

# **UNIVERSITY OF CALIFORNIA**

Office of the Chief Investment Officer

# UC Retirement Savings Program

Investment Performance and Program Review as of June 30, 2019

### **Growing Portfolios Building Partnerships**

**UC Investments** 







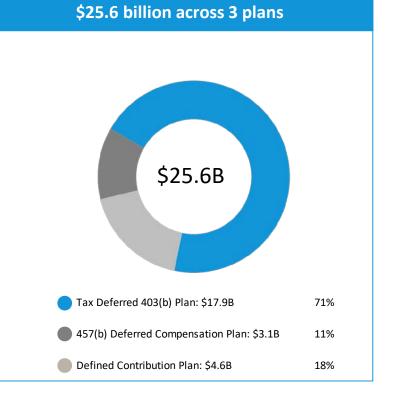
# UC Retirement Savings Program at a Glance

#### **UC Retirement Savings Program**

Deliver the best in class DC plan focused on participant outcomes through superior performance and cost management

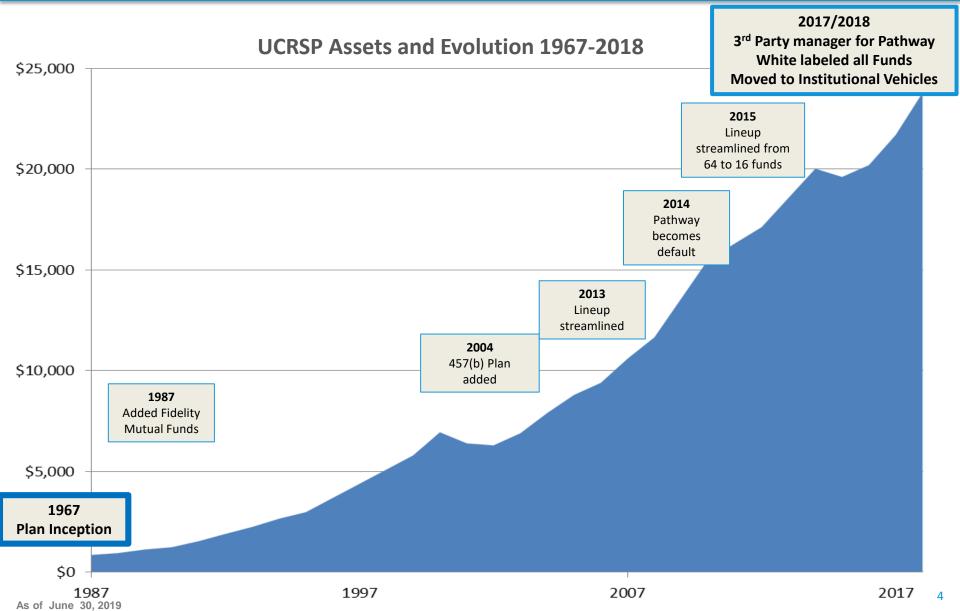
#### **UC Retirement Savings Program Facts**

- Established in 1967
- Almost 320,000 Participants
- \$25.6 billion in assets
- > 3 Plans: 403(b), 457(b), DC Plan
- 2<sup>nd</sup> largest public DC plan in the US
- Largest 403(b) plan in the US
- Target Date Fund (Pathway) default since 2014
- **\$9.8 billion in Target Date Funds**





# **UC Retirement Savings Program Evolution**





### **Investment Options at a Glance**

	<b>TARGET DATE FUNDS - \$9.8 billio</b> UC Pathway Funds	on
UC Pathway Income Fund UC Pathway Fund 2015 UC Pathway Fund 2020 UC Pathway Fund 2025	UC Pathway Fund 2030 UC Pathway Fund 2035 UC Pathway Fund 2040 UC Pathway Fund 2045	UC Pathway Fund 2050 UC Pathway Fund 2055 UC Pathway Fund 2060
	<b>CORE FUNDS - \$14.1 billion</b> Bond and Stock Investments	
Bond Investments	Domestic Stock	Foreign Stock
Short-Term	Large Cap	Developed Markets
UC Savings Fund	UC Growth Company Fund	UC International Equity Index Fund UC Diversified International Fund
Intermediate-Term	Small Cap	
UC Bond Fund	UC Domestic Small Cap Equity Fund	Emerging Markets UC Emerging Markets Equity Fund
<i>Inflation-Protected</i> UC Short Term TIPS Fund UC TIPS Fund	<i>Broad Cap</i> UC Domestic Equity Index Fund	Specialty Stock UC Real Estate Fund UC Social Equity Fund

