 05
>GFa5 i Zi P5>1 , +/\$5G19U5<9/ , 0+ , &5! +0. 5H177%3+07
5 5 /3' 5h9: /3+[/0+13#5 05
>GFa5 i ZNi 5C%7/358& . /W+195/3' 50. &5>1 , +/\$5\3W+9137 &305 05
>GFa5 i j PV5E1%3' /0+135M30&: 9/0+W&5>&7+3/95 P5

>GFa5 i ZXN5H\$+3+, /\$5=+/: 31#+#55 05

7\$(%8)%.*, ."\$%&X*, 8."8-; &@A&8*) (".#C&
>GFa5 i j NO5H13, &309/0+135M30&: 9/0+W&5>&7+3/955 P5
>GFa5 i j YN5H\$+3+, /\$5<9/, 0+, %75MM55 N5
>GFa5 i j YQ5H\$+3+, /\$5<9/, 0+, %75MM55 Q5

7\$(%8)%.*, ."\$%&G4) 8."3) #&@MB&8*) (".#C&
M35)\$/, &51?5PN5, 9&' +0#51?5#1, +/\$5! 19U5&\$&, 0+W&#;5' %/\$5
' &: 9&&5B"A"6. "(B">"G"5#0%' &30#50/U&5PN5, 9&' +0#51?5
0. &1\$1: L5, 1%9#&#"5

<O<2U&7=G/V<NT&I Q&

!" J0,J* /0," J&30/JH/(H5&
>0%' &30#57%#057/+30/+35/5, %7%\$/0+W&5_<A51?5Q"005
+35/\$\$59&] %+9&' 5: 9/' %/0&() 91?&##+13/\$5, 1%9#&#"55

5

**A83<7 : &=B&3 = !; 8&W = : X&2&A83<7 : &
=B&9;U;>;<M&0 ! => ! = : 9; 8&37A;> 8 : MR&
9?86&97@ : 77&**

=F\$(F,\$G&
6. &5B/#0&951?5>1, +/\$5G19U;5H\$+3+, /\$5/3' 5B/#0&951?5
=+W+3+0L5+#5/5' %/\$5' &: 9

B"<"A"5' &: 9&&5)91: 9/7"5

)("%/E&:\$L*,\$E\$J05&&

6)%)*,4"#.&9\$-%(,."\$%&7\$-*#)#&@MH&8*)(".#C&
 >GFa5 i ZON5>1,+/\$5<1\$,L5 05
 >GFa5 i Zi O5>1,+/\$5G19U5<9/,0+,&5! +0.5M3'+W+'%/\$#:55 05
 5 5 E/7+&#;5/3'5_91%)#5 05
 >GFa5 i Zi P5>1,+/\$5G19U5<9/,0+,&5! +0.5H177%3+07 05
 5 5 /3'5h9:/3+[/0+13#5 05
 >GFa5 i ZNi5C%7/358&./W+195/3'50.&5>1,+/\$5\3W+9137&305 05
 >GFa5 i j PV5E1%3'/0+135M30&:9/0+W&5>7+3/95 P5
 >GFa5 i j YP5E1%3'/0+135<9/,0+,%75M55 N5
 <d8C5 i OP05B###+135/3'5<9/,0+,&51?5_\$1*/\$5<%*\$+,55 05
 5 5 C&/\$.5 05

2(3,%8)(&N\$8",4&X\$4"8K&7\$-*#)&@E&8*)(".#C&
 >GFa5 i ZOZ5<1\$,L5<9/,0+,&5?195>1,+/\$5K%#0+,&5 05

\,4-)#&] &G.: "8#&7\$-*#)#&@A&8*)(".#C&
 >GFa5 i Z005b/\$%/3'5\0.+,#5 05
 >GFa5 i ZYV58&./W+195H./3:&5/3'5\0.+,#5+35A))\$+&'55 05
 5 5 8&./W+195A3/\$L#+#5 05

