



Available through Pacific Life Variable Annuities

Optional benefits are available for an additional cost.

#### PORTFOLIO INFORMATION AS OF 9/30/23

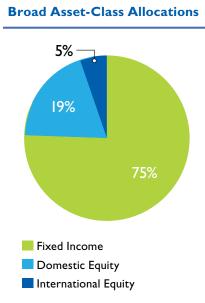
Why	The Portfolio Optimization Portfolios are designed to make investment diversification easier for you by offering			
Portfolio Optimization	• One-Step Diversification: Each Portfolio Optimization Portfolio is a fund-of-funds diversified among multiple asset classes, providing you with a core asset-allocation solution to help meet your financial goals.			
Portfolios	• A Dedicated Team that Manages Multi-Asset-Class Solutions: The portfolio management team's investment approach uses three fundamental disciplines:			
	<ul> <li>Asset allocation</li> </ul>			
	<ul> <li>Manager research</li> </ul>			
	<ul> <li>Investment risk management</li> </ul>			
	• Target-Risk Portfolios to Fit Your Needs: The Portfolio Optimization Portfolios range in investment style from conservative to aggressive-growth to help match your risk tolerance and investment goals.			
Why A Pacific Life	A variable annuity is a long-term contract between you and an insurance company that helps you grow, protect, and manage retirement savings in a tax-advantaged way. Variable annuities can provide:			
Variable Annuity	• Protected monthly lifetime income so that you have money for as long as you live.			
	• Protection against market loss through optional benefits that help minimize downside risk.			
	• Tax-deferred growth so that your money grows faster through the power of compounding.			
	<ul> <li>Flexible access to your money should you need it for the unexpected.</li> </ul>			
	• Protection for your loved ones if you pass away.			
	Our variable annuities also offer features such as asset allocation and optional principal protection.			

Annuity withdrawals and other distributions of taxable amounts, including death benefit payouts, will be subject to ordinary income tax. For nonqualified contracts, an additional 3.8% federal tax may apply on net investment income. If withdrawals and other distributions are taken prior to age 59½, an additional 10% federal tax may apply. A withdrawal charge also may apply. Withdrawals will reduce the contract value and the value of the death benefits, and also may reduce the value of any optional benefits.

Insurance products can be issued in all states, except New York, by Pacific Life Insurance Company or Pacific Life & Annuity Company. In New York, insurance products are only issued by Pacific Life & Annuity Company. Product/material availability and features may vary by state.

PORTFOLIO INFORMATION AS OF 9/30/23

#### CONSERVATIVE 🗸



Each underlying fund may include exposure to multiple broad asset classes. Total allocation percentages may not equal 100% due to rounding.

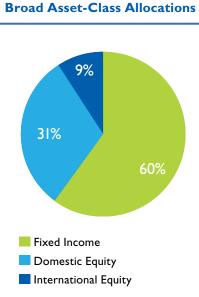
Although some portfolios may have names or investment goals that resemble retail mutual funds managed by the same money manager, these portfolios may not have the same underlying holdings or performance as the retail mutual funds. Investment results may be higher or lower. Morningstar Category classifications represent asset-class categories provided by a third party, Morningstar, Inc. Categories listed within a range of equity exposure indicate the potential equity range for all the investments within the respective category and may not reflect the exact allocation makeup of a variable annuity investment option offered by Pacific Life.

Manager/ Fund Name	Morningstar Category <sup>™</sup>	Allocation (%)	
Fixed	Income		
Aristotle Pacific Capital High Yield Bond	High-Yield Bond	3.6	
Aristotle Pacific Capital Core Income	Intermediate Core-Plus Bond	8.6	
Aristotle Pacific Capital Floating Rate Income	Bank Loan	1.0	
JPMorgan Intermediate Term Bond	Intermediate Core Bond	12.8	
<b>PIMCO</b> Inflation Managed	Inflation-Protected Bond	3.0	
PIMCO Managed Bond	Intermediate Core Bond	15.9	
Principal Emerging Markets Debt	Emerging-Markets Bond	3.0	
T. Rowe Price Short Duration Bond	Short-Term Bond	13.4	
Western Asset Management Diversified Bond	Intermediate Core Bond	14.2	
Domes	tic Equity		
AB Small-Cap Value	Small Value	0.2	
American Century Value	Large Value	2.0	
BlackRock Equity Index	Large Blend	0.9	
BlackRock Large-Cap Growth	Large Growth	1.9	
Boston Partners Mid-Cap Value	Mid-Cap Value	1.5	
ClearBridge Large-Cap Value	Large Value	1.8	
Delaware Mid Cap Growth	Mid-Cap Growth	1.9	
Franklin/BlackRock Small-Cap Equity	Small Value	0.2	
Janus Focused Growth	Large Growth	1.6	
JPMorgan Large-Cap Core Core	Large Blend	2.7	
JPMorgan Value Advantage	Large Value	1.7	
MFS <sup>®</sup> Growth	Large Growth	1.6	
Scout Investments Mid-Cap Equity	Mid-Cap Blend	1.0	
International Equity			
ClearBridge International Growth	Foreign Large Growth	2.1	
Invesco Emerging Markets	Diversified Emerging Markets	1.0	
MFS <sup>®</sup> International Large-Cap	Foreign Large Blend	0.7	
Wellington International Value	Foreign Large Value	1.7	

