Capital Markets Assumptions: Updated April 2019

																											NVESTM	CERT C	04301	
Returns																														
Time	Large	Mid	Small	Large	Large	Small	Small	Non-US	Non-US	Emerg.	Int./Core	Long	High	EM	Bank		Τ-	Hedge	Global	Multi	L/S	Macro	Relative	Event	Distr'd	Private	Com			
Periods	Equity	Equity	Equity	Growth	Value	Growth	Value	Equity	Small	Mkts	Fixed	Fixed	Yield	Fixed	Loans	TIPS	Bills	FoFs	HFs	Strat	Equity	HF	Value	Driven	HFs	Equity	modities	REITS	Property	Inflation
Strategic ¹	7.25%	7.50%	7.75%	7.75%	7.00%	8.00%	7.50%	7.25%	7.75%	8.50%	2.75%	3.75%	6.00%	5.25%	5.00%	3.25%	3.00%	6.00%	6.50%	6.25%	7.00%	4.00%	5.50%	6.50%	5.50%	10.00%	4.00%	6.00%	5.25%	2.50%
Cyclical ²	6.75%	7.00%	7.25%	7.25%	6.50%	7.50%	7.00%	6.75%	7.25%	8.00%	2.25%	3.00%	5.50%	4.50%	4.75%	2.75%	2.50%	3.00%	4.25%	5.00%	4.50%	4.00%	4.25%	4.75%	4.50%	9.50%	4.00%	5.50%	4.50%	2.00%
Goldman Sachs	7.00%		8.30%					6.60%		11.20%	2.90%	4.00%	5.90%	5.90%							5.1%		5.1%	5.1%		9.9%	4.60%	10.3%		4.20%
JP Morgan	5.50%	5.75%	5.75%	5.25%	5.75%			6.25%		8.00%	3.00%	3.25%	5.25%	5.25%	5.00%	2.75%	2.00%					3.75%	4.50%	4.75%		7.25%	3.75%	6.25%	5.25%	2.25%
Blackrock	4.70%		4.40%					6.90%		7.90%	2.20%		3.20%	2.50%	3.80%	2.50%			3.70%							6.30%	3.50%			
Past 5 Years	15.8%	15.0%	14.1%	17.3%	14.0%	15.2%	13.0%	7.9%	10.0%	4.4%	2.1%	5.3%	5.8%	4.6%	4.0%	0.1%	0.1%	3.8%	2.1%	4.9%	6.6%	1.4%	4.7%	5.4%	5.0%		-10.2%	9.9%	10.4%	1.4%
Past 10 Years	8.5%	9.1%	8.7%	10.0%	7.1%	9.2%	8.2%	1.9%	4.7%	1.7%	4.0%	7.8%	7.9%	7.3%	4.9%	3.5%	3.5%	1.1%	-0.4%	3.2%	3.2%	2.0%	4.7%	4.1%	4.0%		-7.2%	7.7%	6.2%	1.6%
Past 15 Years	9.9%	12.1%	11.2%	10.7%	9.6%	11.6%	10.7%	8.1%	12.1%	12.3%	4.2%	7.2%	8.8%	8.8%	5.2%	4.4%	4.4%										3.0%	10.6%	9.0%	2.1%
Past 20 Years	7.2%	9.5%	7.9%	6.9%	7.4%	6.7%	8.6%	5.3%	8.5%		5.0%	7.1%	6.7%	8.9%	4.9%	5.5%	5.5%										4.7%	8.7%	9.6%	2.2%
Past 30 Years	10.4%	11.7%	9.8%	10.2%	10.4%	8.1%	10.8%	6.3%			6.3%		8.4%															9.0%		
2000's	-0.9%	5.1%	3.5%	-4.0%	2.5%	-1.4%	8.3%	1.2%	6.5%	9.8%	6.3%	7.7%	6.7%	10.9%	4.7%	7.7%	2.8%	4.0%	4.4%		4.2%	5.9%	4.3%	5.4%	2.7%	8.7%	5.1%	10.2%	7.3%	2.5%
1990's	18.2%	15.9%	13.4%	20.3%	15.6%	13.5%	12.5%	7.0%		8.8%	7.7%	8.6%	10.7%				4.9%	12.6%								20.6%	3.9%	8.1%	5.7%	2.9%
1980's	17.5%	17.8%	14.5%	15.4%	18.0%	11.5%	17.4%	22.0%			12.4%	13.3%	13.6%				8.9%										10.7%	12.5%	11.6%	5.1%
1970's	5.9%		11.5%	4.1%	12.2%	6.0%	14.6%	8.8%			7.1%	6.0%	5.5%				6.3%										21.2%			7.4%
1960's	7.8%		15.5%	7.9%	10.7%	10.7%	15.4%				2.9%	1.6%	3.0%				3.9%													2.5%
1950's	19.4%		16.9%	17.6%	22.2%	17.7%	20.0%				2.0%	0.4%	4.6%				1.9%													2.2%
1940's	9.2%		20.7%	7.3%	17.2%	11.6%	21.0%				3.2%	3.0%	10.4%				0.4%													5.4%
1930's	-0.1%		1.4%	1.5%	-5.5%	7.4%	-0.3%				4.9%	5.7%	1.2%				0.6%													-2.0%
1) "Strategic": Long-ter	m return exc	pectation ba	sed upon	historical p	recedence	combined i	with forwa	rd looking	market and	economic	factors.																			

