



**EPCOR**

## **Electricity Operations**

**How data science, open data and artificial intelligence are transforming regulation - are we prepared?**

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**CAMPUT**

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PROVIDING MORE

**EPCOR**

# Introduction to EPCOR

- Headquartered in Edmonton, Alberta and owned by the City of Edmonton
- We build, own and operate electrical, natural gas and water transmission and distribution networks, water and wastewater treatment facilities, sanitary and stormwater systems, and infrastructure in Canada and the United States.
- Serving the City of Edmonton
  - ~980,000 inhabitants with 396,000 accounts
  - 700 km<sup>2</sup> (270 sq. miles)
- Energy Sales ~7,700 GWh (all rate classes)
- Interruption frequency ~ 1 / customer / year
- Interruption duration < 1 hour / year



# What is Asset Management?

- Definition: "the coordinated activity of an organization to realize value from assets."

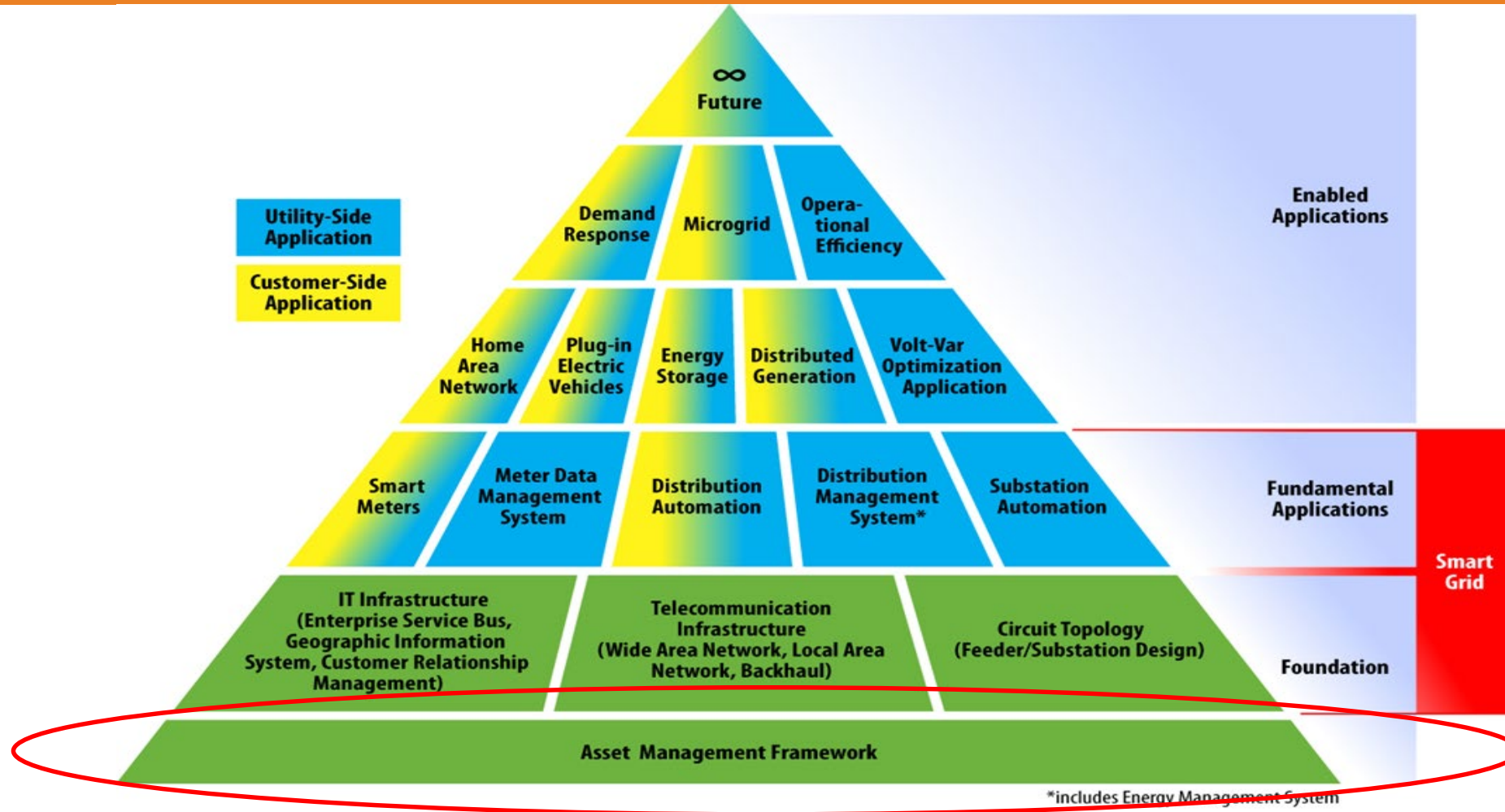
*ISO 55000, 2014 (3.3.1)*

- "The goal is to turn data into information, and information into insight", and insight into plan and action.

