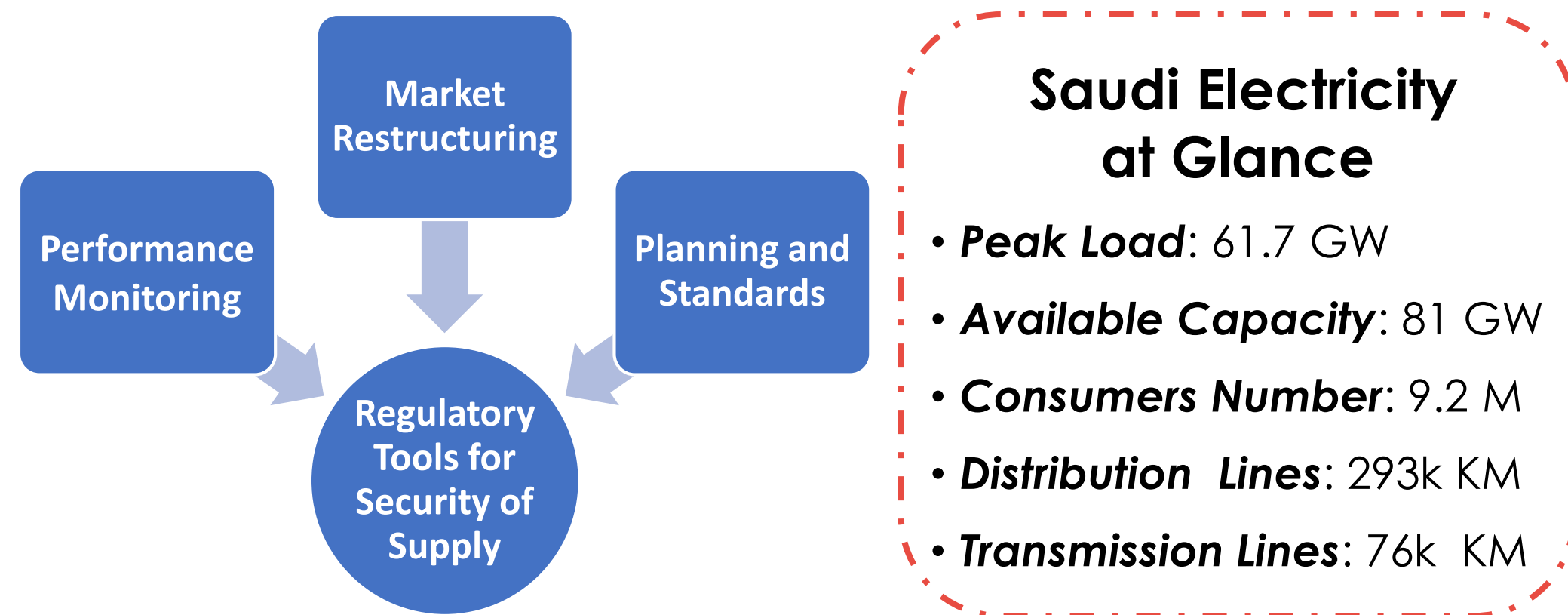


ECRA's Regulatory Approach to Maintaining Security of Supply

Fayez Ghaith Al Jabri, Mohammed Al Ghwazi, Shareef Al-Barrak
Electricity & Co-Generation Regulatory Authority, Saudi Arabia

Security of electricity supply is a priority for Saudi Electricity and Co-Generation Regulatory Authority (ECRA). This paper sets out our approach to maintaining security of supply in response to significant demand growth and continuity of supply as shown below.



