# Codebook for Regulatory Discussion Analysis

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| Variable Name | Description | Coding | Example Keywords/Indicators |
| Regulation\_Present\*\* | Indicates if there is a discussion of environmental or energy regulation | 1 = Yes 0 = No | "environmental regulation", "energy regulation", "EPA", "FERC" |
| Regulation\_Type | Specifies the type of regulation discussed: environmental, energy, both, or unclear | 1 = Environmental 2 = Energy 3 = Both 0 = None/Unclear | *Environmental*: "environmental standards", "pollution control",  *Energy*: "FERC", "energy grid", "electricity rates" |
| Federal\_Regulation | Indicates the presence of federal-level regulation (mentions of agencies like EPA, FERC) | 1 = Yes 0 = No | "federal", "EPA", "FERC" |
| State\_Regulation | Indicates the presence of state-level regulation discussion | 1 = Yes 0 = No | "state regulation", "public utility commission", "Renewable Portfolio Standard (RPS)" |
| Local\_Regulation | Indicates the presence of local-level regulation discussion | 1 = Yes 0 = No | "local ordinance", "municipal policy" |
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\*\* if regulation\_present is 0 then all following variables are also 0

# Detailed Explanation of each Category:

1. **Regulation\_Present**  
   This binary variable captures the presence of either environmental or energy regulation specifically within the text. For an entry to be coded as "1," there must be an explicit reference to regulatory terms that are clearly related to environmental or energy concerns. General mentions of "governmental regulation" or similar non-specific terms are not included here. Examples of indicators include references to specific agencies or terms like "EPA regulations" or "energy compliance."
   * GHG emissions control, carbon taxes, cap-and-trade programs, Renewable volume obligation (RVO), renewable energy credits -RINs
2. **Regulation\_Type**  
   This variable distinguishes the type of regulation being discussed if it can be identified. It’s coded as:
   * **1** for Environmental Regulation, which includes mentions of regulations or policies aimed at environmental protection, pollution control, emissions standards, clean water standards, etc.
   * **2** for Energy Regulation, which includes policies governing the production, transmission, and distribution of energy, such as FERC rules or electricity rate standards.
   * **3** if both types are mentioned together in the text.
   * **0** if neither type is mentioned or if the regulation is unclear.
3. **Federal\_Regulation**  
   This variable captures mentions of federal-level regulation or oversight. Indicators include explicit references to federal agencies such as the Environmental Protection Agency (EPA) or the Federal Energy Regulatory Commission (FERC), or mentions of federal regulations in a way that clarifies the jurisdiction. It’s coded as "1" for presence and "0" otherwise. Examples:
   * PURPA – Public Utility Regulatory Policy Act
   * SMCRA - Surface Mining Control and Reclamation Act
4. **State\_Regulation**  
   This binary variable identifies whether there is a mention of state-level regulatory policies. It captures regulations at the state level, such as Renewable Portfolio Standards (RPS) or state environmental agencies. Mentions of specific state entities, state mandates, or compliance with state laws are key indicators.
5. **Local\_Regulation**  
   This variable captures mentions of local-level regulations, such as city ordinances or county-level environmental policies. The text should refer explicitly to local jurisdictions, entities, or ordinances. It is coded as "1" if present and "0" if absent.