5 5 8&. /W+195A3/\$L#+#5 05

=)#), *8: &!)..: \$(#&7\$- *#)#&@E&8*) (".#C&
>GFa5 i Zj Z5F&#&/9, .5B&0. 1' #5?195>1, +/\$5G19U55

5 5 <9/, 0+, &5M5 05

>GFa5 i Zjj 5F&#&/9, .5B&0. 1' #5?195>1, +/\$5G19U55
5 5 <9/, 0+, &5M5 05

2(3, %8) (&X*, 8."8)&7\$%8)%.*, ."\$%&7\$- *#)#&@A&
8*) (".#C&

>GFa5 i Zj i 5h9: /3+[/0+13/\$5<91: 9/75<\$/33+3: 5 05

>GFa5 i ZNP5H177%3+0L56. &19L5R5<9/, 0+, &55 05

7\$%8)%.*, ."\$%&X*, 8."8-; &@A&8*) (".#C&

>GFa5 i j N05H13, &309/0+135M30&: 9/0+W&5>7+3/955 P5

>GFa5 i j QN5H\$+3+, /\$5<9/, 0+, %75MM55 N5

>GFa5 i j QQ5H\$+3+, /\$5<9/, 0+, %75MM55 05

<O<2U&7=G/V<NT&OJ&

! "J0,J* /0," J&30/JH/(H5&

>0%' &30#57%#057 /+30/+35/5, %7%\$/0+W&5_<A51?5Q"005

+35/\$\$59&] %9&' 5: 9/' %/0&() 91?&##+13/\$5, 1%9#&#"55

5

A83<7: &=B&3! ;7>! 7&=B&? : D8>&

)68>>;>@&8>9&97U76=) A7><&

)("%(/E&., %1#, %105&

>@d`#5 %9*/35) \$/33+3: 5 /3' 5' &W&\$1) 7&305) 91: 9/75
0&/, . #0%' &30#50. &5&##&30+/\$5U31! \$&' : &;5#U+\$\$#;5
/3' 5W/\$%, &309/\$50150. &5) \$/33+3: 5) 91?&##+13"5

>@d`#5 +30&9' +#, +) \$+3/9L5 %9*/35) \$/33+3: 5) 91: 9/75
1)&9/0 +35 , 132%3, 0+135 ! +0.5 >/+305 @1%+#5
d3+W&9#+0Lp#5F+, . /9' 5A"5H. /+?&0[5>, . 11\$51?58%#3&##;5
>, . 11\$51?5@/! 5/3' 5>, . 11\$51?5>1, +/\$5G19U50151??&95
?1%95/9&/#51?5#) &, +/\$+[/0+13f5

^5 F&/\$5�/0&5' &W&\$1) 7&305

^5 H177%3+0L5' &W&\$1) 7&305

^5 \, 1317+, 5' &W&\$1) 7&305

^5 \3W+9137&30/\$(%#0/+3/*+\$+0L5) \$/33+3: 5

M30+7/0&5 , \$/## &7) . /#+[&5 #U+\$\$5 *%+\$' +3: ;5
' +#, %##+135 /3' 5' ' &*/0&"5 6. &5 , %99+, %\$%7p#5
) 91?&##+13/\$5 ?1, %5 /\$\$1! #5 L1%5 015 ' &W&\$1) 5 0. &5
U31! \$&' : &5/3' 5#U+\$\$#5L1%53&&' 5015* &, 17&5/5\$&/' &95
+35#%)) 190+3: 5%9*/35: 91! 0. 5/3' 59&W+0/\$+[/0+13"5