Eligible for an optional living benefit.

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#### MODERATE-CONSERVATIVE 🗸



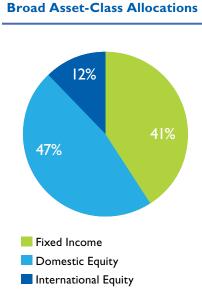
Each underlying fund may include exposure to multiple broad asset classes. Total allocation percentages may not equal 100% due to rounding.

Manager/ Fund Name	Morningstar Category	Allocation (%)	
Fixed	Income		
Aristotle Pacific Capital Core Income	Intermediate Core-Plus Bond	7.2	
Aristotle Pacific Capital Floating Rate Income	Bank Loan	0.5	
Aristotle Pacific Capital High Yield Bond	High-Yield Bond	2.6	
JPMorgan Intermediate Term Bond	Intermediate Core Bond	10.8	
PIMCO Inflation Managed	Inflation-Protected Bond	1.5	
PIMCO Managed Bond	Intermediate Core Bond	13.2	
Principal Emerging Markets Debt	Emerging-Markets Bond	1.5	
T. Rowe Price Short Duration Bond	Short-Term Bond	10.3	
Western Asset Management Diversified Bond	Intermediate Core Bond	12.0	
Domes	tic Equity		
AB Small-Cap Value	Small Value	0.4	
American Century Value	Large Value	3.2	
BlackRock Equity Index	Large Blend	1.9	
BlackRock Large-Cap Growth	Large Growth	4.0	
BlackRock Small-Cap Index	Small Blend	0.3	
Boston Partners Mid-Cap Value	Mid-Cap Value	1.5	
ClearBridge Large-Cap Value	Large Value	3.3	
Delaware Mid-Cap Growth	Mid-Cap Growth	1.5	
Franklin/BlackRock Small-Cap Equity	Small Value	0.4	
Janus Focused Growth	Large Growth	2.1	
JPMorgan Large-Cap Core	Large Blend	4.2	
JPMorgan Value Advantage	Large Value	2.6	
MFS <sup>®</sup> Growth	Large Growth	2.4	
MFS <sup>®</sup> Small-Cap Growth	Small Growth	0.3	
Principal Real Estate	Real Estate	0.5	
Scout Investments Mid-Cap Equity	Mid-Cap Blend	1.0	
T. Rowe Price Dividend Growth	Large Blend	1.3	
International Equity			
ClearBridge International Growth	Foreign Large Growth	3.7	
Invesco Emerging Markets	Diversified Emerging Markets	1.5	
MFS <sup>®</sup> International Large-Cap	Foreign Large Blend	I.4	
Wellington International Value	Foreign Large Value	2.8	



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#### MODERATE 🗸

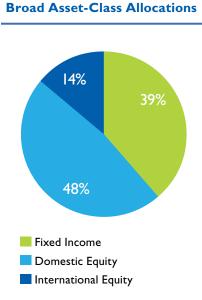


Each underlying fund may include exposure to multiple broad asset classes. Total allocation percentages may not equal 100% due to rounding.

