

# PwC Alteryx ESG Bundle



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February 2023

# All ESG paths start with credible data and analytics

**Environmental, Social, and Governance (ESG)** issues have taken center stage among **investors, regulators, and consumers**. The global community is demanding **transparency and accountability**, prompting the enactment of regulations mandating the disclosure of ESG metrics. As investors and consumers move beyond conventional concerns such as profits and price, they are scrutinizing companies on carbon costs and diversity and inclusion.

As companies strive to comply with the regulatory requirements and publish sustainability reports, they face a significant challenge in **consolidating vast amounts of data from diverse sources**. There is a growing need to build and **modernize ESG technology solutions** that allow for democratization of data, streamlined reporting, and scalable processes that **ensure timely and accurate reporting**.



## Enabling change with data strategy leveraging Alteryx



Establish Single Source of Truth for ESG Data and disclosures. Consistency is Critical.



Establish clear data lineage, traceability, and audit trail.



Develop the ability to forecast ESG trends and outcomes.



Support your ESG decision and investments with clear ROI analysis.



Utilize technology to produce reporting and analytics that enhance ESG practices.



## Example Impacted Stakeholders across your Enterprise



Sustainability



Enterprise Risk Organization



Controllershship



The ESG Controller



Internal Audit



Business Intelligence & Data Systems



Financial Planning & Analysis



Procurement & Sales
























Tax & Compliance



Board/C-suite Management

# PwC ESG Alteryx Accelerator Universe

| Data Sourcing, Parsing, and Aggregation   |  | Aggregation & Calculation  |  | Reporting |
|---|--|--|--|-----------|
| Greenhouse Gas Invoice Parsing           | Packaging & material waste calculator       | Survey Aggregator              | GHG - Scope 1,2,3 Baseline Reporting  |           |
| Air Travel Distance Calculator           | Investment GHG allocation                   | ESG Common Data Model          | DE&I Reporting                        |           |
| Employee Commuting Emissions Calculator  | Product lifetime activity calculator        | End-to-end GHG Emissions Calculator   | *Sample of PwC built accelerators  |           |
| Spend Category Emissions Mapping         | Shipping Distance Calculator (BOL Parsing)  | Third-party emissions factor aggregator   |  |           |
| Fuel/Gas Invoice Parsing                 | Motor Vehicle Mileage Calculator            | DE&I data aggregation   |  |           |
|   |  | Key driver scenario analysis   |  |           |
|   |  |  |  |           |

 Environmental  Social

# Alteryx in Action - Greenhouse Gas Invoice Parsing

Parsing data from invoice PDFs to calculate Scope 2 emissions using data on power grids from the EPA

## Problem Statement

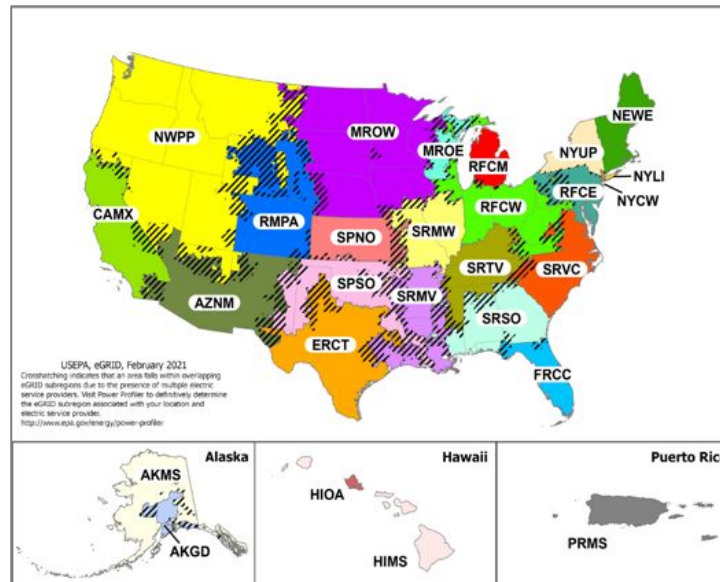
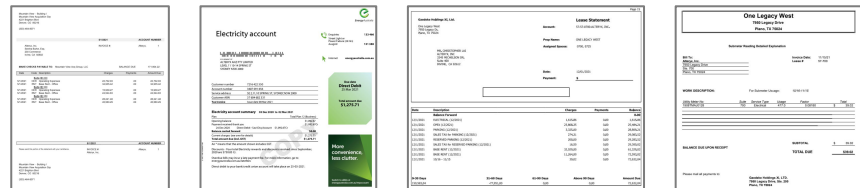
- Utility invoice data is crucial for sustainability reporting
- Invoices often come in different formats from various utility/management companies, making it challenging to process the data
- kWh usage is not always integrated into existing reporting systems
- Invoices need to be matched against emissions factors from third parties, which can be location-based

