

Technical Workshop on Energy Efficiency Indicators and Data: “Smart Tools for Smart Savings”

Activity Data Collection across the Economy

Mexico City
26th-27th September, 2018



INSTITUTO NACIONAL
DE ESTADÍSTICA Y GEOGRAFÍA

Economic Surveys

Monthly Surveys	Annual Surveys
Commercial Enterprises	Trade Survey
Manufacturing Industry	Construction Companies
Business Opinion	Manufacturing Industry
Services	Non-Financial Private Services Survey
National Survey of Construction Companies	Transport Survey



Economic Censuses



The most complete and detailed source of basic information in Mexico. Necessary for decision making, analysis, and research, both in the public sector and in the private and academic sectors.

Frequency and reference year

- Economic censuses in Mexico take place every five years.
- The data collected correspond to the economic activity carried out from January 1 to December 31 of the year prior to the year of the collection; thus, for the 2019 Economic Censuses, data correspond to the year 2018.



Usefulness of Economic Censuses for other INEGI projects

- Updating of DENUÉ [National Statistical Directory of Economic Units]
- Updating of RENEM [Mexican Statistical Business Register]
- National Accounts System
- National Price Index
- Updating of the Geostatistical Framework
- Establishments Framework for Economic Surveys
- Census of Population and Housing



Observation Unit

- The main observation unit is the *establishment* because it allows the economic information to be referenced to the geographical space where the activities are carried out.
- The *establishment* definition includes factories, shops, mines, fishing units, service establishments, etc.
- Excludes facilities that are not anchored or permanently attached to the ground, as well as street stalls.



The scope of Economic Censuses

Geographic coverage: THE WHOLE COUNTRY

- Full scouring in urban areas
- Sampling in rural localities

Sectoral coverage: ALL ECONOMIC ACTIVITIES (except agricultural)

- Fishing
- Aquaculture
- Mining
- Electricity, Gas, and Water
- Construction
- Manufactures
- Trade
- Transportation
- Services

Presented in almost 1000 different National Industries (the most disaggregated level, identified by six digits)

A large dimensions project

- Scouring involves more than 5303 urban locations
- Approximately 1.6 million square blocks will be scoured
- Around 18,500 mobile computing devices will be used
- Around 25,000 people will participate
- 18 questionnaires and two modules for data collection



Thematic content

Data of identification and location of economic units	Type of organization of the economic unit	Operational period	Staff employed
Remunerations	Expenses	Stock	Fixed assets
Income	Value of production	Information and communications technology	Credit and bank accounts



Innovations: New information needs

Measuring the incursion of businesses in the generation of electrical energy for their activity



New questions: Investment in equipment for the generation of electrical energy from renewable sources: wind turbines, solar cells, solar and photovoltaic panels, among others.



Economic Activity Classification

- The economic activity of each establishment will be classified using the North American Industry Classification System (2018).

SCIAN 2013 (CE 2014)	SCIAN 2018 (CE 2019)
Oil and gas extraction	Oil and associated natural gas extraction
	No associated natural gas extraction
Electric power generation, transmission and distribution	Electricity Generation from fossil fuel
	Electricity Generation from hydraulic energy
	Electricity Generation from solar energy
	Electricity Generation from wind energy
	Electricity Generation from other type of energy
Electric power transmission and distribution	Electric power transmission
	Electric power distribution
	Electric power commercialization



Energy Data

Energy		
Transversal variables in questionnaires	Questionnaires	
	Basic	Extended
Expenses (thousands of pesos)		
• Electric energy consumption		
• Consumption of fuels and lubricants		N/A
• Consumption of fuels and lubricants for transport equipment	N/A	
• Energetic consumption in the production process	N/A	
Value of the production (thousands of pesos)		
• Value of the electric energy generated	N/A	
• Volumen in kWh produced	N/A	
Fixed assets (thousands of pesos)		
• Equipment for the generation of electrical energy		
Vehicle Fleet		
• Type of vehicle; vehicular age; passenger capacity, cargo; monetary value.	N/A	

Electrical Industry Questionnaire	
Electricity	Volume and sales of electricity at operating cost by type of user
	Generation and distribution of electrical energy by type of power plant (Hydroelectric; Steam thermoelectric; Combined cycle thermoelectric; Turbo gas thermoelectric; Internal combustion thermoelectric; Dual thermoelectric; Geothermal; Nucleoelectric; Carboelectric; Eoloelectric; Solar; Other)





Conociendo México

01 800 111 46 34

www.inegi.org.mx

atencion.usuarios@inegi.org.mx



@inegi_informa



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