

# REPUBLIC OF IRELAND

Rating Analysis - 8/3/14

\*EJR Sen Rating(Curr/Prj) BB/ N/A

\*EJR CP Rating: A3

EJR's 3 yr. Default Probability: 3.0%

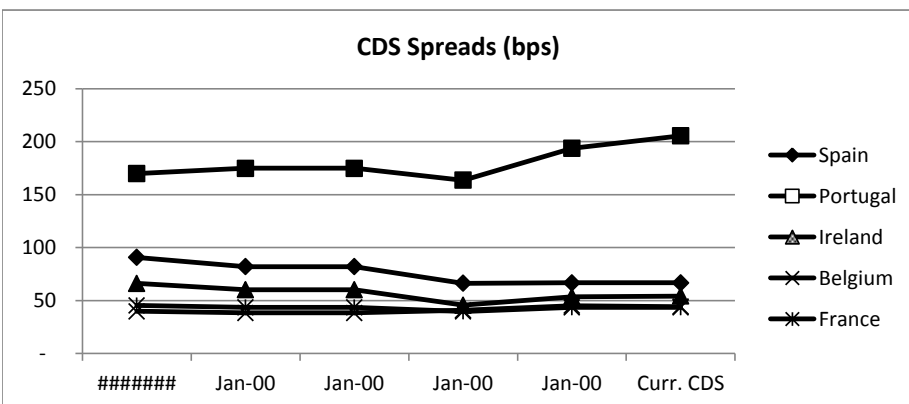
Still weak - while the capital markets have voted Ireland the most improved, from a credit analysis perspective, the country remains hobbled. Over the past five years, debt has risen at an average annual rate of 23% as a result of the massive injections needed for its two major banks. Meanwhile, its GDP rose merely 2.6%. As a result, the country's debt to GDP shot up from 49% to 119%. While recent federal government shortfall has improved pre-interest expense, including interest, the debt to GDP continues to rise. On the federal government side, the operating shortfall improved from EUR41B in 2010 to EUR4.3B in 2014, but including interest expense, the deficit was EUR11.7B last year. Because of the tepid growth in the economy, Debt/GDP continues to rise.

Our view is that Ireland remains stricken by the massive debt taken on to bail out its banks and appears to be prospering because of the massive actions of the ECB. If Portugal runs into difficulty relating to the rescue of BES, Ireland might see a rise in its funding costs and further pressure on its finances. (Watch for an ECB program for debt relief as rates rise.) We are affirming our rating although other raters are likely to take positive actions.

| CREDIT POSITION             | Annual Ratios |       | Annual Ratios (source for past results: IMF) |       |       |       |
|-----------------------------|---------------|-------|--|-------|-------|-------|
|                             | 2011          | 2012  | 2013   | P2014 | P2015 | P2016 |
| Debt/ GDP (%)               | 88.7          | 103.2 | 118.7  | 127.7 | 135.6 | 142.5 |
| Govt. Sur/Def to GDP (%)    | -13.1         | -8.2  | -7.2   | -10.2 | -9.3  | -8.7  |
| Adjusted Debt/GDP (%)       | 88.7          | 83.5  | 98.8   | 106.3 | 114.5 | 121.9 |
| Interest Expense/ Taxes (%) | 13.8          | 15.0  | 17.9   | 17.1  | 17.9  | 18.5  |
| GDP Growth (%)              | 4.6           | 1.1   | -1.2   | 2.3   | 2.3   | 2.5   |
| Foreign Reserves/Debt (%)   | 0.3           | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   |
| Implied Sen. Rating         | BB-           | BB-   | B+   | B+    | B+    | B-    |

