



0,187(6 2) 7+(0((7,1* 2) 6(1\$7(

- X Q H

7 K H P H H W L Q J Z D V R H Q Q D R R P 5 S \$ U W W D I Q V G % X P O Q L Q J

6(1\$7256

6 % D U J K L	6 + R G J V R Q	3 3 H G G O H
* % H O I U \	\$ + U \ P D N	7 3 H U F L Y D O 6 P L W K
\$ % R U F K H U W	/ - L D Q J	\$ 3 H U R
' % U R X	5 . H Q Q H G \	9 5 D G F O L I I H
6 % X U N H	. L U N Z R R G	\$ 5 D \
- & D S R Q H	* . R S S	* 5 H D G
(& K D P E H U O D L Q	. Z D Q	* 5 H] D L 5 D V K W L
\$ & K D Q W	' / D L U G	0 5 R E L Q V R Q
. & O D U N	/ / R J D Q	& 5 R X O V W R Q
. & R O H	- 0 D W W K H Z V	- 5 \ O H W W
5 & R O O L Q V	- 0 L F K D O V N L	9 6 F K Z H D Q
- & X F L X U H D Q	0 O L O G H	1 6 K X Y D
6 ' D W D U V % H U H	. O L O O H U	' 6 L P P R Q G V
, ' L & R L W R	/ O L O O H U	= 6 L Q H O
/) U H G H U N L Q J	2 1 D G O H U	9 6 P \ H
0 * D U D E H G L D Q	' 2 O W H D Q X	& 6 W H H Y H V
- * D U O D Q G	* 3 D U U D J D	6 7 U R V R Z
\$ * U J \ E	, 3 D X O	0 9 D Q G H Q E R V F K
- + D W F K	: 3 H D U V R Q	. < H X Q J

2 E V H U Y H U V . & D P S E D H G O X Q J D \$ & K H R O H U N V % Q - D O T U H E E R Q 0 D V V H \ - 0 F 0 X O O L Q * 2 V L Q V N L 0 3 U D W W 0 5 X G G R F N

/ D Q G \$ F N Q R H Z O H G W

9 6 \ H U H D G W K H / D Q J G I P \$ H F Q N Q R Z O H G

6

0,187(6 2) 7+(35(9,286 0((7,1*

7 K H P L Q X W H V R J I R S K U H L D H H W L Q Z H U H D S S U R Y H G D V F L U F X O D W H G

6

5(3257 2) 7+(35(6,.'(A7KLELW ,@

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

x \$ W L W V \$ S U L O P B H R W L * Q J Y H W J Q H R W % V R D S V S W R R C W W H S K D e Q t C b i n d u t
W R D O O R Z : H V W H U Q U F Q L V Y H H M X U W V G N E F F W I H R U Q R L Q V V R S I H F F L D I P S X V L Q V W
x : H V W H U Q / H D G H U V K L S U B S K B W H F V K D U G 6 D S S R L Q W H G D V : H V

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

x

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

7 K D W V W X G H Q W V H F G X U Q H M Q K H O S W I R Q J U R D O R E G I X D D O N C H R X Q Q W I W O R \$ J K J X V W X S R Q I X O I L O P H Q W R I W K H U H T X L U H P H Q W V D Q G

7 K D W H I I H F W L Y H 6 H S K M H P D E V H W H U R I \$ W W V F D Q G W Q X \$ G P L H H V E H G L V & \$ 5 5 , (' 8 Q D Q L P R X V & R Q V H Q W

6

6 F K R R O R I * U D G X D W H D Q G 3 R V W G R F W R W D Q G 6 W X Q I H V R G S H O N D V E Q V W F
, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H

7 K D W W K H 0 D V W H U \$ Q W \$ + U W W W R Q \$ \ E I Q U H D Q V D V P H U G R D V \$ I W M K \$ H U Q V \$ + L V W D Q G & X U D W R U L D O 6 W X G L H V H I I H F W L Y H 0 D \

& \$ 5 5 , (' 8 Q D Q L P R X V & R Q V H Q W

6 F K R R O R I * U D G X D W H D Q G 3 R V W G R F W R U D O O L G M O X G G L H Q W Q M W B G W F W 6 F L H Q F & L 6 F

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

6

6 F K X O L F K 6 F K R R O R I O M I G V W U Q H 5 H Y H Q L R Q W L W Q 5 W K T H K I S I G H P P N Q W V R I W
3 U R U D P

, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H

7 K D W W K H 0' 3 U R J U D / P \$ M T \$ X G P U L H V P V H L Q V L Q W K H 6 F K X O L F K 6

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

6 E 5 H Q D B I R Q D Q G 5 H Y L V L R Q V V 1 D W L R Q H 6 W X G L H V` O R G X O H V

, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H

7 K D W H I I H F W L Y H 6 H S W K R E + R U Q R U V 6 S H M R D D O I D Q Q / L O R Q R Q D L Q) L U
6 W X G L H V E H U H Q D P H G D V W K H + R Q R U V R S L H Q F L Q Q L J D H Q R R Q 6 0 / D X
7 K D W W K H U H T X L U H P H H Q W H B H Y A L K V H H Q R D G U X E Q K W R Z Q \$ L S Q S H [Q G L [

& \$ 5 5 , (' 8 Q D Q L P R X V & R Q V H Q W

6 % U H V F L D 8 Q & R I D D V H 5 W Q D P R I Q D Q G 5 H Y L V L R Q V J M R H Q R G O R D Q D H V

, W Z D V P R Y H G E V H F R D Q N G H G E \ 6 % X U N H

7 K D W H I I H F W L Y H 6 H S W K R E + R U Q R U V 6 S H M R D D O I D Q W L R Q H Q Q W E H U H
D V W K H + R Q R U V 6 S H R F R L Q Q D D O I D Q D W L H R P Q H Q Q / D D Q Q G O D U N H W L Q J

7 K D W W K H 6 S H F L D O L] D W L R Q L Q) R R G 0 D H Q F D L D H O P L H Q W L R Q W Q Q) D R P R
0 D Q D J H P H Q W D Q G 0 D U N H W L Q J D Q G

7 K D W W K H 0 D M R U L Q) R R G 0 D Q D J H P H Q W E H U H Q D P H G D V W K H
0 D U N H W L • 8 0

7 K D W W K H U H T X L U H P H H Q W H

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

& R O O H J H D Q G . L Q J P O I S Q H L Y R U V D W R X S U F W H D Y H W X I O P H I I D V V K
([KLELW 9 \$SSHQGL[

& \$55, ('

'U \$ \P D N S U R Y L G H G 6 H Q D W H Z L \$ W K L O I Q D J R V H R I Q S Q H Z R I W K H

6 5 H Y L V L R Q V W J D W W K H X E I D 3 U R I L F I R I Q \$ G P L V V L R Q ' 3 R O L F
, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H

7 K D W H I I H F W L Y H 6 H S W K R E H Q J O L V K / D I Q Q K D J R U 3 \$ Q P L F V L R Q ' 3 R
U H Y L V H G D V V K R Z Q L Q ([KLELW 9 \$SSHQGL[

& \$55, (' 8 Q D Q L P R X V & R Q V H Q W

6 5 H Y L V L R Q V W R W K H 3 & J R X R O H F V X P E R M U L V Q H V D Q G + R X U V R I \ Q V W U X F
, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H
7 K D W W K H 3 & R X U V H F 1 X P E W D U L Q R X D U R G H L V R X Q U W R J I X F W L R Q ' 3 R O L F
D V V K R Z Q L Q ([KLELW 9 \$SSHQGL[H I I H F W L Y H 6 H S W H P E H U
& \$55, (' 8 Q D Q L P R X V & R Q V H Q W

6 5 H Y L V L R Q V W R I W S K I O D & D H U G H J H , D Q W Q H L U Q Q V K L S V 3 Q & D F I B B M Q W V \ (W F ' 3 R O L F
, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H
7 K D W W K H & D H U G H H U D 5 I Q Q D Q W V, Q & R H U S Q W K 3 S M D F H (P W H F Q 3 R O L F \ E H U H
V K R Z Q L Q ([KLELW 9 I I \$ H F S W H Q G H L B H S W H P E H U
& \$55, (' 8 Q D Q L P R X V & R Q V H Q W

