# Project Canary — Progress Summary

## Stage Completed: People Vector + Momentum Model + Dashboard

We have successfully built and deployed the first full stage of Project Canary — a system that detects early policy signals from public data sources. This stage integrates the People Vector, Policy Momentum scoring, and a live Streamlit dashboard.

## What We Did

- Built a data pipeline that ingests real public job postings (the People Vector).  
- Parsed 'keywords\_detected' to extract policy-related signals such as 'epa', 'energy', 'regulatory', and 'compliance'.  
- Computed normalized frequency scores for each keyword (0–1 scale).  
- Implemented the Policy Momentum Score (currently using People Vector only).  
- Generated analysis outputs (momentum\_scores.csv) and a Streamlit visualization dashboard.

## How to Reproduce Locally

1️⃣ Install dependencies:  
 pip install pandas scikit-learn streamlit altair  
  
2️⃣ Run the model:  
 python3 project\_canary/analysis/momentum/momentum\_model.py  
  
3️⃣ Launch the dashboard:  
 streamlit run project\_canary/analysis/momentum/momentum\_dashboard.py  
  
The dashboard opens automatically at http://localhost:8501.

## How to Push to GitHub

git add project\_canary/analysis/momentum/momentum\_model.py project\_canary/analysis/momentum/momentum\_dashboard.py data/momentum/momentum\_scores.csv  
git commit -m 'Add People Vector momentum model + Streamlit dashboard'  
git push origin main

## Current Project Status

✅ People Vector acquisition — complete  
✅ Momentum model — operational  
✅ Dashboard visualization — live  
⏳ Next: integrate Money (lobbying/grants) and Paper (FERC/PUC filings) vectors  
🔮 Future: add temporal trend analysis to visualize momentum shifts over time