

ERISA 404 retirement plan and investment information

07/20/2019

The retirement savings plan offered by AVI FOODSYSTEMS INC is a great way to help you save for the life you want in retirement. AVI FOODSYSTEMS, INC. 401(K) RETIREMENT SAVINGS PLAN (the Plan) has fees associated with the services and resources provided by the Plan.

Plan Fiduciary

The Plan Fiduciary is the individual(s) who has authority over the operation and administration of the Plan and its retirement funds. The Plan Fiduciary is typically your employer, and may also be called the Plan Sponsor.

Plan Administrator

The Plan Administrator, who is also a Plan Fiduciary, has the authority over the operation and administration of the Plan. If you have questions about the investment options available under the Plan or would like paper copies of additional investment information, you can obtain this information on principal.com or by contacting the Plan Administrator:

AVI FOODSYSTEMS INC
2590 ELM RD NE
WARREN, OH 44483-2904
330-372-6000

Information about ERISA Section 404(c)

The Employee Retirement Income Security Act (ERISA) provides rules on the investment of retirement funds. AVI FOODSYSTEMS INC has chosen to qualify the Plan as an ERISA 404(c) plan and intends to comply by providing information for you to make educated investment decisions and by letting you:

- Direct the investment of individual retirement accounts
- Choose from at least three diverse investment options
- Change investment choices at least quarterly

This means the Plan Fiduciary should not be liable for any investment losses that result from a participant's investment control.

Your future, your choice

The Plan Fiduciary makes certain investment options available to you under the Plan. But you are responsible for directing the retirement funds to the options available in the Plan that work best for you. You can make changes to your investment mix by logging into your account at principal.com. Learn more about the investment options available under the Plan online and in the Investment Option Summary.

Directing or transferring between investment options

Certain investment options may have restrictions. See the Investment Option Summary for details.

You can direct or transfer retirement funds between the different investment options at least quarterly, but the Plan may allow for more frequent transfers and changes. To update investment elections for your current balance or future contributions, log in to your account at principal.com or call us at 800.547.7754.

You may not direct contributions or investment transfers into Principal Financial Group, Inc. Stock Separate Account.

To transfer retirement funds, log in to your account at principal.com or call us at 800.547.7754.

Voting rights

A description of the exercise of voting, tender and similar rights for an investment alternative and any restrictions on these rights can be found in the relevant Plan document or trustee powers section of the trust agreement. If you would like copies of these documents, contact the Plan Administrator, if applicable.

Fees and expenses[†]

Plan administrative expenses are paid from the total investment expense of one or more of the Plan's investment options. Plan administrative expenses typically include items such as recordkeeping, participant website access, participant statements, Plan compliance services and financial professional services.

Occasionally, there may be additional Plan expenses during normal Plan operation for services such as legal, auditing, other service provider, consulting or investment advice. The Plan Fiduciary determines how these expenses are allocated at the time the expenses are paid. These expenses are typically allocated among participants based on participant account balance, but may be allocated by dividing the total expenses to be deducted by the total number of participants in the Plan. You can view the dollar amount of applicable expenses under your account at principal.com and on your statement.

Participant-level fees

Participant transaction fees will be charged to your account balance for the services you choose to use. Participant transaction fees for the Plan include:

- **Distribution fee:** \$50.00
- **Distribution in-kind fee:** \$50.00
- **Qualified Domestic Relations Order processing fee:** \$350.00 for each Domestic Relations Order processed. The fee is divided equally between the participant and the alternate payee involved unless specified differently within the Domestic Relations Order or the Plan's Administrative Procedures.

[†] If you have a balance in an investment that is excluded from the collection of expenses, we will collect the expense from the balances in other investments, beginning with the investment with the largest balance.

The following information is available upon request from the Plan Administrator (at no charge):

- Copies of prospectuses (or any short-form or summary prospectuses) for the investment options
- Copies of any financial statements or reports, such as statements of additional information and shareholder reports, and of any other similar materials relating to the Plan's designated investment options
- A statement of the value of a share or unit of each designated investment option and the date of the valuation
- A list of the assets comprising the portfolio of each investment option which constitute Plan assets and the value of each asset (or the proportion of the investment which it comprises)
- The following information about each investment option (including fixed-return investment options) available under the Plan: issuer name, investment objective, principal strategies and risks, turnover rate, performance, and fee and expense information
- To the extent a group annuity contract under the Plan permits you to select an annuity guaranteed by an insurance company, a statement that the guarantee provided by the insurance company is subject to its long-term financial strength and claims-paying ability

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To help you make informed investment choices and for more information about the investment options available to you, including investment objectives, performance and fees, please review the enclosed materials or visit principal.com.

Delivery of statements

This is a notice that your benefit statements are provided quarterly and are available by logging in to your account at **principal.com**. The statement includes any fees deducted on your retirement account and is being delivered electronically based on your continuous access to the website. You have the right to receive paper statements, free of charge, which you can elect that preference under your account, or by calling 800.547.7754 Monday through Friday, 7 a.m.-9 p.m. CT.

For important information on the plan's investment options, see the Investment Option Summary. Insurance products and plan administrative services provided through Principal Life Insurance Co. Securities are offered through Principal Securities, Inc, 800-547-7754, [member SIPC](#) and/or independent brokerdealers. Securities sold by a Principal Securities Registered Representative are offered through Principal Securities, Inc., Principal Securities and Principal Life are members of the Principal Financial Group, Des Moines, Iowa, 50392. Certain investment options may not be available in all states or U.S. commonwealths.

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Investment Option Summary

As of 06/30/2019

This document provides important information to help you compare the investment options available to you under the retirement plan.

Investment results shown represent historical performance and do not guarantee future results. Investment returns and principal values fluctuate with changes in interest rates and other market conditions so the value, when redeemed, may be worth more or less than original costs. Current performance may be lower or higher than the performance data shown. For additional information on the investment options, including most recent month-end performance, log in to the Principal Financial Group® website at principal.com or call our automated phone system at 1-800-547-7754.