| INDICATIVE CREDIT RATIOS    | AA   | A    | BBB  | BB   | B     | CCC   |
|-----------------------------|------|------|------|------|-------|-------|
| Debt/ GDP (%)               | 45.0 | 55.0 | 75.0 | 85.0 | 95.0  | 145.0 |
| Govt. Sur/Def to GDP (%)    | 4.0  | 1.0  | -2.0 | -5.0 | -8.0  | -10.0 |
| Adjusted Debt/GDP (%)       | 40.0 | 50.0 | 60.0 | 80.0 | 120.0 | 150.0 |
| Interest Expense/ Taxes (%) | 7.0  | 9.0  | 12.0 | 15.0 | 22.0  | 26.0  |
| GDP Growth (%)              | 4.0  | 3.0  | 2.0  | 1.0  | -1.0  | -5.0  |
| Foreign Reserves/Debt (%)   | 25.0 | 20.0 | 15.0 | 12.0 | 9.0   | 7.0   |

| PEER RATIOS                 | S&P Sen. | Debt   | Govt. Surp. | Adjusted | Interest | GDP    | Ratio-  |
|-----------------------------|----------|--------|-------------|----------|----------|--------|---------|
|                             |          | as a % | Def to      | Debt/    | Expense/ | Growth | Implied |
|                             |          | GDP    | GDP (%)     | GDP      | Taxes %  | (%)    | Rating* |
| Federal Republic Of Germany | AAA      | 82.9   | 0.1         | 90.3     | 11.1     | 1.4    | BB+     |
| French Republic             | AA       | 96.5   | -4.3        | 116.6    | 9.7      | 0.7    | B+      |
| Kingdom Of Belgium          | AA       | 104.7  | -2.6        | 104.7    | 11.8     | 2.5    | BB-     |
| Kingdom Of Spain            | BBB      | 89.5   | -7.1        | 95.6     | 12.3     | -0.2   | B+      |
| Portugal Republic           | BB       | 123.8  | -4.9        | 130.9    | 13.0     | 1.5    | B+      |



| Country (EJR Rtg*) | Current CDS |
|--------------------|-------------|
| Spain (C)          | 67          |
| Portugal (CCC+)    | 206         |
| Ireland (BB)       | 54          |
| Belgium (BBB-)     | 44          |
| France (BBB)       | 44          |

\* Projected Rating

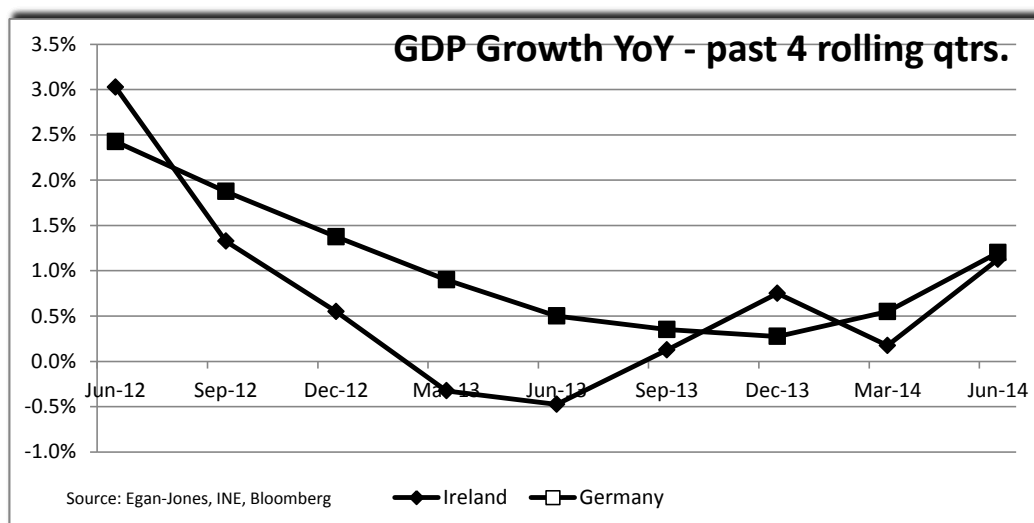
\* EJR's targeted CDS based on rating

\* Note, non-NRSRO rating. Copyright Egan-Jones Ratings Co.; no secondary distribution.