*Carly Fiorina, Former CEO of HP*



# Role of the Asset Management

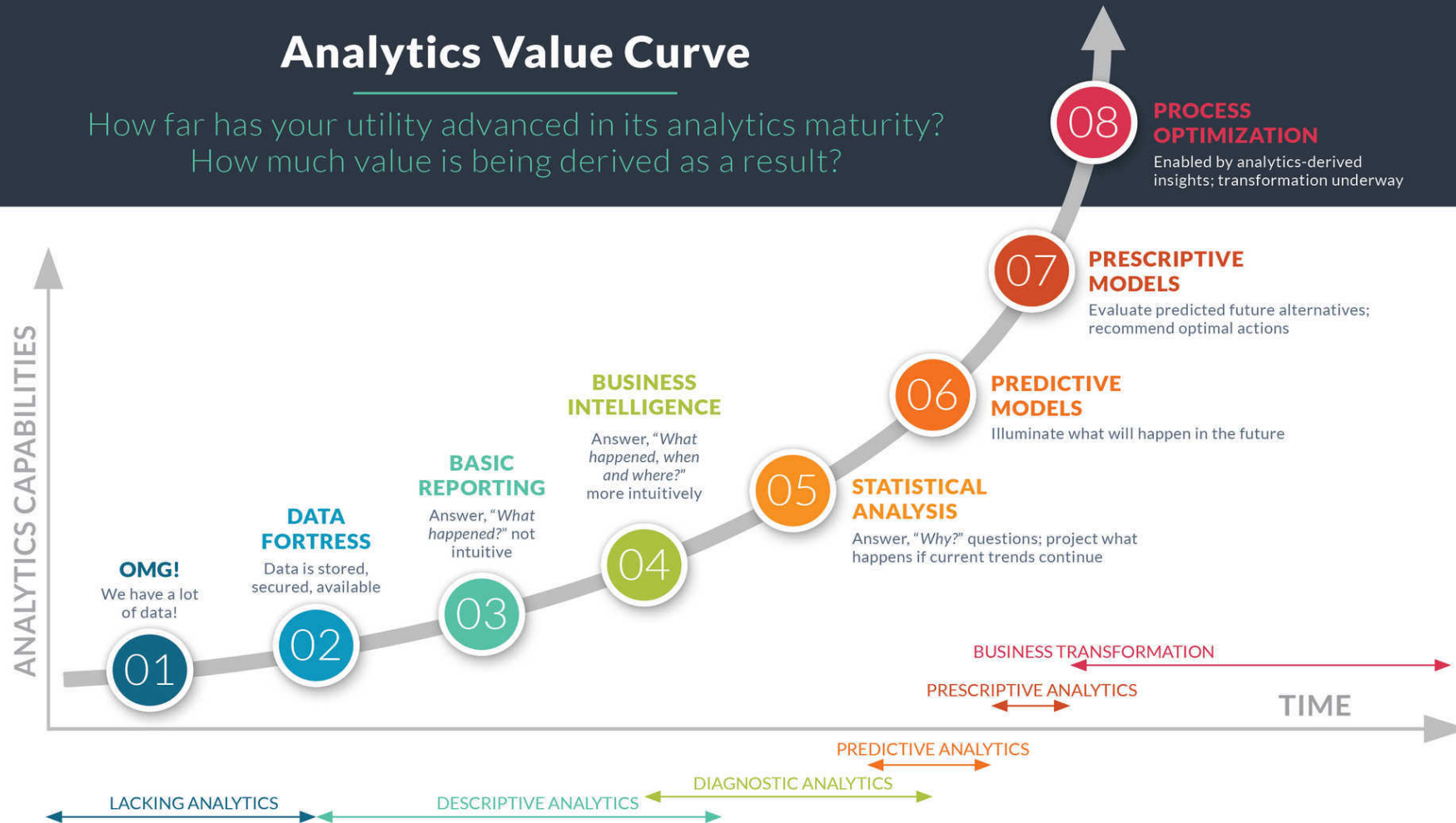


Source: BC Hydro

# Asset Management Analytics Maturity Curve

## Analytics Value Curve

How far has your utility advanced in its analytics maturity?  
How much value is being derived as a result?



Thank You