Asset Allocation

South Dakota Trust Funds

Dakota Cement Trust

Education Enhancement Trust

Health Care Trust

School & Public Lands

South Dakota Investment Council June 5-6, 2019

Dakota Cement Trust Fund Established

- Proceeds from the sale of the South Dakota Cement Plant in Rapid City in March of 2001
- Constitutional Amendment enacted April 2001 allows "stocks, bonds, mutual funds and other financial instruments as provided by law"
- Constitutional Amendment enacted November 2012 changed distribution calculation from \$12 million to 4% of average fair value
- Accompanying statute (SDCL 4-5-47) applies the prudent man standard
- Beginning principal value as of April 18, 2001 was \$238 million, current principal is the same

Education Enhancement Trust Fund Established

- Proceeds from South Dakota's share of the 1998 national tobacco lawsuit settlement and state youth-at-risk funds
- Constitutional Amendment enacted April 2001 allows "stocks, bonds, mutual funds and other financial instruments as provided by law"
- Accompanying statute (SDCL 10-50B-11.1) applies the prudent man standard effective July of 2001
- Separate investment fund established on July 1, 2002 (after distribution law effective) with \$81.8 million; current principal of \$404 million includes securitization of tobacco settlement payments refinancing in March of 2013 & tobacco arbitration settlement (the principal will continue to grow)
- Contains \$6.5 million principal for the South Dakota postsecondary scholarship grant fund

Heath Care Trust Fund Established

- Proceeds from federal money for Medicare and Medicaid repayments to nursing home patients
- Constitutional Amendment enacted April 2001 allows "stocks, bonds, mutual funds and other financial instruments as provided by law"
- Accompanying statute (SDCL 28-6-33) applies the prudent man standard in July of 2001
- Separate investment fund established on July 1, 2002 (after distribution law established) with \$62.5 million; current principal of \$85.6 million includes additional federal and tobacco tax payments (no future principal increases expected)

School & Public Land Fund Established

- Proceeds from school land provided at statehood and other designated amounts
- Limited to government fixed income investments, including SBA & other non-marketable securities, until November 2000
- Constitutional Amendment enacted November 2000 allows "stocks, bonds, mutual funds and other financial instruments as provided by law"
- Accompanying statue (SDCL 5-10-18) applies the prudent man standard
- Governor may disapprove any investment per Constitution. Notified prior to committing to illiquid investments

Annual Distribution

Dakota Cement Trust Fund:

- Article XIII Sec. 21 of the Constitution requires annual distribution of 4% of the lesser of the 16 quarter average market value or the calendar year end market value
- Not limited by principal balance

Education Enhancement and Health Care Trust Funds:

- By codified law, annual distribution is 4% of the 4 year average fair value of the fund, as of December 31, distributed on July 1 of the following year as appropriated by the Legislature
- By Constitution, 4% distribution conditioned upon the Dec. 31 fair value of the fund being above the principal of the fund

School and Public Lands Fund:

- Art. VIII Sec. 3 of the Constitution requires all interest and income to be faithfully used and applied each year for the benefit of the public schools of the state after the principal is increased by an amount equal to the rate of inflation from realized gains or investment income. Land rent and mineral income is distributed without regard to inflation adjustment
- SDCL 5-10-18.3(4) allows the inflation offset to be satisfied by realized net capital gains if available, otherwise income