**Economic Growth**

A major driver for sovereign credit quality is the overall growth of the economy, particularly relative to growth in government expenditures. In the case of Ireland, the country has suffered from declines in GDP growth in late 2012, but has shown moderate improvement over the past couple of quarters. As the EU recovers, Ireland's growth should recover although the weakness of the banking sector remains a drag on the economy.

Another factor to consider which might drive growth is the relatively low tax rate of the country, which should benefit from the re-domiciling and tax reversions. The recent slight rise in GDP is encouraging particularly in the face of weak conditions for most other EU countries.



**Fiscal Policy**

Despite, the recent improvement in GDP, Ireland remains pressed. The deficit is a concern in light of the country's debt to GDP in excess of 118%, placing it near Portugal's 123.8%. Pre-banking crisis, Debt to GDP was merely 49%. The variable which has changed in sovereign markets has been the intervention of central banks. The ECB and other quasi-govt units are assumed to provide support. Austerity measures and bank relief have restricted growth. Hopefully there will be gradual improvement over the next couple of years.

|          | Deficit-to-GDP (%) | Debt-to-GDP (%) | 5 Yr. CDS Spreads |
|----------|--------------------|-----------------|-------------------|
| Ireland  | 7.2                | 118.7           | 142               |
| Germany  | -                  | 82.9            | 24                |
| France   | 4.3                | 96.5            | 68                |
| Belgium  | 2.6                | 104.7           | 61                |
| Spain    | 7.1                | 89.5            | 228               |
| Portugal | 4.9                | 123.8           | 495               |

Sources: Bloomberg and IFS

**Unemployment**

Ireland's 2013 unemployment rate of 12.1% is higher than France's but lower than Spain and Portugal as indicated in the chart at right. Unemployment for the most recent quarter is 11.5%, which is not particularly comforting. The malaise of the EU weighs on credit quality of Ireland; as the southern EU countries slide, Ireland will be pressured from a shift in workers and a relocation of production.

|          | Unemployment (%) |      |
|----------|------------------|------|
|          | 2012             | 2013 |
| Ireland  | 14.0             | 12.1 |
| Germany  | 6.9              | 6.8  |
| France   | 10.1             | 10.1 |
| Belgium  | 8.1              | 8.5  |
| Spain    | 25.8             | 25.7 |
| Portugal | 16.8             | 15.3 |

