

PUERTO RICO JUDICIARY RETIREMENT SYSTEM

June 30, 2012 Actuarial Valuation Report

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July 31, 2013

Mr. Héctor M. Mayol Kauffman
Adminstrator
Puerto Rico Judiciary Retirement System
P.O. Box 42003 – Minilas Station
San Juan, PR 00940-2003

Dear Mr. Mayol:

This report presents the results of the actuarial valuation of the Puerto Rico Judiciary Retirement System (PRJRS) as of June 30, 2012. Section I contains highlights of the valuation including a general discussion and comments on the various schedules included in the report. The subsequent Sections contain schedules summarizing the underlying calculations, asset information, participant data, plan benefits and actuarial assumptions and methods.

Purpose

The main purposes of this report are:

- to provide the Annual Required Contribution and Annual Pension Cost for the Fiscal Year ending June 30, 2013 based on relevant Statements of the Government Accounting Standards Board (GASB);
- to review the experience under the plan since the previous valuation;
- to present information pertaining to the operation of the plan for inclusion in financial statements; and
- to assess the relative funded position of the plan.

The use of this report for purposes other than those stated above may not be appropriate and should be reviewed with Milliman.

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The report was prepared solely to provide assistance to the Commonwealth of Puerto Rico Judiciary Retirement System for a specific and limited purpose. It is a complex, technical analysis that assumes a high level of knowledge concerning PRJRS's operations, and uses PRJRS's data, which Milliman has not audited. Milliman and PRJRS do not intend to benefit and assume no duty or liability to other parties who receive this report. Milliman and PRJRS recommend that any third party recipient of this report be aided by its own actuary or other qualified professional when reviewing the Milliman report.

Data Reliance

In performing this analysis, we relied on the census data, asset information, and other information (both written and oral) provided by the System. We have not audited or verified the census data, asset information, or other information. To the extent that any of these are inaccurate or incomplete, the results of this valuation may likewise be inaccurate or incomplete.

We did not audit the data used in our analysis, but did review it for reasonableness and consistency and have not found material defects in the data. It is possible that material defects in the data would be uncovered by a detailed, systematic review and comparison of the data to search for data values that are questionable or for relationships that are materially inconsistent. Such a review was beyond the scope of our assignment.

Future Measurements

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as the following:

- Plan experience differing from the actuarial assumptions;
- Future changes in the actuarial assumptions;
- Increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as potential additional contribution requirements due to changes in the plan's funded status); and,
- Changes in the plan provisions or accounting standards.

Due to the limited scope of our assignment, we did not perform an analysis of the potential range of such measurements.

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Certification

We hereby certify that, to the best of our knowledge, this report is complete and accurate and all costs and liabilities were determined in conformance with generally accepted actuarial principles and practices which are consistent with the Actuarial Standards of Practice promulgated by the Actuarial Standards Board and the applicable Guides to Professional Conduct, amplifying Opinions, and supporting recommendations of the American Academy of Actuaries and are based on actuarial assumptions and methods adopted by the System. All of the actuarial assumptions were developed by Milliman in consultation with PRJRS. We believe that the actuarial assumptions and methods used in this actuarial valuation are reasonable for valuing the benefits provided under the plan.

Actuarial computations presented in this report are for purposes of fulfilling financial accounting requirements under the GASB Statements 25, 27, and 45. The calculations in the enclosed report have been made on a basis consistent with our understanding of the plan provisions described in Section VI of this report, and of the applicable GASB Statements. Determinations for purposes other than meeting these requirements may be significantly different from the results contained in this report. Accordingly, additional determinations may be needed for other purposes.

Qualifications

The consultants who worked on this assignment are pension actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

We are members of the Society of Actuaries and meet the qualification standards of the American Academy of Actuaries to render this actuarial opinion.

Respectfully submitted,



By Glenn D. Bowen, F.S.A.
Member American Academy of Actuaries



Katherine A. Warren, F.S.A.
Member American Academy of Actuaries

PUERTO RICO JUDICIARY RETIREMENT SYSTEM

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

A. Summary of Principal Results of June 30, 2012 Actuarial Valuation (*\$ amounts in thousands*)

	<u>Basic System Pension Benefits only</u>	<u>System Administered Pension Benefits only</u>	<u>GASB 25 & 27 Accounting (Basic System and System Administered Pension Benefits)</u>	<u>GASB 45 Accounting (Other Postemployment Benefits)</u>
Present Value of Benefits ¹	\$429,436	\$53,567	\$483,003	\$7,802
Actuarial Accrued Liability	369,260	47,081	416,340	6,592
Actuarial Value of Assets	<u>58,588</u>	<u>0</u>	<u>58,588</u>	<u>0</u>
Unfunded Actuarial Accrued Liability	310,672	47,081	357,752	6,592
Employer Normal Cost ² as a percent of payroll	5,962 18.03%	849 2.57%	6,811 20.60%	159 0.48%
Annual Required Contribution (ARC) as a percent of payroll	33,481 101.26%	5,020 15.18%	38,501 116.44%	643 1.94%
Annual Pension / OPEB Cost as a percent of payroll	N/A N/A	N/A N/A	36,230 109.57%	603 1.82%
Employer Contributions (<i>estimated</i>) as a percent of payroll	10,032 30.34%	1,336 4.04%	11,368 34.38%	323 0.98%
Portion of ARC not covered (<i>estimated</i>) as a percent of payroll	23,449 70.92%	3,684 11.14%	27,133 82.06%	320 0.96%

¹ A discussion of the benefits included in the respective Present Value of Benefits begins on page 4 of this section.

² Employer Normal Cost and all subsequent annual amounts are on behalf of the July 1, 2012 to June 30, 2013 fiscal year.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

	<u>June 30, 2011</u> <u>Valuation</u>	<u>June 30, 2012</u> <u>Valuation</u>
<i>GASB 25 & 27 Accounting (\$ amounts in thousands)</i>		
Present Value of Benefits ¹	\$442,255	\$483,003
Actuarial Accrued Liability	382,776	416,340
Actuarial Value of Assets	<u>63,975</u>	<u>58,588</u>
Unfunded Actuarial Accrued Liability	318,801	357,752
Employer Normal Cost	5,940	6,811
as a percent of payroll	18.67%	20.60%
Annual Required Contribution		
for upcoming fiscal year	33,544	38,501
as a percent of payroll	105.45%	116.44%

GASB 45 Accounting (\$ amounts in thousands)

Present Value of Benefits ¹	\$6,790	\$7,802
Actuarial Accrued Liability	5,810	6,592
Actuarial Value of Assets	<u>0</u>	<u>0</u>
Unfunded Actuarial Accrued Liability	5,810	6,592
Employer Normal Cost	132	159
as a percent of payroll	0.41%	0.48%
Annual Required Contribution		
for upcoming fiscal year	554	643
as a percent of payroll	1.74%	1.94%

¹ A discussion of the benefits included in the respective Present Value of Benefits begins on page 4 of this section.

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SECTION I – SUMMARY

	June 30, 2011 <u>Valuation</u>	June 30, 2012 <u>Valuation</u>
<i>Participant Data</i>		
<u>Active Members</u>		
Number	362	374
Average Salary	\$87,876	\$88,412
Total Annual Salary	\$31,811,235	\$33,065,960
<u>Retirees</u>		
Number	335	345
Average Monthly Basic System Benefit	\$4,315	\$4,340
Average Monthly System Administered Benefit	\$253	\$242
<u>Disabled Members</u>		
Number	0	0
Average Monthly Basic System Benefit	n/a	n/a
Average Monthly System Administered Benefit	n/a	n/a
<u>Beneficiaries</u>		
Number	56	59
Average Monthly Basic System Benefit	\$1,693	\$1,690
Average Monthly System Administered Benefit	\$140	\$102
<u>Terminated Vested Members</u>		
Number	48*	47*
Average Monthly Basic System Benefit (for those assumed to receive an annuity)	\$3,729	\$3,679

* Terminated vested members include both (a) members due a deferred annuity benefit (25 as of June 30, 2011 and 25 as of June 30, 2012) and (b) members who are due a refund of member and, if applicable, employer contributions (23 as of June 30, 2011 and 22 as of June 30, 2012). Former active members who are not vested in PRJRS but are covered by another Puerto Rico government system are assumed to be due both their member and employer contributions with interest.

Basic System Benefit and System Administered Benefit amounts shown above are for pension benefits, including COLAs, and are as of the respective valuation date. Special Law "bonus" benefits are not reflected.

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SECTION I – SUMMARY

B. General Discussion

Basic System Benefits

As summarized in Section VIII, the Puerto Rico Judiciary Retirement System (PRJRS) provides benefits to members, or their beneficiaries, upon:

- Retirement
- Disability
- Vested withdrawal
- Death
- Nonvested withdrawal (return of contributions)
- Christmas bonus (\$150)

The statutory funding requirement for these benefits as of the June 30, 2012 valuation date totals 38.34% of payroll, comprising 8.0% member and 30.34% employer contributions. The employer contribution rate was increased from 20.0% to 30.34% of payroll as of July 1, 2008. These benefits will be referred to as the “Basic System Benefits” throughout this report.

System Administered Benefits

Also summarized in Section VIII are benefits granted under a series of special laws that are administered by PRJRS, including:

- Additional minimum death benefit
- Cost-of-living adjustments (COLAs)
- Medical insurance plan contribution
- Summer bonus
- Medication bonus
- Christmas bonus (\$450)

These benefits are funded on a pay-as-you-go basis from the General Fund of the Commonwealth of Puerto Rico and will be referred to as “System Administered Benefits” throughout this report. These benefits are not an obligation of the PRJRS assets.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

System Experience since Prior Valuation

The approximate actual rate of return since the prior valuation was 2.87% for 2011-2012. This significant asset loss increased the System's unfunded actuarial accrued liability.

Our analysis of System experience from June 30, 2011 to June 30, 2012 resulted in a liability loss of \$4 million for Basic System Benefits (e.g. – the June 30, 2011 liability of \$336 million was expected to increase to \$346 million as of June 30, 2012, and instead increased to \$350 million, prior to the change in the investment return assumption).

