!

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

!

* , , # + - - !	/ 01203 ! " 044565 !
! !	/ 704068 ! 9 5 : ; <2 = 532 !!
! !	# 766731 ! # ; 44 !% 00 = !> ? @ / !
! !	" A5123B2 ! # 744C ! - $!? D > EF !

!

) + % + . / 0 1 + !	GE@FH ! I I DJDFFK !
2 * 3 L !	GE@FH ! I I DJD ? @@ !
+ & * $ % !	AOMM = ; N1 O PN Q5RB !

!

+ , " ! *) $ 0 1 !	@KS ? J !

4$4%$0 5 # * . / 6'!

!

@Q) <B722C! " Q&QC! # 0MM = ; 3C! " Q (QC! ; 3R! # 042C! " Q ' Q!G@KSDHQ!! $!6535C! *A*C! ; MM5N2736!2A5!47M5!N8N45!M0 < = !5_ : <5115R!73!*P*
Q!X53527N1!@?@L!] IJ I I Q!G] !N72 ; 27031H!

DQ - ; 4 ; = 8C! - Q # QC!% ; A ; 7 = C!VQ) QC! # 0MM = ; 3C! " Q (QC! / ; 6R08 ; 3C! 9 QC! + b " 0330 <C! - Q / QC! ; 3R! - 7445 <C! `Q , Q!G@KS I HQ! $!M< ; = 51A7M2!
= B2 ; 2703! ; 2!2A5!cB3N2703!0M! ; 3!T (@!7315 <2703!Y72A73!4 ; Nd!<5120<51!PJ6 ; 4 ; N2017R ; 15! ; N27U728!U7 ; !M0 < = ; 2703!0M! ; 3! ; N27U5!
4 ; NdJT (@!MB1703! : <02573Q!`Q! - 04Q / 704Q!@S@L! I I @JI I I Q!G@?!N72 ; 27031H!

]Q # 0MM = ; 3C! " Q (Q! ; 3R! Z <76A2C! $ Q!G@KS I HQ! , B17031!0M!15N<525R! : <025731!20! ; 4W ; 4735! : A01 : A ; 2 ; 15L! $ 3! ; : : <0 ; NA!M0<!12BR8736!
: <02573!15N<52703Q!V<0NQ! . ; 24Q! $ N ; RQ! (N7Q! * ($!SDL! I @?FJI@@@Q!G] >] !N72 ; 27031H!

>Q # 0MM = ; 3C! " Q (QC! , 71A = ; 3C! e QC! ; 3R! Z <76A2C! $ Q!G@KSFHQ!! $ 4W ; 4735! : A01 : A ; 2 ; 15! ; 1! ; !2004!M0<! ; 3 ; 48171!0M! : <02573!15N<52703Q!T3!
VA01 : A ; 25! - 52 ; P0471 = ! ; 3R!%56B4 ; 2703!73!! - 7N00<6 ; 371 = 1C! $ Q!) 0<<7 ; 37JX0<737C! , QXQ!%02A = ; 3C! (Q! (74U5<C!! $ Q! Z <76A2C! ' Q!
e ; 674!5R1Q! : : Q!FSJSDQ!!G I !N72 ; 27031H!

IQ # 0MM = ; 3C! " Q (Q! ; 3R! Z 731203C! , Q!G@KSFHQ!! $!253J = 73B25! 9 . $! : <5 : ; <; 2703!M<0 = !85 ; 12!5MM7N753248!<545 ; 151! ; B2030 = 0B1!
: 4 ; 1 = 7R1!M0<!2<; 31M0 < = ; 2703!0M! ' 1NA5<7NA7 ; !N047Q!X535! IFL!DEFJDFDQ!G] CDES!N72 ; 27031H!

EQ # 0MM = ; 3C! " Q (Q! ; 3R! Z 731203C! , Q!G@KSKHQ! $!2<; 31N<7 : 2703 ; 448!<56B4 ; 25R!5_ : <511703!U5N20<!M0<!2A5!M711703!85 ; 12!
Q!X535!S>L!>F] J>FKQ!GSK!N72 ; 27031H!