Source: Intl. Finance Statistics

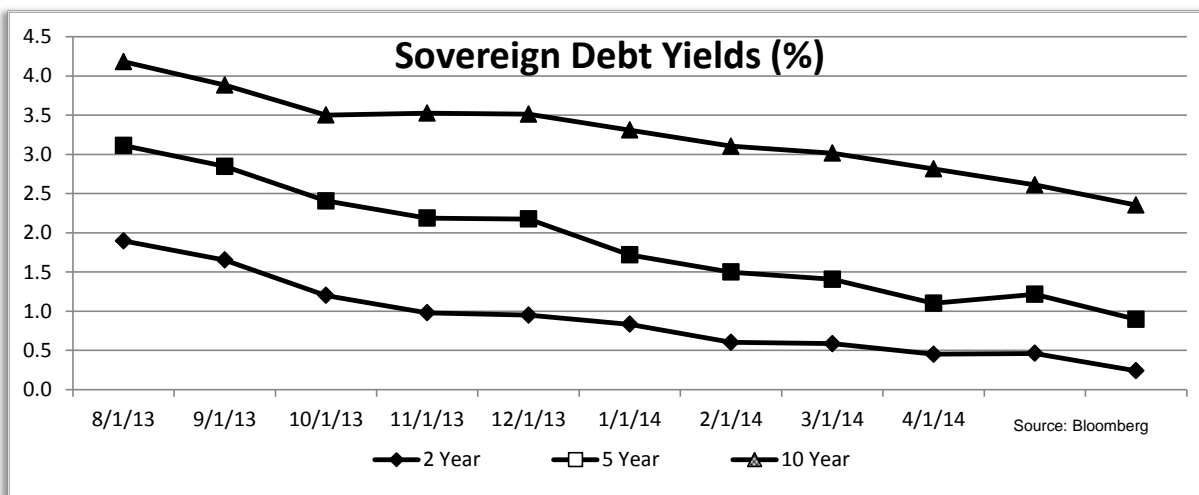
**Banking Sector**

Ireland has significantly exposure to its banking because the banks' large aggregate size measured in assets. The top two banks have assets equal to 154% of GDP vs 125% for Germany and 130% for Italy. Ireland has provided financial support to its banks to ameliorate asset quality problems; banks appear to be undercapitalized and equity is diluted by reserve shortfalls. Ireland growth is restricted because of government control of its banks.

| <b>Bank Assets (billions of local currency)</b>                 |        |                  |
|---|--------|------------------|
|   | Assets | Cap/<br>Assets % |
| ALLIED IRISH BK   | 118    | 8.9              |
| BANK IRELAND  | 132    | 6.0              |
|   | -      |                  |
|   | -      |                  |
|   | -      |                  |
| Total   | 250    |                  |
| EJR's est. of cap shortfall at<br>10% of assets less market cap |        | (32)             |
| Ireland's GDP   |        | 162              |

**Funding Costs**

As a result for the reduced overall funding costs, perhaps resulting from a dearth of growth along with the massive efforts of central banks, Ireland's funding costs have declined over the past year. As can be seen in the below graph, the bond yields have declined since Aug. 2013. Other EU governments have requested that the ECB, EFSF, and IMF purchase the government's debt. Watch ECB actions to suppress EU funding costs.



**Ease of Doing Business**

Major factors for growing the economy are the ease of doing business and the economic freedom; although not the sole factor for determining economic growth, a country which makes it easy for businesses to operate and provides a reasonably free environment to conduct business has a good chance for growth. The chart on the right indicates that with an overall rank of 33 (1 is best, 183 worst) is strong.

| <b>The World Bank's Doing Business Survey*</b> |           |           |           |
|--|-----------|-----------|-----------|
|  | 2012      | 2011      | Change in |
|  | Rank      | Rank      | Rank      |
| <b>Overall Country Rank:</b>                   | <b>33</b> | <b>31</b> | <b>-2</b> |
| <b>Scores:</b>                                 |           |           |           |
| Starting a Business                            | 44        | 36        | -8        |
| Construction Permits                           | 57        | 55        | -2        |
| Getting Electricity                            | 82        | 84        | 2         |
| Registering Property                           | 176       | 176       | 0         |
| Getting Credit                                 | 70        | 67        | -3        |
| Protecting Investors                           | 19        | 17        | -2        |
| Paying Taxes                                   | 75        | 72        | -3        |
| Trading Across Borders                         | 29        | 30        | 1         |
| Enforcing Contracts                            | 18        | 19        | 1         |
| Resolving Insolvency                           | 7         | 8         | 1         |

\* Based on a scale of 1 to 183 with 1 being the highest ranking.

**Economic Freedom**

As can be seen below, is above average in its overall rank of for Economic Freedom with 100 being best.

| <b>World Rank 0*</b>           |               |                  |                       |                   |
|--------------------------------|---------------|------------------|-----------------------|-------------------|
|                                | <b>Rank**</b> | <b>2011 Rank</b> | <b>Change in Rank</b> | <b>World Avg.</b> |
| <b>Business Freedom</b>        | <b>0.0</b>    | 0.0              | 0.0                   | 64.3              |
| <b>Trade Freedom</b>           | <b>0.0</b>    | 0.0              | 0.0                   | 74.8              |
| <b>Fiscal Freedom</b>          | <b>0.0</b>    | 0.0              | 0.0                   | 76.3              |
| <b>Government Spending</b>     | <b>0.0</b>    | 0.0              | 0.0                   | 63.9              |
| <b>Monetary Freedom</b>        | <b>0.0</b>    | 0.0              | 0.0                   | 73.4              |
| <b>Investment Freedom</b>      | <b>0.0</b>    | 0.0              | 0.0                   | 50.2              |
| <b>Financial Freedom</b>       | <b>0.0</b>    | 0.0              | 0.0                   | 48.5              |
| <b>Property Rights</b>         | <b>0.0</b>    | 0.0              | 0.0                   | 43.5              |
| <b>Freedom from Corruption</b> | <b>0.0</b>    | 0.0              | 0.0                   | 40.5              |
| <b>Labor Freedom</b>           | <b>0.0</b>    | 0.0              | 0.0                   | 61.5              |