DCT HCT SPL Capital Market Benchmark

allocations, indexes, min max ranges, and equity-like risk (Continue 45% min Eq-like)

| | Public <u>Equity</u> F | Real Estate REIT/Core | HY Corp <u>Debt</u> | Investment Grade <u>Debt</u> | <u>Cash</u> | Private <u>Equity</u> | • | pportunis Real <u>Estate</u> | | HY eal Esta <u>Debt</u> | ite | <u>TIPS</u> | Co | ommod | <u>ity</u> | Equity <u>Like Risk</u> |
|-----------------|--|-----------------------------|---------------------------|------------------------------------|------------------------|--------------------------|---|------------------------------------|---|-------------------------------|-----|-------------|----|-------|------------|----------------------------|
| Maximum | 75% | 20% 2 | 15% | 55% | 50% | 11% | | 14% | 2 | 10% | | 10% | | 5% | | 77% |
| 2020 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| Minimum | 22.5% 1 | 2% | 0% | 13% 1 | 0% | 0% | | 0% | | 0% | | 0% | | 0% | | 45% |
| Index | MSCI AC IMI (3/4) +MSCI IMI US (1/4 | MSCI REIT | FTSE High Yield | FTSE BIG | FTSE 3 mo. Tsy bill | | | | | | | | | | | |
| Benchmark Histo | <u>ory</u> | | | | | | | | | | | | | | | |
| 2019 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2018 Benchmark | 51% | 10% | 7% | 30% | 2 % 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2017 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2016 Benchmark | 51% | 10% | 7% | 30% | 2% | 0% | | | | | | 0% | | 0% | | 63% |
| 2015 Benchmark | 53% | 10% | 7% | 26% | 2% | 0% | | | | | | 2% | | 0% | | 63% |
| 2014 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2013 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2012 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2011 Benchmark | 48% | 5% | 5% | 33% | 2% | 2% | | | | | | 5% | | | | |

^{1.} Buffer for market drift of 1% for equity and 1/2% for debt (example: Investment Grade debt minimum of 13% can drift to 12.5%)

^{2.} Real Estate (RE) maximum applies to REITS/Core RE and Opportunistic RE combined with Opportunistic RE count 1.3x against RE max. Base case allocation used for partnerships

^{3.} Cash to provide liquidity for distributions and rebalancing

^{4.} Skill and niche categories are not included in benchmark but do have a permitted range to invest in opportunistically

DCT HCT SPL Capital Market Benchmark

allocations, indexes, min max ranges, and equity-like risk (Eq-like min of 36%)

| | Public <u>Equity</u> <u>I</u> | Real Estate REIT/Core | HY Corp <u>Debt</u> | Investment Grade <u>Debt</u> | <u>Cash</u> | Private <u>Equity</u> | • | pportunis Real <u>Estate</u> | | HY eal Esta <u>Debt</u> | ite | <u>TIPS</u> | Co | ommod | lit <u>y</u> | Equity <u>Like Risk</u> |
|-----------------|--|-----------------------------|---------------------------|------------------------------------|------------------------|--------------------------|---|------------------------------------|---|-------------------------------|-----|-------------|----|-------|--------------|----------------------------|
| Maximum | 75% | 20% 2 | 15% | 64% | 50% | 11% | | 14% | 2 | 10% | | 10% | | 5% | | 77% |
| 2020 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| Minimum | 18% 1 | 2% | 0% | 13% 1 | 0% | 0% | | 0% | | 0% | | 0% | | 0% | | 36% |
| Index | MSCI AC IMI (3/4) +MSCI IMI US (1/4 | MSCI REIT | FTSE High Yield | FTSE BIG | FTSE 3 mo. Tsy bill | | | | | | | | | | | |
| Benchmark Histo | <u>ry</u> | | | | | | | | | | | | | | | |
| 2019 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2018 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2017 Benchmark | 51% | 10% | 7% | 30% | 2% 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2016 Benchmark | 51% | 10% | 7% | 30% | 2% | 0% | | | | | | 0% | | 0% | | 63% |
| 2015 Benchmark | 53% | 10% | 7% | 26% | 2% | 0% | | | | | | 2% | | 0% | | 63% |
| 2014 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2013 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2012 Benchmark | 52% | 6% | 5% | 28% | 2% | 2% | | | | | | 5% | | 0% | | |
| 2011 Benchmark | 48% | 5% | 5% | 33% | 2% | 2% | | | | | | 5% | | | | |

