

Perspective Advisory

Fees You Pay

We are required to tell you about fees and conflicts of interest that may affect your decision to buy this variable annuity. You may be able to terminate your contract within the "free look" period and receive a refund of your payments or your contract value, which may be less.

Investment Amount																	
Your payment amount including any applicable premium bonus or surrender charge amounts. If switching from an old contract to a new one, you may pay a surrender charge. The charge is based on the amount you withdraw, and when you make the withdrawal. If you received a bonus credit, part of it may be taken away too.	<table> <tr> <td>Amount from old contract</td><td>\$100,000</td></tr> <tr> <td>Minus estimated surrender fee you pay</td><td>\$(5,000)</td></tr> <tr> <td>Minus estimated up front fee you pay</td><td>\$(0)</td></tr> <tr> <td>Plus new payment amount</td><td>\$50,000</td></tr> <tr> <td>Plus premium bonus</td><td>\$0</td></tr> <tr> <td>Investment amount adjusted for charges and bonus</td><td>\$145,000</td></tr> <tr> <td>5th Year value at 5.00% hypothetical annual return</td><td>\$165,246</td></tr> <tr> <td>5th Year value at 0.00% hypothetical annual return</td><td>\$129,624</td></tr> </table>	Amount from old contract	\$100,000	Minus estimated surrender fee you pay	\$(5,000)	Minus estimated up front fee you pay	\$(0)	Plus new payment amount	\$50,000	Plus premium bonus	\$0	Investment amount adjusted for charges and bonus	\$145,000	5th Year value at 5.00% hypothetical annual return	\$165,246	5th Year value at 0.00% hypothetical annual return	\$129,624
Amount from old contract	\$100,000																
Minus estimated surrender fee you pay	\$(5,000)																
Minus estimated up front fee you pay	\$(0)																
Plus new payment amount	\$50,000																
Plus premium bonus	\$0																
Investment amount adjusted for charges and bonus	\$145,000																
5th Year value at 5.00% hypothetical annual return	\$165,246																
5th Year value at 0.00% hypothetical annual return	\$129,624																
You may pay a sales fee up front when you make a payment. The fee you pay is based on the amount of your payment.																	

You Pay Each Year				
Total Annual Expenses				
You will pay ongoing fees every year you hold the contract. These fees will vary with the value of your contract, and may not be charged on assets held in the fixed account. See the sections below for more detail on the base insurance and benefit expenses.	Estimated 1st year annual fees you pay	%	\$	
	Base Insurance Expenses	0.30	435.00	
	Investment Option Expenses	1.02	1,485.53	
	Death and Living Benefits Expenses	0.85	1,232.50	
	Total Annual Expenses		2.17	3,153.03
	Hypothetical Savings / (Addl Cost) for 5 Years at 5.00% annual return			9,131
	Hypothetical Savings / (Addl Cost) for 5 Years at 0.00% annual return			6,223

Death and Living Benefits Expenses Detail

You have chosen the following guaranteed death and/or living benefits, which are used to estimate the total annual expenses.	<table> <tr> <td>Benefits expenses include:</td><td>%</td></tr> <tr> <td>Premium Bonus Fee</td><td>0.00</td></tr> <tr> <td>LifeGuard Freedom Net IS Value (Single) Default</td><td>0.85</td></tr> <tr> <td>Total annual death and living benefits expense %</td><td>0.85</td></tr> </table>	Benefits expenses include:	%	Premium Bonus Fee	0.00	LifeGuard Freedom Net IS Value (Single) Default	0.85	Total annual death and living benefits expense %	0.85
Benefits expenses include:	%								
Premium Bonus Fee	0.00								
LifeGuard Freedom Net IS Value (Single) Default	0.85								
Total annual death and living benefits expense %	0.85								

Base Insurance Expense Detail

Mortality and expense (M&E) fees may change in some cases. See annuity report for more details. Mortality and expense risk charges, which the insurance company charges to cover: guaranteed death benefits; annuity payout options that can provide guaranteed income for life; or guaranteed caps on administrative charges. Administrative expenses cover record-keeping and other administrative expenses. The contract fee is a fixed cost, charged annually and typically waived at higher total investment amounts. Distribution expenses are typically used for marketing.	<table> <tr> <td>Base insurance expenses include:</td><td></td></tr> <tr> <td>Mortality and Expenses %</td><td>0.25</td></tr> <tr> <td>Administrative Expense %</td><td>0.05</td></tr> <tr> <td>Contract Fee \$</td><td>35.00</td></tr> <tr> <td>Distribution Expense %</td><td>0.00</td></tr> <tr> <td>Total base insurance expenses %</td><td>0.30</td></tr> </table>	Base insurance expenses include:		Mortality and Expenses %	0.25	Administrative Expense %	0.05	Contract Fee \$	35.00	Distribution Expense %	0.00	Total base insurance expenses %	0.30
Base insurance expenses include:													
Mortality and Expenses %	0.25												
Administrative Expense %	0.05												
Contract Fee \$	35.00												
Distribution Expense %	0.00												
Total base insurance expenses %	0.30												

You Pay When You Sell

You may pay a surrender charge if you withdraw money from your contract within a certain period of time. The charge is based on the amount you withdraw, and when you make the withdrawal. If you received a bonus credit, part of it may also be taken away. Your actual fees may vary based on the value of your contract at the time you surrender your contract.	Investment value	If you surrender within:	%	\$
	\$145,000.00	Less than 1 year	2.00	2,900.00
		from 1 to 2 years	2.00	2,900.00
		from 2 to 3 years	1.00	1,450.00
		3 years or more	0.00	0.00

Annuity Expense Analysis Report

Expense & Surrender Charge Analysis

Current Contract

Perspective II (7-yr)