Additional information available online includes, if applicable, the name of the investment option's issuer; the investment option's objectives or goals; the investment option's principal strategies, including a general description of the types of assets held by the investment option; the portfolio turnover rate; and the investment option's performance data and fee and expense information.

In situations where the net and gross total investment expense figures are different, the mutual fund or the underlying fund in which a Separate Account invests has waived/capped a portion of its management fees through the date displayed in the waiver expiration date or contractual cap expiration date column. Differences may also be shown due to the fund family choosing to pay certain expenses that would normally be payable by the fund. Returns displayed are based on total investment expense net.

Total Investment Expense - Gross is the current maximum expense ratio, as a percentage of assets that can be applied to this investment option.

Total Investment Expense - Net; you will be responsible for this expense and it will be automatically taken prior to calculating performance. Total Investment Expense Net is the Total Investment Expense Gross expense ratio less any fee waivers, reimbursements or caps, if applicable. The expenses ratio, as a percentage of net assets, includes applicable operating expenses, management fees, including 12b-1 fees, and administrative fees.

Fees and expenses are only one of several factors that participants and beneficiaries should consider when making investment decisions. Some or all of the Plan administrative expenses are paid from the total investment expense of one or more of the Plan's investment options. The cumulative effect of fees and expenses can substantially reduce the growth of a participant's or beneficiary's retirement account. Participants and beneficiaries can visit the Employee Benefit Security Administration's website for an example demonstrating the long-term effect of fees and expenses.

For a glossary of terms to assist you in understanding the designated investment options, log in to your account at principal.com.

Asset Class: **Short-Term Fixed Income**

This asset class is generally composed of short-term, fixed-income investment options that are largely liquid and are designed to not lose much value. These investment options may include stable value, money market, short-term bond, and guaranteed interest accounts. They are considered to be among the least risky forms of investment options. However, they typically have a lower rate of return than equities or longer-term fixed income investment options over long periods of time. Depending on the objectives of the investment options, they may experience price fluctuations and may lose value.

Investment Category: **Money Market**Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	Incept Date
Liquid Assets Separate Account A,5,16,24,25	0.99	1.85	1.02	0.49	0.17	4.36	1.49	0.26	0.09	4.39	12/1980
Benchmark: Bloomberg Barclays Treasury Bellwethers 3 Month Index	1.25	2.33	1.40	0.89	0.50	-	1.89	0.64	0.39	-	-

Description: The investment seeks as high a level of current income as is considered consistent with preservation of principal and maintenance of liquidity. It invests in a portfolio of high quality, short-term instruments. The investments are U.S. dollar denominated securities which the sub-advisor believes present minimal credit risks. The sub-advisor maintains a dollar weighted average portfolio maturity of 60 days or less.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period				
U.S. Bonds	11.10	Other	88.90	Total Inv Exp Net %			-				
				Contractual Cap Expiration Date			N/A				
				Waiver Expiration Date			N/A				
				Total Inv Exp Gross %			0.56				
				Total Inv Exp Gross Per \$1,000 Invested			\$5.60				
				Redemption Fee			-				

Asset Class: **Fixed Income**

This asset class is generally composed of investment options that invest in bonds, or debt of a company or government entity (including U.S. and Non- U.S.). It may also include real estate investment options that directly own property. These investment options typically carry more risk than short-term fixed income investment options (including, for real estate investment options, liquidity risk), but less overall risk than equities. All investment options in this category have the potential to lose value.

Investment Category: **Intermediate Core-Plus Bond**Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	Incept Date
Core Plus Bond Separate Account A,10,11,17,22,25,F	7.10	7.56	2.74	2.76	5.42	7.24	-1.86	2.21	5.59	7.14	2/1983
Benchmark: Bloomberg Barclays Aggregate Bond Index	6.11	7.87	2.31	2.95	3.90	-	0.01	2.52	3.48	-	-

Description: The investment option invests primarily in intermediate-term, fixed-income investments such as public and private corporate bonds, commercial and residential mortgages, asset-backed securities, and US government and agency-backed securities. Value is added primarily through sector allocation and security selection. The Separate Account may enter into reverse repurchase agreements to attempt to enhance portfolio return and income.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period				
Cash	-1.72	U.S. Stocks	0.03	Total Inv Exp Net %			0.72				
Non-U.S. Bonds	7.99	Convertibles	1.02	Contractual Cap Expiration Date			N/A				
Preferred	0.12	U.S. Bonds	92.78	Waiver Expiration Date			N/A				
Other	-0.22			Total Inv Exp Gross %			0.72				
				Total Inv Exp Gross Per \$1,000 Invested			\$7.20				
				Redemption Fee			-				

Asset Class: Fixed Income

This asset class is generally composed of investment options that invest in bonds, or debt of a company or government entity (including U.S. and Non- U.S.). It may also include real estate investment options that directly own property. These investment options typically carry more risk than short-term fixed income investment options (including, for real estate investment options, liquidity risk), but less overall risk than equities. All investment options in this category have the potential to lose value.

Investment Category: **Intermediate Government**

Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
Government & High Quality Bond Sep Acct A,10,11,27,F	4.42	6.26	1.65	2.27	3.21	4.08	0.75	2.08	2.50	3.99	7/1993	
Benchmark: Bloomberg Barclays US Agency Fixed Rate MBS Index	4.17	6.22	2.06	2.56	3.26	-	0.99	2.54	3.12	-	-	

Description: The investment seeks to achieve its investment objective by investing primarily in securities that are AAA rated or issued by the U.S. government, its agencies or instrumentalities. The investment may invest in mortgage-backed securities representing an interest in a pool of mortgage loans. These securities are rated AAA by Standard & Poor's Corporation or Aaa by Moody's Investor Services, Inc. or, if unrated, determined by the sub-advisor to be of equivalent quality. Management seeks undervalued securities that represent good long-term investment opportunities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period				
Cash	2.06	U.S. Bonds	97.94	Total Inv Exp Net %	0.59		1/30 day period				
				Contractual Cap Expiration Date	N/A						
				Waiver Expiration Date	N/A						
				Total Inv Exp Gross %	0.59						
				Total Inv Exp Gross Per \$1,000 Invested	\$5.90						
				Redemption Fee	-						

Asset Class: Balanced/Asset Allocation

This asset class is generally composed of a combination of fixed income and equity investment options. These investment options may include balanced, asset allocation, target-date, and target-risk investment options. Although typically lower risk than investment options that invest solely in equities, all investment options in this category have the potential to lose value.

