# EMPIRE LIFE RETAIL INSURANCE RATES OF RETURN AND VALUES

Interest rates effective as of September 12, 2016

TRILOGY and TRILOGY PLUS Guaranteed Interest Rates														
Policy Issue Periods	Daily	l Year	2 Year	3 Year	4 Year	5 Year	10 Year <sup>4</sup>	20 Year <sup>4</sup>						
Prior to May 10, 2004	0.250%	0.250%	0.250%	0.250%	0.250%	0.350%	0.650%	0.650%						
Between May 10, 2004 and June 29, 2007	0.250%	0.250%	0.250%	0.250%	0.250%	0.350%	3.000%	3.250%						
Between July 2, 2007 and February 14, 2011	0.250%	0.250%	0.250%	0.250%	0.250%	0.350%	2.500%	2.875%						
Between February 15, 2011 and June 29, 2012	0.250%	0.250%	0.250%	0.250%	0.250%	0.350%	2.500%	2.500%						
Current Version (after June 29, 2012)	0.250%	0.250%	0.250%	0.250%	0.250%	0.350%	1.750%	1.750%						

ESTATEMAX		
	Daily	l Year
Dividend On Deposit (Cash Accumulation)	-	4.00%
Premium On Deposit (Side Account)	0.35%	_

OPTIMAX <sup>2</sup> & OPTIMAX III Guaranteed Interest Rat	tes							
Da	aily	l Year	2 Year	3 Year	4 Year	5 Year	6 Year	10 Year
0.2	50%	0.600%	0.600%	0.650%	0.850%	1.350%	1.150%	1.650%