#### BROKERAGE WINDOW - \$1.7 billion Fidelity BROKERAGELINK®



### **Core Lineup Assets - Details**

#### CORE FUNDS - \$14,058

#### Bond and Stock Investments

Bond Investments - \$5,489 Short-Term UC Savings Fund - \$3,944

Intermediate-Term UC Bond Fund - \$1,254

Inflation-Protected UC Short Term TIPS Fund - \$55 UC TIPS Fund - \$236 Domestic Stock - \$6,600

Large Cap UC Growth Company Fund - \$984

Small Cap UC Domestic Small Cap Equity Fund - \$502

Broad Cap UC Domestic Equity Index Fund - \$5,114 Foreign/Global Stock - \$1,310 Developed Markets UC International Equity Index Fund - \$965 UC Diversified International Fund - \$133

*Emerging Markets* UC Emerging Markets Equity Fund - \$212

**Specialty Stock - \$659** UC Real Estate Fund - \$239 UC Social Equity Fund - \$420



### **Defined Contribution Team**

Head of Defined Contribution



#### Marco Merz, CFA

- Joined University of California in 2016
- 10 year career at BlackRock
- Most recently Senior Strategist for Defined Contribution
- Focus on Target Date Fund & Core lineup implementation
- Frequent speaker at DC Industry conferences including P&I, II and IMCA

#### **Chief Operating Officer**



#### Arthur Guimaraes, CPA, CBV

- Joined University of California in 2014
- Led UC glide path review and fund rationalization in 2015
- 10 year career in pension management in the US and Canada
- Most recently, Vice President, Alberta Investment Management Co.
- Previously, senior member of Group Savings & Retirement team at Manulife





# Changes over last 5 Years

#### **Plan Enhancement Initiatives**

- Streamlined fund choices from 74 to 13
- Reduced average management fee from 14 bps to 6 bps
- Saved participants \$25 million over 5 years

	AUM ex Brokerage (\$bln)	Number of Funds	Management Fee \$ (mln)	Management Fee (bps)
2015	\$18.9	74	\$25.9	14
2016	\$18.9	16	\$18.2	10
2017	\$20.9	15	\$20.8	10
2018	\$22.6	13	\$13.0	6



# Plan Design Enhancements

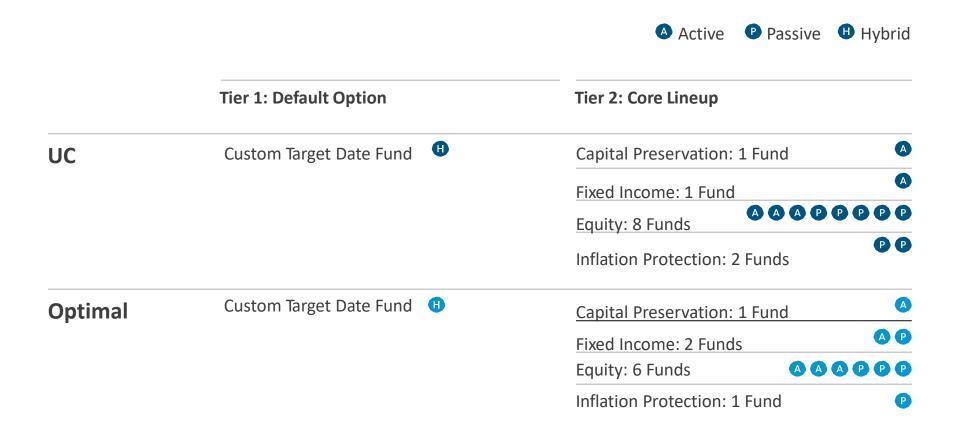
#### Top 30 Investment Consultants suggest enhancements in 2018 that we incorporated in this fiscal year