\*Based on a scale of 1-100 with 100 being the highest ranking.

\*\*The ten economic freedoms are based on a scale of 0 (least free) to 100 (most free).

Source: The Heritage Foundation & Wall Street Journal

**Assumptions for Projections**

| Income Statement                                 | Peer   | Issuer  | Base Case    |              |
|--|--------|---------|--------------|--------------|
|  | Median | Average | Yr 1&2       | Yr 3,4,5     |
| Taxes Growth%                                    | 4.9    | 4.9     | <b>4.9</b>   | <b>4.9</b>   |
| Social Contributions Growth %                    | 3.7    | 5.9     | <b>6.0</b>   | <b>6.0</b>   |
| Grant Revenue Growth %                           | 0.0    | NMF     |              |              |
| Other Revenue Growth %                           | 9.9    | NMF     |              |              |
| Other Operating Income Growth%                   | 0.0    | 0.0     |              |              |
| Total Revenue Growth%                            | 5.9    | 4.0     | <b>4.0</b>   | <b>3.6</b>   |
| Compensation of Employees Growth%                | 1.6    | (1.9)   | <b>(1.9)</b> | <b>(1.9)</b> |
| Use of Goods & Services Growth%                  | 2.8    | (1.9)   | <b>(1.9)</b> | <b>(1.9)</b> |
| Social Benefits Growth%                          | 2.4    | (1.4)   | <b>(1.4)</b> | <b>(1.4)</b> |
| Subsidies Growth%                                | (6.1)  | (2.9)   |              |              |
| Other Expenses Growth%                           | 34.6   | 34.6    | <b>34.6</b>  | <b>31.1</b>  |
| Interest Expense                                 | 0.0    | 3.8     | <b>3.8</b>   |              |
| <b>GDP Growth%</b>                               |        |         | <b>2.3</b>   | <b>2.5</b>   |
| Currency and Deposits (asset) Growth%            | 6.0    | 0.0     |              |              |
| Securities other than Shares LT (asset) Growth%  | (2.2)  | 18.7    | <b>1.0</b>   | <b>1.0</b>   |
| Loans (asset) Growth%                            | 30.1   | 7.6     | <b>1.0</b>   | <b>1.0</b>   |
| Shares and Other Equity (asset) Growth%          | 6.3    | 21.9    | <b>2.0</b>   | <b>2.0</b>   |
| Insurance Technical Reserves (asset) Growth%     | 0.0    | 0.0     |              |              |
| Financial Derivatives (asset) Growth%            | 0.0    | 75.7    | <b>1.0</b>   | <b>1.0</b>   |
| Other Accounts Receivable LT Growth%             | 7.3    | (1.0)   | <b>(1.0)</b> | <b>(1.0)</b> |
| Monetary Gold and SDR's Growth %                 | 0.0    | 0.0     | <b>2.0</b>   | <b>2.0</b>   |
| Other Assets Growth%                             | 0.0    | 0.0     |              |              |
| Other Accounts Payable Growth%                   | 0.0    |         |              |              |
| Currency & Deposits (liability) Growth%          | 6.0    | 11.2    | <b>2.0</b>   | <b>2.0</b>   |
| Securities Other than Shares (liability) Growth% | 8.5    | 30.3    | <b>2.0</b>   | <b>2.0</b>   |
| Loans (liability) Growth%                        | 11.1   | (15.4)  | <b>0.5</b>   | <b>0.5</b>   |
| Insurance Technical Reserves (liability) Growth% | 0.0    | (100.0) | <b>1.0</b>   | <b>1.0</b>   |
| Financial Derivatives (liability) Growth%        | 0.0    | (41.0)  | <b>2.0</b>   | <b>2.0</b>   |
| Addl debt. (1st Year) million EUR                | 0.0    | 0.0     |              |              |