Major sources of gains and losses are as follows:

1. \$3 million loss on 23 new entrants
2. \$4 million loss on continuing retirees and beneficiaries due to fewer deaths than expected and more continuing retirees now reported as married and thus entitled to a survivor benefit upon death
3. \$1 million loss on 2 "pop-up" retirees who were not in the June 30, 2011 census data
4. \$3 million gain due to salary increases less than anticipated (basically there were no increases in salary year over year)
5. \$1 million gain from all other sources

Changes in Assumptions since Prior Valuation

This valuation reflects a decrease in the interest rate assumption for GASB 25 & 27 purposes from 6.6% per year to 6.1% per year. The 6.1% assumption reflects the asset allocation that was adopted by the Board during November 2011 as shown below and Milliman's capital market assumptions as of June 30, 2012.

Asset Class	Target Allocation
Domestic Equity	40%
International Equity	15%
Fixed Income	44%
Cash	1%

This valuation also reflects a decrease in the interest rate assumption for GASB 45 purposes from 4.0% per year to 3.2% per year. The 3.2% assumption reflects

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SECTION I – SUMMARY

Milliman's capital market assumptions as of June 30, 2012 and assumes that the Commonwealth's General Fund (the assets used to pay the GASB 45 benefits) is investment approximately in 50% cash and 50% short-term bonds.

The decrease in the interest rate assumption increased the Actuarial Accrued Liability as of June 30, 2012 for Basic System Benefits by \$19 million, from \$350 million to \$369 million, or by 5.4%. The increase in the ARC for Basic System Benefits was \$1.6 million or 5.0%.

For GASB 25 and 27 accounting, the decrease in the interest rate assumption increased the Actuarial Accrued Liability as of June 30, 2012 by \$23 million, from \$393 million to \$416 million, or by 5.9%. The increase in the ARC was \$1.9 million or 5.1%.

For GASB 45 accounting, the decrease in the interest rate assumption increased the Actuarial Accrued Liability as of June 30, 2012 by \$0.6 million, from \$6.0 million to \$6.6 million, or by 10.3%. The increase in the ARC was \$0.04 million or 7.2%.

GASB Accounting Information

Accounting results under Governmental Accounting Standards Board Statement No. 25, "*Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans*" (GASB 25), Statement No. 27, "*Accounting for Pensions by State and Local Governmental Employers*" (GASB 27), and Governmental Accounting Standards Board Statement No. 45, "*Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*" (GASB 45) are presented in two sections in this report as discussed below. In addition, as requested by PRJRS, we have separately determined the Annual Required Contribution based on GASB 25 and 27 rules for just the Basic System Benefits.

Basic System Benefits Information

We have performed a June 30, 2012 actuarial valuation of the Basic System Benefits and have prepared accounting results for them based on GASB 25 and 27 rules.

The FY 2012-2013 ARC for the Basic System Benefits only based on GASB 25 and 27 rules would be \$33,481,250, which equals 101.26% of payroll. The ARC represents the portion of the cost of PRJRS' Basic System Benefits that employers should pay in order

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SECTION I – SUMMARY

for PRJRS to be actuarially funded in accordance with GASB's required minimum parameters; i.e., the ARC has been reduced to reflect the fact that active members contribute 8% of pay to the system. The employer portion of the statutory funding requirement, which is 30.34% of payroll, is less than the ARC by 70.92% of payroll, or \$23,449,038.

As shown in Subsection D of Section IV, PRJRS has Unfunded Actuarial Accrued Liabilities of \$310.7 million on behalf of Basic System Benefits, which should be amortized over a period not to exceed 30 years in accordance with GASB 25 and 27 rules. Based on the current statutory member and employer funding requirements, the UAAL is expected to grow indefinitely into the future instead of being amortized. Effectively, this means that the statutory member and employer contributions to PRJRS are not adequate to fund PRJRS' Basic System Benefits. ***Instead, PRJRS is being rapidly disfunded.***

GASB 25 and 27 Accounting Information

We have performed a June 30, 2012 actuarial valuation of the Basic System Benefits and the System Administered Benefits (excluding the Medical Insurance Plan Contribution) and have prepared accounting results under GASB 25 for the financial statements of the System and under GASB 27 for the Commonwealth of Puerto Rico's financial statements.

The FY 2012-2013 ARC under GASB 25 and 27 is \$38,500,703, which equals 116.44% of payroll. This includes the Basic System Benefits and the System Administered Benefits (excluding the Medical Insurance Plan Contribution). The FY 2012-2013 APC under GASB 27 is \$36,229,722, which equals 109.57% of payroll.

As shown in Subsection B of Section V, the Unfunded Actuarial Accrued Liability on a GASB 25 and 27 basis is \$357.8 million. Based on the current funding requirements, the UAAL is expected to grow indefinitely into the future. As discussed above, the statutory member and employer contributions to PRJRS are not adequate to fund PRJRS' Basic System Benefits. ***Instead, PRJRS is being rapidly disfunded.*** The System Administered Benefits are financed on a pay-as-you-go basis from the General Fund of the Commonwealth of Puerto Rico

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GASB 45 Accounting Information

We have performed a June 30, 2012 actuarial valuation of the Medical Insurance Plan Contribution and have prepared accounting results for the Commonwealth of Puerto Rico's financial statements under GASB 45. (Note that the Medication Bonus has been included in the GASB 25 and 27 results as a Pension Benefit because members can receive the bonus without submitting documentation to substantiate medication expenses.)

The FY 2012-2013 ARC for the Medical Insurance Plan Contribution under GASB 45 is \$642,988, which equals 1.94% of payroll.

There are no member or employer contributions on behalf of the Medical Insurance Plan Contribution. This benefit is financed on a pay-as-you-go basis from the General Fund of the Commonwealth of Puerto Rico. Since this is an Other Postemployment Benefit that is not funded in advance, the ARC for this benefit has been calculated based on an assumed investment return rate of 3.2%, instead of the 6.1% rate used for the Pension Benefits. As shown in Subsection B of Section VI, the Unfunded Actuarial Accrued Liability on a GASB 45 basis for this benefit is \$6.6 million.

Solvency Test for Basic System Benefits

Subsection A of Section III determines the solvency percentage for each membership group for the Basic System Benefits. The Actuarial Value of Assets was allocated to each membership group by first allocating based on the accumulated member contributions with interest. The remaining assets were then assigned first to retirees, disabled members, and beneficiaries, second to terminated members with rights to a deferred pension, and then to active members. As shown in Subsection A of Section III, the overall solvency percentage is 15.9%. For retirees, disabled members, and beneficiaries, the solvency percentage is 12.2%. Vested terminated members with rights to deferred pensions or due a refund of member contributions and active members have solvency percentages of 14.4% and 21.0%, respectively. Accumulated member contributions for active members includes contributions from other government retirement systems as years of government service are considered in this system once eight years of service are earned as a judge.

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Note there were insufficient assets to cover all of the benefit obligations attributable to retirees, disabled members, and beneficiaries. Therefore, the assets allocated to vested terminated members with the right to a deferred pension or due a refund of member contributions and active members are solely attributable to the accumulated value of their own contributions; no employer contributions are available to fund their benefit obligations based on this allocation procedure.

Cash Flow Projection for Basic System Benefits

PRJRS is a mature retirement system with a significant retiree population. Based on the current statutory funding requirements, the annual benefit payments and administrative expenses paid by the system are significantly larger than the member and employer contributions made to the system. Thus investment income must be used to cover this negative cash flow. As the negative cash flow exceeds expected investment income, system assets are expected to continually decline. PRJRS' liabilities for the Basic System Benefits will continue to increase significantly over time. Thus the funded status can be expected to decline over time based on the actuarial assumptions used to prepare this actuarial valuation.

The table shown in Subsection B of Section III provides a simplified illustration of the expected negative net cash flows over the next 10 years. Annual payroll growth of 3.0% is assumed, as future members are assumed to replace current members who terminate or retire. (Note, we did not attempt to include in the expected benefit payments any benefit payments attributable to new members in preparing this table. Members who join PRJRS in the future will generate some cash outflow during the next 10 years due to refunds of their contributions, death and disability benefits, and immediate annuities due to service purchases, etc. We expect that these amounts will be relatively modest and they have not been included in the results shown. Doing so would increase the expected negative net cash flow.)

Based on this estimate of future statutory contributions and benefit payments, the PRJRS assets will be exhausted by the 2018-2019 fiscal year, assuming an annual 6.1% investment return.

We recommend that the statutory funding requirements be significantly increased in excess of the recent employer contribution rate increase to 30.34% in light of:

- ***the expected negative net cash flows;***

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- ***the forecast exhaustion of plan assets by 2018-2019; and,***
- ***the Annual Required Contribution based on GASB 25 and 27.***

Alternative Contribution Scenario

For informational purposes, we have prepared an alternative contribution scenario under which employer contributions to the System are increased as necessary to prevent negative net cash flow (i.e. employer contributions will be increased so that the employer and member contributions in a given year are at least as large as the benefit payments and administrative expenses for that year.) The table shown in subsection C of Section III modifies the simplified illustration in Subsection B of Section III (described above) to reflect these proposed additional employer contributions.

As shown in this table, the additional employer contributions start at \$9.1 million in Fiscal Year 2012-13 and increase to \$14.1 million in Fiscal Year 2022-23. In this simplified illustration, net plan assets are estimated to grow at the assumed investment return of 6.1% each year, thus the market value of assets increases over time as opposed to decreasing to \$0 under the baseline scenario. Increasing employer contributions as proposed, in order to prevent negative cash flow, can be a powerful tool in ensuring the System's ability to pay benefits in future years. Still, this is a lower and different goal than moving a fully funded status.

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SECTION I – SUMMARY

C. Discussion of Supporting Exhibits

System Assets

Section II summarizes the plan assets taken into account in the preparation of the GASB 27 Employer Accounting results for PRJRS.