Investment Category: **Target-Date Retirement**

Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
Principal LifeTime Strategic Income Separate Account A,8,11,13,14,20,25,31,32,F	8.83	6.09	4.85	3.39	6.29	4.52	-3.30	2.56	5.89	4.15	3/2001	
Benchmark: S&P Target Date Retirement Income Index	8.56	5.92	5.03	3.94	6.04	-	-2.54	3.06	5.31	-	-	

Description: The investment seeks current income, and as a secondary objective, capital appreciation. The fund is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities. Its asset allocation is designed for investors who are approximately 15 years beyond the normal retirement age of 65.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period				
Cash	3.05	U.S. Stocks	15.61	Total Inv Exp Net %	0.80		1/30 day period				
Non-U.S. Stocks	8.23	Non-U.S. Bonds	7.59	Contractual Cap Expiration Date	N/A						
Convertibles	0.58	Preferred	0.06	Waiver Expiration Date	N/A						
U.S. Bonds	64.81	Other	0.08	Total Inv Exp Gross %	0.80						
				Total Inv Exp Gross Per \$1,000 Invested	\$8.00						
				Redemption Fee	-						

Asset Class: **Balanced/Asset Allocation**

This asset class is generally composed of a combination of fixed income and equity investment options. These investment options may include balanced, asset allocation, target-date, and target-risk investment options. Although typically lower risk than investment options that invest solely in equities, all investment options in this category have the potential to lose value.

Investment Category: **Target-Date 2000-2010**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2010 Separate Account A,8,11,13,14,20,25,31,32,F	9.78	5.88	6.04	3.98	7.91	5.17	-4.06	3.01	7.48	4.77	3/2001
Benchmark: S&P Target Date 2010 Index	9.20	5.87	5.80	4.34	6.99	-	-3.10	3.40	6.24	-	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2010. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	4.12	U.S. Stocks	21.64	Total Inv Exp Net %			1/30 day period			
Non-U.S. Stocks	10.79	Non-U.S. Bonds	6.63	Contractual Cap Expiration Date			N/A			
Convertibles	0.50	Preferred	0.05	Waiver Expiration Date			N/A			
U.S. Bonds	56.19	Other	0.08	Total Inv Exp Gross %			0.80			
				Total Inv Exp Gross Per \$1,000 Invested			\$8.00			
				Redemption Fee			-			

Investment Category: **Target-Date 2020**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2020 Separate Account A,8,11,13,14,20,25,31,32,F	12.32	5.97	7.71	4.90	9.18	5.93	-5.86	3.50	8.53	5.41	3/2001
Benchmark: S&P Target Date 2020 Index	10.55	5.79	7.28	5.15	8.66	-	-4.16	4.10	7.86	-	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2020. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	2.96	U.S. Stocks	33.51	Total Inv Exp Net %			1/30 day period			
Non-U.S. Stocks	17.29	Non-U.S. Bonds	5.07	Contractual Cap Expiration Date			N/A			
Convertibles	0.40	Preferred	0.05	Waiver Expiration Date			N/A			
U.S. Bonds	40.60	Other	0.11	Total Inv Exp Gross %			0.83			
				Total Inv Exp Gross Per \$1,000 Invested			\$8.30			
				Redemption Fee			-			

Asset Class: **Balanced/Asset Allocation**

This asset class is generally composed of a combination of fixed income and equity investment options. These investment options may include balanced, asset allocation, target-date, and target-risk investment options. Although typically lower risk than investment options that invest solely in equities, all investment options in this category have the potential to lose value.

Investment Category: **Target-Date 2030**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2030 Separate Account A,8,11,13,14,20,25,31,32,F	14.58	5.85	9.13	5.65	10.05	6.21	-7.57	3.85	9.17	5.58	3/2001
Benchmark: S&P Target Date 2030 Index	12.78	5.56	8.82	5.89	9.91	-	-5.99	4.50	8.96	-	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2030. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	1.78	U.S. Stocks	45.01	Total Inv Exp Net %			1/30 day period			
Non-U.S. Stocks	23.26	Non-U.S. Bonds	3.76	Contractual Cap Expiration Date			N/A			
Convertibles	0.32	Preferred	0.05	Waiver Expiration Date			N/A			
U.S. Bonds	25.68	Other	0.13	Total Inv Exp Gross %			0.87			
				Total Inv Exp Gross Per \$1,000 Invested			\$8.70			
				Redemption Fee			-			

Investment Category: **Target-Date 2040**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2040 Separate Account A,8,11,13,14,20,25,31,32,F	16.01	5.87	10.29	6.18	10.66	6.50	-8.05	4.13	9.65	5.80	3/2001
Benchmark: S&P Target Date 2040 Index	14.45	5.26	10.01	6.47	10.73	-	-7.41	4.82	9.68	-	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2040. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	0.95	U.S. Stocks	54.63	Total Inv Exp Net %			1/30 day period			
Non-U.S. Stocks	25.90	Non-U.S. Bonds	1.57	Contractual Cap Expiration Date			N/A			
Convertibles	0.12	Preferred	0.03	Waiver Expiration Date			N/A			
U.S. Bonds	16.67	Other	0.13	Total Inv Exp Gross %			0.84			
				Total Inv Exp Gross Per \$1,000 Invested			\$8.40			
				Redemption Fee			-			

Asset Class: **Balanced/Asset Allocation**

This asset class is generally composed of a combination of fixed income and equity investment options. These investment options may include balanced, asset allocation, target-date, and target-risk investment options. Although typically lower risk than investment options that invest solely in equities, all investment options in this category have the potential to lose value.

