

# Revenue Estimation Methodology: Office of Natural Resources Revenue (Federal)

Appendix of Working Paper 24-01 by **Daniel Raimi, Elena Davert, Haley Neuenfeldt, Amy Van Zanen, and Zach Whitlock**

## 1. Revenue from Production on Federal Lands

The U.S. Department of Interior Office of Natural Resources Revenue collects revenue from extraction of natural resources on federal and Native American lands. This revenue is distributed to various legislated funds, local governments, and federal agencies. This analysis focuses on the distribution of revenue to state and local governments.

### 1.1. Data Inputs

Source	Data Name	Description
Office of Natural Resources Revenue - U.S. Department of the Interior	Revenue	Summarizes federal revenue collected from federal lands across various states and counties from both offshore and onshore sources, and across multiple commodity types. Data available from 2003-2021, summarized by both calendar and fiscal years.
Office of Natural Resources Revenue - U.S. Department of the Interior	Disbursements	Summarizes the distribution of revenue collected from the extraction of natural resources on federal and Native American lands. Tracks disbursements to legislative funds, federal agencies, state govts, and local governments. Data available from 2004-2021 (fiscal years only).

## **1.2. Calculations and Assumptions**

### **1) Compile and Summarize ONRR Revenue Data**

We collected ONRR Revenue Data and created a Pivot table that summarizes revenue collection by State, Fiscal Year, and Commodity.

### **2) Estimate revenue percentages**

We then isolated the following commodities, and calculated their percentage relative to all revenue collected from each state in each fiscal year: “Coal”, “Gas”, “NG Liquids”, “Oil,” “Oil & Gas (pre-production),” and “Oil Shale.”

### **3) Compile and Summarize ONRR Disbursement Data**

We then collected ONRR Disbursement data and created a Pivot table that summarizes revenue distribution by State, Fiscal Year, and County (when applicable).

### **4) Estimate Distribution by Commodity**

We then multiplied the commodity percentages by the isolated disbursement amounts to estimate what portion of each distribution could be attributed to our fossil fuel types of interest.

## **1.3. Output**

An estimate of federal mineral lease revenue distributions, estimated by fossil fuel type.

