

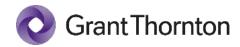
# Long-term Incentive Program Design Recommendations and CIO Compensation Design

**September 17, 2019** 

## Today's Agenda

• Discuss and decide long-term incentive program design

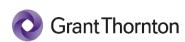




## Long-term Incentive Program Design Recommendations

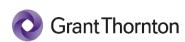
### **Definitions**

Term	Definition
CAGR	<ul> <li>Acronym for "compound annual growth rate." CalPERS Total Fund returns for the Long-term Incentive Program (LTIP) will be measured using a CAGR formula, which takes into consideration the compounding of returns over each entire five-year performance period.</li> </ul>
	• Measuring returns using a CAGR formula provides a more accurate representation of performance than using "average annual returns," which is a measure that can overstate performance when there are negative returns over an extended performance period.
Expected Rate of Return	■ The CalPERS' expected rate of return for Total Fund performance in the first year of each LTIP five-year performance period will serve as the "target" (goal) performance level for the entire five-year period.
	• E.g.: if the CalPERS expected rate of return is 7.0% in Year 1 of a performance period, "target" (goal) performance would be equal to 7.0% annual returns over five years (measured using the compound annual growth rate).



## **Definitions (continued)**

Term	Definition
Initial LTIP Value	The initial LTIP award value amount will be allocated in Year 1 of each five-year performance period, upon which payouts will be based at the end of that five-year performance period.
	• Initial LTIP award values will be calculated based on the lower of: (i) a participant's actual annual incentive payout in Year 1; or (ii) their annual incentive range target in Year 1.
	The initial LTIP award value will be subject to a Payout Multiplier (see below) based on CalPERS' Total Fund returns over the five-year performance period.
Payout Multiplier	<ul> <li>A multiplier used to determine each participant's actual award payout at the end of each five-year performance period. It ranges from 0% to 150% of the initial LTIP award value based on CalPERS' Total Fund returns over the performance period</li> </ul>



## **Definitions (continued)**

Term	Definition
Performance Period	<ul> <li>The period of time over which performance will be measured to determine the Payout Multiplier (a five-year performance period is being presented as Grant Thornton's recommendation for CalPERS).</li> </ul>
Total Fund Returns	■ Total Fund returns will be measured using the "net time-weighted rate of return" of Total Fund performance over a five-year period.



## **Decisions Made at February 2019 Meeting**

- CalPERS Performance, Compensation & Talent Management Committee ("PCTMC") adopted compensation "Option C"
- Option C makes the following changes to compensation for investment management positions covered by the Board's compensation-setting authority:
  - Increases salary midpoints to market 50<sup>th</sup> to 75<sup>th</sup> percentile
  - Adjusts and consolidates annual incentive ranges
  - Introduces a Long-term Incentive Program (LTIP)



### **Decisions Made at June 2019 Meeting**

 The Committee discussed threshold, target, and maximum performance levels for Total Fund returns, and asked GT to return with updated options/recommendations that incorporated the Committee's feedback





**Executive Summary** 



# LTIP Recommendations – Overall Plan Design

- GT recommends an LTIP with the following features:
  - Measure Total Fund returns over five years
  - Target (goal) performance for entire period is based on the expected rate of return in Year 1 of that period
  - Initial LTIP award values are calculated based on the <u>lower of:</u> (i) an employee's <u>actual</u> annual incentive earned in Year 1; or (ii) their annual incentive range <u>target</u> in Year 1
  - LTIP actual award payouts for the first five-year performance period will occur at the end of Year 5;
     LTIP awards may then be granted <u>annually</u> with overlapping five-year performance periods
  - Actual LTIP award payouts can range from 0%-150% of the Initial LTIP award value based on Total Fund performance and related thresholds



# LTIP Recommendations – Employee LTIP Levels

• GT recommends employees' Initial LTIP values be based on the lower of (i) their actual annual incentive earned in Year 1, or (ii) their target annual incentives in Year 1

Classification	Annual Incentive Range (% of Salary)	Initial LTI Value		
Associate Investment Manager	0 – 40% (27% target)	Lower of 27% or Actual Annual Incentive		
Investment Manager	0 – 60% (40% target)	Lower of 40% or Actual Annual Incentive		
Investment Director	0 – 75% (50% target)	Lower of 50% or Actual Annual Incentive		
Managing Investment Director	0 – 105% (70% target)	Lower of 70% or Actual Annual Incentive		
Chief Operating Investment Officer	0 – 75% (50% target)	Lower of 50% or Actual Annual Incentive		