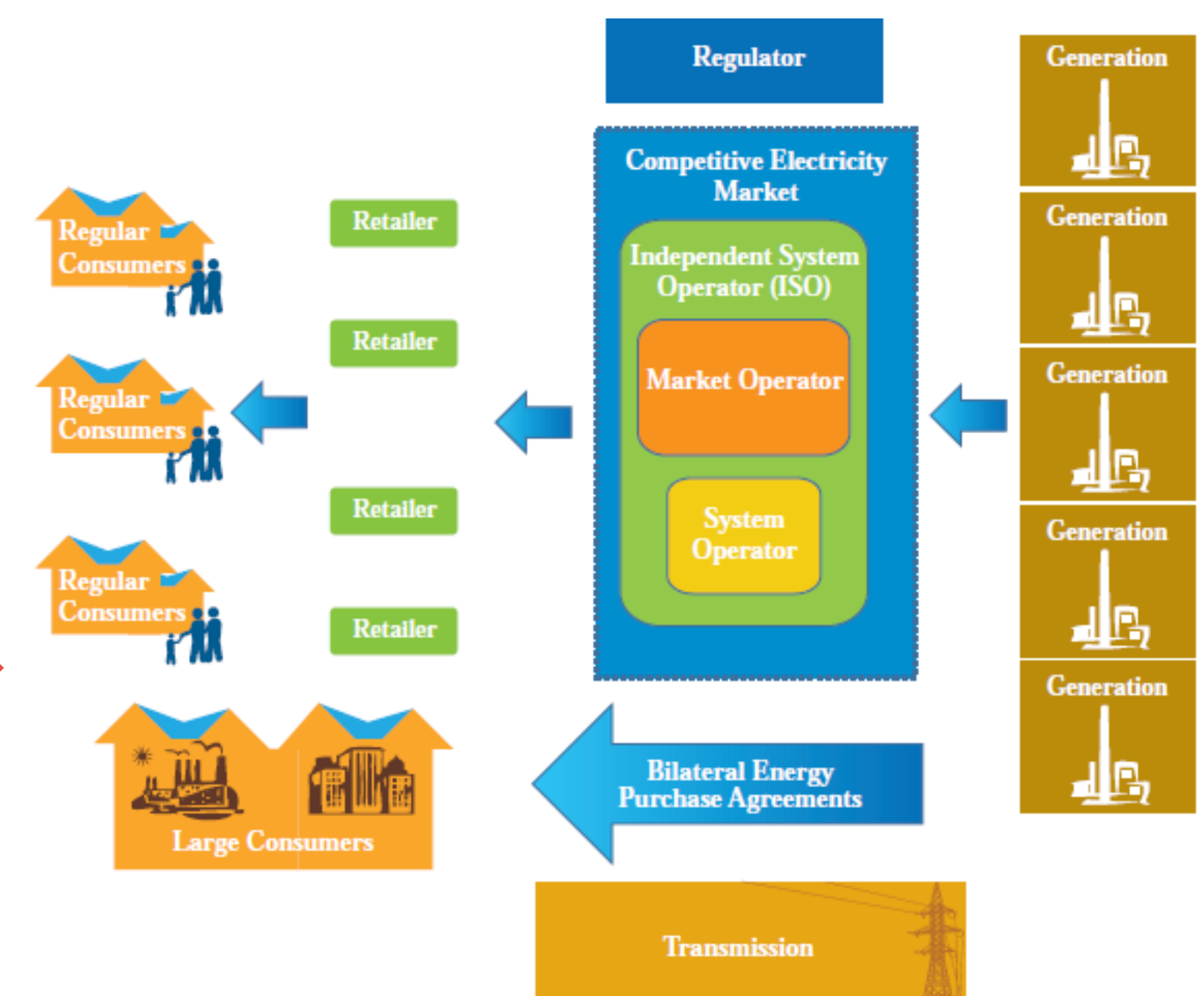
ECRA is confident that the current arrangements are sufficient to:

- Effectively monitor the security of power system
- Enhance security of supply.

ECRA will continue to assess the appropriateness of the current framework and identify where any improvements can be made to the existing documents.

