# Keyword Guidance for Energy Text Collection

To build a robust FastText classifier for energy domain text classification, it is important to collect positive samples that represent a wide coverage of the energy landscape. The following categorized list of keywords is intended to guide you in searching for relevant documents from various academic databases (e.g., arXiv, OpenAlex, CrossRef) or using APIs/web crawlers.

## General / Overarching

* energy, energy system, energy infrastructure, energy transition, energy security, energy planning, energy economics, energy consumption, energy demand, energy policy, sustainable energy, carbon neutrality

## Power Systems & Electricity

* power system, electricity generation, electric grid, smart grid, load forecasting, transmission network, grid integration, distributed energy resources, energy storage, pumped hydro storage, battery storage

## Fossil Energy

* fossil fuel, natural gas, gas pipeline, LNG, coal power, oil and gas, shale gas, petroleum refining, carbon capture and storage (CCS)

## Renewable Energy

* renewable energy, solar energy, photovoltaic, wind energy, onshore wind, offshore wind, geothermal energy, hydropower, hydroelectric, bioenergy, biomass, biogas, tidal energy, wave energy

## Emerging Energy & Hydrogen

* hydrogen energy, green hydrogen, blue hydrogen, fuel cell, ammonia fuel, synthetic fuels, power-to-gas, energy carriers

## End-use & Efficiency

* building energy efficiency, industrial energy use, electric vehicles, energy-saving technologies, smart home energy, demand-side management

## Emissions & Environmental Impact

* carbon emissions, greenhouse gases, life cycle assessment, emission intensity, climate policy, carbon footprint

## Markets & Policy

* energy market, energy pricing, emission trading scheme, carbon tax, renewable energy incentives, decarbonization policy

## Recommended Usage

* - Use logical combinations like: "solar energy" OR "wind energy" OR "hydrogen energy"
* - If the API allows, apply keyword expansion with synonyms or stemming
* - When using a crawler, ensure keywords appear in title/abstract/body for selection