^{1.} Buffer for market drift of 1% for equity and 1/2% for debt (example: Investment Grade debt minimum of 13% can drift to 12.5%)

^{2.} Real Estate (RE) maximum applies to REITS/Core RE and Opportunistic RE combined with Opportunistic RE count 1.3x against RE max. Base case allocation used for partnerships

^{3.} Cash to provide liquidity for distributions and rebalancing

^{4.} Skill and niche categories are not included in benchmark but do have a permitted range to invest in opportunistically

DCT HCT SPL expected return and standard deviation

using SDIC expected returns and fat-tail adjusted risk measures

| Corre | lation | V | latrix |
|-------|--------|---|--------|
| | | | |

| | Expected | Standard | | | | | HY | | Private | RE | |
|-----------------------------------|----------|------------------|--------------|---------|-------------|-------------|-------------|--------------|---------------|---------------|-------------|
| | Return | <u>Deviation</u> | <u>US Eq</u> | Intl Eq | <u>Debt</u> | <u>Cash</u> | <u>Debt</u> | REITs | Equity | Opport | <u>TIPS</u> |
| Domestic (US) Equity | 7.3% | 22% | 100% | | | | | | | | |
| International Equity | 7.3% | 22% | 100% | 100% | | | | | | | |
| Investment Grade debt | 4.0% | 7% | 0% | 0% | 100% | | | | | | |
| Cash | 3.6% | 1% | 0% | 0% | 0% | 100% | | | | | |
| High Yield debt | 5.6% | 12% | 75% | 75% | 23% | 0% | 100% | | | | |
| REITs | 6.9% | 24% | 75% | 75% | 0% | 0% | 50% | 100% | | | |
| Private Equity | 8.0% | 30% | 88% | 88% | 0% | 0% | 55% | 70% | 100% | | |
| RE Opportunistic | 7.6% | 32% | 75% | 75% | 2% | 0% | 60% | 90% | 60% | 100% | |
| Tsy Inflation Protected Sec (TIPS | 3) 4.0% | 7% | 0% | 0% | 100% | 0% | 24% | 0% | 0% | 0% | 100% |

^{*} Standard deviation is a measure of volatility. There is a 66% chance of being within plus or minus 1 standard deviation, a 95% chance of being within 2 standard deviations.

| | | | | | | | | | | Mean | 1 year | 20 year |
|---------------------------|---------------|---------------|-------------|-------------|--------------|--------------|---------------|---------------|-------------|---------------|------------------|------------------|
| | US | Intl | | | High | | Private | RE | | Expected | l Standard | Standard |
| | Equity | Equity | <u>Debt</u> | <u>Cash</u> | <u>Yield</u> | REITs | Equity | Opport | <u>Tips</u> | <u>Return</u> | Deviation | <u>Deviation</u> |
| 70:30 Equity/Debt | 70% | 0% | 30% | 0% | 0% | 0% | 0% | 0% | 0% | 6.30% | 15.5% | 3.5% |
| 2003-2005 allocation | 20% | 0% | 55% | 0% | 10% | 15% | 0% | 0% | 0% | 5.22% | 9.3% | 2.1% |
| 2006 allocation | 27% | 13% | 40% | 0% | 10% | 10% | 0% | 0% | 0% | 5.75% | 12.0% | 2.7% |
| 2007-2011 allocation | 32% | 16% | 33% | 2% | 5% | 5% | 2% | 0% | 5% | 5.86% | 12.8% | 2.9% |
| 2012-2014 allocation | 35% | 17% | 28% | 2% | 5% | 6% | 2% | 0% | 5% | 6.02% | 13.8% | 3.1% |
| 2015 allocation | 37% | 16% | 26% | 2% | 7% | 10% | 0% | 0% | 2% | 6.12% | 14.3% | 3.2% |
| 2016-2019 allocation | 34% | 17% | 30% | 2% | 7% | 10% | 0% | 0% | 0% | 6.06% | 13.9% | 3.1% |
| Benchmark FY20 (proposed) | 34% | 17% | 30% | 2% | 7% | 10% | 0% | 0% | 0% | 6.06% | 13.9% | 3.1% |

