

&. , B#. &(&. *(+1%#2**3*\$&(92*&&-(3'0+(%\$+(&. *(+1CB11', \$(8*2-(C'8'0A(=9*%E'\$#(:, 2(&. *(1C'*\$&'1&1("N8*(
, <1*28*+@9%11', \$1(C%\$(2B\$(. '#. ('\$([\ I (1*11', \$1(%:&*2(1*3'\$%21A(P, 2(&. *(3, 1&(9%2&&@&. '1('1(\$, &(YB1&(
\$, 23%0@&'1(*G9*C&*+A(

"\$(%1*9%2%&*('\$C'+*\$&@, \$*(, :(3-(B\$+*2#2%+B%&*1(2*9, 2&*+(<*\$#(1B292'1*+(&. %&@!&. *2*(%2*(3%\$-(&, 9'C1(
'\$(&. *(:*0+(, :(1C'*\$C*(&. %&(%2*(\$, &(%#2**+(, \$A>=(C'*\$C*(. %+(%06%-1(<*\$(\$&B#. &(&, (. '3%1%(C, 00*C&', \$(, :(
&. *, 2*1(&. %&(6*2*(!&. *(, \$0-(&. *, 2*1@(%\$+(&. %&(&. *1*(6*2*(!&. *(2'#. &(&. *, 2*1A>

5. *(1#)-. \$%'*(-2(3\$4#*)(!56%&"\$. (2*C*\$&0-(%1E*+(6. -(6*(*G9*C&(1&B+*\$&1(&, (&. '\$E(C2'&'C%00-@<B&(2*(1, (
2*0BC&%%\$&(&, (*\$#%#*('\$('\$&*00*C&B%0(<%&&0*1(%3, \$#(, B21*08*1A](T. *2*(+, *1(&. '1(B\$62'&&*\$\$(2B0*(&, (%8, '(+
9B<0'C(+1%#2**3*\$&1(C, 3*(:2, 30(W, 6(%2*(1&B+*\$&1(1B99, 1*+(&, (+*8*0, 9(&. *(1E'001(&. *-(\$**+(6'&. , B&(
3, +*01(%\$+(6'&. , B&(92%C&'C*O(P, 2(+1CB11', \$(C0%11*1@&. *(0BGB2-(1, 0B&', \$('1(%(&*%3?&B#. &(C0%11(6. *2*(

%(2*19'&*(:2, 3(&. *(%C%+*3'C(%C&', \$(%\$+(#*&&, (E\$, 6(3*(0'&&0*(<'&<*&&*2@%\$+("#*&(%\$(, 99, 2&B\$&'&-(&, (0*%2\$(%<, B&(3-(1&B+*\$&1N('\$&*2*1&1@C, \$C*2\$1@%\$+(%&&&B+*1(, B&1'+*(, :(3-(!\$, 23%0>(C0%11A(T '&. , B&(:%'0@%:&*2((% 76-5'\$/'":(3-(1&B+*\$&1(%2*(%(<'&(3, 2*(*\$*2# 'L*+@ %\$+(*8*\$ (3, 2*(C, 3:, 2&%<0*(6'&. (C0%11(+ '1CB11', \$1A(

