

PTRL2010

6i g]bYgg`DfUWjVWg`]b`h\Y`DYhfc`Yi a`bXi gfm

HYfa`H\FYY`##`&\$&\$

GWcc`cZA`]bYfU`g/`9bYf[mF`Ygci`fWg`9b[]bYf]b[`##`I`BGK`9b[]bYf]b[



7 ci fgY`Cj Yfj]Yk

GhJZz7cbHJWk8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]m	@cWjhcb	D\cbY
M]b[`8U`K Ub[m]b[XU"k Ub[4 i bgk "YXi "Ui	C b`F Yei Ygh		

7ci fgY'8YHJ`g

7fYX]hDc]bhtg`*`

Gi a a UfmicZ\hY'7ci fgY

7ca a i b]WU]cb'g_]`g. '6UW[fci bX'fYgYUfW\ Zcf']bHfj]Yk g'UbX [i]XY]bYg'Zcf'WcbXi W\Xi f]b[]bHfj]Yk g" A YY]b['g_]`g" DfYdUf]b['k f]HfYb'fYdcfhtgža Ya cfUbXU'UbX'fYgi a Yg" C fU'dfYgYbH]cb'g_]`g'UbX'g]XY dfYdUfU]cb""9h.]WU']ggi Yg']b'dYfC`Yi a ']bXi ghfm"

6i g]bYgg'DfUW]Wg. '>c]bhJ Ybhi fYgždfcXi W]cb'g\Uf]b['WcbfUW]gž[Ug'WcbfUW]gžc]'UbX'[Ug'Wca dUbm g]fi W\ fYgž'hdYg'cZ]bHfYgž'UW]YU[Y'UbX'fYgYfj Yg'UW\i]g]hcbžZUfa]b[#ZUfa ci hgž'Wca dUbmUbbi U' fYdcfhtgž'Wca dUbmigdYW]U'fYdcfhtgž'fYgYfj Yg'fYdcf]b[ž'fY'U]hcbg'k]h\ ; cj Yfba Ybhtg'UbX'dUf]bYfg"

7ci fgY'5]a g

H\]g'Wci fgY'U]a g'hc`\\Y'd'g]i XYbhtg'!

% Hc]a dfcj Y'j YfVU'UbX'k f]HfYb'Vi g]bYgg'dfYgYbH]cb'UbX'Wca a i b]WU]cb'g_]`g"
&" Hc '[] Y'Ub'UddfYW]U]cb'cZc]'UbX'[Ug']bXi ghfmVi g]bYgg'dfUW]Wg"

7ci fgY'@YUfb]b['Ci hWca Yg

5Zf'gi W]Wggž`mWca d'Y]b['h.]g'Wci fgYž'mci 'g\ci 'X'VY'UV'Y'hc.

@YUfb]b['Ci hWca Y	95'GHU[Y%'7ca dYHbW]Yg
% DfYgYbHhYa gY'j Yg'UbX'Ub'Uf[i a Ybh]b'U'dfcZ]gg]cbU'UbX YZYW]j Y'a UbbYfž]b'dYfgcbž'cfU'mUbX']b'k f]h]b['i g]b['g]a d'Y Vi g]bYgg'9b[']g\	D9' "&žD9' "(žD9' ")
&" I bXYfghUbX'Vi g]bYgg'hYfa]bc'c[mUbX'dfUW]W]g'cZ\hY'c]' / '[Ug]bXi ghfm	D9%*
' " I bXYfghUbX'hY'Y'Ya Ybhtg'cZdYfC`Yi a 'Uk žc]'UbX'[Ug UW\ci bh]b['UbX'fYgYfj Yg'Ygh]a U]hcb	D9%)
(" I bXYfghUbX'hY'VUg]W]g'cZYbj]fcb'a YbH'U'dfchYW]cb'UbX'hY W\U'Yb[Yg'UbX'cddcf]i b]h]Yg'dfYgYbH'X'Vm]g\U'Y'[Ug'UbX'WcU' gYUa '[Ug	D9%*
)" I bXYfghUbX'hY'VUg]W]g'cZYa d'cma YbhWcbfUW]g	

HYUW\]b['GhfUH' []Yg'

D'YUgY'fYZf'hc'hY']bZcfa U]hcb']b'A ccX'Y

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K f]h]b['G_]`g`	&\$i	: f]XUmK YY_-'	%ž&ž' ž(
DfYgYbhU]cb'G_]`g`		.<<B 4 @ 8P	<<B %ž&ž' ž(
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GhUfhXUH. 'Bch5dd`]WVY

8YHU]`g.