Investment Category: **Target-Date 2050**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2050 Separate Account A,8,11,13,14,20,25,31,32,F	17.07	5.73	10.92	6.47	11.03	6.43	-8.83	4.26	9.89	5.67	3/2001
Benchmark: S&P Target Date 2050 Index	14.98	5.04	10.61	6.73	11.10	-	-7.94	5.01	10.02	-	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2050. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	1.30	U.S. Stocks	60.51	Total Inv Exp Net %	0.86		1/30 day period			
Non-U.S. Stocks	28.80	Non-U.S. Bonds	0.82	Contractual Cap Expiration Date	N/A					
Convertibles	0.06	Preferred	0.02	Waiver Expiration Date	N/A					
U.S. Bonds	8.35	Other	0.15	Total Inv Exp Gross %	0.86					
				Total Inv Exp Gross Per \$1,000 Invested	\$8.60					
				Redemption Fee	-					

Investment Category: **Target-Date 2060+**Inv Manager or Sub-Advisor: **Multiple Sub-Advisors**

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal LifeTime 2060 Separate Account A,8,9,11,13,14,20,25,31,32,F	17.55	5.51	11.09	6.51	-	8.99	-9.36	4.22	-	6.79	3/2013
Benchmark: S&P Target Date 2060+ Index	15.17	5.12	11.01	6.87	-	-	-7.95	5.12	-	-	-
Benchmark: Morningstar Lifetime Moderate 2060 Index	15.61	5.35	10.84	5.99	10.83	-	-8.69	4.34	10.22	6.49	-

Description: The investment seeks a total return consisting of long-term growth of capital and current income. The fund operates as a "target date fund" that invests according to an asset allocation strategy designed for investors having a retirement investment goal close to the year in 2060. It is a fund of funds and invests in underlying funds of Principal Funds, Inc. ("PFI"). Its underlying funds consist of domestic and foreign equity funds, fixed-income funds, real asset funds, and other funds that aim to offer diversification beyond traditional equity and fixed-income securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period			
Cash	1.50	U.S. Stocks	62.69	Total Inv Exp Net %	0.89		1/30 day period			
Non-U.S. Stocks	30.70	Non-U.S. Bonds	0.46	Contractual Cap Expiration Date	N/A					
Convertibles	0.03	Preferred	0.02	Waiver Expiration Date	N/A					
U.S. Bonds	4.45	Other	0.16	Total Inv Exp Gross %	0.89					
				Total Inv Exp Gross Per \$1,000 Invested	\$8.90					
				Redemption Fee	-					

Asset Class: **Large U.S. Equity**

This asset class is generally composed of investment options that invest in stocks, or shares of ownership in large, well-established, U.S. companies. These investment options typically carry more risk than fixed income investment options but have the potential for higher returns over longer time periods. They may be an appropriate choice for long-term investors who are seeking the potential for growth. All investment options in this category have the potential to lose value.

Investment Category: **Large Blend**Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
LargeCap S&P 500 Index Separate Account A,2,6,17,25,30,F	18.33	10.06	13.81	10.35	14.32	9.39	-4.66	8.14	12.75	8.92	1/1990	
Benchmark: Standard & Poor's 500 Index	18.54	10.42	14.19	10.71	14.70	-	-4.38	8.49	13.12	-	-	

Description: The investment option normally invests the majority of assets in common stocks of companies that compose the S&P 500 Index. Management attempts to mirror the investment performance of the index by allocating assets in approximately the same weightings as the S&P 500 Index. Over the long-term, management seeks a very close correlation between the performance of the Separate Account before expenses and that of the S&P 500 Index.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period	
Cash	3.19	U.S. Stocks	95.93	Total Inv Exp Net %	0.31		1/30 day period	
Non-U.S. Stocks	0.88			Contractual Cap Expiration Date	N/A			
				Waiver Expiration Date	N/A			
				Total Inv Exp Gross %	0.31			
				Total Inv Exp Gross Per \$1,000 Invested	\$3.10			
				Redemption Fee	-			

Asset Class: **Small/Mid U.S. Equity**

This asset class is generally composed of investment options that invest in stocks, or shares of ownership in small- to medium-sized U.S. companies. These investment options typically carry more risk than larger U.S. equity investment options but have the potential for higher returns. They may be an appropriate choice for long-term investors who are seeking the potential for growth. All investment options in this category have the potential to lose value.

Investment Category: **Mid Cap Value**Inv Manager or Sub-Advisor: **LA Capital Mgmt/Victory**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
MidCap Value I Separate Account A,1,3,12,23,26,F	18.12	4.53	9.69	5.91	13.35	8.37	-11.05	4.23	11.88	7.67	7/1999	
Benchmark: Russell Midcap Value Index	18.02	3.68	8.95	6.72	14.56	-	-12.29	5.44	13.03	-	-	

Description: The investment seeks long-term growth of capital. Under normal circumstances, the fund invests at least 80% of its net assets, plus any borrowings for investment purposes, in equity securities of companies with medium market capitalizations at the time of purchase. It invests in value equity securities, an investment strategy that emphasizes buying equity securities that appear to be undervalued. The fund also invests in real estate investment trusts.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period	
Cash	1.14	U.S. Stocks	97.30	Total Inv Exp Net %	0.79		1/30 day period	
Non-U.S. Stocks	1.54	Other	0.01	Contractual Cap Expiration Date	02/28/2021			
				Waiver Expiration Date	02/28/2021			
				Total Inv Exp Gross %	0.81			
				Total Inv Exp Gross Per \$1,000 Invested	\$8.10			
				Redemption Fee	-			

Asset Class: Small/Mid U.S. Equity

This asset class is generally composed of investment options that invest in stocks, or shares of ownership in small- to medium-sized U.S. companies. These investment options typically carry more risk than larger U.S. equity investment options but have the potential for higher returns. They may be an appropriate choice for long-term investors who are seeking the potential for growth. All investment options in this category have the potential to lose value.