(

!#\$%&'%\$() *+##, #-('\$%(7'8*21*(g\$'8*21&->(

D%&&. *6(D%\$C'\$@). A7A@)2, :*11, 2(%\$+(/. %'2@I 3*2'C%\$(=B+'*1(

h(Zi /Z;)5(h((

56, (*0*3*\$&1(, :(&2%+'&', \$%0J*1B'&(C0%112, , 3(92%C&'C*(&. %&%2*(. '#. 0-(*:*C&'8*(%\$+(%2*(<%1*+(, \$(&. *(; &"\$-(92'\$C'90*(, :(&. *(+'#\$'&-(&, :(&. *(1&B+*\$&'\$C0B+*(%(*8*0, 93*\$&%00-(#2%+*(+3%1&*2-(, :(%1B<V*C&(%\$+(2*9*&'&', \$(&, :(&. *(3%&*2%0A(I 1(&, (&. *(:'21&@1, 3*(1C. , 0%21(1BC. (%1(, ; \$%0+(D, +2%1@92, :*11, 2(*3*2'&B1(, :(5. *, 0, #'C%0(=B+'*1(%&(=_g@C2*+'&(&. *(; &"\$-(6'&. (. %8'\$#(1&%<0'1. *+(&. *(:%3'0%2(1-1&*3(, :(+'BC%&'\$#(9B9'01(&. 2, B#. (%1-1&*3(, :(#2%+*14(:'21&(#2%+*@1*C, \$+(#2%+*@%\$+(1, (, \$(&. 2, B#. ('#. (1C. , , 0A("0*8*(('&(&, (&. *(19*C%'0'1&1(&, (%2#B*(&. %&(19*C':C(9, '\$&@<B&(&. *(%20-(J*1B'&1(+'+(%&&*\$(C0, 1*0-(&, (&. *(5*9*'-' , <*. "&'%19*C&(, :(&.*%C. '\$#A(5. *(1%3*(92'\$C'90*(C%\$(<*(%990'+(&, (%1'\$#0*(C, B21*@%\$+("#. %8*(, B\$+'&(8%0B%<0*('\$&*231(, :(1&B+*\$&(%C. '*8*3*\$&(&, (*1&%<0'1. (C, B21*6, 2E(&. %&(<B'0+1(0, #'C%00-(:2, 3(, \$*(1*&(&, :(1E'001(%\$+(C, \$&*\$(&(&, (&. *(\$*G&A("&'1(%3%&&*2(, :(<B'0+'\$#(, \$(6. %&(C%3*(<*: , 2*@2%&. *2(&. %\$(1&2'\$#'\$#(&, #*&. *2(%1*2*1(, :('\$+*9*\$+*\$&(1B<V*C&1M:'21&(&, 9'C(I @&. *\$(F@/@%\$+(1, (:, 2&. A("\$(&. '1(%992, %C. @&. *(6, 2E(1&B+*\$&1(%CC, 390'1. ('\$(&. *(3'++0*(, :(&. *(1*3*1&*2'1(6, 2E(&. *- (C, B0+(\$, &(. %8*(B\$+*2&%E*\$(%&(&. *(, B&1*&(&, :(&. *(C, B21*A(

=*C, \$+0-@2*9*&'&', \$('1(%(E*-(&, (&. *(3%1&*2-(, :(3%&*2%0(2*HB'2*+('\$(%1&*9?6'1*(, 2(+*8*0, 93*\$&%0(%992, %C. (&, (&. *(1B<V*C&A("\$(%2*C*\$&(1*3'\$%2@3-(1&B+*\$&1(+*3, \$1&2%&+('\$, \$*(C0%11(1*11', \$%(1, 0'+(#2%19(, :(%9%2&'CB0%2(&*G&@<-(F%20(D%2GA("&(6%1(1B292'1'\$#(0, 2(9*2. %91(\$, &R(&, (&. *\$(, <1*28*(&. , 1*(1%3*(1&B+*\$&1(&. *(, 00, 6'\$#(6**E(6. *\$("%1E*+(&. *3(&. *(&'&0*(, :(&. *(6, 2E@&. *(+%&*(, :(9B<0'C%&', \$@&. *(+%&*1(, :(D%2G@%\$+(1, (, \$A(5. *(C, B0+(\$, &(%\$16*2(&. *(HB*1&', \$1A("&(6%1(, \$0-(<-(2*&B2'\$#(&, (&. *(19*C':C(

'\$:, 23%&', \$(%\$+(. %8'\$#(&. * 3(0'&*2%00-(2*9*%&'&(&. %&(&. *'2(B\$+*21&%\$+'\$#(2*%C. *+(%9, '\$&(:(%+*HB%C-A(

I 1(&, (& *(:'21&@1, 3*(1C. , 0%21(1BC. (%1(; , \$%0+(D, +2%1@92, :*11, 2(* 3*2'B1(, :(5. *, 0, #'C%0(=B+'*1(%&(_g@
C2*+'&(& *(: &"\$-(6'&. (. %8'\$#(*1&%<0'1. *+(& *(:%3'0%2(1-1&*3(, :(*+BC%&'\$#(9B9'01(&. 2, B#. (%(1-1&*3(, :(
#2%+*14(:'21&(#2%+*@1*C, \$+(#2%+*@%\$+(1, (, \$(&. 2, B#. (. '#. (1C. , , 0A"(0*%8*('&(& (& *(19*C'0'1&1(&, (%2#B*(&. %&(
19*C':C(9, '\$&@<B&(& *(*%20-(J*1B'&1(+'+(%&&*\$(C0, 1*0-(&, (& *(:

T*(6*2*(%<0*(&,'+*\$&':-(6.'C.(,:(, B2(&*&C.'\$#(3*&. , +1(6*(<*0'*8*(%2*("#\$%&'\$\$(%&&. '*2(C, 2*A(=, 3*(*G%390*1(:, 00, 64(

- T*(2*HB'2*(1&B+*\$&1(&, (2*:0*C&(\$&. *2(92%C&C%0(*G9*2*\$C*1A(T*(%1E(1&B+*\$&1(&, (62'&*(#B'+*+(2*:0*C&', \$1(&. %&(. *09(&. *3(1**(. , 6(&. *-(%2*(+*8*0, 9'\$#(C, 39*&\$C*1(%1(&. *-(%C. '*8*(&. *(0*%2\$'\$#(#, %01(1*&'\$(&. *(< *#'\$\$\$'\$(, :(%\$%11'#3*\$&A(
- T*(92, 8'+*(&'3*0-(%\$+(&. , 2, B#. (:**+<%CE(, \$(C, B21*(%11'#3*\$&1A(KB2(9, 0'C-(02*:0*C&+'\$(&, B2(C, 33, \$(1-00%<B1R('\$+'C%&*1(, B2(C, 33'&3*\$&(&, (&'3*0-(:**+<%CEA((I++&', \$%00-@, B2(1&B+*\$&1(0*%8*(&. *(=)W(6'&. (%1&2, \$#(%<'0'&-(&, (62'&*(9%9*21@<2*:1@%\$+(&, &. *2(3%&*2%01(%992, 92%'&*(, 2(&. *2(6, 2E(<*CB1*(3, 1&(C0%11*1(2*HB'2*(62'&*&\$(%11'#3*\$&1@ I V7(6*(92, 8'+*(*G&\$1'8*(::**+<%CEA(
- T*(%2*(%8%'0%<0*(&, (1&B+*\$&1A(5. *(=)W('1(%\$(, 9*\$(%\$+(6*0C, 3'\$#(*\$8'2, \$3*\$&A(D, 1&(:%CB0&- (3%\$&%'\$(%\$(, 9*\$\$(+, , 2(9, 0'C-(6'&. (, B2(#2%+B%&*(1&B+*\$&1S('&'1(\$, &(B\$B1B%0(&, (6%0E(&. 2, B#. (, B2(. %001(%\$+(1**(:%CB0&-(%\$+(1&B+*\$&1(+1CB11'\$#(%2*1*2C. (92, Y*C&(, 2(%11'#3*\$&A((

I\$(*G%390*(:2, 3(3-(6, 2E('1(+*3, \$1&2%&'\$#(. , 6(2%C'13(90%-1%(2, 0*('\$(. *%0&. (+19%2'&'*1A("B1*(%:'03@! I (J*6*0('\$5'3*!@&. %&(9, 2&2%-1(&. *(9, 0'&'C%0(+*&*23'\$%\$&1(, :(&. *(C0, 1B2*(, :(W, 3*2(j A). '0'91(

6'1+, 3(\$**+*+(&, (C, \$HB*2(&. *(C. %00*\$#*1(&. *-(:%C*('\$(&. *(C, \$&*G&(:&. *'2(6, 20+A(F*:, 2*(&. '1(6, 2E1. , 9@
"(6%1(\$, &(:%3'0%2(6'&. (&. *(19*C':C1(, :("#\$%&'B1(, :(_ , -, 0%M1(%992, %C. (&, (&*%C. '\$#A((5. *(C2BC':G('\$(*%C. (
C0%112, , 3(. %+(<*\$\$(3-(1, 0*(2*3'\$+*2(, :(/. 2'1&M1(92*1*\$C*(&. *2*A((5. *(6, 2E1. , 9(1. , 6*+(3*('\$(%8*2-(
9*21, \$%0(6%-(&. %&(%&(&. *(C, 2*(, :(&. *("#\$%&'B1(9*+%, #-('1(&. *(1&%&*3*\$&!j , +(0, 8*1(-, BA>((I :&*2(&. *(
8%2', B1(92*1*\$&*21(B\$9%CE*+(&. '1(&2B&. ('\$(&. *(:2%3*6, 2E(, :('8*(92*\$C'90*1MC, \$&*G&@ 2*:0*C&', \$@
*G9*2*\$C*@C&', \$@%\$+(*8%0B%&', \$M'&(<*C%3*(C0*%2(&. %&(&. *(C, B21*("(6%1(%<, B&(&, (&*%C. (, \$(0*%+*21. '9(
&. *, 2-(%\$+(92%C&'C*(C, B0+(<*(, 2#%\$'L*+%\$+(1&2BC&B2*+%(2, B\$+(&. *1*(:'8*{&*\$*&1(, :(&. *("#\$%&'B1(6%-A((