5 %\$\$\$'k cfX`YggUmcb`U'gYhhd]WfY`UH`X`hc`h`Y`Wci`fgY`WcbhYbh`Mci`k`J`VY`UggYggYX`cb`mci`fi`gY`cZ`dfcdYf`UbX`X]fYVh9b[`]g`"

5ggYgga Ybh& 'DfYgYbhU]cb'G_]`g`

GhUfhXUH. 'Bch5dd`]WVY

8YHU]`g.

~E @E : C8JJ FI 8C GI <J<EK 8K @FE K F 9< ?<C;%\$E MhY`dd`E`F`D`c]`E` .<<B`dfYgYbhU]cb`cb`U`hd]WfY`UH`X`hc`dYf`c`Yi`a`Yb[`]bYYf]b[" `Mci`k`J`VY`UggYggYX`cb`h`Y`ghf`W`fY`UbX`WUf]micZnci`f`g`]XYg @= 8GGC@89C E`XY`j`Yfm`

8E

Hi fb]h]b`gYh]b[. 'H\]g`]g`bchU`Hi fb]h]b`Ugg][ba Ybh

5ggYgga Ybh' . '9I Ua

8YHU]`g.

5 `k`c`l`ci`f`YI`Ua`Wc]`Yf]b[`h`Y`Y`W`fY`W`cb`h`b`h`b`ch`fY`UH`X`hc`W`c`a`a`i`b]WU]cb`g_]`g`"

5 hYbXUbW`F Yei]fYa Ybhg

Gh XYbhg`UFY`ghfcb[`mYbWci fU[YX`hc`UhhYbX`U`WUggYg`UbX`fYj]Yk ``YWhi fY`fYWcfX]b[g"

7 ci fgY`GWXYXi `Y

[J \]Yk`WUgg`hja`YhUV`Y](#)

H]a`YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_%`%(`GYdhYa VYf! %`GYdhYa VYf	@YWhi fY	DYhfc`Yi a `:]gWJ`Dc`]Wm
K YY_`&.`&%GYdhYa VYf! &)`GYdhYa VYf	@YWhi fY	DYhfc`Yi a `5ggYhg`UbX`F YgYfj Yg
K YY_`.`&`,`GYdhYa VYf! &`C`WtcVYf	@YWhi fY	DYhfc`Yi a `9bj]fcb`a YbhU`Dc`]Wm
K YY_`(`.)`C`WtcVYf!`-` C`WtcVYf	@YWhi fY	I bWcbj Ybh]cbU`F Ygci fWg
K YY_)`.`%&C`WtcVYf!`%*` C`WtcVYf	@YWhi fY	DYhfc`Yi a `5Wtc`i bh]b[
K YY_`+`.`&`*`C`WtcVYf!`\$` C`WtcVYf	@YWhi fY	K f]h]b[`G_]`g
K YY_`,`&`Bcj Ya VYf!`*` Bcj Ya VYf	@YWhi fY	DfYgYbhU]cb`G_]`g
K YY_`-`.`-`Bcj Ya VYf! %`Bcj Ya VYf	@YWhi fY	7 UWX!i d`K YY_`
K YY_`%\$`.`%*`Bcj Ya VYf! &\$`Bcj Ya VYf	@YWhi fY	7 UWX!i d`K YY_`