 "Strategic": Long-term return expectation based upon historical precedence combined with forward looking market and 2) "Cyclical": 2-year annualized return expectation considering current price, valuation, business cycle, etc.

Time	Large	Mid	Small	Large	Large	Small	Small	Non-US	Non-US	Emerg.	Int./Core	Long	High	EM	Bank			Hedge	Global	Multi	L/S	Macro	Relative	Event	Distr'd	Private	Com			
Periods	Equity	Equity	Equity	Growth	Value	Growth	Value	Equity	Small	Mkts	Fixed	Fixed	Yield	Fixed	Loans	TIPS	Bills	FoFs	HFs	Strat	Equity	HF	Value	Driven	HFs	Equity	modities	REITS	Property	Inflatio
Strategic ¹	15.0%	17.0%	20.0%	16.0%	15.0%	21.0%	19.5%	17.0%	18.5%	21.0%	4.0%	10.0%	8.0%	8.5%	8.0%	6.0%	0.5%	6.0%	6.5%	6.0%	9.0%	6.5%	6.5%	8.0%	7.0%	25.0%	17.0%	18.0%	10.0%	1.5%
Cyclical ²	15.0%	21.0%	22.0%	16.5%	15.0%	22.0%	20.0%	18.5%	20.0%	24.0%	5.5%	10.0%	10.0%	10.0%	7.5%	6.5%	0.7%	6.0%	6.5%	5.0%	9.5%	5.0%	4.0%	8.5%	7.0%	20.0%	18.0%	22.0%	10.0%	1.0%
Goldman Sachs	14.4%		18.6%					14.1%		20.8%	3.7%	10.9%	8.7%	8.4%							5.1%		5.1%	5.1%		20.9%	20.9%	21.8%		
IP Morgan	14.0%	16.0%	18.8%	14.3%	14.8%			17.3%		21.5%	3.8%	9.5%	8.5%	8.3%	7.8%	5.5%	0.5%					7.5%	7.0%	9.0%		21.0%	16.8%	16.0%	10.8%	1.3%
Blackrock	15.6%		19.7%					17.9%		22.8%	4.4%		8.5%	9.6%	8.7%	6.1%			6.6%							24.3%	15.2%			
Past 5 Years	9.5%	10.4%	13.9%	10.0%	9.9%	14.6%	13.9%	11.7%	11.4%	14.4%	2.9%	7.7%	5.2%	6.2%	2.4%	0.1%	0.1%										12.6%		16.0%	0.7%
Past 10 Years	15.1%	17.8%	19.9%	15.4%	15.9%	20.3%	20.0%	18.5%	20.3%	22.8%	3.2%	10.5%	10.5%	8.9%	8.1%	0.2%	0.2%										23.3%		21.3%	1.1%
Past 15 Years	13.3%	15.8%	18.2%	13.6%	14.0%	18.9%	18.2%	16.5%	18.3%	21.4%	3.4%	9.8%	9.1%	8.1%	6.7%	0.5%	0.5%										21.2%		21.3%	1.1%
2000's	16.3%		23.0%	18.8%	16.9%	26.3%	21.3%	18.4%	22.1%	28.3%	4.1%	10.2%	12.9%	10.5%	8.2%	7.2%	0.6%	5.7%	6.4%		7.5%	9.2%	7.9%	6.4%	7.7%	13.6%	27.7%	26.7%	6.5%	1.6%
990's	15.8%		19.8%	18.4%	14.9%	24.5%	16.4%	18.6%		26.9%	4.2%	8.1%	8.0%				0.4%	9.1%								9.6%	18.6%	13.1%	4.1%	0.7%
980's	19.4%		23.9%	21.8%	18.1%	27.1%	21.2%	21.5%			9.5%	14.5%	9.9%				0.9%										15.3%	14.5%	2.3%	1.3%
970's	17.1%		30.5%	18.9%	20.1%	29.7%	27.6%	17.2%			5.1%	8.8%	9.9%				0.6%										26.2%			1.2%
960's	13.1%		21.5%	14.1%	15.7%	22.7%	20.4%				2.9%	5.2%	4.7%				0.4%													0.7%
950's	14.1%		14.4%	13.7%	19.3%	13.6%	16.9%				2.6%	4.2%	5.8%				0.2%													1.2%
940's	17.5%		34.5%	16.1%	23.4%	22.5%	31.5%				2.7%	2.1%	11.2%				0.1%													3.1%
930's	41.6%		78.6%	35.6%	68.0%	64.1%	81.0%				3.8%	4.4%	21.9%				0.2%													2.5%

Cyclical": 2-year annualized expectations considering current price, valuation, business cycle, etc.

Historical returns are shown through 12/31/17 except for Private Equity and Property which are through 9/30/17