Review Target Date Fund	Reviewed Pathway and hired 3rd party via RFP
Evaluate Investment Fees	Completed fee analysis and reduced fees by over \$6 million annually by moving to institutional fund vehicles
Evaluate How Plan Costs Are Paid	Updated approach to management fees
Evaluate Administrative Fees	Moved to flat per participant fee in line with consultant recommendations
Simplify Core Lineup	White labeled 3 funds for a more intuitive naming convention and eliminated 2 redundant investments



# **Optimal Investment Structure**

UC Lineup now follows industry best practice





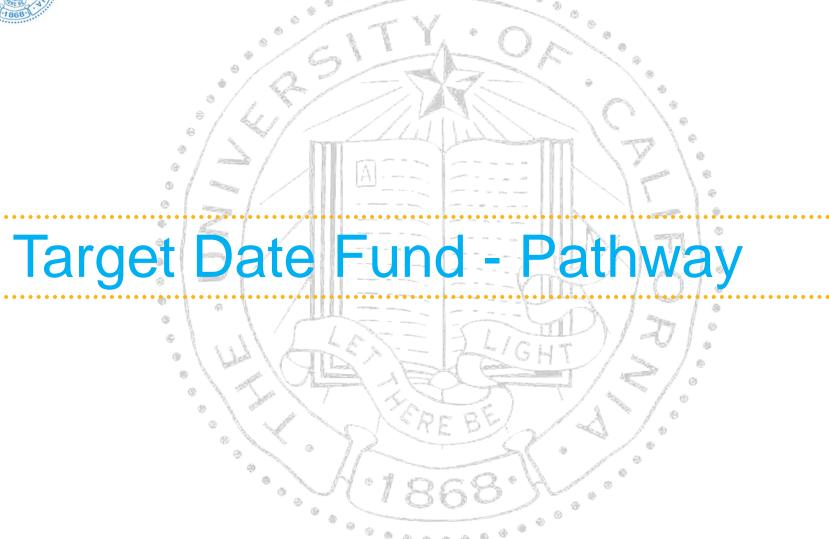
# Fiscal Year 2018/2019 Project Plan

	Overview of Changes	Implementation Date
Ι.	Transition 3 Vanguard mutual funds to separate accounts at SSgA	9/30/2018
11.	Implement High Yield active manager in Pathway	3/31/2019
III.	Transition Diversified International Fund to Class 2 Fund	6/30/2019
IV.	Transition Pathway 2015 vintage into Pathway Income	12/31/2019
V.	Launch Pathway 2065	12/31/2019

### Lineup changes will:

- Reduce fees by over \$1.1 million annually
- Increase expected return through active implementation of Pathway's High Yield component
- Streamline line up by consolidating Pathway 2015 into Pathway Income which will have same allocations on 12/31/19
- Maintain existing Pathway vintage structure by launching Pathway 2065





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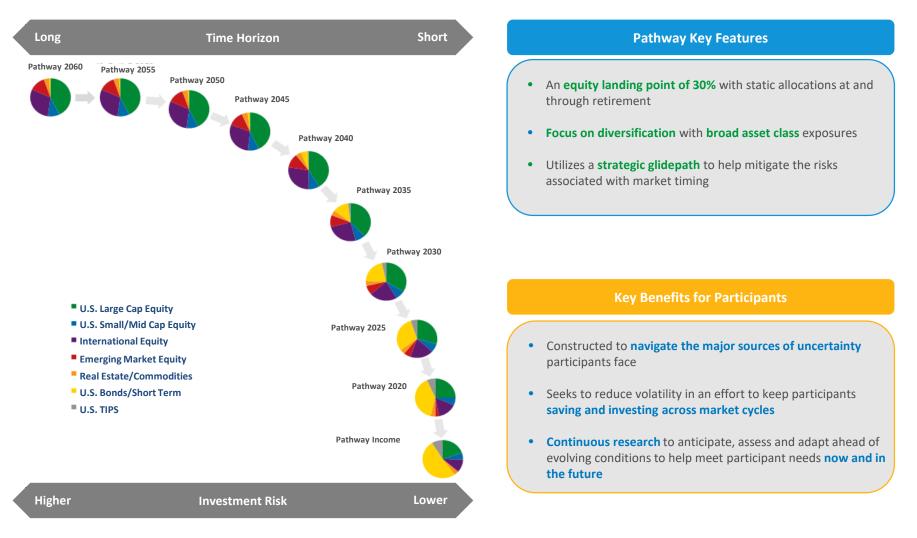
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### Pathway – Our Target Date Fund