^5 M30&9W+&! 5S1)0+13/\$T5

^5 <91?&##+13/\$5: 1/\$5#0/0& 7&305

=>-"*);)%.#&1\$*&V%.)*%, ."\$%, 4&N. - ()%.#&

^5 A5, 17)\$&0&'5=&,\$/9/0+1351?5E+3/3,+/\$5>%) 1905

)/, U&05! +0.5/\$\$5/, , 17)/3L+3: 5' 1, %7&30#5

^5 6h\E@5195<6\5A, /' & 7+, 5#, 19&5

^5 H. &, U51%95\3: \$+#. 5<91?+, +&3, L5<1\$+, L5) /: &5?195

#)&, +?+, 56h\E@5/3' 5<6\5#, 19&59&] %&9& 7&30#"5n1%5

7/L5/\$#15W+#051%95+30&93/0+13/\$5) 91#) &, 0#;5

/))\$+, /30#5/3' 5#0%' &30#5) /: &5?1957 19&5

+3?197/0+135/*1%05+30&93/0+13/\$5/) \$+, /0+135

9&] %&9& 7&30#"5

^5 MD6h5>@d51??&9#50. &5</0. ! /L5<91: 9/75?195

+30&93/0+13/\$5#0%' &30#5! . 15/9&5+30&9�&' 50. +#5

, 1%9#&5*%05' 1531057 &&050. &5' +9&, 05&309L5

9&] %&9& 7&30#"5b+#05+301#0%' L", 17 (#\$\$() 91: 9/7#5

?195719&5+3?197/0+13"5

)("/E&:\$L*,\$E\$J05&&

=)>-"*)(&7\$-*#)#&d&U,Y&@E0&8*)(".#C&

@AG5 ZN05H1309/,0#5M55

Q5

@AG5 ZNP5H1309/,0#5MM55

N5

@AG5 ZY056190#55

Y5

@AG5

^5 69/3#, 9+)0\$#T5
 ^5 6. 9&&5, 13?+' &30+/\$5&00&9#51?59&, 177&3' /0+135
 ^5 _F\5#, 19
 ^5 Fr#%7r5
 ^5 M30&9W+&! 5
 ^5 >0/0&7&3051?5) %9) 1#&5S0! 1-0. 9&&5) /: &#;5#+3: \$&-
 #) /, &T5' &0/+5+3: 59&#&/9, . 5+30&9�#;5, /9&&95: 1/\$#5
 /3' 5?+05! +0. 5, %99&305?/, %\$0L59&#&/9, . "5
 ^5 G9+0+3: 5#/7) \$&5#%, . 5/#5/5) %*\$+#. &' 5/90+, \$&;5
 , 1%9#&5) /) &9;5/: &3, L50&, . 3+, /\$59&) 1905195/5
 : 9/305)91) 1#/\$"555

>0%' &30#5, /35 /)) \$L5?195 /5?%\$5 195) /90+/\$5: 9/' %/0&5
 /##+0/30#. +)5 ! +0. 5 0. &5 >, . 11\$5 1?5 >1, +/\$5 G19U"5
 A)) \$+, /0+13#5/9&5/, , &)0&' 5h, 0"5P-B /9, . 5P"5
 E195719&5+3?197/0+13;5W+#+050. &5#0%' &305?+3/3, +/\$5

=) > - "*" ;) % . # & 1 \$ * & V % .) * % , . " \$ % , 4 & N . - () % . # &
 ^5 A5, 17) \$&0&' 5 = &, \$/9/0+1351?5E+3/3, +/\$5>%) 1905
) /, U&05! +0. 5/\$5/, , 17) /3L+3: 5' 1, %7&30#5
 ^5 6h\E@51?5VN5195. +: . &95195<6\5A, /' &7+, 5#, 19&5
 ^5 H. &, U50. &5\3: \$+#. 5<91?+, +&3, L5<1\$+, L5) /: &5?195
 #) &, +?+, 56h\E@5/3' 5<6\5#, 19&59&] %&9&7&30#"5
 >0%' &30#57/L5/\$#15W+#+050. &5+30&93/0+13/\$5
)91#) &, 0#;5/) \$+, /30#5/3' 5#0%' &30#5) /: &5?195
 719&5+3?197/0+135/*1%05+30&93/0+13/\$5
 /) \$+, /0+1359&] %&9&7&30#"5