F Ygci fWg

F YWca a YbXYX'F Ygci fWg

BchiUj U]UV`Y

7ci fgY'9j U'i Uh]cb`UbX'8Yj Y`cda Ybh

5hHY`YbX`cZYUW`Wci fgYzU`ghi XYbfg`k j`\Uj Y`hY`cddcfhi b]mhc`Wca d`YH`U`Wci fgY`Yj U'i Uh]cb`Zcfa "
H\YgY`Ubcba ci g`gi fj Ymg`\Y`d`i`g`i bXYfgHUbX`mci fj jYk g`cZH`Y`Wci fgYz`mci f`YW`i fYfg`UbX`hY`Wci fgY
a UH`f]U`g`"K Y`UfY`W`b]bi ci g`m]a dfcj]b[`ci f`Wci fgYg`VUgYX`cb`ghi XYbhZYXVUW`z`UbX`mci f`dYfgdYW`j`Y
]g`j U'i UVY"

: YXVUW`]g`[]j Yb`j]U`[hdg`#gh`XYbhi`bgk`"YXi`"Ui`#a`m\]l`dYf\]YbW`UbX`mci`k`j`Vh`\\$](#)

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Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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K`Y`YbWci`fU[`Y`mci`tc`fYh]b`U`WcdmciZYj`YfmUgg][ba`Ybhgi`Va`]h]X`Zcf`UggYgga`YbhZcf`mci`f`ck`b`fYWcfX`Y`h`Yf`]b`U`fXWcdmci`f`Y`YWfcb]WZcf`a`"

5`UggYgga`Ybh]a`i`gh`Uj`Y`Ub`UggYgga`YbhWcj`Yf`g`YYhUthUWXYX"

@UH`Gi Va]gg]cb`cZUb`5gg][ba`Ybh

:`i`a`Uf_g`Zcf`Ub`Ugg][ba`YbhUfY`cb`mdcgg]V`Y`k`Y`b`Ub`Ugg][ba`Ybh]g`fYW]j`YX`Vmi`h`Y`Xi`Y`XUH`"

K`Y`i`bXYfghUbx`h`UhUh]a`Yg`mci`a`UmbchVY`UV`Y`tc`gi`Va`]h]Ub`Ugg][ba`Ybhcb`h]a`Yz`UbX`h`Y`GWcc`k`]`UWw`a`a`cXUH`Ubm]Z]f`UbX`fYUgcbUV`Y`Yi`h]bg]cb`"K`Y`k`ci`X`fYW`a`a`YbX`mci`fYj`]Yk`h`Y`I`BGK`GdYW]U`7`cbg]XYfUh]cb`[i]XY`]b`Yg`-`gYY`gYW]cb`VY`ck`"

@UH`gi`Va`]gg]cb`k`]`bchVY`UWw`dhX`UbX`k`]`VY`Wcbg]XYfYX`Ug`bc`gi`Va`]gg]cb`"

GdYW]U`7`cbg]XYfUh]cb

Mci`Wb`Udd`mZcf`gdYW]U`Wcbg]XYfUh]cb`h`fci`[\`[H\Y`Bi`WYi`g`Gh`XYbh<i`V`k`Y`b`\]](#)`bYgg`cf`c`h`Yf`W]fW`a`ghUbW]g`]bhYfZY`f`k`]h`mci`f`UggYgga`YbhdyfZcf`a`UbW]`G]W_bYggza`]gUj`Ybh`fY`cf`c`h`Yf`W]fW`a`ghUbW]g`VYmcbX`mci`f`Wcbf`c`a`Um`

- DfYj`Ybh`mci`Zcf`a`Wca`d`Yh]b[`U`Wci`fgY`fYei`]fYa`Ybh`
- ?`YYd`mci`Zcf`a`UthYbX]b[`Ub`UggYggUV`Y`UW]j`]m`
- Ghd`mci`gi`Va`]h]b[`UggYggUV`Y`k`cf`_`Zcf`U`Wci`fgY`
- G][b]Z]Wbhm]UZZYW]mci`f`dYfZcf`a`UbW]`]b`UggYggUV`Y`k`cf`_`z`VY`]h]U`Zcf`a`U`YbX]c`Z]gYa`YghYf`Yi`Ua`]b]Uh]cbz`U`WUgg`h`ghz`U`UVcfUrc`fmi`h`ghz`U`gYa`]b]Uf`dfYgYb]h]cb`cf`Ubmich`Yf`Zcf`a`c`Z`UggYgga`Ybh`