Investment Category: **Small Blend**Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
SmallCap Separate Account A,1,21,25,28,F	19.25	-3.86	11.31	6.74	14.09	10.83	-11.35	4.24	12.07	10.33	1/1991	
Benchmark: Russell 2000 Index	16.98	-3.31	12.30	7.06	13.45	-	-11.01	4.41	11.97	-	-	

Description: The investment seeks long-term growth of capital and primarily invests in common stocks of small capitalization companies. It normally invests the majority of assets in companies with market capitalizations similar to those of companies in the Russell 2000 Index. Management looks at stocks with value and/or growth characteristics and constructs an investment portfolio that has a blend of stocks with these characteristics. Management does not have a policy of preferring one of these styles to the other. The Separate Account may invest up to 25% of assets in foreign securities.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period	
Cash	1.25	U.S. Stocks	98.63	Total Inv Exp Net %	0.92		1/30 day period	
Non-U.S. Stocks	0.11			Contractual Cap Expiration Date	N/A			
				Waiver Expiration Date	N/A			
				Total Inv Exp Gross %	0.92			
				Total Inv Exp Gross Per \$1,000 Invested	\$9.20			
				Redemption Fee	-			

Asset Class: International Equity

This asset class is composed of investment options that invest in stocks, or shares of ownership in companies with their principal place of business or office outside the United States. These investment options often carry more risk than U.S. equity investment options but may have the potential for higher returns. They may be an appropriate choice for long-term investors who are seeking the potential for growth. All investment options in this category have the potential to lose value.

Investment Category: **Foreign Large Blend**Inv Manager or Sub-Advisor: **Principal Global Investors**

Investment Option Name	Average Annual Total Return											
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)					Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept		
Diversified International Separate Account A,4,25,F	15.05	-1.36	7.64	2.29	7.45	6.93	-17.79	0.43	6.40	6.57	5/1987	
Benchmark: MSCI ACWI Ex USA Index	13.60	1.29	9.39	2.16	6.54	-	-14.20	0.68	6.57	-	-	

Description: The investment option normally invests the majority of assets in companies in at least three different countries. It invests in securities of companies with their principal place of business or principal office outside of the United States; companies for which the principal securities trade on a foreign exchange; and companies, regardless of where their securities are traded, that derive 50% or more of their total revenue from goods or services produced or sold outside of the United States. The Separate Account may invest in securities of companies with small to medium market capitalizations.

Composition (% of Assets) as of 05/31/2019				Fees & Expenses			# of Transfers Allowed/Time Period	
Cash	1.20	U.S. Stocks	3.10	Total Inv Exp Net %	1.07		1/30 day period	
Non-U.S. Stocks	94.46	Other	1.24	Contractual Cap Expiration Date	N/A			
				Waiver Expiration Date	N/A			
				Total Inv Exp Gross %	1.07			
				Total Inv Exp Gross Per \$1,000 Invested	\$10.70			
				Redemption Fee	-			

Asset Class: **Other**

This asset class is composed of investment options that do not match our other categories. Examples include investment options which concentrate on specific sectors such as technology, financials, and natural resources. These investment options may have varying degrees of risk and return potential and could lose value.

Investment Category: **N/A**

Inv Manager or Sub-Advisor:

Investment Option Name	Average Annual Total Return										
	(as of 06/30/2019 quarter end)						(as of 12/31/2018 year end)				Incept Date
	YTD Ret	1-Year	3-Year	5-Year	10-Year	Since Incept	1-Year	5-Year	10-Year	Since Incept	
Principal Financial Group, Inc. Stock Separate Account	32.92	13.38	15.31	5.74	14.53	7.18	-34.57	0.59	9.43	5.62	10/2001
Benchmark: Standard & Poor's 500 Index	18.54	10.42	14.19	10.71	14.70	-	-4.38	8.49	13.12	-	-

Description: The Principal Financial Group, Inc. Stock Separate Account invests in stock of the Principal Financial Group. The value of the investment option changes based on changes in the market value of the stock and expenses. The investment option seeks to provide long-term growth of capital. Additional information may be obtained by contacting 1-800-547-7754 or by accessing principal.com.

Composition (% of Assets) as of N/A	Fees & Expenses	# of Transfers Allowed/Time Period
N/A	Total Inv Exp Net %	0.46
	Contractual Cap Expiration Date	N/A
	Waiver Expiration Date	N/A
	Total Inv Exp Gross %	0.46
	Total Inv Exp Gross Per \$1,000 Invested	\$4.60
	Redemption Fee	-

Asset Class: **Short-Term Fixed Income**

Investment Option Name: **Guaranteed Interest Account 3 year ^u**

Description:

This investment option provides a guaranteed interest rate for 3 years. Guarantees are supported by the General Account of Principal Life Insurance Company (Principal Life), but you do not participate in the investment experience or performance of the General Account. Contributions and transfers allocated to this option will be credited interest at a guaranteed rate that Principal Life declares for a set period of time (the Guarantee Period). Guaranteed interest rates for new allocations are subject to change daily, and each amount allocated to the guaranteed interest account will earn interest based on this guaranteed interest rate in effect for the date that the amount is allocated to this guaranteed interest account. Your actual interest credited after the first deposit year is a composite of the guaranteed rates based on the actual dates of deposit, withdrawals and transfers. A surrender charge may apply to transfers or withdrawals from an unmatured guaranteed interest account. The reference rate used to determine if a charge applies is equal to the applicable fixed U.S. Treasury rate plus 0.50%. A charge applies when the reference rate is higher than the rate being credited to the unmatured funds being transferred or withdrawn. The amount of the surrender charge is calculated as follows: 1) the applicable fixed U.S. Treasury Rate plus 0.50% minus the rate being credited, multiplied by 2) the number of years and fractional parts of a year left in the guarantee period, multiplied by 3) the amount being surrendered. A surrender charge may not apply to withdrawals due to retirement, termination of employment, disability or death. For more information, call the automated phone system at 1-800-547-7754 or see the applicable fact sheet on principal.com for a more complete description of this investment option and the crediting rate. Crediting Rates shown are the rates that would have been received if \$1.00 was allocated on the date shown.