Fixed IncomeAristotle Pacific Capital Core IncomeIntermediate Core-Plus Bond4.7Aristotle Pacific Capital High Yield BondHigh-Yield Bond2.1JPMorgan Intermediate Term BondIntermediate Core Bond7.0PIMCO Inflation ManagedInflation-Protected Bond1.0PIMCO Managed BondIntermediate Core Bond8.3Principal Emerging Markets DebtEmerging-Markets Bond1.0T. Rowe Price Short Duration BondShort-Term Bond8.8Western Asset ManagementIntermediate Core Bond7.8Diversified BondLarge Value4.3BlackRock EquityLarge Value4.3BlackRock Large-Cap GrowthLarge Blend3.6BlackRock Large-Cap GrowthLarge Growth5.1BlackRock Small-Cap ValueMid-Cap Value2.0ClearBridge Large-Cap ValueLarge Value4.6Delaware Mid-Cap GrowthLarge Growth3.8JPMorgan Large-Cap CoreLarge Growth3.8JPMorgan Large-Cap CoreLarge Growth3.8JPMorgan Large-Cap CoreLarge Growth3.7MFS® GrowthLarge Growth3.7MFS® Small-Cap GrowthSmall Growth0.7Principal Real EstateReal Estate0.5Scout Investments Mid-Cap EquityMid-Cap Blend1.0T. Rowe Price Dividend GrowthLarge Blend3.4JPMorgan Large-Cap CoreLarge Growth3.7MFS® Small-Cap GrowthSmall Growth0.7Principal Real Estate	Manager/ Fund Name	Morningstar Category	Allocation (%)
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MFS® GrowthLarge Growth3.7MFS® Small-Cap GrowthSmall Growth0.7Principal Real EstateReal Estate0.5Scout Investments Mid-Cap EquityMid-Cap Blend1.0T. Rowe Price Dividend GrowthLarge Blend3.4International EquityClearBridge International GrowthForeign Large Growth4.8FIAM LLC International Small-CapForeign Small/Mid-Blend0.5Invesco Emerging MarketsDiversified Emerging Markets2.0	JPMorgan Large-Cap Core	Large Blend	6.4
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T. Rowe Price Dividend GrowthLarge Blend3.4International EquityClearBridge International GrowthForeign Large Growth4.8FIAM LLC International Small-CapForeign Small/Mid-Blend0.5Invesco Emerging MarketsDiversified Emerging Markets2.0	Principal Real Estate	Real Estate	0.5
International EquityClearBridge International GrowthForeign Large Growth4.8FIAM LLC International Small-CapForeign Small/Mid-Blend0.5Invesco Emerging MarketsDiversified Emerging Markets2.0	Scout Investments Mid-Cap Equity	Mid-Cap Blend	1.0
ClearBridge International GrowthForeign Large Growth4.8FIAM LLC International Small-CapForeign Small/Mid-Blend0.5Invesco Emerging MarketsDiversified Emerging Markets2.0	T. Rowe Price Dividend Growth	Large Blend	3.4
FIAM LLC International Small-CapForeign Small/Mid-Blend0.5Invesco Emerging MarketsDiversified Emerging Markets2.0	Internati	onal Equity	
Invesco Emerging Markets Diversified Emerging Markets 2.0	ClearBridge International Growth	Foreign Large Growth	4.8
	FIAM LLC International Small-Cap	Foreign Small/Mid-Blend	0.5
MES <sup>®</sup> International Large Cap Ecroign Large Bland 2.0	Invesco Emerging Markets	Diversified Emerging Markets	2.0
rifs international Large-Cap i foreign Large biend 2.0	MFS <sup>®</sup> International Large-Cap	Foreign Large Blend	2.0
Wellington International ValueForeign Large Value3.0	Wellington International Value	Foreign Large Value	3.0

PORTFOLIO INFORMATION AS OF 9/30/23

#### **GROWTH ♦**



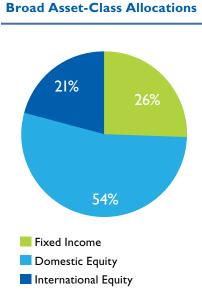
Each underlying fund may include exposure to multiple broad asset classes. Total allocation percentages may not equal 100% due to rounding.

