

## Local Government Use Cases – Northern Virginia Local Governments

### Use Case #1 – Data Repository & Library

Description: The local governments could maintain up to date copies of their key data sets. (Key would be defined both by the local government and regionally, by other jurisdictions that might need the data from their neighbor

#### Detail:

Security would need to be involved to cover any data sets with restrictions on distribution.

This would require that the data be stored in a manner that would enable easy retrieval of just the selected data. Thus actually loading the data to a GIS data warehouse might be the best approach.

A goal would be to build seamless data for the region so that key GIS data does not have to stop at a jurisdiction's border.

An indexing scheme should be available for discovery of data sets.

#### Benefits:

Having local data instantly available will simplify data distribution across jurisdictions since they would only have to post the data to the clearinghouse. The clearinghouse would then provide the data to others who request it.

### Use Case #2

#### GIS Data Services Hub

#### Description:

The repository would provide secure web data services in emergency situations to support common operating data (and pictures) for emergency personnel

#### Detail:

The system would need to provide access control. Security should conform with that being adopted by COG for its regional Data Exchange.

The data and the services should be in a standard XML format that is consumable by viewers such as VIPER

The services should have high availability – preferably in the high 90% category, ideally with redundancy.

The system should provide audit capability to monitor usage and usage statistics and identity.

The indexing scheme of the Repository should also include services.

#### Benefits

- Local jurisdictions that did not want to provide 24x7 services could publish their data to the repository and avoid having to add additional servers and potential staffing to ensure availability.
- Even jurisdictions who are considering hosting their own services might choose to take advantage of the central hosting
- The system would have to have connectivity to the NCR Net to ensure security and more reliable data communications connections in an emergency.