**Base Case**

**ANNUAL REVENUE AND EXPENSE STATEMENT (MILLIONS EUR)**

|  | Dec-11       | Dec-12       | Dec-13       | Dec-14       | Dec-15       | Dec-16       |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Taxes</b>                             | 37,624       | 39,451       | 41,399       | 43,427       | 45,555       | 47,788       |
| <b>Social Contributions</b>              | 10,139       | 9,651        | 10,216       | 10,829       | 11,479       | 12,168       |
| <b>Grant Revenue</b>                     | 0            | 0            | 0            | 0            | 0            | 0            |
| <b>Other Revenue</b>                     | 7,569        | 7,520        | 0            | 0            | 0            | 0            |
| <b>Other Operating Income</b>            | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     |
| <b>Total Revenue</b>                     | 55,331       | 56,623       | 58,866       | 54,256       | 57,034       | 59,955       |
| <b>Compensation of Employees</b>         | 19,113       | 18,784       | 18,423       | 18,069       | 17,722       | 17,381       |
| <b>Use of Goods &amp; Services</b>       | 8,762        | 8,460        | 8,300        | 8,143        | 7,988        | 7,837        |
| <b>Social Benefits</b>                   | 28,952       | 28,960       | 28,559       | 28,165       | 27,775       | 27,391       |
| <b>Subsidies</b>                         | 1,349        | 1,540        | 1,495        | 1,496        | 1,496        | 1,496        |
| <b>Other Expenses</b>                    | 9,178        | 3,048        | 4,103        | 5,522        | 7,432        | 9,746        |
| <b>Grant Expense</b>                     | 0            | 0            | 0            | 0            | 0            | 0            |
| <b>Depreciation</b>                      | <u>2,623</u> | <u>2,424</u> | <u>2,302</u> | <u>2,302</u> | <u>2,302</u> | <u>2,302</u> |
| <b>Total Expenses excluding interest</b> | 69,977       | 63,215       | 63,182       | 63,695       | 64,715       | 66,153       |
| <b>Operating Surplus/Shortfall</b>       | -14,646      | -6,593       | -4,316       | -9,439       | -7,681       | -6,198       |
| <b>Interest Expense</b>                  | <u>5,191</u> | <u>5,912</u> | <u>7,407</u> | <u>7,407</u> | <u>8,153</u> | <u>8,861</u> |
| <b>Net Operating Balance</b>             | -19,836      | -12,505      | -11,723      | -16,846      | -15,833      | -15,059      |