A. The Electricity Industry Restructuring Plan (EIRP)

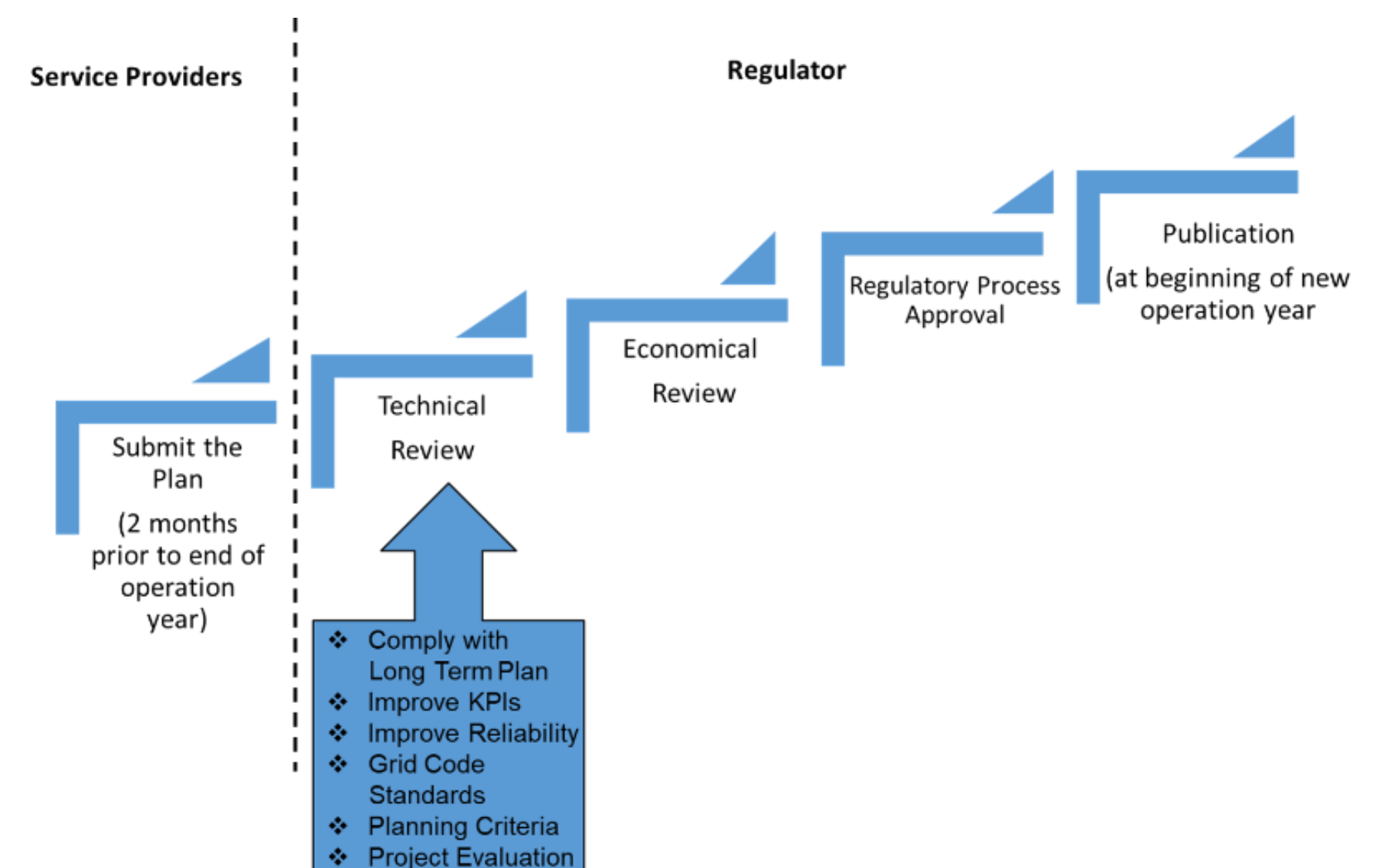
The development of open, competitive markets has the potential to deliver security of supply benefits for KSA. It opens up possibilities for greater supply diversification, mitigating local supply risks, allows flexible trading within and between neighboring countries.



B. Planning and Standards

To monitor Security of Supply, several documents have recently been developed as follows.