• Final LTIP payouts will range from 0% to 150% of Initial LTIP values based on Total Fund returns over the five-year performance period



# LTIP Recommendations – Performance Level Options

- Based on the Committee's feedback from the June meeting, GT has provided updated LTIP performance level options
- GT's plan design recommendations (as detailed on slide 10) apply to all three options listed below;
   the only difference between the options are the Total Fund performance levels at which payouts occur

Performance Level Design (Payout Multiplier Listed in Parenthesis)								
Design Option	Threshold (0.5 or 50%)	Target (1.0 or 100%)	Maximum (1.5 or 150%)					
Option A	No threshold performance level; no payout for below 7%	7.0%	8.4% (120% of Target)					
Option B	5.60% (80% of Target)	7.0%	8.4% (120% of Target)					
Option C	6.10% (87% of Target)	7.0%	8.4% (120% of Target)					



# LTIP Recommendations – Performance Level Options (continued)

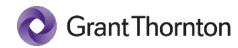
Option	Description	GT Commentary
Option A	<ul> <li>Performance level design requested by the Committee in June</li> <li>Option A has the same threshold and target performance levels (i.e., no payouts will occur unless the target performance level is reached)</li> </ul>	<ul> <li>It is fairly unique to have an LTIP with no threshold performance level</li> <li>Utilizing such a design may introduce a greater degree of risk into the plan, as a substantial amount of compensation can be earned at a specific level of performance (i.e., Target performance)</li> <li>If Target performance is 7.0%, there could be potential for undue risk taking if Total Fund returns over the five-year performance period are slightly below 7.0%</li> <li>More simply put, Total Fund returns of anything less than 7.0% will have no payout, while returns of 7.0% have a 1.0 multiplier on the Initial LTI Value</li> </ul>



# LTIP Recommendations – Performance Level Options (continued)

Option	Description	GT Commentary
Option B	<ul> <li>Original plan proposed by GT</li> <li>Threshold and maximum performance levels are set at - 20% and +20% of target, respectively</li> </ul>	<ul> <li>Having threshold and maximum performance the same "distance" from target is a standard incentive design at public and private organizations</li> <li>Setting a threshold performance goal an appropriate distance from target mitigates undue risk taking by having payouts for below target performance, while also ensuring that a sufficient level of returns are needed to justify a payout</li> </ul>
Option C	<ul> <li>New option that sets threshold at projected 10-year performance (6.1%)</li> </ul>	<ul> <li>The only difference between Option B and C is a slightly more difficult performance threshold for Option C (Option B has a threshold of 5.6%, while Option C is 6.1%)</li> <li>GT would be comfortable with an LTIP based on Option C</li> </ul>







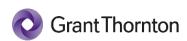


## Option A – Performance Levels

The table below shows proposed performance levels for Total Fund returns over five years:

Performance Level	Total Fund Returns
Maximum Performance = Expected Rate of Return x 120%	8.4%
Target Performance = Expected Rate of Return in Year 1	7.0%
(No Threshold Performance Level)	N/A

- Performance will be measured as the compound annual growth rate ("CAGR") of Total Fund returns over the five-year performance period
- Target performance for each five-year period is based on the Expected Rate of Return in the first year of the given period



# Option A – Payout Multiplier

Performance Level	5-Year Total Fund Return Level	Payout Multiplier
Maximum Performance <sup>1</sup>	8.40%	1.5 (or 150%)
Performance between target and maximum		Interpolated
Target ("Goal") Performance <sup>2</sup>	7.00%	1.0 (or 100%)

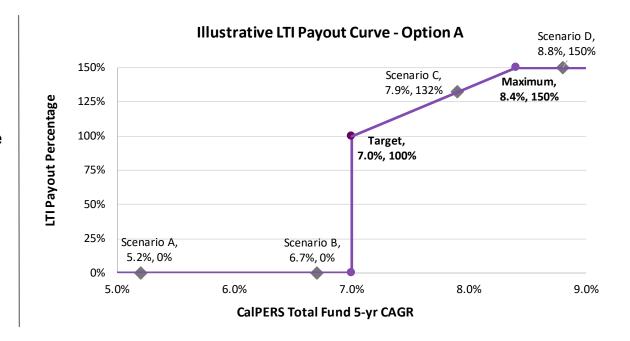
<sup>&</sup>lt;sup>1</sup> Multiplier capped at 1.5 for returns above maximum