Sources: Historical - IMF, Projections - EJR

**Base Case**

**ANNUAL BALANCE SHEETS (MILLIONS EUR)**

|   | Dec-11           | Dec-12           | Dec-13           | Dec-14           | Dec-15           | Dec-16           |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>ASSETS</b>                                   |                  |                  |                  |                  |                  |                  |
| <b>Currency and Deposits (asset)</b>            |                  |                  |                  |                  |                  |                  |
| <b>Securities other than Shares LT (asset)</b>  | 7,334            | 9,097            | 10,798           | 10,906           | 11,015           | 11,125           |
| <b>Loans (asset)</b>                            | 5,091            | 6,623            | 7,124            | 7,195            | 7,267            | 7,340            |
| <b>Shares and Other Equity (asset)</b>          | 22,830           | 24,475           | 29,845           | 30,442           | 31,051           | 31,672           |
| <b>Insurance Technical Reserves (asset)</b>     | 1                |                  |                  | 0                | 0                | 0                |
| <b>Other Accounts Receivable LT</b>             | 8,618            | 8,190            | 8,110            | 8,031            | 7,952            | 7,875            |
| <b>Monetary Gold and SDR's</b>                  |                  |                  |                  |                  |                  |                  |
| <b>Additional Assets</b>                        | 18,640           | 24,755           | 23,781           |                  |                  |                  |
| <b>Total Financial Assets</b>                   | 63,218           | 73,782           | 80,786           | 81,494           | 82,217           | 82,955           |
| <b>LIABILITIES</b>                              |                  |                  |                  |                  |                  |                  |
| <b>Other Accounts Payable</b>                   |                  |                  |                  |                  |                  |                  |
| <b>Currency &amp; Deposits (liability)</b>      | 15,218           | 17,472           | 19,424           | 19,424           | 19,424           | 19,424           |
| <b>Securities Other than Shares (liability)</b> | 79,675           | 96,557           | 125,842          | 128,359          | 130,926          | 133,545          |
| <b>Loans (liability)</b>                        | 66,422           | 87,347           | 73,936           | 90,782           | 106,616          | 121,674          |
| <b>Insurance Technical Reserves (liability)</b> |                  | <u>1</u>         |                  |                  |                  |                  |
| <b>Financial Derivatives (liability)</b>        | <u>813</u>       | <u>1,572</u>     | <u>927</u>       | <u>946</u>       | <u>964</u>       | <u>984</u>       |
| <b>Other Liabilities</b>                        | <u>5,152</u>     | <u>5,681</u>     | <u>5,125</u>     | <u>3,298</u>     | <u>3,298</u>     | <u>3,298</u>     |
| <b>Liabilities</b>                              | <u>167,280</u>   | <u>208,630</u>   | <u>225,254</u>   | <u>242,808</u>   | <u>259,365</u>   | <u>275,161</u>   |
| <b>Net Financial Worth</b>                      | <u>(104,062)</u> | <u>(134,848)</u> | <u>(144,468)</u> | <u>(161,314)</u> | <u>(177,148)</u> | <u>(192,206)</u> |
| <b>Total Liabilities &amp; Equity</b>           | <u>63,218</u>    | <u>73,782</u>    | <u>80,786</u>    | <u>81,494</u>    | <u>82,217</u>    | <u>82,955</u>    |

## **Sovereign Rating Methodology (Non-NRSRO)**

**Scope and Limitations:** Sovereign Issuer Credit Quality Ratings (CQR) are a forward-looking assessment of a sovereign's capacity and willingness to honor its existing and future obligations in full and on time. Sovereigns are assigned two CQRs: a Local-Currency CQR, which reflects the likelihood of default on debt issued and payable in the currency of the sovereign, and a Foreign-Currency CQR, which is an assessment of the credit risk associated with debt issued and payable in foreign currencies.

**Key Rating Drivers:** EJR's approach to sovereign risk analysis is a synthesis of quantitative and qualitative judgments. The quantitative factors EJR uses are:

- Debt in relation to GDP.
- Surplus or deficit in relation to GDP.
- Debt plus potential under-funding of major banks in relation to GDP.
- Interest expense in relation to taxes.
- GDP growth.
- Foreign reserves in relation to debt.

Debt levels for many sovereign issuers have increased at an accelerating rate over the past decade, affecting implied ratings. EJR also considers unemployment levels and funding costs. EJR recognizes that no model can fully capture all the relevant influences on sovereign creditworthiness, meaning that the its sovereign ratings can and do differ from those implied by the rating model. Some of the qualitative factors that impact its ultimate assessment of credit quality include the flexibility, stability and overall strength of the economy, efficiency of tax collection, acceptance of contract law, ease of doing business, trade balances, prospects for future growth and health and monetary policy, and economic freedom. These subjective and dynamic qualitative issues are not captured by the model but affect sovereign ratings

*For additional information, please see Exhibit 2: Methodologies in EJR's Form NRSRO.*