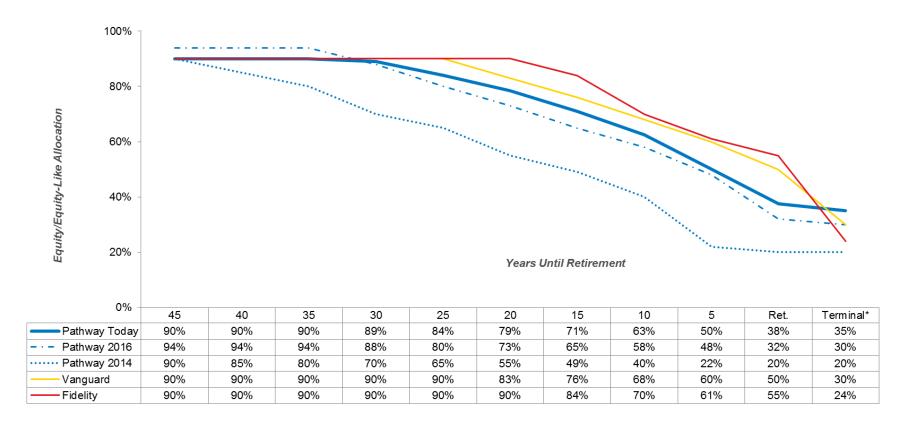
#### Designed to support participants' spending throughout retirement





### Pathway Glidepath

#### Pathway GlidePath Evolution vs. TDF providers





# Pathway Performance – Quarter and 1 Year

#### Q2 2019 performance relative to policy benchmarks

#### Net of fee returns (%)

	Pathway Income	Pathway 2015	Pathway 2020	Pathway 2025	Pathway 2030	Pathway 2035	Pathway 2040	Pathway 2045	Pathway 2050	Pathway 2055	Pathway 2060
Fund Return	2.32	2.43	2.98	3.40	3.62	3.66	3.66	3.66	3.66	3.66	3.66
Policy Benchmark Return	2.35	2.45	2.97	3.39	3.62	3.66	3.66	3.64	3.64	3.64	3.64
Value Added	-0.03	-0.02	0.01	0.01	0.00	0.00	0.00	0.02	0.02	0.02	0.02

#### One year performance relative to policy benchmarks

#### Net of fee returns (%) - 6/30/2018-6/30/2019

	Pathway Income	Pathway 2015	Pathway 2020	Pathway 2025	Pathway 2030	Pathway 2035	Pathway 2040	Pathway 2045	Pathway 2050	Pathway 2055	Pathway 2060
Fund Return	5.22	5.40	6.20	6.40	6.32	6.06	5.74	5.40	5.31	5.30	5.30
Policy Benchmark Return	5.37	5.53	6.13	6.36	6.31	6.03	5.70	5.35	5.25	5.25	5.25
Value Added	-0.15	-0.13	0.07	0.04	0.01	0.03	0.04	0.05	0.06	0.05	0.05



# Pathway Performance – 3 Year and 5 Year

#### **3** year performance relative to policy benchmarks

#### Net of fee returns (%)

	Pathway Income	Pathway 2015	Pathway 2020	Pathway 2025	Pathway 2030	Pathway 2035	Pathway 2040	Pathway 2045	Pathway 2050	Pathway 2055	Pathway 2060
Fund Return	5.22	5.27	6.75	7.55	8.32	8.97	9.61	10.27	10.91	11.13	11.12
Policy Benchmark Return	5.17	5.23	6.68	7.57	8.38	9.05	9.74	10.44	11.11	11.28	11.28
Value Added	0.05	0.04	0.07	-0.02	-0.06	-0.08	-0.13	-0.17	-0.20	-0.15	-0.16

