

# PENSION RESERVE FUND

Quarterly Executive Report as of December 2013

# **EXECUTIVE SUMMARY**

**Fourth Quarter 2013** 

Market Value
US\$7.3
billion

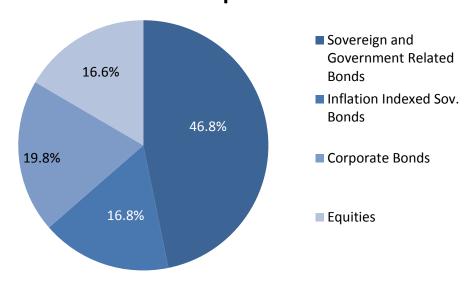
Net Income US\$62.0 million

# Returns in dollars<sup>1</sup>



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

# **Portfolio Composition**



Returns reported in this document correspond to the Time Weighted Rate of Return (TWR), unless otherwise stated. Returns for periods greater than one year are annualized. For periods of less than one year, the return corresponds to the change during the period. Net returns reported are net of management fees.

## I. Market Value of the Fund

Table 1: Quarterly change in market value

(millions of dollars)

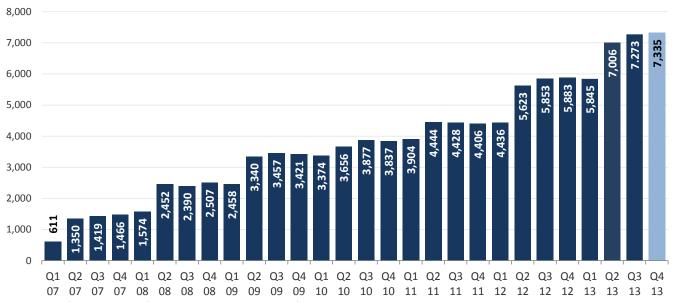
Changes in Market Value		2013			
(US\$ million)	Q1	Q2	Q3	Q4	Since Inception <sup>(1)</sup>
Starting Market Value	5,883.25	5,844.92	7,006.39	7,273.14	0.00
Contributions	0.00	1,376.75	0.00	0.00	6,441.41
Withdrawals	0.00	0.00	0.00	0.00	0.00
Accrued Interest	35.54	43.60	48.51	46.42	638.88
Capital Gains (Losses) (2)	-73.30	-256.51	219.07	16.14	261.97
Admin., Custody and Other Costs (3)	-0.57	-2.36	-0.84	-0.58	-7.14
Final Market Value	5,844.92	7,006.39	7,273.14	7,335.11	7,335.11

<sup>(1)</sup> The PRF was established with an initial contribution of US\$604.5 million on December 28, 2006.

Source: Ministry of Finance, based on information provided by JPMorgan

Figure 1: Evolution of the PRF market value

(millions of dollars)



<sup>(2)</sup> During September 2013 an accounting adjustment of US\$ 48470.0 is applied, which was reversed by the same amount in October.

<sup>(3)</sup> It includes costs associated with consultants and others.

# **II. Returns**

Table 2: Performance by asset class<sup>2</sup>

(percent)

Returns <sup>(a)</sup>	Last 3 Months	YTD	Last 12 months	Last 3 years (annualized) <sup>(b)</sup>	Since Inception <sup>(b)</sup>
Sovereign and Government Related Bonds	-1.16%	-4.32%	-4.32%		
Inflation Indexed Sov. Bonds	0.07%	-2.90%	-2.90%		
Corporate Bonds	1.16%	-0.08%	-0.08%		
Equities	7.46%	23.79%	23.79%		
Total Portfolio	0.85%	1.02%	1.02%	3.09%	4.38%
Exchange rate (CLP)	4.13%	9.44%	9.44%	3.79%	-0.43%
Return in CLP <sup>(d)</sup>	4.98%	10.46%	10.46%	6.88%	3.95%

- (a) Time Weighted Return (it is calculated as the growth rate of the funds that were invested throughout the period).
- (b) Returns by asset class are unavailable before January 17, 2012.
- (c) It is calculated from March 31, 2007, when the performance of Central Bank of Chile started to be measured.
- (d) Return in CLP corresponds to the sum of the percentage change of the exchange rate CLP/USD and the return in USD.

Table 3: Excess returns

(basis points)

Asset Class <sup>(a)</sup>	Last 3 Months	YTD	Last 12 months	Last 3 years (annualized) <sup>(b)</sup>	Since Inception <sup>(b)</sup>
Sovereign Portfolio	-5	-10	-10		
Corporate Bonds	-10	-43	-43		
Equities	2	-18	-18		
Total Portfolio	2	13	13	-65	-43

<sup>(</sup>a) Excess returns without waiver.

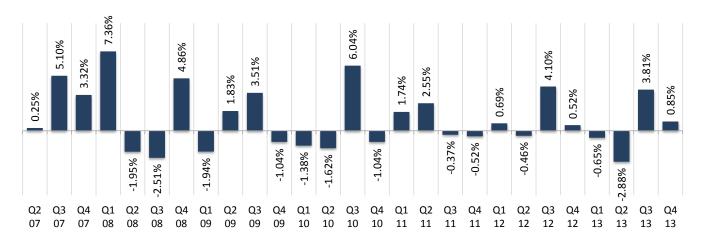
<sup>(</sup>b) Returns by asset class are unavailable before January 17, 2012.

