Improving access to development data in Calvert County, Maryland

Erick Pate, GIS Administrator
Department of Technology Services
pateed@co.cal.md.us | 410-535-1600 ext. 2611
Where is Calvert County, Maryland?

- Maryland’s smallest county (area), 213 sq.miles
- 30 miles SE of Washington D.C.
- Population = 92,000
- 3 full-time GIS staff
Technology Stack Used In This Project

- ArcGIS for Server 10.3
- GeoCortex Essentials 4.6.1/HTML5 Viewer 2.7.2
- Infor Public Sector 8.5
- MS SQL Server 2012
- Virtualized environment Windows Server 2012R2
• Existing portal was not user-friendly
• Required log-in (problematic)
• Did not allow for browsing/casual use
• Development data ‘locked away’ in enterprise system
Project Stakeholders

- Development Community
- Organizational Leadership
- Citizens
- Staff
Requirements / Solution

- Easy to use
- Mobile-friendly
- Updated Daily
- No-login required
- Mapcentric (my requirement)
- No cost (other than staff time)
Technical Solution

Infor Production Environment
- SQL Views
  - Permit
  - Reviews
  - Conditions
  - Inspections

GIS Environment
- GIS /Web Server
  - Geo-Processing
  - GDB Feature Class

GIS /SQL Server

End User Environment
- Web App

Calvert County
Established 1873
Web Application - User Interface

MyCALVERTMAP ADVANCED

Search Bar

Map Key - Permit Types
- Acc. Apartment
- Comm. Acc. Structure
- Comm. Addition
- Comm. Improvements
- Comm. Structure
- Demolition of Structure
- EH Well/Water Sample
- EH Sanitary Construction
- Electrical
- Grading
- Home Occupation
- Multi-Family Dwelling
- Plumbing/Gas
- Residential Accessory
- Residential Addition
- Residential Improvements
- Sign
- Single-Family Dwelling
- Use & Occupancy
- Use W/O Modification
- Water Sewer

Home,

Layers

Streets an.

500

0 200 400 ft

Department of Technology Services | Department of Technology Services
Web Application - User Interface
Web Application- User Interface

Standard Searches
User Interface

Live Demo
Challenges

• Scope Creep
• Data Quality
  – Valid addresses
  – Project name
  – Comments
• Number of Active Building Permits (17k)
• Privacy Questions
Future plans

- Add Project and Planning to the Development Activity Map
- Long-range: migrate to vendor’s integrated citizen-centric portal
Thanks for your attention. Questions/comments?

Erick Pate, GIS Administrator
Calvert County Department of Technology Services

Erick.Pate@calvertcountymd.gov | 410-535-1600 x 2611