APEC - JODI Workshop 2019

Monthly Oil and Gas Data Collection System in Korea

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Background of Oil & Gas Data Collection

Industry Status and Data Submitters



Announcement of Statistics

Challenges



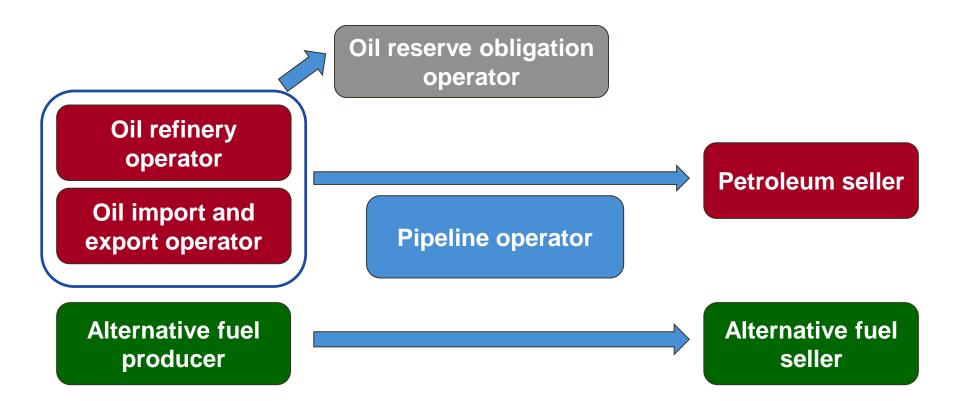
1. Background of Oil & Gas data collection

- Comparison of Korea's Oil and Gas Industry
 - Marketization : Oil > Gas
 - Obligation to provide data : Oil > Gas

	Oil	Gas
Public enterprise	KNOC (Korea National Oil Company)	KOGAS (Korea Gas Coporation)
Role of Public enterprise	E & P, Oil stockpiling, Disclosure of oil supply and demand information	The biggest importer natural gas, Supplies gas to domestic market
Legal Base	Article 19 of Energy Law (Management and publication of energy related statistics) - can make, can request the submission of data	
	Petroleum and Petroleum Alternative Fuel Business Act - reporting obligation and - included penalties	Do not exist

2. Oil Industry in Korea

- Most companies are private companies
 - According to the related law, there are 7 parts in the oil industry



2. Oil Data Collection

- Each parts submits monthly data to KNOC
- KEEI uses data from the KNOC

Oil refinery operator

Oil import and export operator

Petroleum seller

Alternative fuel producer

Alternative fuel seller

Pipeline operator

Oil reserve obligation operator

Supply

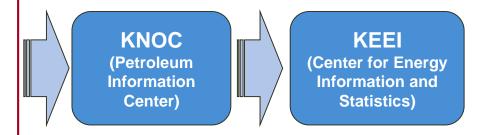
Imports Production Stock changes

Transformation

Generation District heating Gas manufacturing

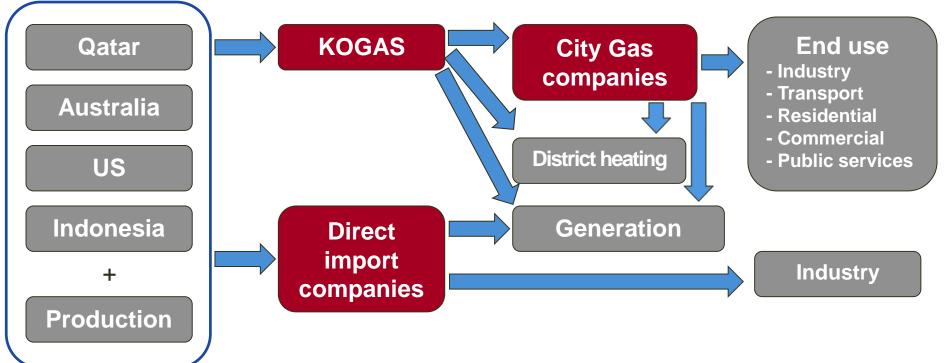
Demand

Industry Transport Residential Commercial Public services



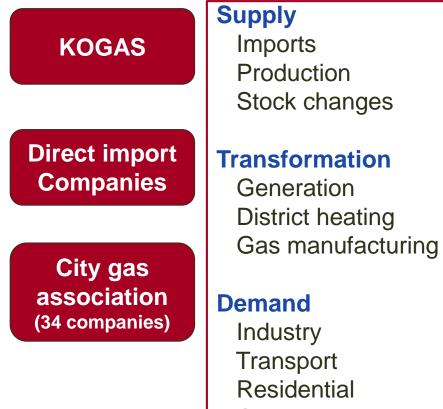
2. Gas Industry in Korea

- Changes in domestic market environment
 - Originally there is only one natural gas import company in Korea(KOGAS)
 - Recently, LNG direct import companies are increasing