<sup>&</sup>lt;sup>2</sup> No payouts will occur for returns below target

# Option A – Payout Curve

- The graph to the right shows the proposed performance and payout levels
- Hypothetical scenarios have been included to illustrate potential performance and payout outcomes
- Data labels list returns first and corresponding payout level second





# Option A – Illustrative Example

• The tables on the following slides provide an illustrative example of the proposed LTIP mechanics:

### <u>Step 1 – Initial LTIP award value for a Hypothetical Investment Manager</u>

CalPERS Fiscal Year	Base	Annual Incentive Information (% of Salary)		Initial LTIP Value (Lower of Target and Actual Annual Incentive)		
	Salary	Target	Actual	Award #	% of Salary	\$ Value
′19 – ′20	\$190,000	40%	35%	#1	35%	\$66,500
'20 <b>–</b> '21	\$200,000	40%	45%	#2	40%	\$80,000
'21 <b>–</b> '22	\$210,000	40%	50%	#3	40%	\$84,000

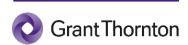


# Option A – Illustrative Example (continued)

<u>Step 2 – Calculate Payouts</u> (returns listed below are hypothetical and shown for illustrative purposes; our example assumes an expected rate of return of 7.0% for each period)

Award	CalPERS Fiscal Year – Hypothetical Total Fund Returns								Payout Result	
#	'19 – '20	'20 <b>–</b> '21	'21 – '22	'22 <b>–</b> '23	'23 <b>–</b> '24	'24 – ′25	'25 – '26	'26 – '27	CAGR <sup>1</sup>	Payout
#1	13.5%	11.3%	9.6%	6.8%	6.1%	Award #1 Payout			9.43%	1.50 or 150%
#2		11.3%	9.6%	6.8%	6.1%	4.3%	Award #2 Payout		7.59%	1.21 or 121%
#3	,		9.6%	6.8%	6.1%	4.3%	2.0%	Award #3 Payout	5.73%	0.0 or 0%

<sup>&</sup>lt;sup>1</sup> CAGR – Compound Annual Growth Rate

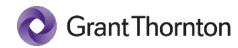


# Option A – Illustrative Example (continued)

### Step 3 – Calculate LTIP Payout

LTIP Award Info		Initial LTIP Award Value		Total Fund	Final LTIP	
Award #	Fiscal Years	% of Sal.	\$ Value	CAGR	CAGR Payout	
#1	'19 – '24	35%	\$66,500	9.43%	1.50 or 150%	\$99,750
#2	'20 – '25	40%	\$80,000	7.59%	1.21 or 121%	\$96,800
#3	'21 – '26	40%	\$84,000	5.73%	0.0 or 0%	\$0









## Option B – Performance Levels

The table below shows proposed performance levels for Total Fund returns over five years:

Performance Level	Total Fund Returns
Maximum Performance = Expected Rate of Return x 120%	8.4%
Target Performance = Expected Rate of Return in Year 1	7.0%
Threshold Performance = Expected Rate of Return x 80%	5.6%

- Performance will be measured as the compound annual growth rate ("CAGR") of Total Fund returns over the five-year performance period
- Target performance for each five-year period is based on the Expected Rate of Return in the first year of the given period



# Option B – Payout Multiplier

Performance Level	5-Year Total Fund Return Level	Payout Multiplier
Maximum Performance <sup>1</sup>	8.40%	1.5 (or 150%)
Performance between target and maximum		Interpolated
Target ("Goal") Performance	7.00%	1.0 (or 100%)
Performance between target and minimum		Interpolated
Threshold Performance <sup>2</sup>	5.60%	0.5 (or 50%)