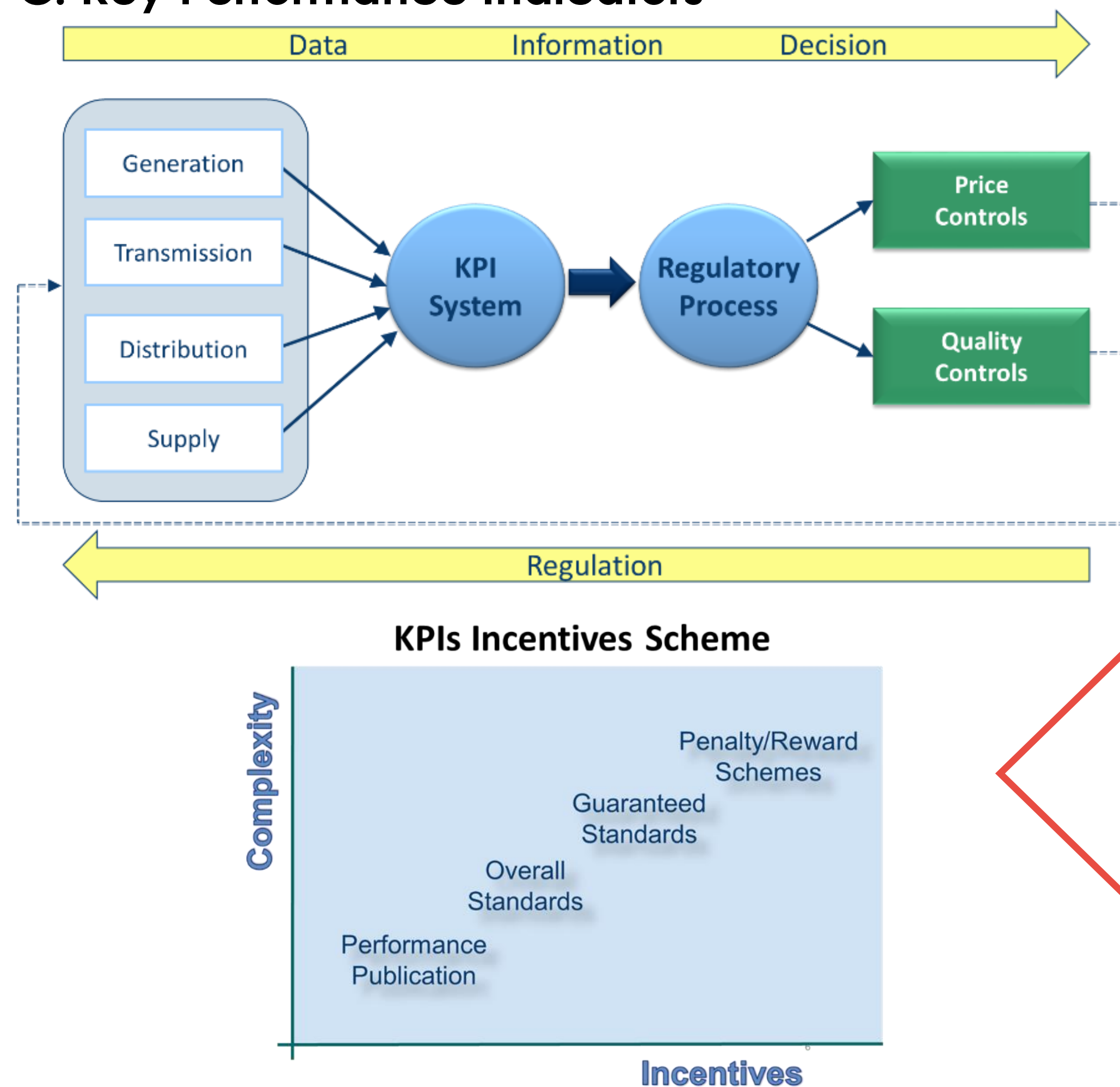
- Generation Expansion Planning Criteria
- Distribution Security of Supply
- Transmission and Distribution Capability Statements



iv. Renewable Generation

- Small scale solar PV regulations
- Grid and distribution codes amendments to enable renewable generation

C. Key Performance Indicators



Reference Materials

- ECRA's KPIs regulatory Framework, Distribution security Standards, Transmission Planning Criteria, Grid and Distribution codes

Keywords

Security of supply, Continuity, Renewable, Restructuring, Planning and Standards

In case of interest, please contact us at:

fgjabri@ecra.gov.sa, smbarrak@ecra.gov.sa, mmghawazi@ecra.gov.sa