Subsection A summarizes the Market Value of Assets as of June 30, 2012, including the additional amounts due to the contribution receivables, if any.

Subsection B summarizes the reconciliation of the Market Value of Assets from June 30, 2011 to June 30, 2012.

Subsection C summarizes the development of the Actuarial Value of Assets as of June 30, 2012. The Actuarial Value of Assets is equal to the Market Value of Assets.

Subsection D develops an estimated rate of return on plan assets for the previous plan year. The estimated rate of return from June 30, 2011 to June 30, 2012 was 2.87% on the Market Value of Assets.

Subsection E summarizes the historical estimated rate of return on plan assets on a market value basis.

The asset information used for the valuation was taken from financial statements provided by PRJRS as of June 30, 2012.

Management Information

Section III presents additional information that has been derived from the valuation process and is illustrative of the expected future decline in funded status that is projected based upon our analysis of the valuation results.

Subsection A shows the allocation of assets to liability for Basic System Benefits by membership group and determines the solvency percentage for each group. Please see Subsection B of Section I for a description of this determination.

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Subsection B shows a projected cash flow for the current fiscal year and the next ten fiscal years for Basic System Benefits. Please see Subsection B of Section I for a description of this projection.

Subsection C shows a projected cash flow for the current fiscal year and the next ten fiscal years for Basic System Benefits under an alternative contribution scenario where employer contributions are increased as needed to prevent negative cash flow. Please see Subsection B of Section I for a description of this alternative projection.

Basic System Benefits Information

Section IV summarizes the Actuarial Accrued Liability and the development of the Annual Required Contribution for just the Basic System Benefits under GASB 25 and 27 for the fiscal year ending June 30, 2013 (please see Subsection B of Section I for a description of the benefits included in this valuation).

Subsection A summarizes the development of the Present Value of Benefits as of June 30, 2012.

Subsection B summarizes the development of the Actuarial Accrued Liability as of June 30, 2012.

Subsection C summarizes the development of the Employer Normal Cost. The Employer Normal Cost is the total normal cost under the Projected Unit Credit Actuarial Cost Method adjusted for interest to mid-year, increased by expected administrative expenses paid from the fund, and reduced by expected member contributions.

Subsection D summarizes the development of the amortization payment of the Unfunded Actuarial Accrued Liability. The amortization period used to calculate the ARC is 14 years from June 30, 2012 with annual payments increasing each year by 3.0% to remain as a level percent of payroll.

Subsection E summarizes the development of the Annual Required Contribution (ARC). The ARC is the sum of the employer normal cost and the amortization payments, adjusted to mid-year to reflect that payments are made throughout the year.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

GASB 25 and 27 Accounting Information

Section V summarizes the Actuarial Accrued Liability and the development of the Annual Required Contribution and Annual Pension Cost under GASB 25 and 27 for the fiscal year ending June 30, 2013 (please see Subsection B of Section I for a description of the benefits included in these valuation results). Results are shown in total for GASB 25 and 27, with the Actuarial Accrued Liability and Employer Normal Cost presented for the underlying Basic System Benefits and for the underlying System Administered Benefits that are included in this valuation.

Subsection A summarizes the development of the Actuarial Accrued Liability as of June 30, 2012 and Employer Normal Cost as of December 31, 2012.

Subsection B summarizes the development of the amortization payment of the Unfunded Actuarial Accrued Liability. The amortization period used to calculate the ARC is 14 years from June 30, 2012 with annual payments increasing each year by 3.0% to remain as a level percent of payroll.

Subsection C summarizes the development of the Annual Required Contribution (ARC). The ARC is the sum of the employer normal cost and the amortization payments, adjusted to mid-year to reflect that payments are made throughout the year.

Subsection D summarizes the development of the Net Pension Obligation (NPO) as of June 30, 2012. The NPO is defined as the cumulative difference between the Annual Pension Cost (APC) and the employer's contribution to the plan, including any pension liability (asset) at transition.

Subsection E summarizes the development of the APC for the fiscal year ending June 30, 2013. The APC is the amount recognized in the employer's financial statements as the cost of the pension plan and is determined in accordance with GASB Statement No. 27. The APC is equal to the ARC plus interest on the NPO, if any, as of June 30, 2012 less an amortization of this NPO.

Subsection F shows a seven-year history of the ARC, APC, and the percentage contributed. This schedule is required by GASB Statements No. 25 and 27. The FY 2012-2013 contribution percentage assumes that employer contributions for Basic System Benefits will remain at the statutory level of 30.34% of payroll and that employer

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

contributions for the applicable System Administered Benefits will be the anticipated pay-as-you-go payments. Based on our understanding of prior valuations, the ARC and APC shown for the year ending June 30, 2007 do not include the liability for any System Administered Benefits. In addition, the Actual Employer Contributions shown for fiscal year June 30, 2007 only reflect the contributions for the Basic System Benefit, no contributions for the System Administered Benefits have been included. The amounts shown for the fiscal year ending June 30, 2007 are from the audited financial statements for the System and for the Commonwealth of Puerto Rico.

Subsection G shows a six-year history of the funding progress of the plan. This schedule is required by GASB Statements No. 25 and 27. The amounts shown for the fiscal year ending June 30, 2007 are from the audited financial statements for the System.

Schedule H summarizes information used to determine the Annual Required Contribution for the fiscal year ending June 30, 2013.

GASB 45 Accounting Information

Section VI summarizes the Actuarial Accrued Liability and the development of the Annual Required Contribution for the fiscal year ending June 30, 2013 for the Medical Insurance Plan Contribution.

Subsection A summarizes the development of the Actuarial Accrued Liability as of June 30, 2012 and Employer Normal Cost as of December 31, 2012.

Subsection B summarizes the development of the amortization payment of the Unfunded Actuarial Accrued liability. The amortization period used to calculate the ARC is 14 years from June 30, 2012 with annual payments increasing each year by 3.0% to remain as a level percent of payroll.

Subsection C summarizes the development of the Annual Required Contribution (ARC). The ARC is the sum of the employer normal cost and the amortization payments, adjusted to mid-year to reflect that payments are made throughout the year.

Subsection D summarizes the development of the Net OPEB Obligation (NOO) as of June 30, 2012. The NPO is defined as the cumulative difference between the Annual

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

OPEB Cost (AOC) and the employer's contribution to the plan since the adoption of GASB 45.

Subsection E summarizes the development of the AOC for the fiscal year ending June 30, 2013. The AOC is the amount recognized in the employer's financial statements as the cost of other postemployment benefits and is determined in accordance with GASB Statement No. 45. The AOC is equal to the ARC plus interest on the NOO, if any, as of June 30, 2012 less an amortization of this NOO.

Subsection F shows a six-year history of the ARC, AOC, and the percentage contributed. This schedule is required by GASB Statements No. 45. The FY 2012-2013 contribution percentage assumes that employer contributions for the Medical Insurance Plan Contribution will be the anticipated pay-as-you-go payments.

Subsection G shows a six-year history of the funding progress of the plan. This schedule is required by GASB Statements No. 45.

Schedule H summarizes information used to determine the Annual Required Contribution for the fiscal year ending June 30, 2013.

Census Data

Section VII summarizes the census data provided by the System and utilized in the preparation of the actuarial valuation. Subsection A provides a reconciliation of the current year participant counts from the prior valuation. Subsection B presents a profile of active participants, summarized by gender and age and service groups. Subsections C, D, and E show the number and average benefit of the terminated vested participants, retirees, and beneficiaries, respectively. Special data adjustments are discussed in Section IX.

Summary of Principal Plan Provisions

Section VIII summarizes the principal plan provisions as of the valuation date and denotes any changes from the previous valuation.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION I – SUMMARY

Actuarial Assumptions and Methods

Sections IX and X summarize the actuarial assumptions and methods that were utilized in the preparation of this actuarial valuation and denote any changes from the previous valuation.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION II - SYSTEM ASSETS

A. Market Value of Assets as of June 30, 2012

1. Assets		
Cash	\$	13,376,000
Bonds		30,524,000
Stocks		18,206,000
Total Loans to Plan Members		471,000
Accounts Receivable		<u>282,000</u>
Total	\$	62,859,000
2. Total Liabilities	\$	4,271,000
3. Market Value of Assets as of June 30, 2012: (1) - (2)	\$	58,588,000

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION II - SYSTEM ASSETS

B. Reconciliation of Market Value of Assets from June 30, 2011 to June 30, 2012

1. Market Value of Assets as of June 30, 2011	\$	63,975,000
2. Additions		
a. Contributions		
Member Contributions	\$	2,943,000
Employer Contributions		10,088,000
Appropriations for Special Laws		<u>500,000</u>
Total Contributions	\$	13,531,000
b. Investment Income		
Interest Income	\$	1,361,000
Dividends Income		7,000
Net Appreciation of Investments		517,000
Other Income		18,000
Investment Related Expenses		<u>(167,000)</u>
Net Investment Income	\$	1,736,000
Total Additions	\$	15,267,000
3. Decreases		
Refund of Member Contributions	\$	0
Annuities, Death Benefits, and Special Law Benefits		19,895,000
Administrative Expenses		<u>759,000</u>
Total	\$	20,654,000
4. Net Increase (Decrease) in Market Value of Assets	\$	(5,387,000)
5. Market Value of Assets as of June 30, 2012	\$	58,588,000

C. Development of Actuarial Value of Assets as of June 30, 2012

The Actuarial Value of Assets as of June 30, 2012 is equal to the Market Value of Assets as of June 30, 2012 of \$58,588,000.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION II - SYSTEM ASSETS

D. Estimated Annual Rate of Return for year ending June 30, 2012

	<u>Market Value</u>
1. Value of Assets as of June 30, 2011	\$ 63,975,000
2. Total Contributions	13,531,000
3. Benefit Payments and Expenses	20,654,000
4. Value of Assets as of June 30, 2012	58,588,000
5. Non-Investment Increment: (2) - (3)	(7,123,000)
6. Investment Increment: (4) - (1) - (5)	1,736,000
7. Time Weighted Value: (1) +.5 * (5)	60,413,500
8. Estimated Annual Rate of Return: (6) / (7)	2.87%