New Contract

Perspective Advisory

How a Change in Fees May Affect Your Annuity

Hypothetical Cost Comparison

Total Expense Ratio	3.36%	Total Expense Ratio	2.17%
Hypothetical Annuity Value	\$150,000	Hypothetical Annuity Value	\$150,000
Base Insurance Expenses	\$1,950	Base Insurance Expenses	\$450
Subaccount Expenses	\$1,365.2	Subaccount Expenses	\$1,536.8
Optional Benefit Expenses	\$1,725	Optional Benefit Expenses	\$1,275
Estimated Annual Fees	\$5,040.2	Estimated Annual Fees	\$3,261.8

Hypothetical Savings / (Addl Cost) for 5 Years at 5.00% annual return **\$9,131**

Hypothetical Savings / (Addl Cost) for 5 Years at 0.00% annual return **\$6,223**

Hypothetical Exchange Comparison

Remain in Current Contract

Current Value	\$100,000
Plus New Investment	\$50,000

Net Investment	\$150,000
Estimated Annual Fees	\$5,040.2
End of 5th Year value at 5.00% hypothetical annual return	\$161,814
End of 5th Year value at 0.00% hypothetical annual return	\$127,870

Transfer/Exchange to a New Contract

Investment before Transfer/Exchange	\$100,000
Plus New Investment	\$50,000
Plus Premium Bonus	\$0
Minus Surrender Charge	\$(5,000)
Minus Initial Sales Charge	\$(0)

Net Investment	\$145,000
Estimated Annual Fees	\$3,153
End of 5th Year value at 5.00% hypothetical annual return	\$165,246
End of 5th Year value at 0.00% hypothetical annual return	\$129,624

Additional Features and Benefits

Benefit Values

Current Guaranteed Death Benefit Value	\$100,000	Initial Guaranteed Death Benefit Value	\$145,000
Current Living Benefit Value	\$100,000	Initial Living Benefit Value	\$145,000

AM Best Financial Strength Rating	A+	AM Best Financial Strength Rating	A+
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Annuity Expense Analysis Report

Expense & Surrender Charge Analysis

Current Contract

Perspective II (7-yr)

New Contract

Perspective Advisory

Fee and Expense Detail

Annual annuity fees and fund management expenses may impact the tax-deferred growth potential of your annuity. Before deciding to exchange, determine if you are paying for features you do not need or receiving fewer features for your money.

Annual Contract Fee	\$35
Contract Fee Waived For	\$50,000

Annual Insurance Expenses

M&E Risk	1.30%
Administrative Expense	0.00%
Distribution Expense	0.00%
Subaccount Expenses	0.91%
Optional Benefit Expenses	1.15%
Total Expense Ratio	3.36%

M&E Note: Variable investment options only. M&E may change in some cases. See Annuity Report for details. Adm Expense Note: Variable investment options only.

Annual Contract Fee	\$35
Contract Fee Waived For	\$50,000
Initial Sales Charge	0.00%

Annual Insurance Expenses

M&E Risk	0.25%
Administrative Expense	0.05%
Distribution Expense	0.00%
Subaccount Expenses	1.02%
Optional Benefit Expenses	0.85%
Total Expense Ratio	2.17%

M&E Note: Variable investment options only. M&E may change in some cases. See Annuity Report for details. Adm Expense Note: Variable investment options only.

Surrender Charge Schedule

Surrender Charge Schedule	%		%
0-1 Years	8.50	0-1 Years	2.00
1-2 Years	7.50	1-2 Years	2.00
2-3 Years	6.50	2-3 Years	1.00
3-4 Years	5.50	3-4 Years	N/A
4-5 Years	5.00	4-5 Years	N/A
5-6 Years	4.00	5-6 Years	N/A
6-7 Years	2.00	6-7 Years	N/A
7-8 Years	N/A	7-8 Years	N/A
8-9 Years	N/A	8-9 Years	N/A
9-10 Years	N/A	9-10 Years	N/A

Annuity Expense Analysis Report

Investment Analysis

Current Contract

Perspective II (7-yr)

New Contract

Perspective Advisory

Morningstar Rating Summary as of 05-31-2021

Morningstar Rating™ is calculated for subaccounts with at least a three-year history. It is calculated based on a Morningstar Risk-Adjusted return measure that accounts for variation in a subaccount's monthly performance, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of subaccounts in each category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a subaccount is derived from a weighted average of the performance figures associated with its three-, five- and ten-year (if applicable) Morningstar Rating metrics. Past performance is no guarantee of future results.

Investment Options:

118

Investment Options:

2

	Morningstar Rating Overall	Morningstar Rating 3-Year	Morningstar Rating 5-Year	Morningstar Rating 10-Year
★★★★★	14	9	10	10
★★★★	31	31	26	26
★★★	45	36	37	37
★★	12	25	12	12
★	5	6	6	6
Not Rated	0	0	0	0
Total Options	118	118	118	118

	Morningstar Rating Overall	Morningstar Rating 3-Year	Morningstar Rating 5-Year	Morningstar Rating 10-Year
★★★★★	1	0	1	1
★★★★	1	2	1	1
★★★	0	0	0	0
★★	0	0	0	0
★	0	0	0	0
Not Rated	0	0	0	0
Total Options	2	2	2	2