K`Y`Ug`_`h`Uh]mci`d`Y`UgY`Wcb]UW]h`Y`7`ci`fgY`7`cbj`Ybcf]a`a`YX]UH`mcbW]mci`Uj`Y`Wca`d`Y`h`X`h`Y`gdYW]U`Wcbg]XYfUh]cb`Udd`]W]h]cbz`bc`UH`f`h`Ub`cb`Y`k`YY`_`Zcf`a`gi`Va`]gg]cb`"

A`cfY`XYh]g]cb`gdYW]U`Wcbg]XYfUh]cb`Wb`VY`Zci`bX`Uh`[k`k`k`"gh`XYbh`i`bgk`"YXi`"Ui`#gdYW\]U!Wcbg\]XYfUh\]cb`](#)

Gh`XYbh`Gi`ddcfh

H\Y`i`b]j`Yfg]m]UbX`h`Y`: `UW`h`mdfcj`]XY`U`k`]XY`f`Ub[`Y`c`Zgi`ddcfhgYfj`]W]g`Zcf`gh`XYbh]z`]bW]i`X]b[.`

- @]VfUfm]h]U]b]b[`UbX`gi`ddcfhgYfj`]W]g`!`[k`k`k`"VfUfm\]i`bgk`"YXi`"Ui`](#)
- I`BGK`@YUfb]b[`7`YbhY`!`[k`k`k`"Wi`bgk`"YXi`"Ui`](#)
- 7`ci`bgY`]b[`gi`ddcfh!`[k`k`k`"Wci`bgY`\]b\[`i`bgk`"YXi`"Ui`](#)

9ei`]h]U`Y`@YUfb]b[`GYfj`]W]g`U]a`g`tc`dfcj`]XY`U`g]h`XYbh]k`]h`U`ZYY`UbX`WcbZ]XYbh]U`gYfj`]W`h`Uh`dfcj`]XYg`dfUW]W]gi`ddcfh`tc`Ybgi`fY`h`Uh]mci`f`Y`U`h`WcbX]h]cb`XcYgbf]i`UXj`YfgY`m]UZZYW]mci`f`gh`X]Yg`"
[\fhdg`#gh`XYbh`i`bgk`"YXi`"Ui`#`g`](#)

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

Mci f`YWñ fYf`UbX`hY`l b]j Yfg]mik]`Yl dYWñmci fgi Va]hYX`Ugg][ba Ybñg`UfY`hfi`mimci f`ck b`k cf_"l BGK
`Ug`j Yfm`WYUf`[i]XY`]bYg`cb`k `Uhd`U[]Uf]ga`]g`UbX`ck`hc`Uj`c]X`]h`D`U[]Uf]ga`]g`i`g]b[`hY`k cfXg`cf
]XYUg`cZch`Yfg`UbX`dfYgYb]b[`hYa`Ug`mci f`ck b`D`U[]Uf]ga`]g`U`mdY`cZ]bñY`YWñ U`hY`Zñ`ñW]b`hU_Y

5 WUXYa]W#Zcfa Uh]cb

7 ci fgY'F Ygi `hg

: cf'XYHU]g'cb'l BGK 'UggYgga Ybhd'Wzd'YUgY'j]g]h [k k k "gh XYbhi bgk "YXi "Ui #UggYgga Ybh](#)

#'gca Y']bghUbW'g'mci f'Z]bU'Wci fgY'fYgi `ha UmVY'k]h\Y'X'UbX'bchfY'YUgYX'cb'hY'l BGK 'd'UbbYX'XUH'"
H\]g:]g]bX]WUHX'VmU'Wci fgY' [fUXY'fYgi `hcZY]hYf.