E. Estimated Historical Rates of Return

<u>Plan Year Ending</u>	<u>Market Value</u>
June 30, 2012	2.87%
June 30, 2011	27.22%
June 30, 2010	19.74%
June 30, 2009	-22.68%
June 30, 2008	-8.06%
5-year Compounded Annual Return	2.18%

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION III - MANAGEMENT INFORMATION

A. Allocation of Assets for Basic System Benefits to Membership Group

Membership Group	Actuarial Accrued Liability	Allocated Assets *	Solvency Percentage
1. Retirees, Disabled Members, and Beneficiaries	\$205,922,848	\$ 25,046,964	12.2%
2. Vested Terminated Members	11,304,132	1,622,424	14.4%
3. Active Members	<u>152,032,669</u>	<u>31,918,612</u>	<u>21.0%</u>
4. Total	\$369,259,649	\$ 58,588,000	15.9%

* Allocated assets are determined by first assigning the accumulated member contributions with interest to each membership category. Remaining assets are then allocated first to retirees, disabled members, and beneficiaries, second to vested terminated members, and the rest to active members.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION III - MANAGEMENT INFORMATION

B. Projected Cash Flows for Basic System Benefits (Simplified Illustration)

Plan Year Ending	Estimated Payroll	Estimated Member and Employer Contributions				Estimated Benefit Payments and Administrative Expenses	Net Cash Flow	Estimated Net Plan Assets at Year-End
		Member	Statutory Employer	Additional Employer	Total			
06/30/2013	33,066,000	2,645,000	10,032,000	0	12,677,000	21,780,000	(9,103,000)	52,785,000
06/30/2014	34,058,000	2,725,000	10,333,000	0	13,058,000	22,824,000	(9,766,000)	45,946,000
06/30/2015	35,080,000	2,806,000	10,643,000	0	13,449,000	24,188,000	(10,739,000)	37,687,000
06/30/2016	36,132,000	2,891,000	10,962,000	0	13,853,000	25,280,000	(11,427,000)	28,215,000
06/30/2017	37,216,000	2,977,000	11,291,000	0	14,268,000	26,317,000	(12,049,000)	17,525,000
06/30/2018	38,333,000	3,067,000	11,630,000	0	14,697,000	27,256,000	(12,559,000)	5,658,000
06/30/2019	39,482,000	3,159,000	11,979,000	0	15,138,000	28,643,000	(13,505,000)	(7,908,000)
06/30/2020	40,667,000	3,253,000	12,338,000	0	15,591,000	29,459,000	(13,868,000)	(22,675,000)
06/30/2021	41,887,000	3,351,000	12,709,000	0	16,060,000	30,239,000	(14,179,000)	(38,663,000)
06/30/2022	43,144,000	3,451,000	13,090,000	0	16,541,000	30,702,000	(14,161,000)	(55,608,000)
06/30/2023	44,438,000	3,555,000	13,482,000	0	17,037,000	31,120,000	(14,083,000)	(73,506,000)

Notes:

- Estimated Net Plan Assets at Year-End assumes that the investment return assumption of 6.1% is met.
- Estimated Payroll is assumed to grow 3.0% annually.
- Member Contributions were estimated to be 8.00% of Estimated Payroll.
- Statutory Employer Contributions were estimated to be 30.34% of Estimated Payroll.
- No Additional Employer Contributions were assumed.
- The Estimated Benefit Payments do not include amounts expected to be made to future participants, such as:
 - refund of contributions to terminated nonvested participants,
 - disability benefits,
 - death benefits,
 - retirement benefits due to service purchase,
 and thus are slightly understated.
- Administrative Expenses are assumed to grow 2.5% annually.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION III - MANAGEMENT INFORMATION

C. Projected Cash Flows for Basic System Benefits (Simplified Illustration) - Alternative Contribution Scenario

Plan Year Ending	Estimated Payroll	Estimated Member and Employer Contributions				Estimated Benefit Payments and Administrative Expenses	Net Cash Flow	Estimated Net Plan Assets at Year-End
		Member	Statutory Employer	Additional Employer	Total			
06/30/2013	33,066,000	2,645,000	10,032,000	9,103,000	21,780,000	21,780,000	0	62,162,000
06/30/2014	34,058,000	2,725,000	10,333,000	9,766,000	22,824,000	22,824,000	0	65,954,000
06/30/2015	35,080,000	2,806,000	10,643,000	10,739,000	24,188,000	24,188,000	0	69,977,000
06/30/2016	36,132,000	2,891,000	10,962,000	11,427,000	25,280,000	25,280,000	0	74,246,000
06/30/2017	37,216,000	2,977,000	11,291,000	12,049,000	26,317,000	26,317,000	0	78,774,000
06/30/2018	38,333,000	3,067,000	11,630,000	12,559,000	27,256,000	27,256,000	0	83,580,000
06/30/2019	39,482,000	3,159,000	11,979,000	13,505,000	28,643,000	28,643,000	0	88,678,000
06/30/2020	40,667,000	3,253,000	12,338,000	13,868,000	29,459,000	29,459,000	0	94,087,000
06/30/2021	41,887,000	3,351,000	12,709,000	14,179,000	30,239,000	30,239,000	0	99,827,000
06/30/2022	43,144,000	3,451,000	13,090,000	14,161,000	30,702,000	30,702,000	0	105,916,000
06/30/2023	44,438,000	3,555,000	13,482,000	14,083,000	31,120,000	31,120,000	0	112,377,000

Notes:

- Estimated Net Plan Assets at Year-End assumes that the investment return assumption of 6.1% is met.
- Estimated Payroll is assumed to grow 3.0% annually.
- Member Contributions were estimated to be 8.00% of Estimated Payroll.
- Statutory Employer Contributions were estimated to be 30.34% of Estimated Payroll.
- **Additional Employer Contributions are determined in the amount needed to prevent negative net cash flow.**
- The Estimated Benefit Payments do not include amounts expected to be made to future participants, such as:
 - refund of contributions to terminated nonvested participants,
 - disability benefits,
 - death benefits,
 - retirement benefits due to service purchase,
 and thus are slightly understated.
- Administrative Expenses are assumed to grow 2.5% annually.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IV - BASIC SYSTEM BENEFITS INFORMATION

A. Development of Present Value of Benefits as of June 30, 2012

1. Projected Benefits Payable to Retirees and Beneficiaries		
Retirees	\$	196,485,150
Disabled Members		0
Beneficiaries		<u>9,437,698</u>
Total	\$	205,922,848
2. Projected Benefits for Vested Terminated Members		11,304,132
3. Projected Benefits for Active Members		
Retirement	\$	200,516,706
Disability		4,168,779
Pre Retirement Death		1,920,905
Return of Members' Contributions		1,572,579
Vested Withdrawal		<u>4,029,899</u>
Total	\$	212,208,868
4. Total Present Value of Benefits: (1) + (2) + (3)	\$	429,435,848

The above liabilities are for Basic System Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IV - BASIC SYSTEM BENEFITS INFORMATION

B. Development of Actuarial Accrued Liability as of June 30, 2012

1. Projected Benefits Payable to Retirees and Beneficiaries		
Retirees	\$	196,485,150
Disabled Members		0
Beneficiaries		<u>9,437,698</u>
Total	\$	205,922,848
2. Projected Benefits for Vested Terminated Members		11,304,132
3. Actuarial Accrued Liability for Active Members		
Retirement	\$	143,181,738
Disability		3,435,834
Pre Retirement Death		1,462,009
Return of Members' Contributions		1,016,492
Vested Withdrawal		<u>2,936,596</u>
Total	\$	152,032,669
4. Total Actuarial Accrued Liability: (1) + (2) + (3)	\$	369,259,649

The above liabilities are for Basic System Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IV - BASIC SYSTEM BENEFITS INFORMATION

C. Development of Employer Normal Cost Payable as of December 31, 2012

1. Total Normal Cost as of June 30, 2012		
Retirement	\$	7,029,387
Disability		129,832
Pre Retirement Death		69,136
Return of Members' Contributions		155,125
Vested Withdrawal		<u>247,329</u>
Total	\$	7,630,809
2. Expected Member Contributions	\$	2,533,279
3. Load for Administrative Expenses:	\$	635,000
4. Total Employer Normal Cost as of December 31, 2012: (1) * (1.061 ^ 0.5) - (2) + (3)	\$	5,961,825

The above liabilities are for Basic System Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IV - BASIC SYSTEM BENEFITS INFORMATION

**D. Development of Unfunded Actuarial Accrued Liability and Amortization
Payment Payable as of December 31, 2012**

1. Actuarial Accrued Liability as of June 30, 2012	\$	369,259,649
2. Actuarial Value of Assets as of June 30, 2012	\$	58,588,000
3. Unfunded Actuarial Accrued Liability as of June 30, 2012: (1) - (2)	\$	310,671,649
4. Amortization Period in years		14
5. Amortization Factor at beginning of year *		11.6284
6. Amortization Amount Payable as of December 31, 2012: [(3) / (5)] * (1.061 ^ 0.5)	\$	27,519,425

* Amortization calculated as a level percent of pay increasing 3.0% per year.

E. Development of Annual Required Contribution

1. Total Employer Normal Cost as of December 31, 2012	\$	5,961,825
2. Amortization Payment as of December 31, 2012	\$	27,519,425
3. Annual Required Contribution*: (1) + (2)	\$	33,481,250

* Assumes payments made throughout the year.