#### 5 year performance relative to policy benchmarks

Net of fee returns (%)

	Pathway Income	Pathway 2015	Pathway 2020	Pathway 2025	Pathway 2030	Pathway 2035	Pathway 2040	Pathway 2045	Pathway 2050	Pathway 2055	Pathway 2060
Fund Return	3.53	3.61	4.63	4.92	5.24	5.49	5.72	5.94	6.18	6.30	6.30
Policy Benchmark Return	3.37	3.47	4.48	4.83	5.17	5.43	5.68	5.92	6.16	6.25	6.25
Value Added	0.16	0.14	0.15	0.09	0.07	0.06	0.04	0.02	0.02	0.05	0.05





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### **Core Lineup Performance - Details**

					Annua	lized Total Retu	r <b>n (%)</b>
US Large Equity	Market Value (\$M)	% of Program	3 Months	One Year	Three Year	<b>Five Year</b>	Ten Year
UC Domestic Equity Index Fund	\$5,114	19.98%	4.25	9.41	14.45	10.38	14.79
Russell 3000 TF Index			4.24	9.09	14.24	10.22	14.66
Value Added			0.01	0.32	0.21	0.16	0.13
UC Social Index Fund	\$420	1.64%	4.58	11.39	16.07	11.56	15.60
Spliced Social Index			4.59	11.37	16.14	11.66	15.72
Value Added			-0.01	0.02	-0.07	-0.10	-0.12
US Small/Mid Cap Equity							
UC Domestic Small Cap Index Fund	\$502	1.96%	2.18	-2.01	10.80	6.83	14.33
Small Cap Spliced Index			2.09	-2.21	10.70	6.74	14.25
Value Added			0.09	0.20	0.10	0.09	0.08
Global/World ex-US Equity							
UC International Equity Index Fund	\$965	3.77%	3.91	1.01	9.49	2.30	7.01
MSCI World ex-US TF Index			3.69	0.43	9.07	1.97	6.64
Value Added			0.22	0.58	0.42	0.33	0.37



# **Core Lineup Performance - Details**

					Annua	lized Total Retu	m (%)
Capital Preservation	Market Value (\$M)	% of Program	3 Months	One Year	Three Year	<b>Five Year</b>	Ten Year
UC Savings Fund	\$3,944	15.41%	0.43	1.71	1.48	1.36	1.50
Two-Year U.S. Treasury Notes Incor	ne Return		0.56	2.56	1.77	1.32	0.89
Value Added			-0.13	-0.85	-0.29	0.04	0.61
Inflation Sensitive							
UC Short Term TIPS Fund	\$55	0.22%	1.26	2.65	1.70	0.97	
Barclays 1-3 Year U.S. TIPS Index			1.46	2.83	1.52	0.67	
Value Added			-0.20	-0.18	0.18	0.30	-
UC TIPS Fund	\$236	0.92%	2.80	4.86	2.40	2.04	3.93
Barclays US TIPS Index			2.86	4.84	2.08	1.76	3.64
Value Added			-0.06	0.02	0.32	0.28	0.29
Diversified Fixed Income							
UC Bond Fund	\$1,254	4.90%	3.05	8.17	2.73	3.21	4.37
Barclays Aggregate Fixed Income B	enchmark		3.08	7.87	2.31	2.95	3.90
Value Added			-0.03	0.30	0.42	0.26	0.47
New Large Equity							
UC Growth Company Fund	\$984	3.85%	2.38	5.41	21.61	14.71	18.08
Russell 3000 Growth			4.50	10.60	17.81	13.02	16.14
Value Added			-2.12	-5.19	3.80	1.69	1.94
World ex-US Equity							
UC Diversified Intl. Fund	\$133	0.52%	5.85	2.44	8.76	3.46	7.79
MSCI EAFE			3.68	1.08	9.19	2.36	7.03
Value Added			2.17	1.36	-0.43	1.10	0.76
UC Emerging Markets Fund	\$212	0.83%	1.04	1.80	9.55	2.27	6.10
MSCI Emerging Markets Index			0.61	1.21	10.66	2.49	5.81
Value Added			0.43	0.59	-1.11	-0.22	0.29
Real Estate							
UC Real Estate Fund	\$239	0.93%	1.27	10.66	3.55	7.41	15.31
REIT Spliced Index			0.99	9.35	3.23	7.25	15.25
Value Added			0.28	1.31	0.32	0.16	0.06