					R	late of Retu	rn (%) as of	Aug 31, 20	16						
	Unit										10	15	Since	Year to	Inception
	Value	I Mo	3 Mo	6 Mo	9 Mo	l Year	2 Year	3 Year	4 Year	5 Year	Year	Year	Inception	Date	Date
Managed Indexed Accounts	22.22								<u> </u>						
ndexed Asset Allocation Investment Option	30.09	-0.22	2.48	5.04	2.75	7.00	6.77	10.20	9.71	7.85	3.20	4.37	5.24	2.17	Jan I, 1995
ndexed Global Equity Investment Option	16.11	-1.23	1.84	6.56	-0.39	1.84	7.86	11.90	14.15	13.22	0.52	0.12	2.38	-1.25	Jan I, 1995
ndexed Elite Equity Investment Option	26.44	0.97	3.24	9.33	3.83	7.02	4.94	10.60	10.83	9.04	3.09	4.79	5.06	5.05	May 31, 1997
ndexed Bond Investment Option	18.78	0.06	2.35	3.98	5.10	3.80	3.25	4.00	2.39	2.62	2.79	3.01	3.30	4.04	May 31, 1997
ndexed Balanced Investment Option	15.29	0.52	2.65	6.22	3.47	4.59	1.29	5.34	5.18	4.48	2.36	NA	3.50	3.74	Apr 30, 2004
ndexed American Value Investment Option	16.18	1.01	3.45	7.94	2.17	5.21	11.90	15.57	16.58	16.02	4.72	NA	3.97	1.12	Apr 30, 2004
ndexed Income Investment Option	15.00	0.42	2.63	5.72	4.42	4.65	2.30	4.63	3.65	3.50	3.50	NA	3.34	4.20	Apr 30, 2004
ndexed Dividend Growth Investment Option	20.21	2.53	5.13	12.32	6.58	8.50	1.23	7.77	8.49	6.81	3.67	NA	5.86	8.32	Apr 30, 2004
ndexed Small Cap Equity Investment Option	18.49	1.27	5.44	17.05	12.71	14.22	0.37	8.31	6.83	2.47	2.24	NA	5.11	13.32	Apr 30, 2004
ndexed Canadian Equity Investment Option I	12.63	0.88	3.64	10.83	6.66	10.20	3.92	10.06	9.63	7.30	NA	NA	2.40	9.87	Oct 31, 2006
ndexed Global Smaller Companies Investment Option	11.69	0.28	2.28	7.87	5.15	8.42	14.43	14.03	15.26	12.45	NA	NA	1.60	1.02	Oct 31, 2006
Managed Portfolio Indexed Accounts															
ndexed Conservative Portfolio Investment Option	13.11	0.45	2.70	5.94	4.63	4.76	3.46	5.93	5.06	4.53	2.37	NA	2.57	4.37	Oct 31, 2005
ndexed Balanced Portfolio Fund Investment Option	12.99	0.58	2.90	6.99	4.70	5.38	3.55	6.82	6.19	5.21	2.13	NA	2.50	4.62	Oct 31, 2005
ndexed Moderate Growth Portfolio Fund Investment Option	12.92	0.72	3.04	7.82	4.49	5.75	3.71	7.68	7.37	6.08	1.92	NA	2.47	4.70	Oct 31, 2005
ndexed Growth Portfolio Fund Investment Option	13.08	0.97	3.45	9.32	5.27	7.13	3.65	8.47	8.32	6.58	1.89	NA	2.61	5.91	Oct 31, 2005
ndexed Aggressive Growth Portfolio Fund Investment Option	13.29	1.19	3.78	10.88	5.68	8.24	3.84	9.62	9.82	7.54	1.87	NA	2.80	6.64	Oct 31, 2005
Market Indexed Accounts															
Eurasian Equity Index Option	4.57	1.07	0.69	4.37	-7.52	-5.83	0.64	5.11	9.05	5.92	-1.95	-1.49	-3.24	-8.08	Sep 30, 2000
Canadian Equity Index Option	17.02	0.33	3.69	12.80	7.67	4.60	-2.58	5.45	5.73	3.25	2.06	4.18	1.51	11.43	Sep 30, 2000
American Equity Index Option	11.09	0.53	3.57	8.68	2.21	8.53	13.53	17.38	18.75	18.09	6.18	2.32	0.74	0.31	Sep 30, 2000
American Growth & Technology Index Option	7.95	1.49	5.17	8.90	-1.26	7.88	15.54	21.11	19.52	19.83	10.33	3.88	-1.97	-3.14	Sep 30, 2000
European Equity Index Option	4.04	1.52	-1.45	0.94	-12.18	-11.00	-3.93	2.38	6.80	3.34	-4.79	-4.06	-5.24	-11. <del>4</del> 3	Sep 30, 2000
Canadian Bond Index Option	15.73	-0.18	1.96	2.85	3.88	2.44	2.25	2.98	1.19	1.62	2.31	2.79	2.91	2.97	Sep 30, 2000
apanese Equity Index Option	5.83	1.30	4.53	10.15	-1.77	1.18	12.07	11.04	14.41	10.08	0.50	-0.11	-3.03	-3.92	Sep 30, 2000

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## EMPIRE LIFE RETAIL INSURANCE RATES OF RETURN AND VALUES

Interest rates effective as of September 12, 2016

C2000 & OPTIMAX II Indexed Options	3														
	Rate of Return (%) as of Aug 31, 2016														
	Unit										10	15	Since	Year to	Inception
	Value	l Mo	3 Mo	6 <b>M</b> o	9 <b>M</b> o	l Year	2 Year	3 Year	4 Year	5 Year	Year	Year	Inception	Date	Date
Indexed Asset Allocation Investment Option	30.09	-0.22	2.48	5.04	2.75	7.00	6.77	10.20	9.71	7.85	3.20	4.37	5.24	2.17	Jan I, 1995
Indexed Global Equity Investment Option	16.11	-1.23	1.84	6.56	-0.39	1.84	7.86	11.90	14.15	13.22	0.52	0.12	2.38	-1.25	Jan I, 1995
Indexed Elite Equity Investment Option	26.44	0.97	3.24	9.33	3.83	7.02	4.94	10.60	10.83	9.04	3.09	4.79	5.06	5.05	May 31, 1997
Indexed Bond Investment Option	18.78	0.06	2.35	3.98	5.10	3.80	3.25	4.00	2.39	2.62	2.79	3.01	3.30	4.04	May 31, 1997