<sup>(</sup>c) It is calculated from March 31, 2007, when the performance of Central Bank of Chile started to be measured.

<sup>&</sup>lt;sup>2</sup> Returns for periods of more than one year are compound annualized rates while those for less than a year correspond to the change as seen in the stated period. To meet high standards of transparency and provide a better assessment of the gains or losses on investments, the Ministry of Finance discloses the fund's return in different time horizons and currencies. With respect to the time horizon, it is important to note that, in keeping with the medium-and long term investment policy, the return assessment should focus on that period, disregarding fluctuations that may occur monthly or quarterly. With regard to returns expressed in different currencies, the return in US dollars allows for an assessment which is more in line with the investment policy given that the fund's resources are wholly invested abroad and in foreign currencies. The return in Chilean pesos is also disclosed. This return reflects changes in the pesodollar exchange rate and, therefore, may experience greater fluctuations. Finally, as with any investment, returns obtained in the past do not guarantee future positive results.

Figure 2: Quarterly returns in dollars (TWR)

(percent)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 3: Internal rate of return (IRR)

(percent)



YTD

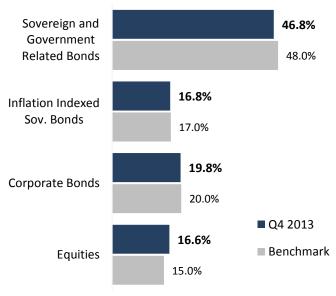
Since Inception

## III. Portfolio Allocation

#### III.1. Total portfolio

Figure 4: Investment by asset class

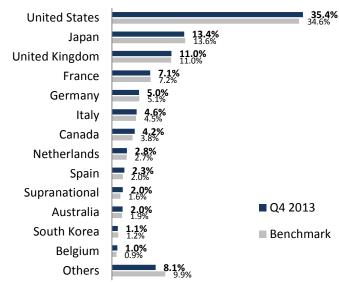
(percent of total)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

#### Figure 5: Investment by country

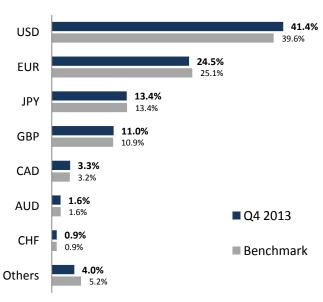
(percent of total)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 6: Investments by currency

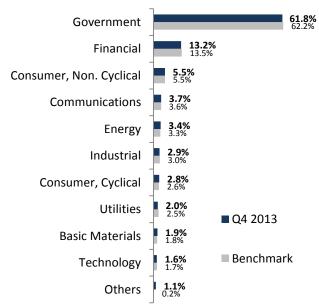
(percent of total)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 7: Investment by economic sector

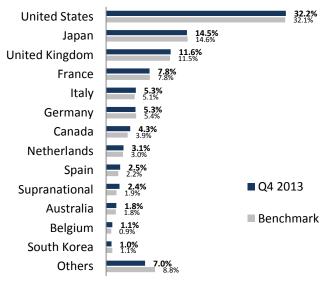
(percent of total)



# III.2. Fixed-income portfolio

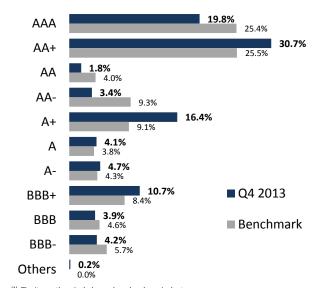
Figure 8: Allocation by country

(percent of fixed-income portfolio)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 9: Portfolio allocation by Credit Risk (1) (percent of fixed-income portfolio)



 $^{(1)}$  The item others includes cash and cash equivalents Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Table 4: Portfolio by issuer credit rating

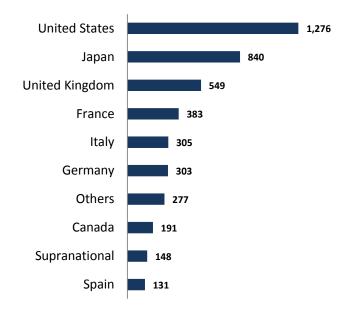
(percent of the fixed-income portfolio)

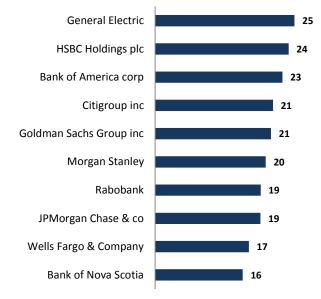
	Sovereign and Government Related Bonds	Inflation Indexed Sov. Bonds	Corporate Bonds	Total Fixed Income
AAA	10.1%	9.5%	0.2%	19.8%
AA+	22.0%	8.5%	0.3%	30.7%
AA	1.1%	0.0%	0.7%	1.8%
AA-	1.6%	0.0%	1.9%	3.4%
A+	13.8%	0.3%	2.3%	16.4%
Α	0.0%	0.0%	4.1%	4.1%
A-	0.8%	0.0%	3.9%	4.7%
BBB+	3.8%	1.8%	5.0%	10.7%
BBB	0.6%	0.0%	3.3%	3.9%
BBB-	2.1%	0.0%	2.1%	4.2%
Others (1)	0.2%	0.0%	0.0%	0.2%
Total	56.1%	20.2%	23.8%	100.0%

<sup>(1)</sup> The item others includes cash and cash equivalents.