FQ # 0MM = ; 3C! " Q (Q! ; 3R! Z 731203C! , Q!G@KK?HQ!T104 ; 2703! ; 3R!NA ; <; N25<7a ; 2703!0M! = B2 ; 321!N031272B27U5!M0<!5_ : <511703!0M!2A5!MP : @!
6535!0M! Q!X53527N1!@D>L!!S?FJS@EQ!!G@] F!N72 ; 27031H!

SQ # 0MM = ; 3C! " Q (Q! ; 3R! Z 731203C! , Q!!G@KK@HQ!X4BN015!<5 : <511703!0M!2<; 31N<7 : 2703!0M!2A5! *I*!
6535!0NNB<1!P8! ; !N $ - V!1763 ; 4736! : ; 2AY ; 8Q!X5351! ; 3R! 9 5U540 : = 532! IL! IE@JIF@Q!G@KS!N72 ; 27031H!

KQ + 227475C! (QC! " A5<30MMC! `QC! # ; 3376C! XQC! # 0MM = ; 3C! " Q (QC! ; 3R! ' <7W103C!%Q&Q!G@KK@HQ! $!M711703!85 ; 12!6535!53N0R736! ; ! : <02573!
Y72A!M5 ; 2B<51!0M! : <02573J28<01735! : A01 : A ; 2 ; 151Q!V<0NQ! . ; 24Q! $ N ; RQ! (N7Q! * ($!SSL!] > I I J] > I KQ!GE I !N72 ; 27031H!

@?Q + 227475C! (QC! " A5<30MMC! `QC! # ; 3376C! XQC! # 0MM = ; 3C! " Q (QC! ; 3R! ' <7W103C!%Q&Q!G@KKDHQ!!) A5!M711703!85 ; 12!65351! *1*'! ; 3R! *2*'!
53N0R5! : <02573!28<01735! : A01 : A ; 2 ; 151!2A ; 2!356 ; 27U548!<56B4 ; 25! = 720171Q!! - 04Q! " 544Q! / 704Q!@DL! I I F@JI I S?Q!!!GEE!N72 ; 27031H!

@@Q / 8<35C! (Q - Q! ; 3R! # 0MM = ; 3C! " Q (Q!G@KK] HQ!! (7_! !65351!53N0R5! ; !64BN015J73RBN5R! ; R5384 ; 25!N8N4 ; 15! ; N27U ; 2703! : ; 2AY ; 8!73!
2A5!M711703!85 ; 12! Q!! `Q!! " 544! (N7Q!@? I L!@?KIJ@@?? Q!G@?>!N72 ; 27031H!

@DQ $: 0473 ; <70C! ' QC! . 0N5<0C! - QC! `73C! - Q! ; 3R! # 0MM = ; 3C! " Q (Q!G@KK] HQ! " 403736! ; 3R! = ; 37 : B4 ; 2703!0M!2A5!
7 f !6535! ; 1! ; !35Y!1545N2 ; P45! = ; <W5<!M0<! = 045NB4 ; <!653527N!12BR751Q! " B<<Q!X5352Q!D>L!>K@J>KIQ!GS@!N72 ; 27031H!

@] Q . 0N5<0C! - QC!T11A7W7C!) QC! e ; = ; = 020C! - Q! ; 3R! # 0MM = ; 3! " Q (Q!G@KK>HQ!X4BN015!<5 : <511703!0M! *1* 2<; 31N<7 : 2703!73!
!71! : ; <27 ; 448!<56B4 ; 25R!P8! ; R5384 ; 25!N8N4 ; 15! ; N27U ; 2703!P8! ; !X! : <02573! ; !1BPB372!53N0R5R!P8!
*2/ 8*Q!!X53527N1!@] SL!] KJ> I Q!GFK!N72 ; 27031H!

@>Q `73C! - QC! , Bc72 ; C! - QC! " B4458C! / Q - QC! $: 0473 ; <70C! ' QC! e ; = ; = 020C! - QC! - ; B3R<544C! g QC! ; 3R! # 0MM = ; 3C! " Q (Q!!G@KK I HQ! *1*C! ; !A76A!
N0 : 8!3B = P5<!1B : : <5110<!0M!R5M5N21!73!2A5!N $ - VJR5 : 53R532! : <02573!W73 ; 15! : ; 2AY ; 8!73!M711703!85 ; 12C!53N0R51! ; ! : <02573!
A0 = 04060B1!20!2A5! ! ! (" # K!W73 ; 15Q!!X53527N1!@>?L!>IFJ>EFQ!G@?>!N72 ; 27031H!!