The above liabilities are for Basic System Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

A. Benefit Obligations

	<u>Basic System Benefits</u>		<u>System Administered Benefits</u>		<u>Total</u>
1. Projected Benefits as of June 30, 2012 Payable to:					
Retirees	\$ 196,485,150		\$ 28,266,793		\$ 224,751,943
Disabled Members	0		0		0
Beneficiaries	9,437,698		801,191		10,238,889
Vested Terminated Members	11,304,132		1,206,052		12,510,184
Active Members	<u>212,208,868</u>		<u>23,292,828</u>		<u>235,501,696</u>
Total	\$ 429,435,848		\$ 53,566,864		\$ 483,002,712
2. Actuarial Accrued Liability for Active Members	\$ 152,032,669		\$ 16,806,494		\$ 168,839,163
3. Actuarial Accrued Liability as of June 30, 2012	\$ 369,259,649		\$ 47,080,530		\$ 416,340,179
4. Total Employer Normal Cost as of December 31, 2012	\$ 5,961,825		\$ 849,040		\$ 6,810,865

The above liabilities are for Basic System Benefits and selected System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

B. Development of Unfunded Actuarial Accrued Liability and Amortization Payment Payable as of December 31, 2012

1. Actuarial Accrued Liability as of June 30, 2012	\$	416,340,179
2. Actuarial Value of Assets as of June 30, 2012	\$	58,588,000
3. Unfunded Actuarial Accrued Liability as of June 30, 2012: (1) - (2)	\$	357,752,179
4. Amortization Period in years		14
5. Amortization Factor at beginning of year *		11.6284
6. Amortization Amount Payable as of December 31, 2012: [(3) / (5)] * (1.061 ^ 0.5)	\$	31,689,838

* Amortization calculated as a level percent of pay increasing 3.0% per year.

C. Development of Annual Required Contribution

1. Total Employer Normal Cost as of December 31, 2012	\$	6,810,865
2. Amortization Payment as of December 31, 2012	\$	31,689,838
3. Annual Required Contribution*: (1) + (2)	\$	38,500,703

* Assumes payments made throughout the year.

The above liabilities are for Basic System Benefits and selected System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

D. Development of Net Pension Obligation as of June 30, 2012

1. Net Pension Obligation as of June 30, 2011	\$	54,267,116
2. Annual Pension Cost for Fiscal Year 2011 - 2012	\$	32,274,160
3. Fiscal Year 2011 - 2012 Employer Contribution	\$	11,448,000
4. Net Pension Obligation as of June 30, 2012: (1) + (2) - (3)	\$	75,093,276

E. Development of Fiscal Year 2012 - 2013 Annual Pension Cost

1. Annual Required Contribution	\$	38,500,703
2. Interest on Net Pension Obligation as of June 30, 2012	\$	4,580,690
3. Adjustment to the Annual Required Contribution	\$	6,851,671
4. Fiscal Year 2012 - 2013 Annual Pension Cost: (1) + (2) - (3)	\$	36,229,722

The above liabilities are for Basic System Benefits and selected System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

F. Schedule of Employer Contributions

<u>Year Ended June 30</u>	<u>Actual Employer Contribution</u>	<u>Annual Required Contribution</u>	<u>Percent Contributed</u>	<u>Annual Pension Cost</u>	<u>Percent Contributed</u>
2013	\$11,368,000	\$38,500,703	29.53%*	\$36,229,722	31.38%*
2012	11,448,000	33,543,944	34.13	32,274,160	35.47
2011	10,955,000	29,683,697	36.91	29,112,555	37.63
2010	11,006,000	28,127,454	39.13	27,894,796	39.46
2009	11,105,000	22,195,169	50.03	22,122,808	50.20
2008	7,262,000	19,803,209	36.67	19,828,957	36.62
2007	6,632,000	9,735,243	68.12	9,553,000	69.42

* Percentage contributed for the year ended June 30, 2013 assumes the actual employer contribution is 30.34% of expected payroll for the Basic System Benefits plus the expected pay-as-you-go amounts for the selected System Administered Benefits.

Please refer to pages 13-14 for a discussion of the benefits not reflected in the above amounts for the years ending on June 30, 2007, which may impair the comparison of prior valuation amounts.

The above liabilities are for Basic System Benefits and selected System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

G. Schedule of Funding Progress

	(a)	(b)	(c)=(b)-(a)	(d)=(a)/(b)	(e)	(f)=(c)/(e)
Actuarial Valuation <u>Date</u>	Actuarial Value of <u>Assets</u>	Accrued <u>Liability</u>	Unfunded <u>Liability</u>	Funded <u>Ratio</u>	Annual <u>Salary</u>	Unfunded Liability as a % of Annual <u>Salary</u>
06/30/2012	\$58,588,000	\$416,340,179	\$357,752,179	14.1%	\$33,065,960	1081.9%
06/30/2011	63,975,000	382,776,046	318,801,046	16.7%	31,811,235	1002.2%
06/30/2010	55,410,000	338,195,442	282,785,442	16.4%	32,060,841	882.0%
06/30/2009	50,566,000	323,928,191	273,362,191	15.6%	30,586,694	893.7%
06/30/2008	69,311,000	-----not determined-----				
06/30/2007	81,473,000	258,577,128	177,104,128	31.5%	31,256,135	566.6%

The above liabilities are for Basic System Benefits and selected System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION V - GASB 25 AND 27 ACCOUNTING INFORMATION

H. Additional Information

The following information was used to determine the Annual Required Contribution for the fiscal year ending June 30, 2013. The ARC is for the Basic System Benefits and selected System Administered Benefits. See Section I for more information.

Valuation Date:	June 30, 2012
Actuarial Cost Method:	Projected unit credit cost method; with straight proration based on service to decrement
Amortization method:	30 years closed, level percent of payroll
Remaining Amortization Period:	14 years
Asset valuation method:	Market Value of Assets
Assumptions:	
Investment rate of return	6.1%
Projected Salary Increases	3.0%
Inflation	2.5%
Cost of Living Adjustments	3% triennial increases (statutory COLA rate) to service and disabled retirees

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

A. Benefit Obligations

1. Projected Benefits as of June 30, 2012 Payable to:		
Retirees	\$	3,594,677
Disabled Members		0
Beneficiaries		0
Vested Terminated Members		316,854
Active Members		<u>3,890,677</u>
Total	\$	7,802,208
2. Actuarial Accrued Liability for Active Members	\$	2,680,933
3. Actuarial Accrued Liability as of June 30, 2012	\$	6,592,464
4. Total Employer Normal Cost as of December 31, 2012	\$	158,568

The above liabilities are for the Medical Insurance Plan Contribution portion of the System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

B. Development of Unfunded Accrued Liability and Amortization Payment Payable as of December 31, 2012

1. Actuarial Accrued Liability as of June 30, 2012	\$	6,592,464
2. Actuarial Value of Assets as of June 30, 2012	\$	0
3. Unfunded Actuarial Accrued Liability as of June 30, 2012: (1) - (2)	\$	6,592,464
4. Amortization Period in years		14
5. Amortization Factor at beginning of year *		13.8250
6. Amortization Amount Payable as of December 31, 2012: [(3) / (5)] * (1.032 ^ 0.5)	\$	484,420

* Amortization calculated as a level percent of pay increasing 3.0% per year.

C. Development of Annual Required Contribution

1. Total Employer Normal Cost as of December 31, 2012	\$	158,568
2. Amortization Payment as of December 31, 2012	\$	484,420
3. Annual Required Contribution*: (1) + (2)	\$	642,988

* Assumes payments made throughout the year.

The above liabilities are for the Medical Insurance Plan Contribution portion of the System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

D. Development of Net OPEB Obligation as of June 30, 2012

1. Net OPEB Obligation as of June 30, 2011	\$	729,381
2. Annual OPEB Cost for Fiscal Year 2011 - 2012	\$	529,263
3. Fiscal Year 2011 - 2012 Employer Contribution	\$	312,000
4. Net OPEB Obligation as of June 30, 2012: (1) + (2) - (3)	\$	946,644

E. Development of Fiscal Year 2012 - 2013 Annual OPEB Cost

1. Annual Required Contribution	\$	642,988
2. Interest on Net OPEB Obligation as of June 30, 2012	\$	30,293
3. Adjustment to the Annual Required Contribution	\$	70,664
4. Fiscal Year 2012 - 2013 Annual OPEB Cost: (1) + (2) - (3)	\$	602,617

The above liabilities are for the Medical Insurance Plan Contribution portion of the System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

F. Schedule of Employer Contributions

<u>Year Ended June 30</u>	<u>Actual Employer Contribution</u>	<u>Annual Required Contribution</u>	<u>Percent Contributed</u>	<u>Annual OPEB Cost</u>	<u>Percent Contributed</u>
2013	\$323,000	\$642,988	50.23%*	\$602,617	53.60%*
2012	312,000	554,150	56.30	529,263	58.95
2011	310,000	528,615	58.64	512,918	60.44
2010	295,000	488,319	60.41	479,420	61.53
2009	261,000	425,362	61.36	421,245	61.96
2008	225,895	407,693	55.41	407,693	55.41

* Percentage contributed for the year ended June 30, 2013 assumes the actual employer contribution is the expected pay-as-you-go amounts for the Medical Insurance Plan Contribution.

The above liabilities are for the Medical Insurance Plan Contribution portion of the System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

G. Schedule of Funding Progress

	(a)	(b)	(c)=(b)-(a)	(d)=(a)/(b)	(e)	(f)=(c)/(e)
Actuarial Valuation <u>Date</u>	Actuarial Value of <u>Assets</u>	Accrued <u>Liability</u>	Unfunded <u>Liability</u>	Funded <u>Ratio</u>	Annual <u>Salary</u>	Unfunded Liability as a % of Annual <u>Salary</u>
06/30/2012	\$0	\$6,592,464	\$6,592,464	0.0%	\$33,065,960	19.9%
06/30/2011	0	5,810,170	5,810,170	0.0%	31,811,235	18.3%
06/30/2010	0	5,808,213	5,808,213	0.0%	32,060,841	18.1%
06/30/2009	0	5,643,300	5,643,300	0.0%	30,586,694	18.5%
06/30/2008	0	----not determined -----				
06/30/2007	0	4,676,848	4,676,848	0.0%	31,256,135	15.0%

The above liabilities are for the Medical Insurance Plan Contribution portion of the System Administered Benefits. See Section I for more information.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VI - GASB 45 ACCOUNTING INFORMATION

H. Additional Information

The following information was used to determine the Annual Required Contribution for the fiscal year ending June 30, 2013. The ARC is for the Medical Insurance Plan Contribution. See Section I for more information.