Portfolio Style Summary as of 05-31-2021

● 7+ Funds

● 4-6 Funds

● 1-3 Funds

● 7+ Funds

● 4-6 Funds

● 1-3 Funds

Investment Portfolio Style

Equity Style Distribution%

	Value	Blend	Growth
Large	17	39	23
Mid	6	5	4
Small	4	4	1

Fixed-Income Style Distribution%

	Ltd	Mod	Ext
High	0	2	0
Med	1	11	2
Low	11	14	2

Equity Style Distribution%

	Value	Blend	Growth
Large	0	2	0
Mid	0	0	0
Small	0	0	0

Fixed-Income Style Distribution%

	Ltd	Mod	Ext
High	0	0	0
Med	0	0	0
Low	0	2	0

Annuity Expense Analysis Report

Investment Analysis

New Contract

Perspective Advisory

Subaccounts

Name	Morningstar Category	Morningstar Rating Overall	3-Year Morningstar Rating (Number of Subaccounts)	5-Year Morningstar Rating (Number of Subaccounts)	10-Year Morningstar Rating (Number of Subaccounts)
FIX(ED)	-	0—(0)	0—(0)	0—(0)	0—(0)
JNL Conservative Allocation A	Allocation--15% to 30% Equity	5☆(888)	4★(888)	5☆(799)	0—(483)
JNL/T. Rowe Price Balanced A	Allocation--50% to 70% Equity	4☆(9967)	4☆(9967)	4☆(8160)	0—(4646)

Annuity Expense Analysis Report

Investment Analysis

Current Contract

Perspective II (7-yr)

Subaccounts					
Name	Morningstar Category	Morningstar Rating Overall	3-Year Morningstar Rating (Number of Subaccounts)	5-Year Morningstar Rating (Number of Subaccounts)	10-Year Morningstar Rating (Number of Subaccounts)
JNL/American Funds Washington Mut Inv A	Large Value	4★(7423)	3★(7423)	3★(6537)	4★(4564)
JNL/American Funds Capital World Bond A	World Bond	3★(736)	3★(736)	3★(635)	3★(443)
JNL/American Funds Growth-Income A	Large Blend	3★(8535)	2★(8535)	3★(7607)	3★(5325)
JNL/American Funds New World A	Diversified Emerging Mkts	4★(2070)	4★(2070)	3★(1681)	5★(1008)
JNL/American Funds Global Small Cap A	World Small/Mid Stock	3★(586)	3★(586)	3★(460)	3★(226)
JNL/American Funds International A	Foreign Large Growth	2★(2897)	1★(2897)	3★(2566)	1★(1672)
JNL/American Funds Moderate Gr Allc A	Allocation--50% to 70% Equity	4★(9967)	4★(9967)	4★(8160)	0—(4646)
JNL/BlackRock Global Natural Resources A	Natural Resources	4★(792)	4★(792)	4★(703)	3★(396)
JNL/First Sentier Global Infrs A	Infrastructure	3★(160)	2★(160)	3★(140)	0—(27)
JNL/American Funds Growth Allocation A	Allocation--70% to 85% Equity	5★(2113)	5★(2113)	5★(1774)	0—(957)
JNL Multi-Manager Small Cap Growth A	Small Growth	3★(2856)	4★(2856)	4★(2704)	2★(1979)
JNL/BlackRock Global Allocation A	World Allocation	4★(3465)	4★(3465)	4★(3179)	3★(1300)
JNL/American Funds Balanced A	Allocation--50% to 70% Equity	3★(9967)	4★(9967)	4★(8160)	2★(4646)
JNL/Franklin Templeton Gbl Mltsctr Bd A	Nontraditional Bond	2★(763)	1★(763)	3★(703)	0—(260)
JNL/DFA US Core Equity A	Large Blend	2★(8535)	2★(8535)	3★(7607)	2★(5325)
JNL/Franklin Templeton Growth Allc A	Allocation--70% to 85% Equity	2★(2113)	2★(2113)	2★(1774)	2★(957)
JNL/Franklin Templeton Income A	Allocation--30% to 50% Equity	3★(4222)	2★(4222)	3★(3644)	3★(1963)
JNL/JPMorgan U.S. Value A	Large Value	1★(7423)	2★(7423)	1★(6537)	1★(4564)
JNL/Fidelity Instl Asst Mgmt® Ttl Bd A	Intermediate Core-Plus Bond	3★(2683)	3★(2683)	2★(2483)	3★(1470)
JNL Multi-Manager Small Cap Value A	Small Blend	1★(2575)	1★(2575)	1★(2354)	1★(1662)
JNL/Invesco International Growth A	Foreign Large Growth	3★(2897)	3★(2897)	2★(2566)	3★(1672)
JNL/MFS Mid Cap Value A	Mid-Cap Value	4★(2569)	4★(2569)	4★(2411)	3★(1801)
JNL/Invesco Small Cap Growth A	Small Growth	4★(2856)	3★(2856)	3★(2704)	4★(1979)
JNL/WMC Global Real Estate A	Global Real Estate	3★(776)	2★(776)	2★(732)	3★(517)
JNL/Causeway International Value Sel A	Foreign Large Value	3★(1877)	4★(1877)	3★(1723)	3★(1366)
JNL/JPMorgan US Govt & Quality Bond A	Intermediate Government	4★(942)	3★(942)	4★(840)	4★(568)
JNL/JPMorgan MidCap Growth A	Mid-Cap Growth	4★(3127)	4★(3127)	4★(2958)	4★(2225)
JNL/Mellon Emerging Markets Index A	Diversified Emerging Mkts	3★(2070)	3★(2070)	3★(1681)	0—(1008)
JNL/Mellon S&P 400 MidCap Index A	Mid-Cap Blend	4★(2414)	3★(2414)	4★(2141)	4★(1472)
JNL/Mellon International Index A	Foreign Large Blend	3★(2676)	3★(2676)	3★(2391)	3★(1589)
JNL/Neuberger Berman Strategic Income A	Multisector Bond	3★(1478)	3★(1478)	3★(1331)	0—(648)
JNL/Mellon S&P 500 Index A	Large Blend	4★(8535)	3★(8535)	3★(7607)	4★(5325)
JNL/PIMCO Real Return A	Inflation-Protected Bond	3★(1029)	4★(1029)	3★(949)	3★(689)
JNL/Mellon Small Cap Index A	Small Blend	3★(2575)	2★(2575)	3★(2354)	3★(1662)
JNL/PPM America Floating Rate Income A	Bank Loan	3★(394)	2★(394)	2★(361)	3★(170)
JNL/Mellon Bond Index A	Intermediate Core Bond	2★(2791)	2★(2791)	2★(2315)	2★(1547)
JNL/T. Rowe Price Mid-Cap Growth A	Mid-Cap Growth	2★(3127)	2★(3127)	1★(2958)	3★(2225)
JNL/Invesco Global Growth A	World Large-Stock Growth	3★(1734)	3★(1734)	3★(1586)	3★(1127)
JNL/T. Rowe Price Value A	Large Value	5★(7423)	5★(7423)	4★(6537)	5★(4564)
JNL/DoubleLine Core Fixed Income A	Intermediate Core-Plus Bond	2★(2683)	1★(2683)	2★(2483)	2★(1470)

