BLUEWATER REGION
A SHARED COMMUNITY
Who Are We?
Our Border Represents *Trillions* of Dollars to Nation’s Economy!
Blue Water Bridge Hazardous Materials Crossing for Midwest

- The #1 entry point for carriers of hazardous, radioactive and flammable materials between Michigan and Canada

- The #2 entry point in the United States for hazardous materials imports
- The #2 busiest northern border crossing in America
- The #3 entry point for the entire North American continent
- Crossing for 4,800 commercial trucks and 12,000 passenger vehicles daily and 5.8 million commercial and passenger vehicles annually
CN Rail Tunnel

- The new CN International Rail Tunnel was built in 1995.
- In 2004 Port Huron at $22 billion is the #1 rail port in North America
- The Tunnel accommodates all double stacked containers & multi-level automotive carriers at a height of 8.4 meters.
- The new tunnel cuts transit time by up to 24 hours to the mid-western U.S.
- The CN rail yard in Sarnia is the largest rail yard handling dangerous goods in the Great Lakes Region.
- The CN rail yard is also considered the second largest “international” rail yard in Canada carrying more freight than any other U.S. – Canada border rail crossing.
The Chemical Valley extends across the municipal boundaries of the City of Sarnia & the Township of St. Clair representing one of the largest grouping of petro-chemical industries and refineries in Canada.

There are over 55 members of the Chemical Valley Emergency Coordinating organization with 25 consider major chemical Plants.

These industries, pipelines, and transportation corridors account for 40% of the chemicals in Canada which represents 80% of the chemicals in Ontario.

Industries Include:

- Air Products
- BP Canada
- Basell Canada
- Cabot Canada
- Dow Chemicals
- ENOS
- H.C. Starke
- Invista
- Imperial Oil
- LanXess
- Nova Chemicals (4 Sites)
- Praxair (2 Sites)
- Shell Canada
- Suncor
- Terra Nitrogen

Market potential in excess of $160 Billion by 2010
Pipelines

- Approximately 30 pipelines connect the U.S. and Canada beneath the St. Clair River.
- They carry a product value greater than $2.1 Billion (2004).
- These pipes range in diameter from 6 to 48 inches.
- It has been estimated that 12 additional bridges would be required if this product were to be transported by truck.
Water

There are 12 water filtration plants within the Blue Water region. The largest provides potable water to 1.1 million users in the City of Detroit Water System.

In addition to this there are numerous Industrial water intake areas.
DHS designates St. Clair County as Virtual City pilot site

Program to deploy GIS technology to improve public safety
VITAL INFRASTRUCTURE TEAM

Nine Person Team
- Fire
- Law Enforcement

Coordinated through the Homeland Security – Emergency Management Office
TRAINING

- Initial training was from Michigan State University and Michigan State Police
- Spent a week with LAPD and Port Authority
- Three day DHS Risk Assessment Course
- Piloted the IRVS IPad software
BENEFITS

- Initial assessments were taking up to 20 hours to do site visit and return brief out to facility management
- IRVS now allows for the entire process
- Operating on a NDA between County and facility
- Follow up survey conducted with facility
Sites

- Water and Waste Water facilities
- Critical Tel-com facilities
- Hospitals
- Other Key Infrastructure
- Schools (needs refinement)
- Energy facilities
QUESTIONS?

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