Underlying Index Values															
					Rate of	Return (%)	as of Aug 3	1, 2016							
	Unit											15	Since	Year to	Inception
	Value	I Mo	3 Mo	6 Mo	9 <b>M</b> o	l Year	2 Year	3 Year	4 Year	5 Year	Year	Year	Inception	Date	Date
Scotia Capital Universe Bond Index	1044.79	0.09	2.72	4.39	6.21	5.76	5.33	6.07	4.22	4.70	5.31	5.81	7.60	5.02	Jan 1, 1995
S&P/TSX 60 Index	851.38	0.47	3.69	12.73	7.52	4.41	-2.64	5.40	5.65	3.18	2.24	4.65	5.62	11.36	Jan I, 1995
S&P 500 Index	5407.20	0.77	4.29	10.24	4.44	11.71	16.91	20.77	22.30	21.62	9.36	5.38	9.86	2.23	May 31, 1997
Nasdaq 100 Index	4771.06	0.86	5.46	13.57	2.28	11.61	8.10	13.72	14.93	16.82	10.56	5.06	12.48	3.87	May 31, 1997
Dow Jones Euro Stoxx 50 Index	4427.62	1.66	-0.94	2.13	-10.45	-8.51	-1.16	5.78	9.95	6.41	-1.95	-1.15	4.37	-9.82	Apr 30, 2004
Nikkei 225 Stock Average	163.51	0.72	5.00	15.22	1.97	4.95	5.04	5.47	10.10	7.38	0.72	1.06	-0.85	3.26	Apr 30, 2004
FTSE 100 Index	8910.90	0.16	-1.47	5.05	-6.75	-7.06	-11.27	-5.18	-0.05	0.75	-3.28	-1.97	2.44	-3.12	Apr 30, 2004
S&P/ASX 200 Index <sup>1</sup>	4086.18	-3.29	5.02	17.09	9.36	10.23	-11.81	-5.97	-1.83	-1.90	-0.55	2.87	4.09	5.84	Apr 30, 2004
Hang Seng Stock Index	2962.16	4.97	10.57	20.52	4.40	5.94	-3.67	0.65	4.58	2.80	1.81	2.00	7.61	4.76	Apr 30, 2004

### **PRODUCT NOTES**

OPTIMAX PLUS
OPTIMAX II

0.600% Daily Interest Rates

0.600% Portfolio Investment Option Rate



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Available only to Trilogy policies

<sup>&</sup>lt;sup>2</sup> Refers to Optimax policies on or after October 11, 2005

<sup>&</sup>lt;sup>3</sup> Rates of return are net of investmennt management fees

<sup>&</sup>lt;sup>4</sup> For applications received on or after May 10, 2004; the minimum interest rate guarantees will apply to the 10-year guaranteed minimum interest rate is 3.05%. The 20-year guaranteed minimum interest rate is 3.25%. Effective July 2, 2007, the 10-year guaranteed minimum interest rate will be 2.50% and the 20-year guaranteed minimum interest rate will be 2.875% for policies issued July 1, 2007 to February 14, 2011. For policies issued after February 14th, 2011 the 10 year and 20 year minimum guarantee will both be 2.50%. For policies issued after June 29th, 2012 the 10 year and 20 year minimum guarantee will both be 1.75%. In the interim, these interest rates may be applied to policies subject to Large Case Quote Review.

