

CITY OF MANHATTAN BEACH  
 ESTIMATED PENSION LIABILITIES AND RATES  
 MAY 23, 2016

**Table #1 - Estimated/Projected Unfunded Liability (\$000,000)**

	<u>Miscellaneous</u>		<u>Police</u>		<u>Fire</u>		<u>Total</u>	
FY13/14	\$	14	\$	21	\$	9	\$	44
FY14/15	\$	18	\$	26	\$	11	\$	55
FY15/16	\$	26	\$	36	\$	17	\$	79
FY16/17	\$	28	\$	38	\$	18	\$	84
FY17/18	\$	29	\$	40	\$	19	\$	88
FY18/19	\$	31	\$	43	\$	21	\$	95
FY19/20	\$	32	\$	44	\$	21	\$	97
FY20/21	\$	33	\$	46	\$	22	\$	101
FY21/22	\$	33	\$	46	\$	22	\$	101

**Table #2 - Estimated/Projected Contributions @ 6.5% Discount Rate (Current 7.5%)**  
 (50th percentile)

<u>Fiscal</u>	<u>Miscellaneous</u>		<u>Police</u>		<u>Fire</u>	
	<u>6.50%</u>	<u>7.50%</u>	<u>6.50%</u>	<u>7.50%</u>	<u>6.50%</u>	<u>7.50%</u>
FY16/17	13.80%	13.80%	33.00%	33.00%	26.50%	26.50%
FY17/18	19.60%	14.90%	45.80%	35.80%	37.30%	28.70%
FY18/19	22.90%	16.80%	52.90%	40.30%	42.90%	32.30%
FY19/20	26.00%	18.90%	59.80%	45.20%	48.50%	36.30%
FY20/21	28.00%	20.00%	64.70%	48.00%	52.30%	38.70%
FY21/22	30.50%	21.60%	69.60%	51.10%	56.40%	41.40%