| Return Ranges | Mean | 1 Year Horizon | 20 Year Horizon |
|---------------------------|---------|-------------------------|---|
| | Exp Ret | up 1 sd dn 1 sd dn 2 sd | <u>up 1sd</u> <u>dn 1 sd</u> <u>dn 2 sd</u> |
| Benchmark FY20 (proposed) | 6.06% | 20.0% -7.9% -21.8% | 9.2% 2.9% -0.2% |

EET Capital Market Benchmark

allocations, indexes, min max ranges, and equity-like risk (Continue 45% min Eq-like)

| | Public <u>Equity</u> | Real Estate <u>REIT/Core</u> | HY Corp <u>Debt</u> | Investment Grade <u>Debt</u> | Tax- exempt ₅ <u>Debt</u> ₅ | <u>Cash</u> | | Private <u>Equity</u> | Op | portunis Real <u>Estate</u> | | HY eal Esta <u>Debt</u> | te | <u>TIPS</u> | <u>Cc</u> | ommodi | <u>ity</u> | Equity <u>Like Risk</u> |
|-----------------------------------|---|------------------------------------|---------------------------|------------------------------------|--------------------------------------|-----------------------|----|--------------------------|----|-----------------------------------|---|-------------------------------|----|-------------|-----------|--------|------------|----------------------------|
| Maximum | 75% | 20% 2 | 15% | 55% | | 50% | | 10% | | 13% | 2 | 10% | | 10% | | 5% | | 77% |
| 2020 Benchmark (proposed) | 51% | 10% | 7% | 22% | 8% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| Minimum | 22.5% 1 | 2% | 0% | 13 % 1 | Bloomberg | 0% | | 0% | | 0% | | 0% | | 0% | | 0% | | 45% |
| Index | MSCI AC IMI (3/4) +MSCI IMI US (1/4) | MSCI REIT | FTSE High Yield | FTSE BIG | Barclays Muni 7 year (PIMCO managed) | FTSE 3 mo. Tsy bil | II | | | | | | | | | | | |
| Benchmark Histo 2019 Benchmark | <u>ry</u> 51% | 10% | 7% | 22% | 8% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2019 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2017 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2016 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | | 0% | | | | | | 0% | | 0% | | 63% |
| 2015 Benchmark | 53% | 10% | 7% | 16% | 10% | 2% | | 0% | | | | | | 2% | | 0% | | 63% |
| 2014 Benchmark | 52% | 6% | 5% | 17% | 11% | 2% | | 2% | | | | | | 5% | | 0% | | |
| 2013 Benchmark | 52% | 6% | 5% | 0% | 30% | 2% | | 2% | | | | | | 3% | | 0% | | |
| 2012 Benchmark | 52% | 6% | 5% | 0% | 30% | 2% | | 2% | | | | | | 3% | | 0% | | |
| 2011 Benchmark | 48% | 5% | 5% | 0% | 35% | 2% | | 2% | | | | | | 3% | | | | |

^{1.} Buffer for market drift of 1% for equity and 1/2% for debt (example: Investment Grade debt minimum of 13% can drift to 12.5%)

^{2.} Real Estate (RE) maximum applies to REITS/Core RE and Opportunistic RE combined with Opportunistic RE count 1.3x against RE max. Base case allocation used for partnerships

^{3.} Cash to provide liquidity for distributions and rebalancing

^{4.} Skill and niche categories are not included in benchmark but do have a permitted range to invest in opportunistically

^{5.} Tax-exempt debt will combine with Investment Grade debt for purpose of minimums/maximums