2. Gas Data Collection

Data Submitters : KOGAS, Direct import companies, City gas association



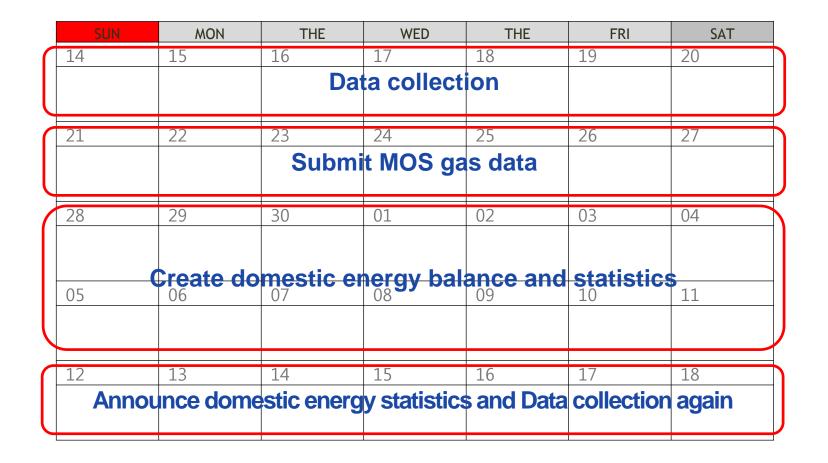
Commercial

Public services

KEEI (Center for Energy Information and Statistics)

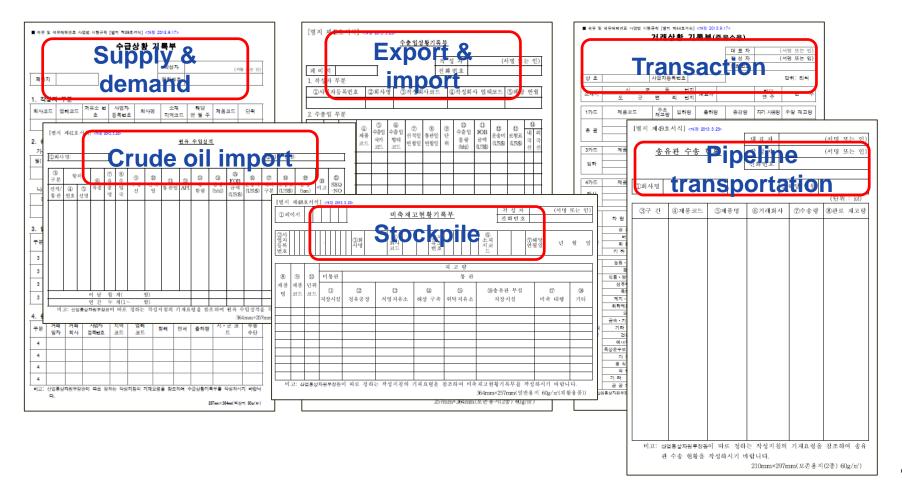
3. How to Collect Data

Timeline for Oil and Gas Statistics



3. How to Collect Data (Oil)

- There are 12types of questionnaire
 - 6 main questionnaires



3. How to Collect Data (Gas)

- Using two questionnaires (natural gas, city gas)
 - Natural gas includes imports and supplies(sales)
 - In the city gas table, consumption part is divided



4. Announcement of Statistics

- Domestic publication
 - Off-line : Monthly Energy Statistics, Yearbook of Energy Statistics etc.
 - Online : KESIS(Korea Energy Statistical Information System) (www.kesis.net)
- International : Submit to IEA
 - MOS, JODI(monthly), mini questionnaire, AQ(yearly)





5. Challenges

- No problem with petroleum data collection
- The problem of gas data collection
 - Increasing of natural gas direct import companies
 - No penalty even if they do not data submit
- Create a reporting system jointly with Gas industry division of the Ministry of Industry, Trade and Energy(in 2019)