**Figure 10: Principal exposures to sovereign bonds** (millions of dollars)

Figure 11: Principal exposures to corporate bonds (millions of dollars)

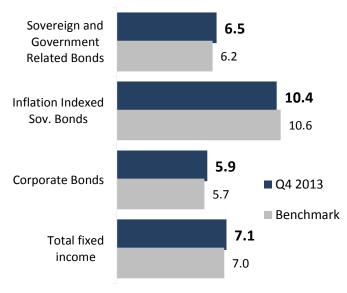




Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 12: Duration (years)



# III.3. Equities

Figure 13: Allocation by country

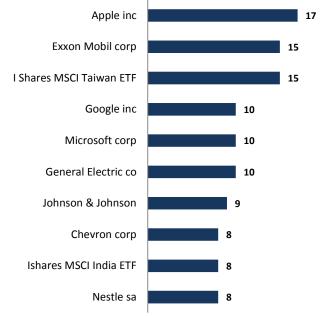
(percent of equity portfolio)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 15: Principal equity exposures

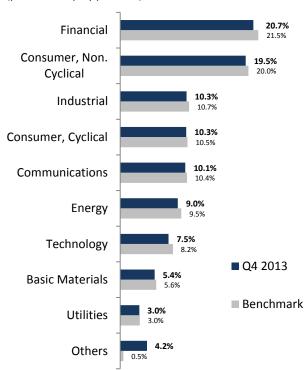
(millions of dollars)



Source: Ministry of Finance, based on information provided by the Central Bank of Chile

Figure 14: Allocation by economic sector

(percent of equity portfolio)



### IV. Other Indicators

An indicator commonly used for monitoring the market risk of the portfolio is the return volatility. In the fourth quarter of 2013, the standard deviation of returns of the PRF was 4.67% <sup>3</sup>. The tracking error ex-post, an indicator used to measure the degree of how close the portfolio tracks the return of benchmark, was 73 basis points <sup>4</sup> at the quarter end.

Table 5
Standard deviation and tracking error ex-post

(in percent and basis points)

	Q4 2013 <sup>(a)</sup>
Standard Deviation	4.67%
Tracking Error (ex post) (bp)	73

<sup>(</sup>a) Calculated using the monthly returns of the last 3 years, annualized.

Source: Ministry of Finance, based on information provided by the Central Bank of Chile

# V. Securities Lending Income and Administration Cost

The cost associated with the management of the fund by those responsible for the investment<sup>5</sup> was US\$ 582,180 during the quarter, while there is no expense associated with the custody service<sup>6</sup> (see Table 6).

Meanwhile, the securities lending program generated revenues of US\$ 71,291 during the quarter.

Table 6
Other flows in the quarter (in dollars)

		Q4 2013
Outflow		
Administration		582,180
Custody		0
Others		0
	Subtotal	582,180
Inflow		
Securities Lending		71,292
Others		0
	Subtotal	71,292

<sup>&</sup>lt;sup>3</sup> Corresponds to the standard deviation of anualized monthly returns of the past three years.

<sup>&</sup>lt;sup>4</sup> Corresponds to the standard deviation of anualized monthly excess returns of the portfolio against the benchmark in the past three years.

<sup>&</sup>lt;sup>5</sup> The Central Bank of Chile is responsible for the investment of the sovereign fixed-income portfolio (65% of the fund), while Mellon Capital Management Corporation and BlackRock Institutional Trust Company for the investment of the equity portfolios (15%), and Rogge Global Partners Plc and BlackRock Institutional Trust Company for the corporate bond portfolios (20%). The entities responsibles for investing portfolios of equities and corporate bond portfolios were selected in 2011.

<sup>&</sup>lt;sup>6</sup> The Custodian bank is J. P. Morgan.

# VI. Appendix

## **Benchmarks**

A benchmark is defined for each asset class of the strategic asset allocation, and corresponds to a representative index of the corresponding market:

Asset class	Percent of total portfolio	Benchmarks
Sovereign and government related bonds (a)	490/	Barclays Capital Global Aggregate: Treasury Bond Index (unhedged)
	48%	Barclays Capital Global Aggregate: Government-Related (unhedged)
Inflation indexed sov. bonds	17%	Barclays Capital Global Inflation-Linked Index (unhedged)
Corporate bonds	20%	Barclays Capital Global Aggregate: Corporates Bond Index (unhedged)
Equities	15%	MSCI All Country World Index ex Chile (unhedged with reinvested dividends)

<sup>(</sup>a) For this asset class, the subindexes are weighted by their relative capitalization.