Valuation Date:	June 30, 2012
Actuarial Cost Method:	Projected unit credit cost method; with straight proration based on service to decrement
Amortization method:	30 years closed, level percent of payroll
Remaining Amortization Period:	14 years
Asset valuation method:	Market Value of Assets
Assumptions:	
Investment rate of return	3.2%
Projected Salary Increases	not applicable
Payroll growth	3.0%
Inflation	not applicable
Cost of Living Adjustments	not applicable

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

A. Reconciliation with Prior Valuation

	<u>Active</u>	Terminated <u>Vested</u>	Retirees, Disabled Members, and <u>Beneficiaries</u>	<u>Total</u>
Members as of June 30, 2011	362	48	391	801
Changes				
Terminated Vested	(2)	2	0	0
Retired & Disabled	(10)	(2)	12	0
Death	0	0	(5)	(5)
Disappeared	0	0	0	0
New or Rehired	24	(1)	6	29
Members as of June 30, 2012	374	47	404	825

As of June 30, 2012, terminated vested members include both (a) 25 members due a deferred annuity benefit and (b) 22 members who are due a refund of member and, if applicable, employer contributions. Former active members who are not vested in PRJRS but are covered by another Puerto Rico government system are assumed to be due both their member and employer contributions with interest.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

B. Summary of Active Members as of June 30, 2012

Number of Male Participants by Age and Service Groups

Age	Years of Credited Service										Total	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	-	2	1	-	-	-	-	-	-	-	-	3
35-39	1	5	3	-	-	-	-	-	-	-	-	9
40-44	1	4	8	11	9	-	-	-	-	-	-	33
45-49	-	4	8	4	4	7	4	-	-	-	-	31
50-54	1	1	7	3	5	9	4	2	-	-	-	32
55-59	-	2	2	1	4	6	6	2	6	-	-	29
60-64	-	-	6	-	7	2	-	3	-	-	-	18
65-69	-	1	2	1	2	1	-	1	-	-	-	8
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	19	37	20	31	25	14	8	6	-	-	163

Average Compensation of Male Participants by Age and Service Groups

Age	Years of Credited Service										Average	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	-	69,600	69,600	-	-	-	-	-	-	-	-	69,600
35-39	89,604	77,602	69,600	-	-	-	-	-	-	-	-	76,268
40-44	89,604	97,203	82,102	84,148	89,092	-	-	-	-	-	-	86,748
45-49	-	92,201	82,102	79,602	89,603	86,088	89,604	-	-	-	-	85,918
50-54	89,604	89,604	96,145	82,936	81,602	90,758	93,453	89,604	-	-	-	89,965
55-59	-	97,302	97,302	89,604	89,603	97,236	92,170	97,302	99,867	-	-	95,430
60-64	-	-	97,302	-	88,946	89,604	-	89,604	-	-	-	91,914
65-69	-	89,604	87,300	89,604	89,602	89,604	-	125,004	-	-	-	93,452
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Average	89,604	87,297	86,975	83,603	88,016	90,867	91,803	95,954	99,867	-	-	88,772

Average compensation values shown above are as of June 30, 2012. Compensation values shown elsewhere in this report are estimated for the 2012-2013 fiscal year reflecting mid-year increases.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

B. Summary of Active Members as of June 30, 2012

Number of Female Participants by Age and Service Groups

Age	Years of Credited Service										Total	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	2	5	-	-	-	-	-	-	-	-	-	7
35-39	-	7	6	8	1	-	-	-	-	-	-	22
40-44	-	8	15	5	9	4	1	-	-	-	-	42
45-49	-	5	6	7	8	11	4	1	1	-	-	43
50-54	-	1	6	2	7	8	9	4	-	-	-	37
55-59	-	3	3	2	5	7	8	5	2	1	-	36
60-64	-	-	6	2	2	2	4	3	-	1	-	20
65-69	-	-	-	-	1	2	1	-	-	-	-	4
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	29	42	26	33	34	27	13	3	2	-	211

Average Compensation of Female Participants by Age and Service Groups

Age	Years of Credited Service										Average	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	69,600	73,601	-	-	-	-	-	-	-	-	-	72,458
35-39	-	86,746	79,602	77,102	69,600	-	-	-	-	-	-	80,511
40-44	-	82,102	81,602	84,682	77,979	84,602	89,604	-	-	-	-	81,764
45-49	-	88,682	79,602	91,802	82,102	87,785	97,302	89,604	89,604	-	-	87,314
50-54	-	89,604	82,935	89,604	86,746	87,102	92,469	93,452	-	-	-	88,554
55-59	-	82,936	94,736	97,302	85,603	83,889	90,952	85,602	89,604	89,604	-	87,980
60-64	-	-	99,802	87,300	89,604	89,604	89,603	89,604	-	89,604	-	92,433
65-69	-	-	-	-	105,000	79,602	120,000	-	-	-	-	96,051
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Average	69,600	83,237	84,759	85,817	83,263	86,073	93,225	89,249	89,604	89,604	-	85,989

Average compensation values shown above are as of June 30, 2012. Compensation values shown elsewhere in this report are estimated for the 2012-2013 fiscal year reflecting mid-year increases.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

B. Summary of Active Members as of June 30, 2012

Number of All Active Participants by Age and Service Groups

Age	Years of Credited Service										Total	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	2	7	1	-	-	-	-	-	-	-	-	10
35-39	1	12	9	8	1	-	-	-	-	-	-	31
40-44	1	12	23	16	18	4	1	-	-	-	-	75
45-49	-	9	14	11	12	18	8	1	1	-	-	74
50-54	1	2	13	5	12	17	13	6	-	-	-	69
55-59	-	5	5	3	9	13	14	7	8	1	-	65
60-64	-	-	12	2	9	4	4	6	-	1	-	38
65-69	-	1	2	1	3	3	1	1	-	-	-	12
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Total	5	48	79	46	64	59	41	21	9	2	-	374

Average Compensation of All Active Participants by Age and Service Groups

Age	Years of Credited Service										Average	
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40&Up		
0-24	-	-	-	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-	-	-	-
30-34	69,600	72,458	69,600	-	-	-	-	-	-	-	-	71,601
35-39	89,604	82,936	76,268	77,102	69,600	-	-	-	-	-	-	79,279
40-44	89,604	87,136	81,776	84,315	83,535	84,602	89,604	-	-	-	-	83,957
45-49	-	90,246	81,031	87,366	84,602	87,125	93,453	89,604	89,604	-	-	86,729
50-54	89,604	89,604	90,048	85,603	84,603	89,038	92,772	92,169	-	-	-	89,208
55-59	-	88,682	95,762	94,736	87,381	90,049	91,474	88,945	97,302	89,604	-	91,304
60-64	-	-	98,552	87,300	89,092	89,604	89,603	89,604	-	89,604	-	92,187
65-69	-	89,604	87,300	89,604	94,735	82,936	120,000	125,004	-	-	-	94,319
70&Up	-	-	-	-	-	-	-	-	-	-	-	-
Average	81,602	84,844	85,797	84,854	85,565	88,104	92,739	91,803	96,446	89,604	-	87,202

Average compensation values shown above are as of June 30, 2012. Compensation values shown elsewhere in this report are estimated for the 2012-2013 fiscal year reflecting mid-year increases.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

C. Summary of Terminated Vested Members as of June 30, 2012

<u>Age</u>	<u>Male</u>		<u>Female</u>		<u>Total</u>	
	<u>Count</u>	<u>Average Annual Pension Basic System Benefit</u>	<u>Count</u>	<u>Average Annual Pension Basic System Benefit</u>	<u>Count</u>	<u>Average Annual Pension Basic System Benefit</u>
Under 35	0	0	0	0	0	0
35-39	0	0	0	0	0	0
40-44	0	0	1	52,200	1	52,200
45-49	0	0	3	16,200	3	16,200
50-54	8	52,650	2	41,100	10	50,340
55-59	3	54,650	4	62,738	7	59,271
60-64	2	18,000	2	24,300	4	21,150
65 & Over	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
All Ages	13	47,781	12	40,213	25	44,148

The Average Annual Pension Basic System Benefit amounts above are as of June 30, 2012 for terminated vested participants who are due a deferred annuity. In addition, there are 22 former participants who are due accumulated member and, if applicable, employer contributions totaling \$486,428 as of June 30, 2012.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

D. Summary of Retirees as of June 30, 2012

<u>Age</u>	<u>Males</u> <u>Average Annual Pension</u>			<u>Females</u> <u>Average Annual Pension</u>			<u>Total</u> <u>Average Annual Pension</u>		
	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>
Under 45	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0
50-54	0	0	0	2	26,936	27,447	2	26,936	27,447
55-59	17	67,301	67,301	5	58,560	58,712	22	65,315	65,349
60-64	43	63,026	64,333	22	64,580	66,017	65	63,552	64,903
65-69	48	59,357	61,867	22	58,995	61,115	70	59,243	61,630
70-74	47	53,235	57,135	16	54,987	58,667	63	53,680	57,524
75-79	59	44,511	48,740	6	55,045	59,468	65	45,484	49,731
80-84	33	30,680	34,505	3	44,754	48,605	36	31,853	35,680
85-89	10	22,988	25,873	1	16,432	18,495	11	22,392	25,203
90-94	10	46,150	52,073	0	0	0	10	46,150	52,073
95-99	1	4,846	5,454	0	0	0	1	4,846	5,454
100 & Over	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
All Ages	268	50,523	53,600	77	57,481	59,807	345	52,076	54,985

The Average Annual Pension amounts above are as of June 30, 2012.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VII – CENSUS DATA