## Challenges

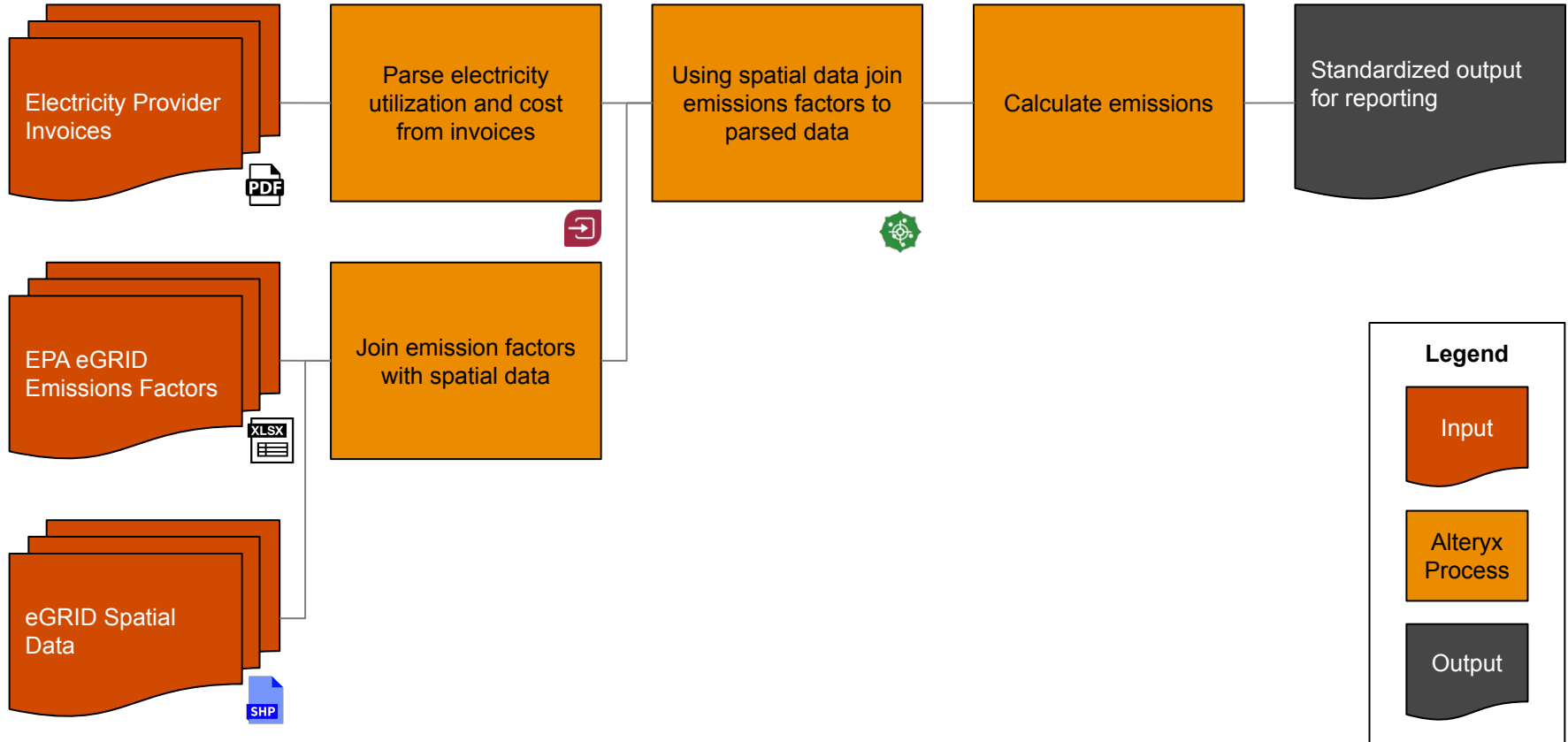
- Invoices are typically in PDF format, making it difficult to extract data automatically
- Invoice forms lack standardization across different locations, creating additional hurdles in data processing
- Mapping emissions factors to specific locations can also be complex