# Target Date Funds Performance - Details

					Annua	lized Total Retu	rn (%)
Target Date Funds	Market Value (\$M)	% of Program	3 Months	One Year	Three Year	<b>Five Year</b>	Ten Year
UC Pathway Income Fund	\$1,030	4.02%	2.32	5.22	5.22	3.53	4.55
Policy Benchmark			2.35	5.37	5.17	3.37	4.08
Value Added			-0.03	-0.15	0.05	0.16	0.47
UC Pathway Fund 2015	\$742	2.90%	2.43	5.40	5.27	3.61	5.74
Policy Benchmark			2.45	5.53	5.23	3.47	5.41
Value Added			-0.02	-0.13	0.04	0.14	0.33
UC Pathway Fund 2020	\$1,561	6.10%	2.98	6.20	6.75	4.63	6.84
Policy Benchmark			2.97	6.13	6.68	4.48	6.61
Value Added			0.01	0.07	0.07	0.15	0.23
UC Pathway Fund 2025	\$1,529	5.98%	3.40	6.40	7.55	4.92	7.36
Policy Benchmark			3.39	6.36	7.57	4.83	7.15
Value Added			0.01	0.04	-0.02	0.09	0.21
UC Pathway Fund 2030	\$1,461	5.71%	3.62	6.32	8.32	5.24	7.81
Policy Benchmark			3.62	6.31	8.38	5.17	7.64
Value Added			0.00	0.01	-0.06	0.07	0.17
UC Pathway Fund 2035	\$1,020	3.98%	3.66	6.06	8.97	5.49	8.26
Policy Benchmark			3.66	6.03	9.05	5.43	8.07
Value Added			0.00	0.03	-0.08	0.06	0.19



# Target Date Funds Performance - Details

					Annua	lized Total Retu	rn (%)
Target Date Funds	Market Value (\$M)	% of Program	3 Months	One Year	Three Year	<b>Five Year</b>	Ten Year
UC Pathway Fund 2040	\$893	3.49%	3.66	5.74	9.61	5.72	8.59
Policy Benchmark			3.66	5.70	9.74	5.68	8.43
Value Added			0.00	0.04	-0.13	0.04	0.16
UC Pathway Fund 2045	\$631	2.46%	3.66	5.40	10.27	5.94	8.97
Policy Benchmark			3.64	5.35	10.44	5.92	8.82
Value Added			0.02	0.05	-0.17	0.02	0.15
UC Pathway Fund 2050	\$497	1.94%	3.66	5.31	10.91	6.18	9.46
Policy Benchmark			3.64	5.25	11.11	6.16	9.34
Value Added			0.02	0.06	-0.20	0.02	0.12
UC Pathway Fund 2055	\$236	0.92%	3.66	5.30	11.13	6.30	9.90
Policy Benchmark			3.64	5.25	11.28	6.25	9.74
Value Added			0.02	0.05	-0.15	0.05	0.16
UC Pathway Fund 2060	\$240	0.94%	3.66	5.30	11.12	6.30	10.19
Policy Benchmark			3.64	5.25	11.28	6.25	10.04
Value Added			0.02	0.05	-0.16	0.05	0.15





# Last Fiscal Year lineup changes

	Overview of Changes	Implementation Date
Ι.	Repackaged Fidelity and DFA funds to institutional funds	10/02/2017
11.	Renamed 3 Vanguard funds to easier naming convention	10/02/2017
111.	Eliminated the UC Balanced Growth and UC Global funds	10/02/2017
IV.	Implemented 3rd party manager for Pathway	12/31/2017

### Lineup changes highlights:

Transitioned \$9.4 billion into new funds (38% of UCRSP plan assets); Completed a multi-stage communication campaign that reached over 300,000 participants; Reduced fees by over \$7 million annually; Reduced operational complexity and risk; Allow participants to better understand their risk exposure; and Implement an easy to understand and consistent naming convention for all funds.