E. Summary of Beneficiaries as of June 30, 2012

<u>Age</u>	<u>Males</u> <u>Average Annual Pension</u>			<u>Females</u> <u>Average Annual Pension</u>			<u>Total</u> <u>Average Annual Pension</u>		
	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>	<u>Count</u>	<u>Basic System Benefit</u>	<u>Total Benefit</u>
Under 40	1	20,160	20,160	1	20,160	20,160	2	20,160	20,160
40-44	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0
50-54	0	0	0	1	33,808	36,000	1	33,808	36,000
55-59	0	0	0	2	13,744	17,326	2	13,744	17,326
60-64	0	0	0	3	42,046	42,767	3	42,046	42,767
65-69	0	0	0	4	29,910	30,820	4	29,910	30,820
70-74	1	14,759	16,227	4	27,274	29,975	5	24,771	27,226
75-79	1	16,779	18,148	12	23,071	23,790	13	22,587	23,356
80-84	2	7,991	8,782	6	19,028	20,164	8	16,269	17,318
85-89	3	12,095	13,292	6	15,926	17,208	9	14,649	15,902
90-94	1	7,985	8,783	4	12,844	13,757	5	11,873	12,762
95-99	0	0	0	0	0	0	0	0	0
100 & Over	<u>5</u>	<u>8,703</u>	<u>9,467</u>	<u>2</u>	<u>33,407</u>	<u>36,712</u>	<u>7</u>	<u>15,761</u>	<u>17,251</u>
All Ages	14	11,105	12,007	45	23,135	24,445	59	20,281	21,501

The Average Annual Pension amounts above are as of June 30, 2012.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS **AS OF JUNE 30, 2012**

This summary of plan provisions is intended only to describe the essential features of the plan for valuation purposes. All eligibility requirements and benefit amounts shall be determined in strict accordance with the plan document itself.

1. Type of Plan

The System is a contributory, defined benefit plan.

2. Effective Date

The Plan was established in 1954 by Act 12. The plan was last amended under Act 54, approved June 28, 2007.

3. Eligibility for Membership

Members of the Judiciary Retirement System of Puerto Rico include all persons holding a position as Judge of the Supreme Court, Judge of the Court of Appeals, Superior Judges of the Court of First Instance, and Municipal Judges of the Court of First Instance in the Commonwealth of Puerto Rico (Section 235 and Act 201 of 2003).

4. Definitions

- a. Fiscal Year: A Fiscal Year is a 12-month period beginning on July 1 and ending on June 30 (Section 234).
- b. General Fund: The General Expenses Budget of the Government of the Commonwealth of Puerto Rico.
- c. Creditable Service: The years and months (where fractional months are counted as full months of service) of System participation, beginning on the Date Credit Begins and ending on the date of separation of service. All intervening periods following a resignation, separation or expiration of any term by election or appointment during which a participant was not in government service are excluded. Periods for which no contributions have been made or for which contributions were refunded are also excluded. However, credit will be granted

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS **AS OF JUNE 30, 2012**

for refund periods if the participant returns any refunded Accumulated Contributions with interest to the System. (Section 234)

- d. Date Credit Begins: For participants with less than eight years of Credited Service as a judge, Creditable Service begins on the day of appointment as a judge. For participants with at least eight years of Creditable Service as a judge, Credited Service begins on the earlier of (1) the day of appointment as a judge or (2) the day first employed by the Government of Puerto Rico, provided that Accumulated Contributions for prior government service are transferred to the System. (Section 234)
- e. Salary: The annual compensation received by a judge for his services in that capacity (Section 234).
- f. Highest Salary: The highest salary received as a judge (Section 236).
- g. Average Compensation: The average of the 36 highest months of salary that the participant has received for Creditable Service (System Disability Regulation).
- h. Contributions: The amount deducted from the compensation of a Member (Sections 242 and 244).
- i. Interest: 2.5% compounded annually, or any other rate as may subsequently be prescribed by the Board of Trustees based on the System's experience (Section 234). The rate of 2.5% has always been in effect.
- j. Accumulated Contributions: The sum of all amounts deducted from the compensation of a Member with interest (Section 239).
- k. Actuarial Equivalent: Equality in value such that the present value of the amount under any form of payment is essentially the same as the present value of the amount under the normal form of annuity payment for single participants. Actuarially Equivalent factors are determined based on annuity and mortality tables adopted by the Board of Trustees based on the system's experience and in accordance with the recommendations of the actuary. (Section 234)

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS AS OF JUNE 30, 2012

5. Retirement Benefits

a. Normal Retirement

Basic Eligibility: Age 60 with 10 years of Creditable Service (Section 236).

Basic Benefit: 25% of Highest Salary, plus 5% of Highest Salary for each year of Creditable Service in excess of 10 years, subject to a maximum of 75% of Highest Salary (Section 236).

Eligibility for judges who serve without a fixed tenure: 10 years of Creditable Service (Section 236, as interpreted by the System). This enhanced eligibility is not available to judges who are appointed after June 28, 2007 to an unlimited term (Act 54, Section 2).

Benefit for judges who serve without a fixed tenure: 25% of the Salary corresponding to the office during the retirement period, plus 5% of such Salary for each year of Creditable Service in excess of 10 years, subject to a maximum of 100% of such Salary. If the judge has served in a position without a fixed tenure for a total of at least 8 years, the 25% increases to 50% in the preceding formula. (Section 236). This enhanced benefit is not available to judges who are appointed after June 28, 2007 to an unlimited term (Act 54, Section 2).

Optional Eligibility: Age and Creditable Service as shown in the table below, provided at least 8 years of Creditable Service were earned in office as a judge (Section 236a).

Age	Years of Creditable Service
Less than 60	30
62	20
61	21
60	22
59	23
58	24
57	25
56	26
55	27

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS AS OF JUNE 30, 2012

Optional Benefit: 75% of Highest Salary (Section 236a).

Enhanced Eligibility: Any judge who has served without a fixed tenure for at least 3 years and has at least 25 years of Creditable Service (Section 236). This enhanced benefit is not available to judges who are appointed after June 28, 2007 to an unlimited term (Act 54, Section 2).

Enhanced Benefit: 75% of the Salary earned at the time of retirement (Section 236).

Compulsory Retirement: All judges must retire by age 70. If the judge has less than 10 years of creditable service, the judge can elect a refund of Accumulated Contributions or a proportional part of the Basic Benefit based on completed years and months of creditable service. (Section 236)

b. Early Retirement

Basic Eligibility: 20 years of Creditable Service before age 60 (Section 236).

Basic Benefit: The Basic Benefit payable under Normal Retirement, reduced on an actuarial equivalent basis for each month that Early Retirement Date precedes age 60. However, no actuarial reduction is applied for judges who serve without a fixed tenure. (Section 236).

Optional Eligibility: 20 years of Creditable Service, provided at least 8 years of Creditable Service were earned in office as a judge (Section 236a).

Optional Benefit: 75% of Highest Salary, reduced on an actuarial equivalent basis for each month that Early Retirement Date precedes the age specified in the table under Optional Eligibility under Normal Retirement for the applicable years of Creditable Service (Section 236a).

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS AS OF JUNE 30, 2012

6. Termination Benefits

a. Lump Sum Withdrawal

Eligibility: A Member is eligible upon termination of service.

Benefit: The benefit equals a refund of Accumulated Contributions (Section 239).

b. Deferred Retirement

Eligibility: A Member is eligible upon termination of service prior to age 60 and after 10 years of Creditable Service, provided the member has not taken a lump sum withdrawal.

Benefit: The benefit, commencing at age 60, is equal to the benefit payable upon Normal Retirement (Section 236).

7. Death Benefits

a. Occupational Death Benefit

Eligibility: The beneficiaries of any active participant who dies from an employment-related cause under the Workmen's Accident Compensation Act (Section 240).

Spouse's Benefit: 50% of the participant's Salary at date of death, payable as an annuity until death or remarriage (Section 240)

Children's Benefit: \$10 (\$20 if full orphan) for each child payable monthly until child's age 18 or completion of studies, if later. The maximum family benefit is 75% of the participant's Salary at date of death. (Section 240)

Benefit if no spouse or children: Refund of Accumulated Contributions, plus an amount equal to one year of Compensation in effect at the time of death (Section 240).

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS AS OF JUNE 30, 2012

b. Pre-retirement Death Benefit

Eligibility: Any current non-retired member is eligible, provided not eligible for the Occupational Death Benefit (Section 240).

Benefit: The benefit is as follows:

- (i) While in active service, the benefit equals a refund of Accumulated Contributions; plus an amount equal to one year of Compensation in effect at the time of death (Section 240).
- (ii) While not in active service, the benefit equals a refund of Accumulated Contributions.

c. Special Pre-retirement Death Benefit

Eligibility: An active participant who was eligible to retire at the date of death with a surviving spouse or dependent children (Section 240a).

Benefit: The post-retirement death benefits described below assuming the active participant retired the day before the date of death (Section 240a).

d. Post-retirement Death Benefit

Eligibility: Any retiree or disabled member receiving a monthly benefit.

Benefit: The benefit is as follows:

- (i) For those married or with dependent children at the time of death, an annual income equal to 60% of the Retirement Benefit at time of death, payable for life for a surviving spouse and/or disabled children and payable until age 18 or completion of studies, if later, for non-disabled children (Section 240a).
- (ii) The benefit, when there is no relation as stated above, is equal to the remaining balance of Accumulated Contributions at the time of retirement after the deduction of lifetime annual income paid and is payable to a beneficiary or to the Member's estate. In no case shall the benefit be less

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS **AS OF JUNE 30, 2012**

than \$1,000. The General Fund pays the difference, up to \$500, between (1) the Accumulated Fees with interest less the lifetime annual income paid and (2) \$1,000. The System pays for the rest. (Section 240 and Act 548)

8. Disability Benefits

a. Non-occupational Disability

Eligibility: All members are eligible for Non-occupational Disability upon 10 years of Creditable Service and the occurrence of disability (Section 238).