## Opportunities

1. Leveraging Alteryx PDF parsing can help extract data from PDF invoices after creating templates to read from
2. Spatial tools can be used to map locations to eGrid data, simplifying the emissions factor mapping process
3. Creating a standardized activity and emission factor output can improve data consistency and reduce errors



# Utility Invoice Parsing



# PwC on Alteryx's ESG Blueprint

PwC Alteryx Accelerator + Service Offering

PwC Service Offering

| ESG Blueprint        |  |                                  |  |  |  |   |   |  |   |   |
|----------------------|--|----------------------------------|--|--|--|---|---|--|---|---|
| FUNCTION/ DEPARTMENT | Impact Assessment                            |                                  | Risk and Compliance                      |  | Supply and Demand (Customer/Suppliers) |   | Back Office (People/Finance)            |  | Policies & Controls                     |   |
| USE CASES            | Net zero/greenhouse gas footprint & planning | Green initiatives ROI            | Key Controls                             | Data quality and management                | Climate assessment scorecard           | Segmentation & assessment               | Diversity, equity and inclusion metrics | Gender diversity & pay                 | Policy implementation                   | Policy monitoring                       |
|                      | Disclosure data requirements                 | ESG scores and indices           | Regulatory disclosures and reporting     | Greenwashing mitigation and substantiation | Trade/order controls                   | Customer satisfaction                   | Demographics reporting & forecasting    | Employee engagement index              | Policy audit                            | Employee alignment                      |
|                      | ESG framework                                | Products and services assessment | Responding to auditors, media, investors | ESG screening                              | Supplier assessment/ scorecard         | Supplier planning and optimization      | Compensation and benefits analysis      | Future skills                          | Decision making alignment               | Investor communications and disclosures |
|                      | Product development                          | Benchmarking                     | ESG risk mitigation and remediation      | Risk planning and forecasting              | E2E supply chain simulation            | Recycling analytics                     | Training course analytics               | Recruitment analytics                  | KPI analysis & reporting                | Board controls & governance             |
|                      | Analyze ESG definitions/interpretations      | Cost of carbon capital           | ESG audit and traceability               | Transparency on sustainability drivers     | Green network logistics analysis       | Electric vehicles switchover assessment | ESG financing                           | Integration in finance decision making | Occupational health and safety analysis | Info sec/cyber & system availability    |
|                      | Business and operations segmentation         | ESG due diligence                | ESG data set compilation                 | Reconciliations and exception management   | Carrier selection                      |   | Integration in statutory reporting      | Integration in management reporting    | Corporate citizenship & philanthropy    | Anti-crime policy & measures            |
|                      | Reputational monitoring/sentiment analysis   | Waste, air & water pollution     | Data protection & privacy                |  |  |   |   |  |   |   |
|                      | Resource usage analytics                     | Extreme weather event impacts    |  |  |  |   |   |  |   |   |
|                      | Animal welfare                               | Clean energy forecasting         |  |  |  |   |   |  |   |   |

**DATA SOURCES/INTEGRATIONS**

# The ESG Bundle: 10 Designer Licenses, Alteryx workflow accelerators, services



## PwC + Alteryx



### **PwC is an authorized reseller of the Alteryx Platform with Accelerators.**

We can bundle together Alteryx licensing and Alteryx workflow accelerators for ESG into a single purchase. We are currently offering an ESG bundle of 10 Alteryx Designers, ESG consulting services, and Alteryx workflow for clients - contact PwC for more information.



**PwC has delivered ESG services on clients globally.** Over the last two years, PwC has been leading the way in helping organizations with both design and execution of their ESG strategy. Read more about how PwC is working in the ESG space [here](#).



**PwC was recognized as Alteryx's 2021 and 2022 Global Systems Integrator Partner of the Year** and is an authorized reseller for Alteryx



Read more here:

[PwC Alliance Website](#) [PwC ESG Services](#)



# Thank you

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