Crediting Rate	Crediting Period	Term
3-Year Full Rate: 0.90	Guarantee Period: 06/30/2019	3 years
3-Year Full Rate: 1.35	Guarantee Period: 03/31/2019	3 years
3-Year Full Rate: 1.80	Guarantee Period: 06/30/2018	3 years

Asset Class: Short-Term Fixed IncomeInvestment Option Name: **Guaranteed Interest Account 5 year**^u**Description:**

This investment option provides a guaranteed interest rate for 5 years. Guarantees are supported by the General Account of Principal Life Insurance Company (Principal Life), but you do not participate in the investment experience or performance of the General Account. Contributions and transfers allocated to this option will be credited interest at a guaranteed rate that Principal Life declares for a set period of time (the Guarantee Period). Guaranteed interest rates for new allocations are subject to change daily, and each amount allocated to the guaranteed interest account will earn interest based on this guaranteed interest rate in effect for the date that the amount is allocated to this guaranteed interest account. Your actual interest credited after the first deposit year is a composite of the guaranteed rates based on the actual dates of deposit, withdrawals and transfers. A surrender charge may apply to transfers or withdrawals from an unmatured guaranteed interest account. The reference rate used to determine if a charge applies is equal to the applicable fixed U.S. Treasury rate plus 0.50%. A charge applies when the reference rate is higher than the rate being credited to the unmatured funds being transferred or withdrawn. The amount of the surrender charge is calculated as follows: 1) the applicable fixed U.S. Treasury Rate plus 0.50% minus the rate being credited, multiplied by 2) the number of years and fractional parts of a year left in the guarantee period, multiplied by 3) the amount being surrendered. A surrender charge may not apply to withdrawals due to retirement, termination of employment, disability or death. For more information, call the automated phone system at 1-800-547-7754 or see the applicable fact sheet on principal.com for a more complete description of this investment option and the crediting rate. Crediting Rates shown are the rates that would have been received if \$1.00 was allocated on the date shown.

Crediting Rate	Crediting Period	Term
5-Year Full Rate: 1.20	Guarantee Period: 06/30/2019	5 years
5-Year Full Rate: 1.60	Guarantee Period: 03/31/2019	5 years
5-Year Full Rate: 2.10	Guarantee Period: 06/30/2018	5 years

Investors should carefully consider a mutual fund's investment objectives, risks, charges, and expenses prior to investing. A prospectus, or summary prospectus if available, containing this and other information can be obtained by contacting a financial professional, visiting principal.com, or calling 1-800-547-7754. Read the prospectus carefully before investing.

Before directing retirement funds to a separate account, investors should carefully consider the investment objectives, risks, charges, and expenses of the separate account as well as their individual risk tolerance, time horizon and goals. For additional information, contact us at 1-800-547-7754.

The value of the investment options will fluctuate so that when redeemed, shares or units may be worth more or less than the original cost.

An investment's past performance is not necessarily an indication of how the investment will perform in the future.

Since inception benchmark returns are displayed on the Investment Option Summary for investments that are less than 10 years old. The benchmark reflecting the Since Inception return is the Morningstar Category index. For some Sub-Advised investment options, two benchmarks will be displayed on the Investment Option Summary and the secondary index reflecting the Since Inception Return is the Morningstar Category index.

Investment Options may charge a short-term trading or redemption fee to protect the interests of long-term Contractholders.

^A Separate Accounts are available through a group annuity contract with Principal Life Insurance Company. Insurance products and plan administrative services, if applicable, are provided by Principal Life Insurance Company, a member of the Principal Financial Group, Des Moines, IA 50392. See the fact sheet for the full name of the Separate Account. Certain investment options may not be available in all states or U.S. commonwealths. Principal Life Insurance Company reserves the right to defer payments or transfers from Principal Life Separate Accounts as described in the group annuity contracts providing access to the Separate Accounts or as required by applicable law. Such deferment will be based on factors that may include situations such as: unstable or disorderly financial markets; investment conditions which do not allow for orderly investment transactions; or investment, liquidity, and other risks inherent in real estate (such as those associated with general and local economic conditions). If you elect to allocate funds to a Separate Account, you may not be able to immediately withdraw them.

Returns shown for periods of less than one year are not annualized. All returns displayed here are after net Total Investment Expense of the investment option.

Insurance products and plan administrative services are provided by Principal Life Insurance Company, a member of the Principal Financial Group (The Principal), Des Moines, IA 50392.

For a Separate Account investment option, Total Investment Expense net equals the sum of these expenses: (a) the amount of money, expressed as a percentage, deducted for the costs of managing a separate account where applicable, fees for plan administrative services and agent compensation, plus (b) if the separate account invests in an underlying mutual fund, the total fund operating expenses of the underlying mutual fund, plus (c) if an underlying mutual fund invests in other mutual funds, the weighted-average management fee of those other mutual funds, as listed in the most recent prospectus. The actual gross Total Investment Expense may change if an underlying mutual fund's allocation of assets to other mutual funds changes.

Several investment companies have decided to impose redemption fees and/or transfer restrictions on certain plan and/or participant transactions. One or more of the investment options in your employer's retirement plan may be impacted. For more information, visit The Principal Web site at principal.com.

These results are for the investment options available through your Plan Sponsor's retirement plan, and may be different from the results for other retirement plans. Past performance is not a guarantee of future results. Principal values and investment returns will fluctuate so that values upon redemption may be worth more or less than original costs. Total returns illustrated are net of investment expenses and management fees.