Annuity Expense Analysis Report

Investment Analysis

Current Contract

Perspective II (7-yr)

Subaccounts continued

Name	Morningstar Category	Morningstar Rating Overall	3-Year Morningstar Rating (Number of Subaccounts)	5-Year Morningstar Rating (Number of Subaccounts)	10-Year Morningstar Rating (Number of Subaccounts)
JNL/PPM America High Yield Bond A	High Yield Bond	3★(2453)	2★(2453)	3★(2204)	3★(1414)
JNL/WMC Value A	Large Value	3★(7423)	3★(7423)	2★(6537)	3★(4564)
JNL/T. Rowe Price Established Growth A	Large Growth	3★(9782)	2★(9782)	3★(8981)	3★(6380)
JNL/T. Rowe Price Short-Term Bond A	Short-Term Bond	3★(1463)	3★(1463)	3★(1323)	3★(797)
JNL/BlackRock Large Cap Select Growth A	Large Growth	3★(9782)	2★(9782)	3★(8981)	3★(6380)
JNL/Goldman Sachs Managed Conservative A	Allocation--15% to 30% Equity	3★(888)	3★(888)	3★(799)	3★(483)
JNL/WMC Government Money Market A	Money Market-Taxable	0—(998)	0—(998)	0—(936)	0—(518)
JNL/Goldman Sachs Managed Moderate Gr A	Allocation--50% to 70% Equity	3★(9967)	3★(9967)	4★(8160)	3★(4646)
JNL/Goldman Sachs Managed Agrsv Gr A	Allocation--85%+ Equity	5★(1271)	5★(1271)	5★(1136)	5★(872)
JNL/Goldman Sachs 4 A	Large Value	4★(7423)	3★(7423)	3★(6537)	4★(4564)
JNL Moderate Growth Allocation A	Allocation--50% to 70% Equity	3★(9967)	3★(9967)	3★(8160)	3★(4646)
JNL/Goldman Sachs Managed Moderate A	Allocation--30% to 50% Equity	4★(4222)	4★(4222)	4★(3644)	4★(1963)
JNL/Mellon Dow Index A	Large Value	5★(7423)	4★(7423)	5★(6537)	5★(4564)
JNL/Mellon World Index A	World Large-Stock Blend	4★(942)	4★(942)	4★(779)	3★(499)
JNL/Goldman Sachs Managed Growth A	Allocation--70% to 85% Equity	4★(2113)	4★(2113)	5★(1774)	4★(957)
JNL Aggressive Growth Allocation A	Allocation--85%+ Equity	4★(1271)	4★(1271)	4★(1136)	4★(872)
JNL Growth Allocation A	Allocation--70% to 85% Equity	4★(2113)	4★(2113)	3★(1774)	4★(957)
JNL/Mellon Nasdaq® 100 Index A	Large Growth	5★(9782)	4★(9782)	5★(8981)	5★(6380)
JNL/BlackRock Advantage International A	Foreign Large Blend	0—(2676)	0—(2676)	0—(2391)	0—(1589)
JNL/JPMorgan Global Allocation A	World Allocation	3★(3465)	2★(3465)	3★(3179)	0—(1300)
JNL/AQR Large Cap Defensive Style A	Large Blend	0—(8535)	0—(8535)	0—(7607)	0—(5325)
JNL/DFA International Core Equity A	Foreign Large Blend	0—(2676)	0—(2676)	0—(2391)	0—(1589)
JNL/PPM America Total Return A	Intermediate Core-Plus Bond	4★(2683)	4★(2683)	4★(2483)	4★(1470)
JNL/Harris Oakmark Global Equity A	World Large-Stock Value	5★(750)	4★(750)	5★(693)	0—(523)
JNL/ClearBridge Large Cap Growth A	Large Growth	2★(9782)	2★(9782)	0—(8981)	0—(6380)
JNL/Invesco Diversified Dividend A	Large Value	3★(7423)	3★(7423)	0—(6537)	0—(4564)
JNL/Mellon Industrials Sect A	Industrials	3★(127)	3★(127)	0—(89)	0—(79)
JNL/Mellon Real Estate Sect A	Real Estate	3★(997)	3★(997)	0—(876)	0—(662)
JNL/Mellon Consumers Staples Sect A	Consumer Defensive	3★(130)	3★(130)	0—(89)	0—(79)
JNL/Mellon Materials Sect A	Natural Resources	5★(792)	5★(792)	0—(703)	0—(396)
JNL/Baillie Gifford International Gr A	Foreign Large Growth	5★(2897)	5★(2897)	0—(2566)	0—(1672)
JNL/Mellon US Stock Market Index A	Large Blend	3★(8535)	3★(8535)	0—(7607)	0—(5325)
JNL/PIMCO Income A	Multisector Bond	3★(1478)	3★(1478)	0—(1331)	0—(648)
JNL/WMC Equity Income A	Large Value	3★(7423)	3★(7423)	0—(6537)	0—(4564)
JNL/Vanguard Moderate Growth ETF Allc A	Allocation--50% to 70% Equity	3★(9967)	3★(9967)	0—(8160)	0—(4646)
JNL/Vanguard Moderate ETF Allocation A	Allocation--30% to 50% Equity	3★(4222)	3★(4222)	0—(3644)	0—(1963)
JNL/Vanguard Growth ETF Allocation A	Allocation--70% to 85% Equity	3★(2113)	3★(2113)	0—(1774)	0—(957)
JNL/Mellon Equity Income A	Large Value	4★(7423)	3★(7423)	4★(6537)	0—(4564)