@IQ # 0MM = ; 3C! " Q (Q!G@KK I HQ!! V<5 : ; <; 2703!0M! e 5 ; 12! 9 . $ Q!73! " B<<532!V<020N041!73! - 045NB4 ; <! / 704068!! $ B1BP54C! , Q! - QC!%Q! / <532C!
%Q! ' Q! g 7361203C!! 9 Q! 9 Q! - 00<5C!`Q!XQ! ( 57R = ; 3C!`Q! $ Q! (= 72AC! ; 3R! g Q! (2<BA4!G5RQHQ!@KK I Q Z 7458!T325<1N753N5C! . 5Y! e 0<WQ! : ; 651!
@] Q@@Q@J!

D]Q) ;W;67C!)QC!"AOC!'QJ`QC!`;300C!%Q)QgQC!V040R38C![QC!);W;15C!eQC!g506AC!-QJ"QC!Z 00C!(QC!,<51N0J"0A53C!&Q9QC!#0MM=;3C!
"Q(Q!;3R!/B<;20Y1W7C!!(Q!GD??DHQ!97U5<6532!1BPB372!7325<;N27031!;=036!MB36;4!=%.$!IiJN;::736!=;NA735<751Q!'BW;<8027N!
"544!@L!>>SJ

>IQ #7<02;!gQC! - 7801A7!)QC!gB60B!gQC!#0MM=;3!"Q(QC!(A7P;2;!)QC!;3R!+A2;!gQ!GD??SHQ!(25:Y715!NA<0=;273!<5=0R54736!P8!;!N;1N;R5!0M!2<;31N<7:2703!73727;2703!0M!303JN0R736!%.$1Q!!.;2B<5!>IEL!@]?J@]>Q!!!!!!!!!!!!!G]@S!N72;27031H!

>EQ %0B_!$QC!$4;;=5<8! - QC!#0MM=;3!"Q(QC!"A;<2<;3R!VQC!,5<P58<5!XQC!;3R!%0W5;NA!&Q!GD??KHQ!!V<0J;6736!5MM5N21!0M!64BN015!1763;44736!2A<0B6A!;!X!:<02573JN0B:45R!64BN015!<5N5:20<!73!M711703!85;12!V401!X53527N1C!-;<jIG]HL5@???>?SQ!':BP!D??K!-;<!EQ!G@@@!N72;27031H!

>FQ $4;;=5<8! - Q$QC!Z8=;3!$Q%QC!TU58!,Q9QC!$44;73!"QC!95=7<P;1!9QC!Z;36!&QC!"58A;3!+Q!;3R!#0MM=;3!"Q(Q!GD?@?HQ!.5Y!N4;1151!0M!V9'F!73A7P720<1!7R5327M75R!P8!;!M711703!85;12JP;15R!#)(Q!`Q!/70=04Q!(N<553736!@IL]IKJEF!G]S!N72;27031H!

>SQ TU58!,Q9QC!);647;!,QkQC!e;36!,QC!&;3R5<!-Q-QC!g5448!9Q$Q!;3R!#0MM=;3!"Q(Q!GD?@?HQ!$N27U;25R!;445451!0M!2A5!
2!!X;!6535!7R5327M8!<517RB51!73U04U5R!73!X9VJX)V!5_NA;365Q!'BW;<8027N!"544!KL!EDEJ]]Q!G@]!N72;27031H!!

>KQ

!
!