Principal Life is an investment manager as defined in ERISA with regard to its Separate Accounts.

Since inception returns are only shown for funds/accounts in existence for less than 10 years.

- ¹ Small-cap and mid-cap investment options are subject to more fluctuation in value and may have additional risks than other investment options with stocks of larger, more stable companies.
- ² Each index based investment option is invested in the stocks or bonds of the index it tracks. Performance of indexes reflects the unmanaged results for the market segment the selected stocks or bonds represent. There is no assurance an index based investment option will match the performance of the index tracked.
- ³ This Separate Account invests solely in the least expensive share class of the Principal Funds. All voting rights associated with ownership of shares in the mutual fund are the rights of the Separate Account, not of contract holders investing in the Separate Account. For further information on the underlying mutual fund, see the prospectus of the fund.
- ⁴ International and global investment options are subject to additional risk due to fluctuating exchange rates, foreign accounting and financial policies, and other economic and political environments.
- ⁵ Liquid asset investment options are not insured or guaranteed by the Federal Deposit Insurance Corporation (FDIC), or any other government agency. Although the investment option may seek to preserve the value of an investment, it is possible to lose money by investing in the portfolio.
- ⁶ S&P 500 is a trademark of S&P Global and is used under license. The product is not sponsored, endorsed, sold or promoted by Standard & Poor's and Standard & Poor's makes no representation regarding the advisability of investing in the product.
- ⁷ Effective November 13, 2006, this portfolio is sub-advised by Goldman Sachs Asset Management. From November 18, 2002, to November 16, 2006, the portfolio was sub-advised by Goldman Sachs Asset Management and Wellington Management Company, LLP. The portfolio has had various sub-advisors since its inception. Performance results displayed reflect all sub-advisors managing this portfolio during the time periods displayed.
- ⁸ Equity investment options involve greater risk, including heightened volatility, than fixed-income investment options. Fixed-income investment options are subject to interest rate risk, and their value will decline as interest rates rise.
- ⁹ Asset allocation does not guarantee a profit or protect against a loss. Investing in real estate, small-cap, international, and high-yield investment options involves additional risks.
- ¹⁰ Fixed-income investment options are subject to interest rate risk, and their value will decline as interest rates rise. Neither the principal of bond investment options nor their yields are guaranteed by the U.S. government.
- ¹¹ Fixed-income and asset allocation investment options that invest in mortgage securities are subject to increased risk due to real estate exposure.
- ¹² This Separate Account invests solely in the least expensive share class of a mutual fund (Fund) from Principal Funds, Inc. The investment manager of the Fund, Principal Global Investors, invests between 10% and 40% of the Fund's assets in common stocks in an attempt to match or exceed the performance of the Fund's benchmark index for performance.
- ¹³ Asset allocation and diversification do not ensure a profit or protect against a loss. Additionally there is no guarantee this investment option will provide adequate income at or through retirement.
- ¹⁴ The Investment Advisor will display "Multiple Sub-Advisors" for certain target-date, target-risk and specialty investment options where the assets are directed by the Investment Manager to multiple underlying investment options. These underlying investment options may use multiple sub-advisors who are responsible for the day-to-day management responsibilities.
- ¹⁵ This investment option is subject to investment and liquidity risk and other risks inherent in real estate such as those associated with general and local economic conditions. If you elect to contribute funds into the U.S. Property Separate Account, withdrawals may be delayed for up to 3 years.
- ¹⁶ The net return experienced may be negative if the costs to maintain and operate the Liquid Assets Separate Account exceed returns. Participants may also see negative returns if plan expenses, if applicable, are netted or deducted from their accounts.
- ¹⁷ The risks associated with derivative investments include that the underlying security, interest rate, market index, or other financial asset will not move in the direction the Investment Adviser and/or Sub-Advisor anticipated, the possibility that there may be no liquid secondary market, the risk that adverse price movements in an instrument can result in a loss substantially greater than a fund's initial investment, the possibility that the counterparty may fail to perform its obligations; and the inability to close out certain hedged positions to avoid adverse tax consequences.