2WW4"8, . "\$%&/), (4"%)#&
 K/3%/9L5Pi "5

=)3")Y&X*\$8)##&
 6. &5 /' 7+##+13#5 , 177+00&&5 , 13#+ ' &9#5 #&W&9/\$5
 ?/, 019#5 015 ' &0&97+3&5 &\$+: +*+\$+0Lf5 /, /' &7+, 5
 /, . +&W&7&30;5 #09&3: 0. 5 1?5 0. &5 %3' &9: 9/' %/0&5
)91: 9/7;5 /) \$+, /0+135 +3?197/0+13;5) &9#13/\$5
 #0/0&7&30;5! 19U5&4) &9+&3, &;5/3L5: 9/' %/0&5' &: 9&
 &/93&' ;5 710+W/0+13;5 \$&/ ' &9#. +)5 /3' 5 #&9W+, &"5 6. &5
 %3' &9: 9/' %/0&5_<A5#5! &+: . 0&' 5! +0. 510. &95, 9+0&9+5
 +350. &5/' 7+##+13#5)91, &##"5

3-1"#/(51,K5&/JH&B,J/J-,/#8,H&

6. &5 H1\$\$&: &5?195 <%*\$+, 5 C&/\$. 5 /3' 5 >1, +/\$5 K%#0+, &5
 1??&9#5 #&W&9/\$5 ! /L#5 015 . &\$)5 ?+3/3, &5: 9/' %/0&5
 &' %, /0+13"5h) 190%3+0+3, %' &5/5\$+7+0&' 53%7* &95
 1?5 7&9+0-*/#&' 5 #, . 1\$/9#. +)#;5 : 9/' %/0&5 9&#&/9, . 5
 /##+0/30#. +)#5/3' 5) /90-0+7&521*#"55

9)44\$Y#: "W#&
 D&! \$L5/, , &)0&' 5#0%' &30#5/3' 5#0%' &30#5+350. &5?+9#05
 L&/95 1?5 /5) 91: 9/75 /9&5 &\$+: +*\$&5 015 /)) \$L5?195 0. &5
 =+W&9#+0L;5=+##&90/0+135/3' 5<9&#+ ' &30+/\$5%3+W&9#+0L-
 ?%3' &' 5 ?&\$! #. +)#"5 >0%' &30#5 7%#05 /)) \$L5 015 * &5
 317+3/0&' 5*L50. &5>, . 11\$51?5>1, +/\$5G19U5*L5K/3%/9L5
 Pi "5

h0. &95%3+W&9#+0L5#, . 1\$/9#. +)#50. /05' 1531059&] %&9&5
 317+3/0+135 *L5 /5 ' &)/907&30(#, . 11\$5 /9&5 /\$#15
 /W+\$/*\$&"55

6*, (-, .) &2##"#. , % . #: "W#&

6. &5 /' 7+##+13#5 , 119' +3/0195 , 13#+&9#5 #&W&9/\$5
?/, 019#5 015 ' &0&97+3&5 &\$+: +*+\$+0Lf5 /, /' &7+, 5
/, . +&W&7&30;5 #09&3: 0.5 1?5 0. &5 %3' &9: 9/' %/0&5
)91: 9/7;5 /))\$+, /0+135 +3?197/0+13;5)&9#13/\$5
#0/0&7&30;5! 19U5&4)&9+&3, &;5/3L5: 9/' %/0&5' &: 9&
&/93&' ;5 710+W/0+13;5 \$&/' &9#. +)5 /3' 5 #&9W+, &"5 6. &5
%3' &9: 9/' %/0&5_<A5+#5! &+: . 0&' 5! +0. 510. &95, 9+0&9+/5
+350. &5/' 7+##+13#5)91, &##"5

3-1"/(51,K5&/JH&B,J/J-,/#&8,H&

6. &5 H1\$\$&: &5?195 <%*\$+, 5 C&/0. 5 /3' 5 >1, +/\$5 K%#0+, &5
1??&9#5 #&W&9/\$5 ! /L#5 015 . &\$)5 ?+3/3, &5 : 9/' %/0&5
&' %, /0+13"5h)) 190%3+0+3, \$%' &5/5\$+7+0&' 53%7* &95
1?5 7&9+0-