6 5 H Y L V L R Q V W R W K H 3 5 H J L V W U D W L R Q D Q B X 3 U R H D H V D / Q B Q + R Q R 7 U K U B H
3 R O L F Q G W K H 3 * U D G X D W L R Q 5 H T X L U H P H Q W V ' 3 R O L F
, W Z D V P R Y H G K E \ V - H F R D Q N G H G E \ 6 % X U N H
7 K D W W K H 3 5 H J L V W H W D W L R Q Q L D Q T G K B U R I J B B I Q G +) R Q R U A H B W R J U D P V
E H U H Y L V H G D V U Z
& \$55, ('

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

x 6 F K R O D U V K L S V D Q G \$ Z D U G V

5 (3 2 5 7 2) 7 + (6 (1 \$ 7 (& 2 0 0 , Z T 8 1 , 9 (5 6 , 7 < 3 / \$

6 H Q D W H 0 L Q X W H V
- X Q H

3 D J H

5(3257 2) 7+(81,9(56,7< 5(6(\$5&+>%[K\$ELW 9,, @

6 \$SSURYDO RI WKH ,QVWLWXWH IRU (DUWK DQG 6SDFH ([SORUDWLR
,W ZDV PRYHGREH- \&HDFRQGHG E\ \$ &KDQW
7KDW 6HQDWH DSSURYH \&RDRQPRQ GRWWRUDERWV KWDQW RI
,QVWLWXWH IRU (D\$ORKUDQGE RGSDFH HFWLYH -XO\
&\$55,('

6 5(3257 2) 7+(\$&\$'(0,& &2//(\$>8[(KLELW 9,,,@

((KLELW 9 5HSRUW RI WKH \$FDGHPLF &FDGHPLF ZDHW
LQ WKH UHSRUW
x \$FDGHPLF &ROOHDJXH 5HSRUW RQ WKH \$SULO OHHWLQJ
7KH \$FDGHPLF &ROOHDQHWSUZLYHIGIGRVDLOQVLRQH RWKH IROO
x 6H[XDO 9LROHQFH 6XUYH\
x 7XLWLRQ)HH)UDPOHZLQJND DQGHH *XLGHOLQHV
x &DPSXV)UHRIG(RSUHVVL RQ
x 3UJDP \$SSURYDOV

6 \$11281&(0(176 \$1' &20081,&\$7,216

6 H Q D W H 0 L Q X W H V

6HQDWH 0LQXWHV
-XQH

3 DJH

7 K H 3 U H V L G H Q W N Q I R Z U O M K H J H D S ' R U Q H & L F H W B U I H V I H Q H U E K X S R Q K L V G H S
3 U H V L G H Q W Q R W I K G Z / R S U H F L W I K F D D M O O U W & D S W & H M V K D H G U G R E B U F K S R U W I R
G X U L Q J K L V W H Q X U H X D U Q M G K A U V K X H G F K M H Q G Q D K Y L R / U I X W X U H

7 K H 8 Q L Y H U V L W \ 6 H A F K U D H W D W R P Q R W H M G K U D R W H K Z D V S O U R Q H I S G R H U G V I U R P W
% R D U G R I * R Y H I U Q D R M N R I Q I R Q O W R K H P & R Q V H Q W \$ J H Q G D

\$ 6HQDW RU DG YL V H Q6JH/QKD WGH LDFQD RDQW V\$ K H Q2GSDH U&R PPLWWHH
SODFHPHQW RI WKH%IRB\$JRGURM FURRYPH UNQRHMH H7 QIR V&R B PWWDW 6HQDW
UHSRUW WR 6HQDW B U G XRN WRKYDHU QNRKLUH V\$ RWHRV 6QHRQWD WHISRKH 2SHUDW
&RPPLWWHH PDGH WKHWGRH PIRVYLR Q KLO L W H Q D W W KDJQH QNKDI SDFNDJH Z
UHFRJQLHG DV D FRXUWHV\ UHSRUW DQG QRW D UHTXLUHPHQW

\$ 6 H Q D W R U UKHDW H6VMDHDDV RVU VH QMD NWR DD P RWKRZ G R Q JHU L E X W L R Q V R I -
9 LEH 3 U R Y R V W Q W WU R Q W D R Q D P H T R X E JAH Q V R R M R E R Q D Q L Q Z L V K L Q

\$ 6 H Q D W R U Q R W H G F D R A Q H F H R U G H R H D W I F K W H D W W H H G U Q V K D D Q M G L W W Z L O O E H L
W K H I Q F E P P D Q I V W U D W L R Q

\$ ' - 28510(17)

7KH PHHWLQJ DGMBXUQHG DW S P