Manager/ Fund Name	Morningstar Category	Allocation (%)
Fixed	Income	
Aristotle Pacific Capital Core Income	Intermediate Core-Plus Bond	4.5
Aristotle Pacific Capital High Yield Bond	High-Yield Bond	1.5
JPMorgan Intermediate Term Bond	Intermediate Core Bond	6.8
PIMCO Inflation Managed	Inflation-Protected Bond	0.5
PIMCO Managed Bond	Intermediate Core Bond	9.0
Principal Emerging Markets Debt	Emerging-Markets Bond	1.0
T. Rowe Price Short Duration Bond	Short-Term Bond	7.8
Western Asset Management Diversified Bond	Intermediate Core Bond	7.5
Domes	stic Equity	
AB Small-Cap Value	Small Value	0.3
American Century Value	Large Value	4.4
BlackRock Equity Index	Large Blend	3.7
BlackRock Large-Cap Growth	Large Growth	4.6
BlackRock Small-Cap Index	Small Blend	0.7
Boston Partners Mid-Cap Value	Mid-Cap Value	1.9
ClearBridge Large-Cap Value	Large Value	4.2
Delaware Mid-Cap Growth	Mid-Cap Growth	2.3
Franklin/BlackRock Small-Cap Equity	Small Value	0.8
Janus Focused Growth	Large Growth	3.9
JPMorgan Large-Cap Core	Large Blend	6.6
JPMorgan Value Advantage	Large Value	4.0
MFS <sup>®</sup> Growth	Large Growth	3.8
MFS <sup>®</sup> Small-Cap Growth	Small Growth	0.6
Principal Real Estate	Real Estate	1.0
Scout Investments Mid-Cap Equity	Mid-Cap Blend	1.2
T. Rowe Price Dividend Growth	Large Blend	3.6
Internat	ional Equity	
ClearBridge International Growth	Foreign Large Growth	4.7
FIAM LLC International Small-Cap	Foreign Small/Mid-Blend	1.0
Invesco Emerging Markets	Diversified Emerging Markets	2.0
MFS <sup>®</sup> International Large-Cap	Foreign Large Blend	2.2
Wellington International Value	Foreign Large Value	3.9

Additional eligible investment option available only with Protected Investment Benefit optional benefit.

PORTFOLIO INFORMATION AS OF 9/30/23

#### AGGRESSIVE-GROWTH



Each underlying fund may include exposure to multiple broad asset classes. Total allocation percentages may not equal 100% due to rounding.

Manager/ Fund Name	Morningstar Category	Allocation (%)		
Fixed	Income			
Aristotle Pacific Capital Core Income	Intermediate Core-Plus Bond	2.5		
Aristotle Pacific Capital High Yield Bond	High-Yield Bond	1.5		
JPMorgan Intermediate Term Bond	Intermediate Core Bond	3.8		
PIMCO Managed Bond	Intermediate Core Bond	3.0		
Principal Emerging Markets Debt	Emerging-Markets Bond	1.0		
T. Rowe Price Short Duration Bond	Short-Term Bond	9.4		
Western Asset Management Diversified Bond	Intermediate Core Bond	4.2		
Domes	tic Equity			
AB Small-Cap Value	Small Value	0.5		
American Century Value	Large Value	4.0		
BlackRock Equity Index	Large Blend	4.3		
BlackRock Large-Cap Growth	Large Growth	5.8		
BlackRock Small-Cap Index	Small Blend	0.8		
Boston Partners Mid-Cap Value	Mid-Cap Value	1.7		
ClearBridge Large-Cap Value	Large Value	4.5		
Delaware Mid-Cap Growth	Mid-Cap Growth	2.6		
Franklin/BlackRock Small-Cap Equity	Small Value	1.0		
Janus Focused Growth	Large Growth	3.9		
JPMorgan Large-Cap Core	Large Blend	6.5		
JPMorgan Value Advantage	Large Value	5.4		
MFS <sup>®</sup> Growth	Large Growth	3.5		
MFS <sup>®</sup> Small-Cap Growth	Small Growth	1.5		
Principal Real Estate	Real Estate	1.5		
Scout Investments Mid-Cap Equity	Mid-Cap Blend	1.7		
T. Rowe Price Dividend Growth	Large Blend	4.4		
International Equity				
ClearBridge International Growth	Foreign Large Growth	6.7		
FIAM LLC International Small-Cap	Foreign Small/Mid-Blend	1.5		
Invesco Emerging Markets	Diversified Emerging Markets	3.4		
MFS <sup>®</sup> International Large-Cap	Foreign Large Blend	3.2		
Wellington International Value	Foreign Large Value	6.0		

#### About Risk

Asset allocation, although intended to provide diversification, does not guarantee future results, ensure a profit, or protect against loss. Better returns could be achieved by investing in an individual fund or funds representing a single asset class rather than using asset allocation. A fund-of-funds is subject to its own expenses along with the expenses of the underlying funds. It is typically exposed to the same risks as the underlying funds in which it invests in proportion to the allocation of assets among those underlying funds. Each underlying fund has its own investment goal, strategy, and risks, and many are available for individual purchase. The prospectuses for the underlying funds are available at PacificLife.com.

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