"032<;N2!>D]>]KKJ!.;2703;4!T31272B251!0M!#5;42A!
! "A;<;N25<7a;2703!0M!N;3R7R;25!X.$(@!=0RB4;20<1!
9;251L!?KJ?@J@E!20!?IJ]?J@F!
oDIC!???!R7<5N2C!o]KC@DI!2O2;4!NO121!
!
"032<;N2!#I@?ES>@!J!.;2703;4!T31272B251!0M!#5;42A\.#&/T!
! (=;44!=045NB45!#)(1!M0<!$"!;3R!X.$(!73A7P720<1!
9;251L!?KJ@IJ@S!20!?KJ@>J@K!
oDEC]S@!R7<5N2C!o]]CD>@!!2O2;4!NO121!
!
.(,!$Y;<R!.B=P5<L@F>SK?E!G#0MM=;3!NOJVTH!
'$X'%L!(545N27U5!/70R;=;65!Y72A!(A;:5R!)#a!&76A2!,754R1!
9;251L!?@J@IJ@S!20!?SJ]@JD?!
o]??C???!2O2;4!NO121!!
!
+<:A;3!9715;15!"5325<!J!-9/%J@KJ@@DJ,9\-$(!
TR5327M7N;2703!;3R!NA;<;N25<7a;2703!0M!30U54!N544J:5<=5;P45C!1=;44!=045NB45!;R538484!N8N4;15!
73A7P720<1!M0<!MB2B<5!R5U540:=532!;1!R<B61!20!2<5;2!,9\-$(!
9;251L!?DJ?@J@K!20!?@J]@JD?!.0!NO12!5_2531703!20!?FJ]@JD?D?!
oESC@SI!2O2;4!NO121!
!
+<:A;3!9715;15!"5325<!J!-9/%JDDJ@?DJ,9-$(!
(2<BTJ5TjETQq0.@mBT-0.0019T@D8541101Tf(!)TjETQTQq0.24000.2418583.92cmBT-0.0018Tc460(!)TjETQTQq0.240006Qq0.24000.2(!)QqD58(V

D?@]J *37U5<1728!0M! Z 5125<3!+32;<70!/704068!(5=73;<J!]JSJ@]!
! (5U532A!T325<3;2703;4!,711703!e5;12! - 552736!G&03R03HJ!EJDIJ@]!
!)A7<R!T325<3;2703;4! Z 0<W1A0:!03!N$ - V!1763;4736C!V<02573!W73;15!$C!;3R!!
! :A01:A0R75125<;151L!M<0=!653527N1!20!MB3N2703!;3R!AB=;3!R715;151t!GV;<71HJ!FJ@DJ@]!
D?@IJ! 9;<2=0B2A!"044565!X57154!(NA004!0M! - 5R7N735J!>JD>J@I!
! '76A2A!T325<3;2703;4!,711703!e5;12! - 552736!Gg0P5C!`;:;3HJ!EJD>J@I!
! #B325<!"044565J!@@J?DJ@I!
D?@FJ!! .732A!T325<3;2703;4!,711703!e5;12! - 552736!G/;3MMC!";3;R;HJ!IJ@IJ@F!
!

`B370<!,;NB428!V<0=027031!"0==72255J!g;2A0475W5!*37U5<172572C!&5BU53C!/5467B=!
$4P5<2;!#5<72;65!,0B3R;2703!M0<!-5R7N;4!%515;<NA!
";3;R7;3!T31272B251!0M!#5;42A!%515;<NA!
-;<1R53!,B3RJ%08;4!(0N7528!0M!.5Y!d5;4;3R!
!

%5M5<55!=;3B1N<7:21!M0<!:<0M511703;4!c0B<3;41!

V<0NQ!.;24Q!$N;RQ!(N7!*($! ! X5351!;3R!95U540:=532! X53527N1! ! ! !
-045NB4;<!;3R!"544B4;<!/704068! ! -045NB4;<!-7N<0P704068! `0B<3;4!0M!"544!(N753N5!!
`0B<3;4!0M!/704067N;4!"A5=712<8! /7025NA37hB51! $::4Q!;3R!'3U7<Q!-7N<0P704068!
.BN457N!$N7R1!%515;<NA!! `0B<3;4!0M!/;N25<704068!!!!!!/700<6!l!-5R!"A5=!&5225<1!
";3;R7;3!`0B<3;4!0M!-7N<0P704068! X535! ,B36;4!X53527N1!;3R!/704068!
"B<<532!X53527N1! e5;12! -04Q!/704Q!0M!2A5!"544!
'BW;<8027N!"544! .;2B<5!-52A0R1! -7N<0P704068!
X5351!20!"5441! 97MM5<5327;2703!! V40(!+35!
V40(!X53527N1! "544B4;<!(763;44736