- ¹⁸ Formerly known as MidCap Blend Separate Account.
- ¹⁹ This investment option has closed to new investors, effective June 14, 2013. Retirement plans in transition will have until August 15, 2013 to direct assets to the investment option. Existing investors and participants in retirement plans using the investment option may continue to make purchases and elect to use the investment option.
- ²⁰ International and global investing involves greater risks such as currency fluctuations, political/social instability and differing accounting standards.
- ²¹ Formerly known as SmallCap Blend Separate Account.
- ²² Formerly known as Bond and Mortgage Separate Account.
- ²³ Effective June 30, 2016, this portfolio is sub-advised by LA Capital and Victory Capital. Prior to June 30, 2016, the portfolio was sub-advised by Goldman Sachs and LA Capital. The portfolio has had various sub-advisors since its inception. Performance results displayed reflect all sub-advisors managing this portfolio during the time periods displayed.
- ²⁴ Prior to January 1, 2017, the name of this investment option was Principal Money Market Separate Account.
- ²⁵ Investment manager/sub-advisor means either the Investment Advisor or Sub-Advisor to the investment option or the underlying asset(s). Principal Life Insurance Company is the Investment Manager as defined by ERISA, with regard to the assets of the Separate Accounts. Principal Global Investors is a member of the Principal Financial Group.
- ²⁶ Investment manager/sub-advisor means either the Investment Advisor or Sub-Advisor to the investment option or the underlying asset(s).
- ²⁷ Investment manager/sub-advisor means either the Investment Advisor or Sub-Advisor to the investment option or the underlying asset(s). Principal Life Insurance Company is the Investment Manager as defined by ERISA, with regard to the assets of the Separate Accounts. Principal Global Investors is a member of the Principal Financial Group. Edge Asset Management is an internal investment boutique of Principal Global Investors.
- ²⁸ Holdings include an allocation to the Principal Healthcare Innovators Index ETF which is maintained by an affiliate of Principal Life. To eliminate any potential for cost duplication to the separate account, the full expense of the ETF is offset by the sub-advisor.
- ²⁹ Effective September 21, 2018, this portfolio is sub-advised by Principal Global Investors. Prior to September 21, 2018, the portfolio was sub-advised by DFA and Principal Global Investors. The portfolio has had various sub-advisors since its inception. Performance results displayed reflect all sub-advisors managing this portfolio during the time periods displayed.
- ³⁰ For the NE Rate level, Principal Life Insurance Company (Principal Life) 1. pays the Sub-Adviser the management fee and compensation for services provided to the separate account, and 2. pays the separate account the expected operating expenses proportionally attributable to the NE Rate level in the maintenance of the Separate Account. Operating expenses may be greater or less than expected in any given period. The NE Rate level is only available to Contract holders who meet certain requirements and select certain additional products and services made available by Principal Life or an affiliate. Ask your Principal representative for additional details.
- ³¹ This Separate Account invests directly in the Institutional class shares of a Principal LifeTime Fund. The mutual fund operating expenses for each Principal LifeTime Fund are reflected in the Total Investment Expense of the Separate Accounts well as the operating expenses of the underlying funds in which the Principal LifeTime Fund invests. Based on the asset allocation of the Principal LifeTime Funds as in the prospectus dated March 1, 2019, the weighted average operating expenses of the underlying funds are: Principal LifeTime Strategic Income, 0.62%; Principal LifeTime 2010, 0.63%; Principal LifeTime 2015, 0.64%; Principal LifeTime 2020, 0.66%; Principal LifeTime 2025, 0.67%; Principal LifeTime 2030, 0.70%; Principal LifeTime 2035, 0.65%; Principal LifeTime 2040, 0.67%; Principal LifeTime 2045, 0.68%; Principal LifeTime 2050, 0.69%; Principal LifeTime 2055, 0.70%; Principal LifeTime 2060, 0.70%; Principal LifeTime 2065, 0.69%. For further information on all mutual fund expenses, see the prospectus of the underlying Principal LifeTime Fund. All voting rights associated with ownership of shares in the mutual fund are the rights of the Separate Account, not of contract holders investing in the Separate Account.
- ³² Additional target date portfolios may be added to the Principal LifeTime portfolios series to accommodate plan participants with later normal retirement dates as they enter the workforce. Participants may also choose a portfolio with a target date that does not match the intended retirement date. Compare the different portfolios to see how the mix of investments might shift.
- ^F Investment option limits transfer activity. Once the number of allowed transfers is met, participants are not allowed to transfer back into an investment option which they have transferred out of until the holding period elapses. All participant investment transfers and non-scheduled rebalancing activity are counted toward the number of transfers allowed. Contributions into the investment option are not impacted. Participants may still transfer out to different investment options or to money market or Guaranteed options.
- ^U The historical performance displayed for the guaranteed interest account are calculated as an accumulation of interest based on the average applicable interest rates in effect over the time period. Interest rates are market based and future interest rates will be based on future market conditions. For time periods prior to inception date of the investment option, predecessor performance is reflected. Please see the investment option's offering document for more information on specific expenses, and the investment option's most recent offering document for actual date of first sale. Expenses are deducted from income earned by the investment option. As a result, investment results will differ for each class of contracts. Past rates are not indicative of expected future rates. Current crediting rates may be lower or higher than what is shown here.

The guaranteed interest account is the guaranteed portion of the insurance contract and provides a guaranteed interest rate for specified periods of time. As an insurance guarantee, this option does not have a fixed investment management fee or expense ratio; those are concepts unique to investment products. Rather, the guarantee is backed by the General Account of Principal Life Insurance Company. The calculation of each guarantee includes some amount of expected costs and expenses. While we target a certain level of expense, there are many factors that can change our actual cost of providing the guarantee. This can include factors such as changes in the interest rate environment. While it is impossible to know the actual expense due to these factors, Principal Life Insurance Company, as a provider of administrative services to the plan, assumes that it will receive 65 basis points (from the expense built into the guaranteed interest account) as part of the overall fee arrangement a plan pays for services from Principal Life.

- Principal Life works with each fund family to implement each funds' policy and establish frequent trading guidelines that best mirror Prospectus language. Mutual Fund Network investment managers have the ability to monitor for excessive trading and may enforce frequent purchase limitations in addition to or in lieu of policy monitored by Principal Life Insurance Company. Please refer to the Prospectus for verification.

Benchmark Descriptions

S&P Target Date 2060 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

S&P Target Date 2010 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

S&P Target Date Retirement Income Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

Bloomberg Barclays Treasury Bellwethers 3 Month Index is composed of public obligations of the U. S. Treasury with a maturity of three months.

S&P Target Date 2050 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

Russell 2000 Index consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 10% of the Russell 3000 total market capitalization.

Russell Midcap Value Index is a market-weighted total return index that measures the performance of companies within the Russell Midcap index having lower price-to-book ratios and lower forecasted growth values.

Morningstar Lifetime Moderate 2060 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 50 years away from retirement.

S&P Target Date 2040 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

MSCI ACWI Ex USA Index is a free float-adjusted market capitalization index that is designed to measure the combined equity market performance of developed and emerging market countries excluding the US.

S&P Target Date 2030 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

Standard & Poor's 500 Index is a market capitalization-weighted index of 500 widely held stocks often used as a proxy for the stock market.

S&P Target Date 2020 Index provides varying levels of exposure to equities and fixed income. Each target date allocation is created and retired according to a pre-determined schedule related to the respective target date.

Bloomberg Barclays Aggregate Bond Index represents securities that are domestic, taxable, and dollar denominated. The index covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

Bloomberg Barclays US Agency Fixed Rate MBS Index covers the fixed-rate mortgage-backed pass-through securities issued by GinnieMae (GNMA), Fannie Mae (FNMA), and Freddie Mae (FHLMC).

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