5, (. *09(&. *(1&B+*\$&1(B\$+*21&%\$+(. , 6(*%C. (%19*C&(:&. *(C, B21*(:, 00, 6*+(&. *("#\$%&'B1(6%-@"+*8*0, 9*+(
&. *(%C2, \$-3(/A; AZAI A5AZA(Z%C. (0*&&*2(, :(&. *(%C2, \$-3(C, 33B\$'C%&*1(%(92*\$C'90*('\$("#\$%&'%\$(9*+%, #-@
6'&. (&. *(!5>(2*92*1*\$&'\$#(&. *(C2, 11A((/A; AZAI A5AZA(1**3*+(%992, 92'%&*(<*C%B1*(&. *(C0%112, , 3('1(%2'C. (
90%C*(:, 2(C2*%&'\$#(\$*6'+*%1(%\$+(:2*1. (1**+1(, :(E\$, 60*+*#*(:, 2(&*%C. *2(%\$+(1&B+*\$&(%0'E*@%\$+(%01, (%1(%(
2*:2*\$C*(&, (&. *(, \$0-(2*%0(C2*%&, 2@j , +A((5, 6%2+(&. '1(*\$+@"+*1#*\$*+(%1-00%<B1(&. %&('\$C, 29, 2%&*+(*%C. (
%19*C&(:, :("#\$%&'%\$(9*+%, #-A((5. *(1-00%<B1('\$C0B+*1(%1E'\$#(*%C. (1&B+*\$&(&, (1. %2*(. '1(, 2(. *2(#2*%&*1(&
0*%+*21. '9(*G9*2*\$C*1(QC, \$&*G&R@ 6**E0-(1*0:(%11*113*\$&1(%\$+(C, 22*19, \$+'\$#(2*:C&', \$(9%9*21(
02*:0*C&', \$R@%(9*21, \$%0(0*%+*21. '9(+*8*0, 93*\$&(90%\$(0*G9*2*\$C*R@6**E0-(C%1*(1&B+-(+'1CB11', \$(#2, B91(
0%C&', \$R@%\$+(6**E0-(HB'LL*1(, \$(&. *(%11#*\$*+(2*%+'\$#@%1(6*00%(3'+?1*3*1&*2('\$?C0%11(*8%0B%&', \$(<-(/5Z(
| , : (3-(0*%+*21. '9(%1(&. *(C0%11(&*%C. *2(Q*8%0B%&', \$RA((

5. *2*(6%1(. , 9*(6. *\$(6*(0*%2\$*+(<, B&(&. *(1&, 2-(, :(&A("#\$%&'B1(%\$+(. '1(0':*?C. %\$#'\$#(C, \$8%0*1C*\$C*('\$
)%2'1(&. %&(0*+(&, (&. *(J*1B'&(3'11', \$(, :(E\$, 60*+*#*(%\$+(*+BC%&', \$A(! T*(%00(1&%2&(:2, 3(%(90%C*(, :('\$, 2%\$C*A>((
"(C, B0+(2*0%&*(&, (&. '1(3*11%#*(:2, 3(=&A("#\$%&'B1(%\$+("(:*0&("\$**+*+*(%1'3'0%2(3'\$'?&2%\$1:, 23%&', \$A(((

T*(0*%2\$*+(<, B&(:'8*(&*&C. '\$#(92'\$C'90*1(%+%9&*+(:2, 3(=&A("#\$%&'B1N(=9'2'&B%0(ZG*2C'1*14((C, \$&*G&@
2*:0*C&', \$@*G9*2*\$C*@%C&', \$@%\$+(*8%0B%&', \$A(D%-(:%CB0&-(#B*1&1(1. %2*+(9*21, \$%0(&*&C. '\$#(1&2%&#'*1(
B1'\$#(&. *1*(92'\$C'90*1(%1(#B'+*0'\$*1A("\$*11*\$C*@&. *-(1. %2*+(&. **2(0, 8*(, :(&*&C. '\$#@%\$+(&. **2(19*C':C(
*G%390*1(92, 8*+(&, (3*(&. %&("(:, 00, 6(%(1'3'0%2(C, \$8'C&', \$(%\$+(3* &. , +A(("