Annuity Expense Analysis Report

Investment Analysis

Current Contract

Perspective II (7-yr)

Subaccounts continued

Name	Morningstar Category	Morningstar Rating Overall	3-Year Morningstar Rating (Number of Subaccounts)	5-Year Morningstar Rating (Number of Subaccounts)	10-Year Morningstar Rating (Number of Subaccounts)
JNL/T. Rowe Price U.S. High Yield A	High Yield Bond	1★(2453)	2★(2453)	1★(2204)	0—(1414)
JNL/Lord Abbett Short Duration Income A	Short-Term Bond	0—(1463)	0—(1463)	0—(1323)	0—(797)
JNL/T. Rowe Price Balanced A	Allocation--50% to 70% Equity	3★(9967)	3★(9967)	3★(8160)	0—(4646)
JNL Multi-Manager Alternative A	Multistrategy	3★(472)	2★(472)	4★(387)	0—(95)
JNL/Loomis Sayles Global Growth A	World Large-Stock Growth	0—(1734)	0—(1734)	0—(1586)	0—(1127)
JNL Multi-Manager Mid Cap A	Mid-Cap Blend	5★(2414)	5★(2414)	0—(2141)	0—(1472)
JNL Conservative Allocation A	Allocation--15% to 30% Equity	3★(888)	3★(888)	3★(799)	0—(483)
JNL Moderate Allocation A	Allocation--30% to 50% Equity	3★(4222)	4★(4222)	3★(3644)	0—(1963)
JNL/RAFI® Fundamental US Small Cap A	Small Value	1★(2177)	1★(2177)	1★(2050)	1★(1506)
JNL/Mellon Communication Services Sect A	Communications	4★(145)	4★(145)	4★(140)	4★(115)
JNL/RAFI® Multi-Factor US Eq A	Large Value	3★(7423)	2★(7423)	3★(6537)	3★(4564)
JNL/Mellon Financial Sector A	Financial	4★(292)	3★(292)	4★(278)	5★(238)
JNL/Mellon Energy Sector A	Equity Energy	5★(308)	4★(308)	4★(280)	5★(165)
JNL/Mellon Consumer Discretionary Sect A	Consumer Cyclical	5★(174)	4★(174)	5★(167)	5★(135)
JNL/Mellon Healthcare Sector A	Health	4★(882)	3★(882)	4★(847)	4★(703)
JNL/Mellon Infor Tech Sect A	Technology	4★(897)	3★(897)	3★(847)	4★(637)
FIX(ED)	-	0—(0)	0—(0)	0—(0)	0—(0)
JNL iShares Tactical Moderate Growth A	Allocation--50% to 70% Equity	3★(9967)	2★(9967)	3★(8160)	0—(4646)
JNL Multi-Manager Emerging Markets Eq A	Diversified Emerging Mkts	2★(2070)	2★(2070)	2★(1681)	2★(1008)
JNL iShares Tactical Moderate A	Allocation--30% to 50% Equity	3★(4222)	3★(4222)	3★(3644)	0—(1963)
JNL/DFA US Small Cap A	Small Blend	2★(2575)	2★(2575)	2★(2354)	0—(1662)
JNL iShares Tactical Growth A	Allocation--70% to 85% Equity	3★(2113)	2★(2113)	3★(1774)	0—(957)
JNL/American Funds® Growth A	Large Growth	4★(9782)	4★(9782)	4★(8981)	3★(6380)
JNL/American Funds® Global Growth A	World Large-Stock Growth	4★(1734)	4★(1734)	4★(1586)	4★(1127)
JNL/Lazard International Strategic Eq A	Foreign Large Blend	4★(2676)	4★(2676)	4★(2391)	0—(1589)
JNL/WCM Focused International Equity A	Foreign Large Growth	5★(2897)	5★(2897)	5★(2566)	0—(1672)
JNL/Mellon Utilities Sector A	Utilities	2★(585)	2★(585)	2★(558)	0—(366)
JNL/DoubleLine Emerging Mkts Fxd Inc A	Emerging Markets Bond	2★(530)	2★(530)	2★(492)	0—(210)
JNL/American Funds Cptl Inc Builder A	World Allocation	0—(3465)	0—(3465)	0—(3179)	0—(1300)
JNL/JPMorgan Hedged Equity A	Options Trading	0—(129)	0—(129)	0—(117)	0—(11)
JNL/Westchester Capital Event Driven A	Event Driven	4★(102)	4★(102)	4★(86)	0—(50)
JNL/GQG Emerging Markets Equity A	Diversified Emerging Mkts	4★(2070)	4★(2070)	0—(1681)	0—(1008)
JNL/Heitman US Focused Real Estate A	Real Estate	0—(997)	0—(997)	0—(876)	0—(662)
JNL/Morningstar Wide Moat Index A	Large Blend	0—(8535)	0—(8535)	0—(7607)	0—(5325)
JNL/American Bond Fd of America A	Intermediate Core Bond	0—(2791)	0—(2791)	0—(2315)	0—(1547)
JNL Multi-Manager Intl Sm Cp A	Foreign Small/Mid Growth	0—(245)	0—(245)	0—(184)	0—(125)
JNL/Mellon MSCI KLD 400 Social Index A	Large Blend	4★(8535)	4★(8535)	0—(7607)	0—(5325)
JNL/DoubleLine® Shiller Enhanced CAPE® A	Large Value	5★(7423)	5★(7423)	5★(6537)	0—(4564)
JNL/T. Rowe Price Capital Appreciation A	Allocation--50% to 70% Equity	5★(9967)	5★(9967)	5★(8160)	0—(4646)
JNL/DoubleLine® Total Return A	Intermediate Core-Plus Bond	1★(2683)	1★(2683)	1★(2483)	0—(1470)

