

# Conningarth Infrastructure Database (CID)

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# Origin of CID

- ▶ Conningarth has for the past 20 years compiled projections for Transnet. This Projections Transnet Use for Long term planning for their Infrastructure program.
- ▶ Transnet main emphasis is on the Flow of Physical volumes. Conningarth uses this model as the Basis for Conducting its projections in both Rand value and Physical volumes and all other Derivatives .
- ▶ The model used to generate this data base is under pinned by primary data that was primary data source provided my various industry associations but verified and validated by Transnet.
- ▶ The system is calibrated in such a manner that it adds up to RSA National Accounts

# CID VARIABLE-ELEMENTS

- ▶ Values (Rands, Demand & Supply)
- ▶ Volumes (Tons, Demand & Supply)
- ▶ Water Demand
- ▶ Electricity Demand
- ▶ Liquid Fuels Demand (Petrol & Diesel)
- ▶ Economic Growth (GDP Values)
- ▶ Labour Demand (Skilled, Semi-Skilled & Unskilled)
- ▶ Population and Household Data (Population , Number of Households, Household Income)

# CID Structure

## ▶ Structure and Magnitude of Model

- ▶ 30 Projection Period
- ▶ Rolling Base Year
- ▶ 116 Commodity spread
- ▶ 266 Local Municipalities

## ▶ Structure and Magnitude of Model

- ▶ Likely Projection
- ▶ High Projection
- ▶ Low Projection

**Continue to Actual CID**

# Conningarth Infrastructure Database (CID)

- ▶ Introduce Presenter & Conningarth2
  - ▶ Computer Technical Specialist Not Economist
  - ▶ Due to Time Constraints - Only Focus on Demonstration of Extraction Database
- ▶ Origin of CID
  - ▶ Transnet Use for Origin & Destination of Goods
  - ▶ 20 Years in application
- ▶ Structure and Magnitude of Model
  - ▶ 30 Projection Period
  - ▶ Rolling Base Year
  - ▶ 116 Commodity spread
  - ▶ 266 Local Municipalities
  - ▶ Projections are done on a detail bases and change of intensity of use
  - ▶ Regional shift Example PowerStation Highveld now Waterberg Limpopo
- ▶ Level of Projections
  - ▶ Likely Projection
  - ▶ High Projection
  - ▶ Low Projection