

HOW CAN YOUR COMMUNITY USE A HAZMAT COMMODITY FLOW STUDY?

Reduce uncertainty about what HazMat is transported:



- ✓ HazMat IDs (class, placard, and/or material ID)
- ✓ Toxicity and reactivity

Identify where, when, and how hazards are present:



- ✓ Road, rail, pipeline, and water
- ✓ Locations and times (traffic)
- ✓ Mechanisms (vehicles, tanks)

Inform risk and vulnerability assessments for facilities, populations, & locations:



- ✓ Proximity of HazMat transport routes to critical facilities, special needs and general populations, and environmentally sensitive areas
- ✓ Previous locations of serious HazMat transport incidents
- ✓ Transportation network maps, including pipelines

Prevent, protect, respond, and recover from hazmat incidents:



- ✓ Define scenarios for incident pre-planning, training, and exercises.
- ✓ Conduct emergency planning for public safety requirements; warning, shelter, or evacuation protocols; potential casualties; property, business, and financial losses; transportation delays; environmental harm; and community disruptions due to HazMat transportation incidents and response strategies.
- ✓ Identify equipment needs including PPE; equipment and supplies for chemical detection; confinement and containment; neutralization, extinguishing, and dilution; and decontamination and cleanup.
- ✓ Locate, staff, and equip HazMat teams and caches.
- ✓ Collect information for designating HazMat routes.



Create opportunities:



- ✓ Improve emergency plans. Support development of and updates to your EOP and chemical hazards plans. Provide information for hazard-specific annexes, ESF or functional annexes, and the basic plan.
- ✓ Document budget needs and grant funding requests.
- ✓ Raise awareness of elected and agency officials, and the public about potential HazMat transportation risks and vulnerabilities.
- ✓ Use information for transportation, land use, development, and other comprehensive planning applications.
- ✓ Involve your community through participation of your LEPC, local agencies, CERT, and other volunteers.