- @9'-']bX]WUHX'g'mci `Uj Y'bchWca d'YhX'cbY'cf'a cfY']ha g'cZUggYgga Ybh'cf

• VfcUXVUbX`WtbbYWjcb`f&) *`_V]hgYWcf`ZJghYfł

5ddYbX|l . '9b[]bYYfg'5i ghfU`U'f95Ł'DfcZYgg]cbU`'9b[]bYYf'7ca dYhYbWm
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Dfc[fUa ' bHYbXYX'@YUfb]b['Ci hWta Yg	
? bck `YX[Y'UbX'g_]`VUgY	
D9%"%7 ca dfY\Ybg]j YžhYcfmVUgYX'i bXYfghUbX]b['cZhY'i bXYfd]bb]b['bUh fU`UbX d\mg]WU`gWYbWg'UbX'hY'Yb[]bYYf]b['Z bXUa YbH'g'Udd`]WUV'Y'hc'hY'Yb[]bYYf]b['X]gWd`]bY	
D9%"&'7 cbWdh U`i bXYfghUbX]b['cZhY'a UhYa Uh]Wgžbi a Yf]WU`UbU'mg]gžghUhgh]WgžUbX Wta di h'f'UbX']bZcfa Uh]cb'gWYbWg'k \]W' i bXYfd]b'hY'Yb[]bYYf]b['X]gWd`]bY	
D9%" " b!XYdh'i bXYfghUbX]b['cZgdYWU`]ghVcX]Yg'cZ_bck `YX[Y'k]h]b'hY'Yb[]bYYf]b[X]gWd`]bY	
D9%"('8]gWfba YbhcZ_bck `YX[Y'XYj Y`cda YbhUbX'fYgYUfW'X]fYW]cbg'k]h]b'hY Yb[]bYYf]b['X]gWd`]bY	
D9%") ? bck `YX[Y'cZYb[]bYYf]b['XYg][b'dfUW]W'UbX'WcbHYI h U`ZUW'c'fg]a dUW]b['hY Yb[]bYYf]b['X]gWd`]bY	
D9%"* 'i bXYfghUbX]b['cZhY'gWc'dYždf]bWd`Ygžbcfa gžUW'c'i bHUV`]h]Yg'UbX'Vci bXg'cZ gi gh]bUV'Y'Yb[]bYYf]b['dfUW]W']b'hY'gdYW]ZWX]gWd`]bY	
9b[]bYYf]b['Udd`]WU]h]cb'UV`]jm	
D9%"%5dd`]WU]h]cb'cZYghUV`]g\YX'Yb[]bYYf]b['a Yh'cXg'hc'Wta d'YI'Yb[]bYYf]b['dfcV'Ya gc`]b[
D9%"&'&: 'i YbhUdd`]WU]h]cb'cZYb[]bYYf]b['h'W]b]ei Ygž'hc'g'UbX'fYgci fW'g	
D9%" " '5dd`]WU]h]cb'cZgmg]Ya Uh]WYb[]bYYf]b['gmb'hYg]g'UbX'XYg][b'dfcW'ggYg	
D9%"('5dd`]WU]h]cb'cZgmg]Ya Uh]WUddfcUW]Yg'hc'hY'WcbXi W]UbX'a UbU[Ya YbhcZYb[]bYYf]b[dfc'YW'g	
DfcZYgg]cbU`UbX'dYfgcbU`Uhf]Vi hYg	
D9' "%9h]WU`WcbXi W]UbX'dfcZYgg]cbU`UW'c'i bHUV`]jm	
D9' "&'9ZYW]j Y'cfU`UbX'k f]hYb'Wta a i b]WU]h]cb`]b'dfcZYgg]cbU`UbX`UmXca U]bg	
D9' "' '7fYUh]j Yž]bbcj Uh]j Y'UbX'dfc!UW]j Y'XYa YUbcif	
D9' "('DfcZYgg]cbU`i gY'UbX'a UbU[Ya YbhcZ]bZcfa Uh]cb	
D9')" 'C'fXYfma UbU[Ya YbhcZgY'Zi'UbX'dfcZYgg]cbU`WcbXi W]	
D9' "*" '9ZYW]j Y'hYUa 'a Ya VYfg\]d'UbX'hYUa ``YUXYfg\]d	