Annuity Expense Analysis Report

Investment Analysis

Current Contract
Perspective II (7-yr)

Subaccounts continued					
Name	Morningstar Category	Morningstar Rating Overall	3-Year Morningstar Rating (Number of Subaccounts)	5-Year Morningstar Rating (Number of Subaccounts)	10-Year Morningstar Rating (Number of Subaccounts)
JNL/PIMCO Investment Grade Credit Bd A	Corporate Bond	4☆(263)	4★(263)	4★(244)	0—(183)

Perspective Advisory

Benefits Detail

We are required to tell you about fees and conflicts of interest that may affect your decision to buy this variable annuity. You may be able to terminate your contract within the "free look" period and receive a refund of your payments or your contract value, which may be less.

Death and Living Benefits

You have chosen the following guaranteed death and/or living benefits, which are used to estimate the total annual cost. "Annual death and living benefits" is shown above in the "You Pay Each Year" section.

LifeGuard Freedom Net IS Value (Single) Default	0.85%
Total annual death and living benefits expense	0.85%

Death Benefit Details

Living Benefit Details

LifeGuard Freedom Net IS Value (Single) Default

Guarantees withdrawals up to a maximum withdrawal percentage each year until the death of an owner if the owner (or oldest owner if jointly owned) is at least 59½. If the first withdrawal is taken after age 35 and prior to age 59½, the benefit operates as a non-lifetime withdrawal benefit, allowing 3.0% annual withdrawals of the benefit base. On the contract anniversary on or immediately following the oldest owner reaching age 59½, the 'For Life' guarantee becomes effective and the guaranteed annual withdrawal amount is recalculated on the current benefit base at that time. At the time of the first withdrawal, the guaranteed withdrawal amount locks in at the applicable withdrawal percentage of the current benefit base determined by the age of the oldest owner and may be recalculated upon an anniversary value step-up if a new age band is crossed as follows: 35-64 3.0% 65-74 4.0% 75-80 4.5% 81+ 5.0% The amount of each withdrawal is increased by an Earnings-Sensitive Adjustment which is automatically included and equal to the lesser of: - 40% of the amount the account value exceeds the Earnings Determination Baseline (purchase payments less previous withdrawals in excess of GMWB Earnings); or, - 2/3 of the lesser of the remaining annual withdrawal amount or the current amount withdrawn. If the 'For Life' guarantee is not in effect, the Earnings-Sensitive Adjustment is equal to the benefit base minus the remaining annual withdrawal amount if less than the two amounts calculated above. The withdrawal percentage may increase if a step-up occurs that is greater than the Benefit Determination Baseline and the oldest owner has crossed into a new age band. The Benefit Determination Baseline is originally equal to the initial purchase payment net of any applicable premium taxes. Upon an anniversary value step-up that is greater than the current Benefit Determination Baseline, the Benefit Determination Baseline is reset to the step-up amount.

Annual Expense	0.85%
Estimated Annual Expense	\$1,232.50

The Annuity Expense Analysis Report is supplemental sales material and therefore must be preceded or accompanied by the current prospectus, or equivalent, of the subaccounts, a variable annuity contract and this disclosure statement.

The Annuity Expense Analysis Report provides an overview of the features and expenses of a particular variable annuity (VA) contract. An annuity is a tax-deferred investment structured to convert a sum of money into a series of payments over time. Variable annuity contracts have limitations and are not viewed as short-term liquid investments. An insurance company's fulfillment of a commitment to pay a minimum death benefit, a schedule of payments, a fixed investment account guaranteed by the insurance company, or another form of guarantee depends on the claims-paying ability of the issuing insurance company. Any such guarantee does not affect or apply to the investment return or principal value of the separate account and its subaccount.

All data presented is based on the most current information available to Morningstar, Inc. The information contained in this report is from the most recent information available to Morningstar as of the release date, and may or may not be an accurate reflection of the current composition of the securities included in the analysis. There is no assurance that the data will remain the same.

Morningstar Investment Management LLC, a registered investment adviser and wholly owned subsidiary of Morningstar, Inc., provide various institutional consulting services, including asset allocation advice to investment advisors who have or will be creating a fund-of-fund/asset allocation product. However, despite the fact that such relationships may exist, the information displayed for those products will not be influenced as they are objective measures and/or are derived by quantitative-driven formulas (i.e., Morningstar Rating).

Expense & Surrender Charge Analysis

The Hypothetical Cost Comparison is a comparison of the estimated annual fees of two variable annuity contracts, assuming equal invested amounts and a specified annual return for a specified time period.

The Hypothetical Exchange Comparison is a comparison of the estimated annual fees of two variable annuity contracts, assuming one is exchanged for the other, a specified annual return for a specified time period, and accounting for all applicable contingent charges and/or credits.

Expense Ratio %:

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

Hypothetical Annuity Value is the assumed amount invested in both contracts for the purpose of estimating annual costs.

Base Insurance Expenses are annual estimated costs in dollars of the base insurance charges of the variable annuity contracts.

Subaccount Expenses are the annual estimated costs in dollars of the management fees and other expenses of the variable annuity subaccounts, estimated by allocating the Hypothetical Annuity Value to certain subaccounts or by using the average of the expense ratios of all subaccounts offered in the

variable annuity contract.