EET Capital Market Benchmark

allocations, indexes, min max ranges, and equity-like risk (Eq-like min of 36%)

| | Public <u>Equity</u> | Real Estate <u>REIT/Core</u> | HY Corp <u>Debt</u> | Investment Grade <u>Debt</u> | Tax- exempt 5 <u>Debt</u> 5 | <u>Cash</u> | | Private <u>Equity</u> | Op | oportunis Real <u>Estate</u> | | HY leal Esta <u>Debt</u> | te | <u>TIPS</u> | <u>Cc</u> | ommod | <u>lity</u> | Equity Like Risk |
|-----------------------------------|--|------------------------------------|---------------------------|------------------------------------|--------------------------------------|----------------------|-----|--------------------------|----|------------------------------------|---|--------------------------------|----|-------------|-----------|-------|-------------|---------------------|
| Maximum | 75% | 20% 2 | 15% | 64% | | 50% | | 10% | | 13% | 2 | 10% | | 10% | | 5% | | 77% |
| 2020 Benchmark (proposed) | 51% | 10% | 7% | 22% | 8% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| Minimum | 18% 1 | 2% | 0% | 13% 1 | Bloomberg | 0% | | 0% | | 0% | | 0% | | 0% | | 0% | | 36% |
| Index | MSCI AC IMI (3/4) +MSCI IMI US (1/4 | MSCI REIT | FTSE High Yield | FTSE BIG | Barclays Muni 7 year (PIMCO managed) | FTSE 3 mo. Tsy bi | ill | | | | | | | | | | | |
| Benchmark Histo 2019 Benchmark | 51% | 10% | 7% | 22% | 8% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2018 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2017 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | 3 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 0% | 4 | 63% |
| 2016 Benchmark | 51% | 10% | 7% | 20% | 10% | 2% | | 0% | | | | | | 0% | | 0% | | 63% |
| 2015 Benchmark | 53% | 10% | 7% | 16% | 10% | 2% | | 0% | | | | | | 2% | | 0% | | 63% |
| 2014 Benchmark | 52% | 6% | 5% | 17% | 11% | 2% | | 2% | | | | | | 5% | | 0% | | |
| 2013 Benchmark | 52% | 6% | 5% | 0% | 30% | 2% | | 2% | | | | | | 3% | | 0% | | |
| 2012 Benchmark | 52% | 6% | 5% | 0% | 30% | 2% | | 2% | | | | | | 3% | | 0% | | |
| 2011 Benchmark | 48% | 5% | 5% | 0% | 35% | 2% | | 2% | | | | | | 3% | | | | |

^{1.} Buffer for market drift of 1% for equity and 1/2% for debt (example: Investment Grade debt minimum of 13% can drift to 12.5%)

^{2.} Real Estate (RE) maximum applies to REITS/Core RE and Opportunistic RE combined with Opportunistic RE count 1.3x against RE max. Base case allocation used for partnerships

^{3.} Cash to provide liquidity for distributions and rebalancing

^{4.} Skill and niche categories are not included in benchmark but do have a permitted range to invest in opportunistically

^{5.} Tax-exempt debt will combine with Investment Grade debt for purpose of minimums/maximums