## EMPIRE LIFE RETAIL INSURANCE RATES OF RETURN AND VALUES

Interest rates effective as of September 12, 2016

CONCORD Guaranteed Interest Rates								
	Daily	3 Year	5 Year	10 Year				
Standard	0.250%	0.350%	0.350%	0.350%				
Self-Admin RRSPs	0.250%	0.350%	0.350%	0.350%				
Excess Deposit Amount	0.250%							

CONCORD Segregated Funds <sup>5</sup>																	
							Rate	of Return (	%) as of Au	31, 2016							
	Valuation	Unit										10	15	20	Since	Year to	Inception
	Date	Value	I Mo	3 Mo	6 <b>M</b> o	9 Mo	l Year	2 Year	3 Year	4 Year	5 Year	Year	Year	Year	Inception	Date	Date
Bond Fund	Sep-09	20.93	-0.02%	2.22%	3.80%	4.88%	4.52%	3.99%	4.74%	3.11%	3.38%	3.58%	3.90%	4.25%	3.27%	3.83%	Jun 1, 1992
Balanced Fund	Sep-09	29.21	0.65%	2.73%	7.08%	4.03%	6.28%	4.23%	8.06%	7.53%	6.51%	3.61%	5.00%	6.25%	5.31%	4.43%	Oct 6, 1995
Equity Fund	Sep-09	40.69	0.79%	2.93%	8.75%	2.93%	7.44%	5.43%	11.17%	11.34%	9.63%	4.00%	5.74%	7.94%	4.96%	4.22%	Jun 1, 1992
Special Growth Fund	Sep-09	56.57	1.08%	5.07%	16.19%	11.59%	-0.09%	0.00%	0.06%	0.10%	0.11%	0.82%	1.26%	1.88%	7.78%	12.30%	Jun 1, 1992

CONCORD Index Options <sup>6</sup>																	
							Rate	of Return (	%) as of Aug	g 31, 2016							
	Valuation	Unit										10	15	20	Since	Year to	Inception
	Date	Value	I Mo	3 Mo	6 Mo	9 Mo	l Year	2 Year	3 Year	4 Year	5 Year	Year	Year	Year	Inception	Date	Date
World Index Interest Option	Sep-09	4.59	1.07%	0.69%	4.37%	-7.52%	-5.83%	0.64%	5.11%	9.05%	5.92%	-1.95%	-1.49%	-0.24%	-0.44%	-8.08%	May 31, 1996
TSX Index Interest Option	Sep-09	16.92	0.33%	3.69%	12.80%	7.67%	4.60%	-2.58%	5.45%	5.73%	3.25%	2.06%	4.18%	4.71%	4.68%	11.43%	Nov 30, 1989
U.S. Stock Index Interest Option	Sep-09	10.78	0.53%	3.57%	8.68%	2.21%	8.53%	13.53%	17.38%	18.75%	18.09%	6.18%	2.32%	4.24%	4.01%	0.31%	May 31, 1996
U.S. New Economy Index Interest Option	Sep-09	7.74	1.49%	5.17%	8.90%	-1.26%	7.88%	15.54%	21.11%	19.52%	19.83%	10.33%	3.88%	NA	-1.40%	-3.14%	May 31, 2000
European Index Interest Option	Sep-09	4.07	1.52%	-1.45%	0.94%	-12.18%	-11.00%	-3.93%	2.38%	6.80%	3.34%	-4.79%	-4.06%	NA	-5.41%	-11.43%	May 31, 2000
Canadian Bond Index Interest Option	Sep-09	15.60	-0.18%	1.96%	2.85%	3.88%	2.44%	2.25%	2.98%	1.19%	1.62%	2.31%	2.74%	NA	2.88%	2.97%	Sep 30, 2000
Japanese Index Interest Option	Sep-09	5.84	1.30%	4.53%	10.15%	-1.77%	1.18%	12.07%	11.04%	14.41%	10.08%	0.50%	-0.11%	NA	-3.33%	-3.92%	Sep 30, 2000

### **PRODUCT NOTES**

#### **CONCORD INDEX OPTIONS**

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<sup>&</sup>lt;sup>5</sup> Rates of return are net of investment management fees.

<sup>&</sup>lt;sup>6</sup> The US Stock Index Interest Option was modified on July 10, 2000, and the World Index Interest Option was modified on Sept. 6, 2000, with each being modified to include currency exchange in the net return. Returns for the periods prior to these dates are not adjusted for changes in currency exchanges.