Optional Benefit Expenses are the total of the annual charges for optional death or living benefits included in the analysis.

Death benefits are typically calculated as the greater of several values, including contract value, premiums applied, maximum anniversary value, rising floors, and

enhanced earnings benefits. Death benefit guarantees are subject to the claims-paying ability of the insurance company.

Contract Value: The current value of assets under management in the variable annuity subaccounts and the fixed account of the insurer (if applicable).

Net Premiums: Total premiums paid into the variable annuity contract less withdrawals and/or partial surrenders.

MAV: Maximum Anniversary Value is a death benefit that provides a floor of protection equal to the highest contract value of all contract anniversary dates.

Rising Floor: A death benefit that provides a floor of death benefit protection equal to the policy premiums accumulated at a stated guaranteed annual rate.

EEB: Earnings Enhancement Bonus. This feature enables beneficiaries to receive an additional percentage of policy earnings when death benefits are paid out.

Living Benefits are subject to the claims-paying ability of the insurance company and include the following:

Guaranteed Minimum Income Benefit (GMIB): A living benefit that provides a floor of protection on the amount of income that an annuitant may receive if he/she/they convert(s) the contract to an annuity.

Guaranteed Minimum Accumulation Benefit (GMAB): A living benefit that provides a base of protection on the contract value.

Guaranteed Minimum Withdrawal Benefit (GMWB): A living benefit that ensures the investor will receive a minimum amount of annual withdrawal from the contract over a stated number of years.

Estimated Annual Fees are the total estimated annual costs of the variable annuity contract assuming a 0% return.

Bonus is a provision in a VA contract whereby the insurer credits the contract with a percentage of the investment made into the contract by the investor, or based on contract value achieved. This provision is typically accompanied by a higher level of contract/rider expense or longer surrender period.

Additional Features and Benefits

Benefit Values indicate the current value of any death or living benefit in the variable annuity contracts.

Financial Strength

Financial Strength Ratings are provided by third-party organizations as a depiction of the financial strength of the insurance company. Financial strength is an important consideration for an investor especially with regard to death benefits, living benefits, and annuity protections offered by the contract.

The financial strength ratings quoted for an insurance company do not apply to the separate account and its subaccount. Variable annuity contracts are not FDIC insured, may lose money, and are not guaranteed by a bank or other financial

institution. If the variable annuity subaccount is invested in a money market fund, that investment in the fund is not insured or guaranteed by the FDIC or any other government agency.

A++, A+	Superior ability to meet ongoing obligations
A, A-	Excellent ability to meet ongoing obligations
B++, B+	Very good ability to meet ongoing obligations
B, B-	Fair ability to meet ongoing obligations
C++, C+	Marginal ability to meet ongoing obligations
C, C-	Weak ability to meet ongoing obligations
D	Poor ability to meet ongoing obligations
E	Under regulatory supervision
F	In liquidation
S	Rating has been suspended due to sudden, significant events impacting ability to meet ongoing obligation, but for which rating implications cannot yet be evaluated.
NR	Not rated

Fee and Expense Detail

Annual Contract Fee is the yearly fee charged to compensate the insurance company for the cost of maintaining and administering the variable annuity policy. Contract fees are often waived at a minimum level of investment. Front Loads are assessed by the insurance company on the initial contribution.

The Hypothetical Annual Return estimates the value of the contract given a specified annual rate of return for a specified time period.

M&E Risk Expense (%)

The mortality and expense charge (M&E) is the percentage of the subaccount's assets that the insurance company deducts to cover costs associated with mortality and expense risk. M&E fees may change in some cases. See annuity report for more details. For example, the M&E fee could change based upon a specified monthly account value, when a specified annual contract anniversary year is reached, when certain subaccounts are selected, when an optional account value death benefit is selected, etc. The provided examples are not an all inclusive list of potential cases that could change the M&E fee.

Administrative Expense is the percentage of the subaccount's assets that the insurance company deducts to cover the costs involved in offering and administering the policy, such as the cost of distribution and printing of correspondence.

Distribution Expense is intended to compensate the insurance company for a portion of its acquisition expenses under the annuity, including promotion and distribution of the annuity and costs associated with its offering. The distribution charge, if any, is typically deducted against the policy holders' annuity account value.

Subaccount Expenses are the average of the management, 12b-1, and other expenses of the subaccounts in the contract or the average of these expenses for the subaccounts selected for the analysis, weighted by allocation percentage. 12b-1 fee is the maximum annual charge deducted from fund assets to pay for distribution and marketing costs. This information is taken directly from the fund's prospectus.

Optional Benefit Expenses are the total of the percentage charges for any optional death and/or living benefits selected for the comparison.

Surrender Charges are deducted from a policy if an investor makes a withdrawal prior to a specified time. Not all variable annuity contracts have surrender charges. Withdrawals may trigger a taxable event. A 10% IRS penalty may apply to withdrawals prior to age 59-1/2.

Style Analysis

Data in this section is as of the date listed in the report and is the most recent information available to Morningstar. Please note there are no assurances that the information in this section will remain the same and is only valid for one point in time, which is the as of date.

The Morningstar Style Box reveals a subaccount's investment style as of the date noted on this report.

For equity subaccounts the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend, or growth).

For fixed-income subaccounts, the vertical axis shows the credit quality of the long bonds owned and the horizontal axis shows interest rate sensitivity as measured by a bond's effective duration.