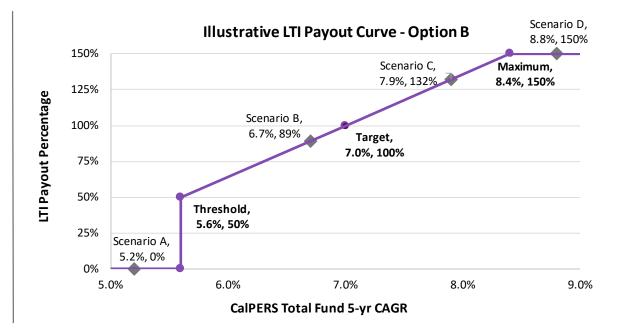
<sup>&</sup>lt;sup>1</sup> Multiplier capped at 1.5 for returns above maximum



<sup>&</sup>lt;sup>2</sup> No payouts will occur for returns below threshold

# Option B – Payout Curve

- The graph to the right shows the proposed performance and payout levels
- Hypothetical scenarios have been included to illustrate potential performance and payout outcomes
- Data labels list returns first and corresponding payout level second





# Option B – Illustrative Example

• The tables on the following slides provide an illustrative example of the proposed LTIP mechanics:

### <u>Step 1 – Initial LTIP award value for a Hypothetical Investment Manager</u>

CalPERS	Base	Annual Incentive Information (% of Salary)		(Lower of Ta	Initial LTIP Value orget and Actual Annu	al Incentive)
Fiscal Year	Salary	Target	Actual	Award #	% of Salary	\$ Value
′19 – ′20	\$190,000	40%	35%	#1	35%	\$66,500
'20 – '21	\$200,000	40%	45%	#2	40%	\$80,000
'21 – '22	\$210,000	40%	50%	#3	40%	\$84,000

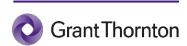


# Option B – Illustrative Example (continued)

<u>Step 2 – Calculate Payouts</u> (returns listed below are hypothetical and shown for illustrative purposes; our example assumes an expected rate of return of 7.0% for each period)

Award		CalPERS Fiscal Year – Hypothetical Total Fund Returns								Result
#	'19 – '20	'20 <b>–</b> '21	'21 – '22	'22 <b>–</b> '23	'23 <b>–</b> '24	'24 – ′25	'25 – '26	'26 – '27	CAGR <sup>1</sup>	Payout
#1	13.5%	11.3%	9.6%	6.8%	6.1%	Award #1 Payout			9.43%	1.50 or 150%
#2		11.3%	9.6%	6.8%	6.1%	4.3%	Award #2 Payout		7.59%	1.21 or 121%
#3	,		9.6%	6.8%	6.1%	4.3%	2.0%	Award #3 Payout	5.73%	0.55 or 55%

<sup>&</sup>lt;sup>1</sup> CAGR – Compound Annual Growth Rate

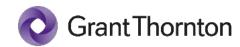


# Option B – Illustrative Example (continued)

#### Step 3 – Calculate LTIP Payout

LTIP A	Award Info	Initial LTIP A	Initial LTIP Award Value		Total Fund Performance		
Award #	Fiscal Years	% of Sal.	\$ Value	CAGR	Payout	Final LTIP Payout	
#1	'19 – '24	35%	\$66,500	9.43%	1.50 or 150%	\$99,750	
#2	'20 <b>–</b> '25	40%	\$80,000	7.59%	1.21 or 121%	\$96,800	
#3	'21 – '26	40%	\$84,000	5.73%	0.55 or 55%	\$46,200	







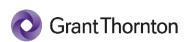


## Option C – Performance Levels

The table below shows proposed performance levels for Total Fund returns over five years:

Performance Level	Total Fund Returns
Maximum Performance = Expected Rate of Return x 120%	8.4%
Target Performance = Expected Rate of Return in Year 1	7.0%
Threshold Performance = Expected Rate of Return x 80%	6.1%

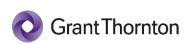
- Performance will be measured as the compound annual growth rate ("CAGR") of Total Fund returns over the five-year performance period
- Target performance for each five-year period is based on the Expected Rate of Return in the first year of the given period



# Option C – Payout Multiplier

Performance Level	5-Year Total Fund Return Level	Payout Multiplier
Maximum Performance <sup>1</sup>	8.40%	1.5 (or 150%)
Performance between target and maximum		Interpolated
Target ("Goal") Performance	7.00%	1.0 (or 100%)
Performance between target and minimum		Interpolated
Threshold Performance <sup>2</sup>	6.10%	0.5 (or 50%)