Benefit: 30% of Average Compensation, plus 1% of Average Compensation for each year of creditable service in excess of 10 years, payable as an annuity; subject to a maximum of 50% of Average Compensation (Section 238).

b. Occupational Disability

Eligibility: All members disabled while in the course and as a consequence of their work, as certified by two physicians appointed by the Plan Administrator, and provided the member is receiving compensation from the Workmen's Accident Compensation Act (Section 238).

Benefit: 50% of Salary at date of disability, payable as an annuity, reduced by any payments received from the State Insurance Fund under the Workmen's Accident Compensation Act (Section 238).

9. Cost-of-Living Adjustments (COLA) to Pension Benefits: Effective January 1, 2001, commencing January 1, 2002 and subsequently every three years thereafter, the annual benefit is increased by 3% for retirees and disabled members provided that the member had been receiving payments for at least three years (Section 236c). These COLAs are paid by the General Fund. In addition, an ad-hoc 3% COLA was granted effective January 1, 1999 and is paid by the System (Section 236b).

10. Medical Insurance Plan Contribution: A payment of up to \$100 per month to the eligible medical insurance plan selected by the retiree or disabled member. This benefit is paid by the General Fund (Act 483).

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION VIII – SUMMARY OF PRINCIPAL PLAN PROVISIONS AS OF JUNE 30, 2012

11. Special “Bonus” Benefits:

- a. Christmas Bonus: An annual bonus of \$600 for each retiree, beneficiary, and disabled member paid in December. The System pays \$150 per retiree, beneficiary, and disabled member and the balance is paid by the General Fund (Act 144).
- b. Summer Bonus: An annual bonus of \$100 for each retiree, beneficiary, and disabled member paid in July. The amount is prorated if there are multiple beneficiaries. This benefit is paid by the General Fund (Act 37).
- c. Medication Bonus: An annual bonus of \$100 for each retiree, beneficiary, and disabled member to cover health costs paid in July. Evidence of coverage is not required. The amount is prorated if there are multiple beneficiaries. This benefit is paid by the General Fund (Act 155).

12. Forms of Payment

The basic pension benefits described in the above sections are payable in the form of a cash refund annuity. Optional benefits are provided upon a member’s death to the surviving beneficiaries as described in 7.d.

13. Contributions

Member Contributions: Contributions by Members are 8.0% of Compensation (Sections 234, 240a and 242).

Employer Contributions: Contributions by the Commonwealth of Puerto Rico are currently 20.0% of Compensation (Section 242). Effective July 1, 2008, the employer contribution rate increased to 30.34% of Compensation.

14. Changes in Plan Provisions since Prior Valuation

None.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IX – SUMMARY OF ACTUARIAL ASSUMPTIONS AS OF JUNE 30, 2012

Interest: 6.10% per annum, net of investment expenses, for GASB 25 and 27. (7.50% prior to June 30, 2011 and 6.60% as of June 30, 2011)
3.20% per annum for GASB 45 (4.00% prior to June 30, 2012)

Compensation Increases: 3.0% per year.

Termination – Judges who serve with a fixed tenure: Withdrawal rates vary by age and years of Creditable Service as a judge (not including any prior governmental service).

Years of Creditable Service	Less than Age 45	Age 45 and older
0 - 6	3.5%	0.0%
7	0.0	0.0
8	30.0	15.0
9 - 11	3.0	3.0
12+	0.0	0.0

Retirement – Judges who serve with a fixed tenure: Rates of retirement vary by age and years of Creditable Service (including any prior governmental service). Retirement rates are not applied prior to completion of 8 years of Creditable Service as a judge.

If Eligible for the 75% of Highest Salary Maximum Benefit:

A retirement rate of 45% per year is assumed for active members who are eligible for retirement with the maximum benefit (e.g. age 60 with 20 years of Creditable Service, 30 years of Creditable Service, or Optional Eligibility).

If Not Yet Eligible for the 75% of Highest Salary Maximum Benefit:

The rates shown below apply when an active member is eligible for retirement with less than the maximum benefit (e.g. age 60 with 10 years of Creditable Service, or 20 years of Creditable Service before age 60).

Age	Less than 20 years of Creditable Service	20 or more years of Creditable Service
Less than 60	N/A	1.5%
60 and older	8.0%	N/A

At age 70, a retirement rate of 100% is applied.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IX – SUMMARY OF ACTUARIAL ASSUMPTIONS AS OF JUNE 30, 2012

Termination – Judges who serve without a fixed tenure: No termination is assumed prior to retirement eligibility.

Retirement – Judges who serve without a fixed tenure: Rates of retirement vary by age. The rates do not apply until the completion of 10 years of Creditable Service with 8 years earned as judge.

Age	Rate of Retirement
Under 65	0%
65 to 69	20
70 & Over	100

For benefit purposes, all Judges who serve without a fixed tenure are assumed to retire with at least 8 years of Creditable Service earned as a judge without a fixed tenure.

Commencement of benefits for terminated vested members: Current terminated members with a vested benefit are assumed to retire at age 60 or at the attained age on the valuation date if later.

Disability: 50% of the six month elimination period rates in the 1987 Commissioners Group Disability Table. 100% of disabilities are assumed to be occupational. Rates of disability cease to apply once a member is eligible for the 75% of Highest Salary maximum benefit.

Pre-retirement Mortality: RP-2000 Employee Mortality Rates with white collar adjustments for males and females, projected on a generational basis using Scale AA. As a generational table, it reflects mortality improvements both before and after the measurement date.

Among deaths while in active service, 50% are assumed to be occupational, 50% are assumed to be non-occupational.

Post-retirement Healthy Mortality: RP-2000 Healthy Annuitant Mortality Rates with white collar adjustments for males and females, projected on a generational basis using Scale AA. As a generational table, it reflects mortality improvements both before and after the measurement date.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IX – SUMMARY OF ACTUARIAL ASSUMPTIONS AS OF JUNE 30, 2012

Post-retirement Disabled Mortality: RP-2000 Disabled Annuitant Mortality Rates, without projection. No provision was made for future mortality improvement for disabled retirees.

Marriage: 75% of current active and terminated members are assumed to be married at retirement with males 3 years older than females.

Form of Payment: Future retired members are assumed to receive a joint and 60% survivor annuity if married and a modified cash refund (approximated by a single life annuity with 2 years certain) if not married.

Spousal information was not provided for current retired and disabled members. If the retiree or disabled member was indicated as married, that member was assumed to receive a joint and 60% survivor annuity. The spouse's date of birth was imputed based on an assumed age difference of 3 years with males older than females. If the retiree or disabled member was indicated as not married, that member was assumed to receive a modified cash refund (approximate by a single life annuity with 2 years certain).

No future dependent children were assumed to become beneficiaries.

Members who terminate employment with at least 10 years of Creditable Service are assumed to elect to receive a deferred pension benefit in lieu of a refund of contributions.

Medical Insurance Plan Contribution: 75% of future and current service and disability retirees are assumed to receive a monthly medical insurance continuation benefit of \$100 per month.

Administrative Expenses: Average of past two year's expense, rounded up to the nearest \$5,000, is added to the normal cost. For the 2012-2013 plan year, this amount is \$635,000.

Tenure as Judge: Supreme Court judges appointed before June 29, 2007 are assumed to serve with unlimited terms. All other judges are assumed to have a fixed tenure.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION IX – SUMMARY OF ACTUARIAL ASSUMPTIONS AS OF JUNE 30, 2012

Special Data Adjustments: The following adjustments were made to the census data received from the System.

Benefits for some of the current terminated vested members were estimated based on the provided years of creditable service and the last monthly salary.

Refer to the Form of Payment assumption above for a description of form of payment and spousal data imputation for current retired and disabled members.

Accumulated member contributions for active members with other government service include the contributions accumulated during the other government service.

Benefits for current beneficiaries who are under age 22 as of the valuation date were assumed to cease at age 22. Benefits for current beneficiaries who are age 22 or older as of the valuation data were assumed to be payable for life. In addition, the current level of benefit was assumed to remain constant.

Benefits not valued: The minimum post-retirement death benefit of \$1,000 for retirees without surviving beneficiaries is not explicitly valued. The additional liability associated with this benefit is expected to be de minimus.

Changes in actuarial assumptions since the prior valuation: The interest rate assumption for GASB 25 & 27 accounting purposes was decreased from 6.6% to 6.1%. The interest rate assumption for GASB 45 accounting purposes was decreased from 4.0% to 3.2%.

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PUERTO RICO JUDICIARY RETIREMENT SYSTEM

SECTION X – SUMMARY OF ACTUARIAL METHODS AS OF JUNE 30, 2011

The ultimate cost of a pension plan is the excess of actual benefits and administrative expenses paid over actual net investment return on plan assets during the plan's existence until the last payment has been made to the last participant. The plan's "actuarial cost method" determines the expected incidence of actuarial costs by allocating portions of the ultimate cost to each plan year. The cost method is thus a budgeting tool to help to ensure that the plan will be adequately and systematically funded and accounted for. There are several commonly-used cost methods which differ in how much of the ultimate cost is assigned to each prior and future year. Therefore, the pattern of annual contributions and accounting expense varies with the choice of cost method. Annual contributions and accounting expense are also affected by the "asset valuation method" (as well as the plan provisions, actuarial assumptions, and actual plan demographic and investment experience each year).

Actuarial Cost Method

The plan's actuarial cost method is the projected unit credit method. Under this method, a projected benefit is determined at each active participant's assumed retirement age assuming future compensation increases. The projected benefit is attributed to each year of service using straight proration based on projected service to each assumed retirement age. The plan's normal cost is the sum of the present value of the portion of each active participant's projected benefit attributable to the current year of service. The plan's accrued liability is the sum of (a) the present value of the portion of each active participant's projected benefit attributable to all prior years of service plus (b) the present value of each inactive participant's future benefits.

Asset Valuation Method

The Actuarial Value of Assets is equal to the Market Value of Assets.

Changes in actuarial methods since the prior valuation

None.

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