Morningstar seeks credit rating information from fund companies on a periodic basis (e.g., quarterly). In compiling credit rating information, Morningstar instructs fund companies to only use ratings that have been assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). If two NRSROs have rated a security, fund companies are to report the lowest rating; if three or more NRSROs have rated the same security differently, fund companies are to report the rating that is in the middle. For example, if NRSRO X rates a security AA-, NRSRO Y rates the same security an A and NRSRO Z rates it a BBB+, the fund company should use the credit rating of 'A' in its reporting to Morningstar. PLEASE NOTE: Morningstar, Inc. is not itself an NRSRO nor does it issue a credit rating on the fund. An NRSRO rating on a fixed-income security can change from time-to-time.

For credit quality, Morningstar combines the credit rating information provided by the fund companies with an average default rate calculation to come up with a weighted-average credit quality. The weighted-average credit quality is currently a letter that roughly corresponds to the scale used by a leading NRSRO. Bond funds are assigned a style box placement of "low", "medium" or "high" based on their average credit quality. Funds with a low credit quality are those whose weighted-average credit quality is determined to be less than "BBB-"; medium are those less than "AA-", but greater or equal to "BBB-"; and high are those with a weighted-average credit quality of "AA-" or higher. When classifying a bond portfolio, Morningstar first maps the NRSRO credit ratings of the underlying holdings to their respective default rates (as determined by Morningstar's analysis of actual historical default rates). Morningstar then averages these default rates to determine the average default rate for the entire bond fund. Finally, Morningstar maps this average default to its corresponding credit rating along a convex curve.

For interest-rate sensitivity, Morningstar obtains from fund companies the average effective duration. Generally, Morningstar classifies a fixed-income fund's interest-rate sensitivity based on the effective duration of the Morningstar Core Bond Index (MCBI), which is currently three years. The classification of Limited will be assigned to those funds whose average effective duration is between 25% to 75% of MCBI's average effective duration; funds whose average effective duration is between 75% to 125% of the MCBI will be assigned as Moderate; and those that are at 125% or greater of the average effective duration of the MCBI will be classified as Extensive.

For municipal bond funds, Morningstar also obtains from fund companies the average effective duration. In these cases static breakpoints are utilized. These breakpoints are as follows: (i) Limited: 4.5 years or less; (ii) Moderate: more than 4.5 years but less than 7 years; and (iii) Executive: more than 7 years. In addition, for non-US taxable and non-US domiciled fixed income funds static duration breakpoints are used: (i) Limited: less than or equal to 3.5 years; (ii) Moderate: greater than 3.5 and less than or equal to 6 years; (iii) Extensive: greater than 6 years.

Morningstar Rating™

The Morningstar Rating™ for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics.

Risk and Return

The Morningstar Rating™ for funds, or "star rating", is calculated for subaccounts whose underlying investments have with at least a three-year history. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. The weights are: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. While the 10-year overall star rating formula seems to give the most weight to the 10-year period, the most recent three-year period actually has the greatest impact because it is included in all three rating periods.

Please note that some Morningstar proprietary calculations, including the Morningstar Rating, are calculated based on adjusted historical returns. If the extended performance rating is in effect, the "stars" are represented as unshaded stars. This investment's independent Morningstar Rating metric is compared against the variable annuity subaccount universe's actual performance breakpoints to determine its extended performance rating. The Overall Morningstar Rating for a variable annuity subaccount is derived from a weighted average of the actual performance figures associated with its three-, five- and 10-year (if applicable) Morningstar Rating metrics.

Morningstar Return rates a subaccount's performance relative to the other subaccounts in its Morningstar Category. It is an assessment of a subaccount's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison to the subaccounts in its Morningstar Category. In each Morningstar Category, the top 10% of subaccounts earn a High Morningstar Return (HIGH), the next 22.5% Above Average (+AVG), the middle 35% Average (AVG), the next 22.5% Below Average (-AVG), and the bottom 10% Low (LOW). Morningstar Return is measured for up to three time periods (three-, five- and 10-years). These separate measures are then weighted and averaged to produce an overall measure for the subaccount. Subaccounts with less than three years of performance history are not rated.

Morningstar Risk evaluates a subaccount's downside volatility relative to that of other subaccounts in its Morningstar Category. It is an assessment of the variations in a subaccount's monthly total returns, with an emphasis on downside variations, in comparison to the subaccounts in its Morningstar Category. In each Morningstar Category, the 10% of subaccounts with the lowest measured risk are described as Low Risk (LOW), the next 22.5% Below Average (-AVG), the middle 35% Average (AVG), the next 22.5% Above Average (+AVG), and the top 10% High (HIGH). Morningstar Risk is measured for up to three time periods (three-, five- and 10-years). These separate measures are then weighted and averaged to produce an overall measure for the subaccount. Subaccounts with less than three years of performance history are not rated.

Unregistered group variable annuities and registered group variable annuities that are solely available for use in qualified plans are rated and ranked based on their position within the bell curve of the open-end fund peer group (a.k.a. category), rather than the variable annuity subaccount peer group. These ratings and ranks are calculated by using an overlay of the open-end fund peer group breakpoints and therefore do not contribute to the category average or number of funds within the peer group.

Investment Risks

High-Yield Bond Subaccounts: The investor should note that subaccounts that invest in lower rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility and increased risk of default.

International /Emerging Market Subaccounts: The investor should note that subaccounts that invest in international securities involve special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Mid-Cap Subaccounts: The investor should note that subaccounts that invest in companies with smaller market capitalizations involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

Non-Diversified Subaccounts: The investor should note that subaccounts that invest more of their assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Sector Subaccounts: The investor should note that subaccounts that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Small-Cap Subaccounts: The investor should note that subaccounts that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure and are not as well established as larger blue chip companies. Historically, smaller company stocks have experienced a greater degree of market volatility than the overall market average.

High double-end and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

Perspective Advisory

Customer Agreement

I understand the expenses associated with this VA contract purchase.

Customer Agreement

Name (printed)

Name (printed)

Customer Agreement

Customer Agreement

Date

Date