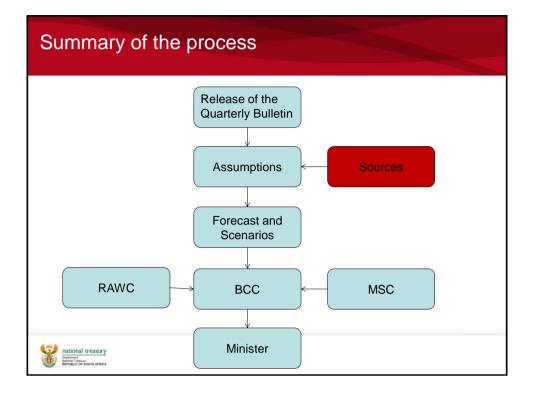


What are we going to cover?

- The forecasting process
 - Assumptions and assumptions process
 - Analysis that feeds into forecast
 - The baseline forecast and scenarios
 - The forecast and its use
 - The Forecast memo
 - Publications of the forecast
- Our economic modelling tools
 - The Quarterly Forecasting Model
 - Other smaller models
- Other work that we do and our tools
 - Economic assessments of policies

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Various pieces of research feed into the forecast

- · Estimates of potential growth
- · Confidence across consumer groups and their debt levels
- PMI estimates
- Business confidence
- · Policy interventions
 - Tax proposals
 - Regulatory interventions,
 - Expenditure plans
 - Etc
- Key developments in sectors driven by policy such as the oceans economy or energy
- · Research on fiscal multipliers

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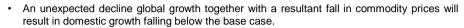
The forecast is a key input into the revenue forecast and the fiscal framework

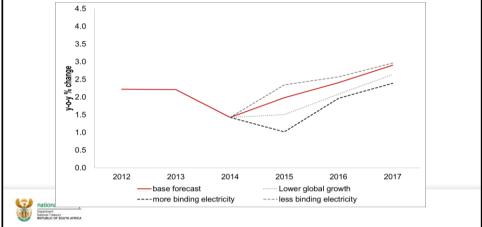
- The forecast is discussed at the forecast meeting which attended by the same people attending the assumptions meeting.
- Key outputs
 - Expenditure components of GDP in real and nominal terms, fiscal and calendar years
 - Rand/dollar exchange rate, the nominal and real effective exchange rates
 - Current account and terms of trade
 - Core Inflation, Headline Inflation, PPI and various other deflators
 - 10 year bond yield
- Feeds into the Revenue Analysis Working Group to generate tax revenue forecast and the Budget Office to generate the fiscal framework
- The forecast is discussed at the Budget Coordination Committee, the Senior Management Meeting, The Macrostanding Committee.



Scenario analysis is used to identify the risks to the forecast

- Further deterioration in electricity availability is likely to reduce growth by 1% in 2015.
- Better than expected availability of electricity can boost growth by 0.4%





The Minister approves the final forecast

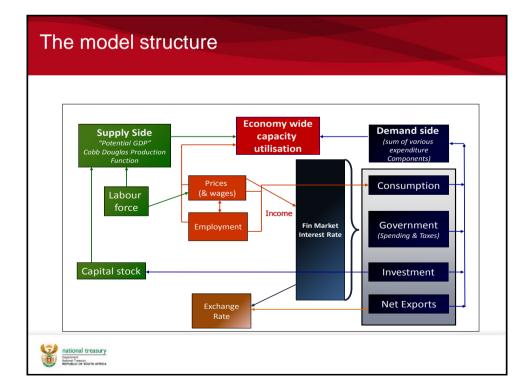
- · The forecast is formally presented to the Minister in a memo format
- The memo outlines
 - The current domestic and international environments
 - Presents the forecast numbers and explains them
 - Presents the risk to the forecast and the scenario analysis
- The forecast is updated every quarter but only 2 of the forecasts are published. The September forecast is published in the Medium Term Budget Policy Statement and the January forecast in the Budget Review.
- The entire process of forecast generation and approval takes about 4 weeks.
- The forecast process provides a framework to integrate global and domestic developments and generate a consistent and credible forecast story.

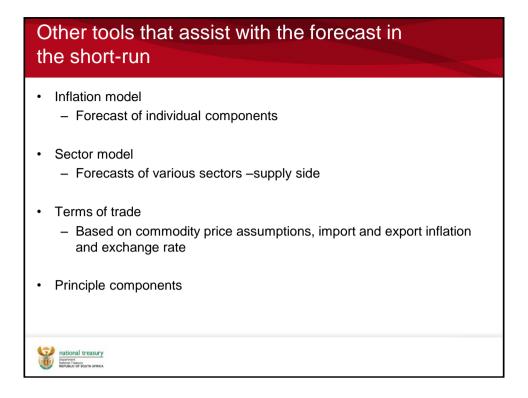


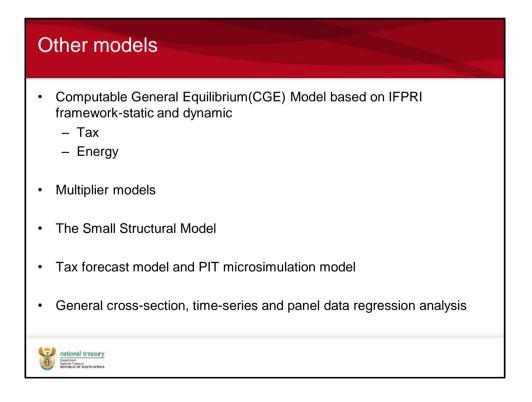
National Treasury uses a large econometric model as its main forecasting tool

- The Quarterly Forecasting Model is a demand-side econometric model that reflects the small, open nature of the South African economy.
- The model consists of 279 variables, of which 139 are determined endogenously (i.e. by the model). 21 of the endogenous variables are determined by behavioural equations.
- Behavioural equations estimate South African specific short-run and long-run economic relationships simultaneously based on the relevant economic theory.
- · For example
 - Consumption based on wages, employment and interest rates
 - Private investment based on domestic and world growth, commodity prices, capacity utilization and the user cost of capital. Government and public corporation investment are determined exogenously.
 - Exports based on foreign demand (proxied by GDP in G7 countries), relative export price competitiveness, the real effective exchange rate, and commodity prices.

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Some of our work

- · Re-estimation of the National Treasury potential growth and output gap
- Assessing the economic impacts of possible climate change outcomes on the South African
 economy
- Benchmarking and revisions to South Africa's National Accounts and Balance of Payments
 Statistics
- The Economic Impacts of Alternative Electricity Options
- The impact of higher mark-ups on the South African Economy
- Calculation of the exchange rate pass through to inflation
- The determinants of capital flow reversal
- Assessment of the impact of reduced government expenditure on the economy
- · Assessment of the impact of PIT and VAT proposals on the economy
- Trends in gross profitability
- The impact of various funding options for Eskom on the economy
 - Various short reports on:
 - The impact of a UIF holiday
 - Electricity intensity of various sectors based on supply and use tables
 - Multipliers for specific industries
 - monThe impact of shutting down the aluminum smelters
 - www.commercial and the sector of introducing an increase to the electricity levy