EET expected return and standard deviation

using SDIC expected returns and fat-tail adjusted risk measures

Correlation Matrix

| I | Expected S | tandard | | | | - | Tax -Exe | HY | | Private | RE | |
|-----------------------------------|------------|-----------------|--------------|---------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|-------------|
| | Return D | <u>eviation</u> | <u>US Eq</u> | Intl Eq | <u>Debt</u> | <u>Cash</u> | <u>Debt</u> | <u>Debt</u> | <u>REITs</u> | Equity | Opport | <u>TIPS</u> |
| Domestic (US) Equity | 7.3% | 22% | 100% | | | | | | | | | |
| International Equity | 7.3% | 22% | 100% | 100% | | | | | | | | |
| Investment Grade debt | 4.0% | 7% | 0% | 0% | 100% | | | | | | | |
| Cash | 3.6% | 1% | 0% | 0% | 0% | 100% | | | | | | |
| Tax exempt debt | 3.2% | 8% | 0% | 0% | 100% | 0% | 100% | | | | | |
| High Yield debt | 5.6% | 12% | 75% | 75% | 23% | 0% | 23% | 100% | | | | |
| REITs | 6.9% | 24% | 75% | 75% | 0% | 0% | 0% | 50% | 100% | | | |
| Private Equity | 8.0% | 30% | 88% | 88% | 0% | 0% | 0% | 55% | 70% | 100% | | |
| RE Opportunistic | 7.6% | 32% | 75% | 75% | 2% | 0% | 2% | 60% | 90% | 60% | 100% | |
| Tsy Inflaton Protected Sec (TIPS) | 4.0% | 7% | 0% | 0% | 100% | 0% | 100% | 24% | 0% | 0% | 0% | 100% |

^{*} Standard deviation is a measure of volatility. There is a 66% chance of being within plus or minus 1 standard deviation, a 95% chance of being within 2 standard deviations.

| | | | | | | | | | | | Mean | 1 year | 20 year |
|---------------------------|---------------|---------------|--------------|-------------|--------|--------------|--------------|---------------|---------------|-------------|---------------|------------------|-----------|
| | US | Intl | | | Tax | High | | Private | RE | | Expected | d Standard | Standard |
| | Equity | Equity | Bonds | <u>Cash</u> | Exempt | <u>Yield</u> | <u>REITs</u> | Equity | Opport | <u>Tips</u> | <u>Return</u> | Deviation | Deviation |
| 70:30 Equity/Debt | 70% | 0% | 30% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 6.30% | 15.5% | 3.5% |
| 2003-2005 allocation | 25% | 0% | 10% | 0% | 35% | 10% | 10% | 0% | 0% | 10% | 4.98% | 9.5% | 2.1% |
| 2006 allocation | 27% | 13% | 3% | 0% | 32% | 10% | 10% | 0% | 0% | 5% | 5.51% | 12.1% | 2.7% |
| 2007-2011 allocation | 32% | 16% | 0% | 2% | 35% | 5% | 5% | 2% | 0% | 3% | 5.60% | 12.9% | 2.9% |
| 2012-2013 allocation | 35% | 17% | 0% | 2% | 30% | 5% | 6% | 2% | 0% | 3% | 5.80% | 13.8% | 3.1% |
| 2014 allocation | 35% | 17% | 17% | 2% | 11% | 5% | 6% | 2% | 0% | 5% | 5.94% | 13.8% | 3.1% |
| 2015 allocation | 37% | 16% | 16% | 2% | 10% | 7% | 10% | 0% | 0% | 2% | 6.05% | 14.4% | 3.2% |
| 2016-2018 allocation | 34% | 17% | 20% | 2% | 10% | 7% | 10% | 0% | 0% | 0% | 5.98% | 14.0% | 3.1% |
| 2019 allocation | 34% | 17% | 22% | 2% | 8% | 7% | 10% | 0% | 0% | 0% | 6.00% | 13.9% | 3.1% |
| Benchmark FY20 (proposed) | 34% | 17% | 22% | 2% | 8% | 7% | 10% | 0% | 0% | 0% | 6.00% | 13.9% | 3.1% |

| Return Ranges | Mean | 1 | Year Horiz | on | 20 |) Year Horiz | on |
|---------------------------|---------|---------|----------------|---------|--------|----------------|---------|
| | Exp Ret | up 1 sd | <u>dn 1 sd</u> | dn 2 sd | up 1sd | <u>dn 1 sd</u> | dn 2 sd |
| Benchmark FY20 (proposed) | 6.00% | 19.9% | -8.0% | -21.9% | 9.1% | 2.9% | -0.2% |