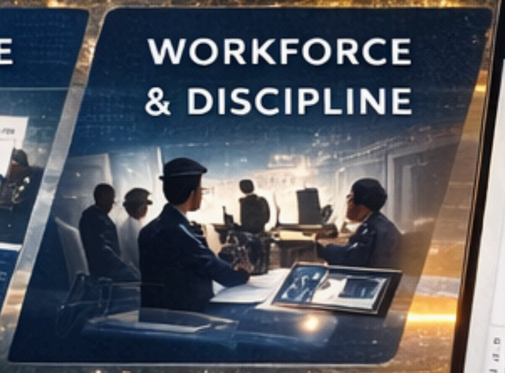
OPRA

Office of Policing Reform & Accountability

PATH: Modernizing Police Transparency

DATA • ACCOUNTABILITY • COMMUNITY TRUST



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A CITY OF HOUSTON INITIATIVE

https://www.houstontx.gov/opra/

What is PATH?

Policing Analytics & Transparency HUB

- **A unified,** interactive reporting platform
- **Real-time** and scheduled data updates
- **Enhanced** filtering and drill-down capabilities
- **Cross-dataset** analytics (Stops, Force, Discipline, Diversity)

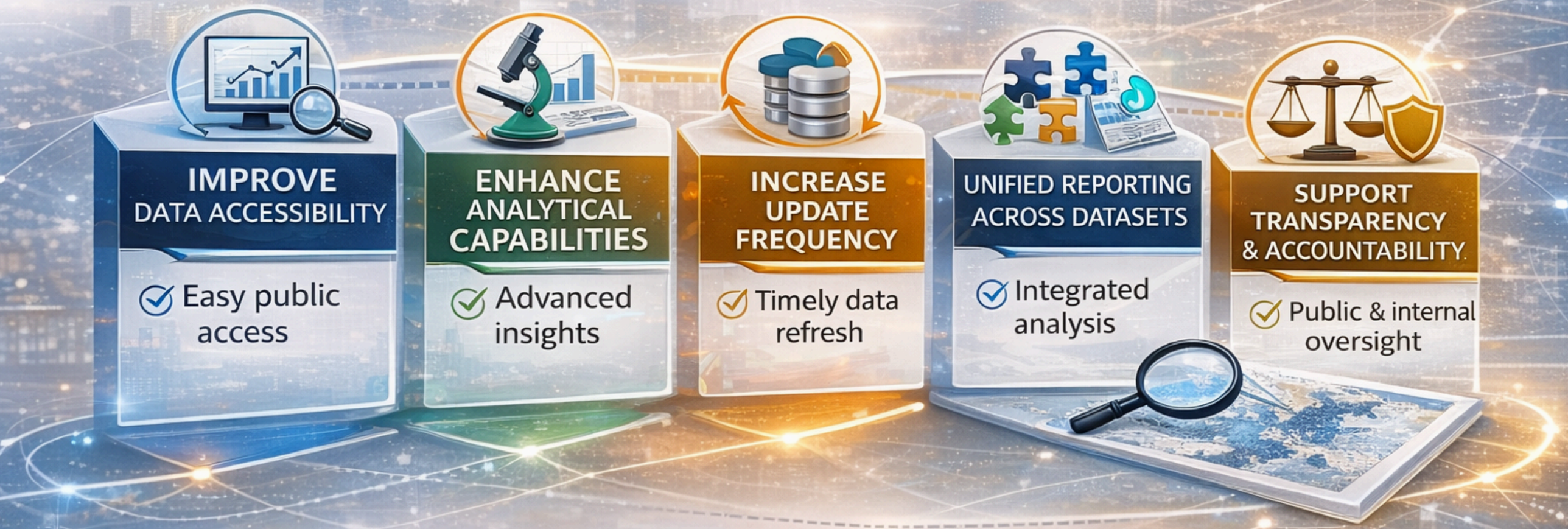
PATH is designed to **modernize** how transparency data is accessed, analyzed, and understood.

The Legacy Police Transparency HUB (ArcGIS)

- Multiple separate dashboard pages
- Static or semi-static visualizations
- Limited cross-dashboard interaction
- Map-centered reporting structure

The Legacy HUB provided public visibility but limited integrated analysis.

Why was PATH developed?



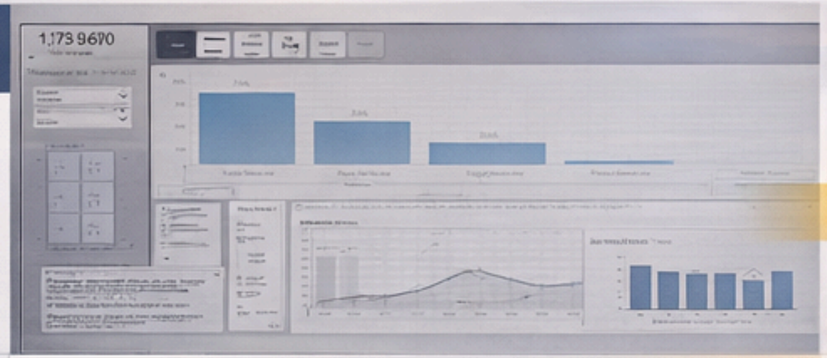
The transition reflects a modernization effort to move from static reporting to dynamic analysis.