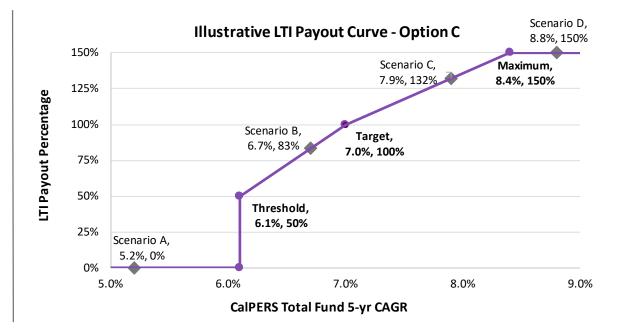
<sup>&</sup>lt;sup>1</sup> Multiplier capped at 1.5 for returns above maximum



<sup>&</sup>lt;sup>2</sup> No payouts will occur for returns below threshold

# Option C – Payout Curve

- The graph to the right shows the proposed performance and payout levels
- Hypothetical scenarios have been included to illustrate potential performance and payout outcomes
- Data labels list returns first and corresponding payout level second





# Option C – Illustrative Example

The tables on the following slides provide an illustrative example of the proposed LTIP mechanics:

### <u>Step 1 – Initial LTIP award value for a Hypothetical Investment Manager</u>

CalPERS	Base	Annual Incentive Information (% of Salary)		(Lower of Ta	Initial LTIP Value orget and Actual Annu	al Incentive)
Fiscal Year	Salary	Target	Actual	Award #	% of Salary	\$ Value
′19 – ′20	\$190,000	40%	35%	#1	35%	\$66,500
'20 – '21	\$200,000	40%	45%	#2	40%	\$80,000
'21 – '22	\$210,000	40%	50%	#3	40%	\$84,000



# Option C – Illustrative Example (continued)

<u>Step 2 – Calculate Payouts</u> (returns listed below are hypothetical and shown for illustrative purposes; our example assumes an expected rate of return of 7.0% for each period)

Award		CalPERS Fiscal Year – Hypothetical Total Fund Returns								Result
#	'19 – '20	'20 <b>–</b> '21	'21 – '22	'22 <b>–</b> '23	'23 <b>–</b> '24	'24 <b>–</b> '25	'25 – '26	'26 – '27	CAGR <sup>1</sup>	Payout
#1	13.5%	11.3%	9.6%	6.8%	6.1%	Award #1 Payout			9.43%	1.50 or 150%
#2		11.3%	9.6%	6.8%	6.1%	4.3%	Award #2 Payout		7.59%	1.21 or 121%
#3			9.6%	6.8%	6.1%	4.3%	2.0%	Award #3 Payout	5.73%	0.0 or 0%

<sup>&</sup>lt;sup>1</sup> CAGR – Compound Annual Growth Rate

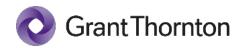


# Option C – Illustrative Example (continued)

### Step 3 – Calculate LTIP Payout

LTIP A	Award Info	Initial LTIP A	Initial LTIP Award Value		Total Fund Performance		
Award #	Fiscal Years	% of Sal.	\$ Value	CAGR	Payout	Final LTIP Payout	
#1	'19 – '24	35%	\$66,500	9.43%	1.50 or 150%	\$99,750	
#2	'20 – '25	40%	\$80,000	7.59%	1.21 or 121%	\$96,800	
#3	'21 – '26	40%	\$84,000	5.73%	0.0 or 0%	\$0	





## **Other LTIP Design Considerations**

# LTIP Design Recommendations – Other Considerations

Design Area	Overview and GT Commentary
Existing Policy Provisions	<ul> <li>GT recommends certain existing policy provisions related to annual incentives apply to LTIP, with certain alterations to address the nuances of the LTIP. Key provisions requiring revision may include those related to the topics below:         <ul> <li>LTIP Eligibility</li> <li>Pro-rata Awards</li> <li>Action Upon Unsatisfactory Performance</li> </ul> </li> <li>In addition, other conforming Policy revisions may be necessary to ensure the Policy reflects any decision regarding</li> </ul>
	LTIP made by the Committee.
LTIP: CIO and CEO Positions	■ To promote a unified focus across the investment office, GT recommends the CEO and CIO position eventually participate in the LTIP plan. The Committee may want to consider this at a future meeting.