How is PATH working today?

- ✓ Dynamic Filtering across multiple data elements
- ✓ Drill-down capability (year → category → incident type)
- ✓ Cross-visual filtering (clicking one chart updates all others)
- ✓ Multi-Year Trend Visualization
- ✓ Automated Scheduled Data Refreshes
- ✓ Improved performance and responsiveness

Modernizing Police Transparency: HUB to PATH

Enhancing transparency, usability, and oversight capability

Feature	Police Transparency HUB ArcGIS™	PATH Power BI
Platform Architecture		
Data Visualization	Map-focused publishing environment	Unified analytics and reporting environment
	Static charts and maps	Interactive dashboards with drill-down capability
Filtering & Analysis	Dashboard-specific filtering	Cross-dashboard filtering and comparative analysis
	Manual or periodic updates	Automated, scheduled data refresh capability
	Limited longitudinal analysis	Multi-year dynamic trend visualization
Decision Support	Datasets displayed separately	Linked datasets within a single analytic framework
	Snapshot-based reporting	Governance-ready analytics supporting oversight

Data Integration in PATH

Integrates multiple transparency datasets:

- Crime Data
- Traffic Stops
- Use of Force
- Type of Force
- Disciplinary Actions
- Workforce Diversity

This allows for improved analysis across categories:

Demographics and enforcement

Years of service and incidents

Discipline patterns over time

How PATH supports transparency?

Filter by Time, Category & Demographics

Allowing public users to filter down by specific time periods, incident categories, and demographic factors

Download

Consistent Definitions

Providing unified and consistent data definitions across dashboards

Downloable Data

Downloadable Data

Allowing users to download datasets for deeper analysis where configured

Potential Enhancements to PATH

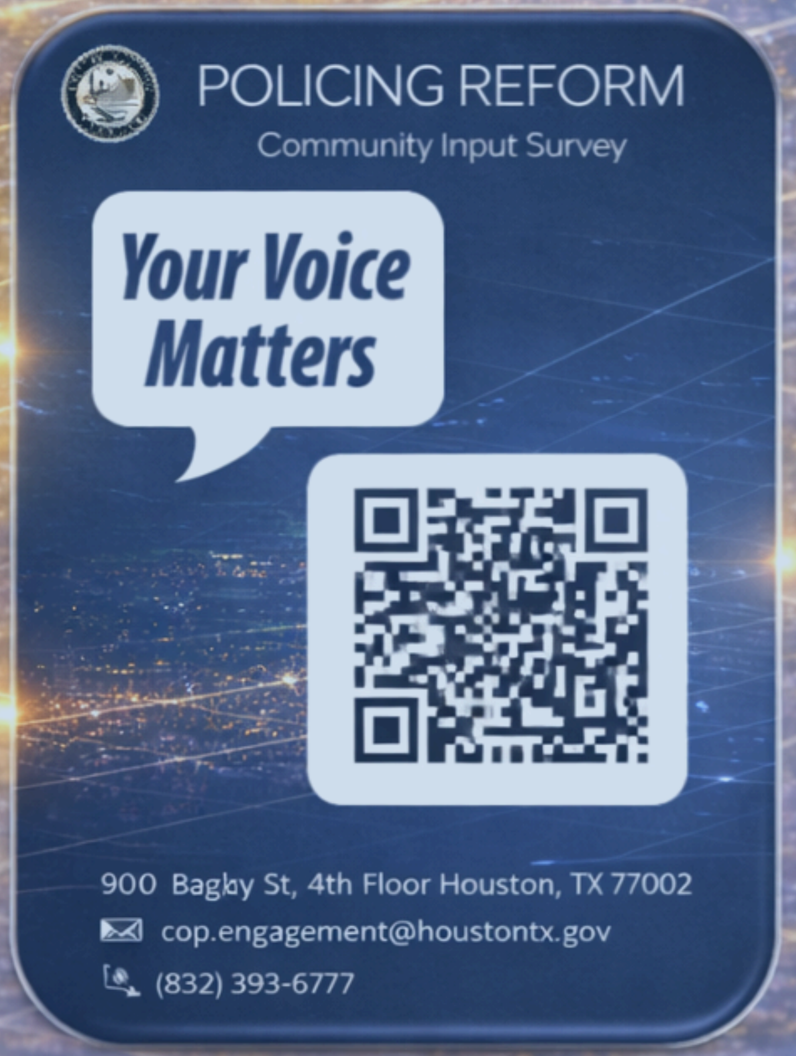
- Expanded Dataset Integration
- Additional Analytical Tools
- Enhanced Metadata & Data Definitions
- Expanded Data Download
- Public Usability Features

Our Vision

PATH moves transparency from:

Static Reporting → Dynamic Accountability

- ✓ Collaborative public safety
- ✓ Equitable analysis
- ✓ Proactive governance
- ✓ Data-driven decision making



Turning Insight into Impact

- **Actionable** Operational Insights
- **Continuous Policy** Performance Monitoring
- **Multi-Year Trend** Intelligence
- **Data-Driven** Resource Allocation

Transparency evolves from **visibility** to **measurable performance** and **accountability**.

Thank you!

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