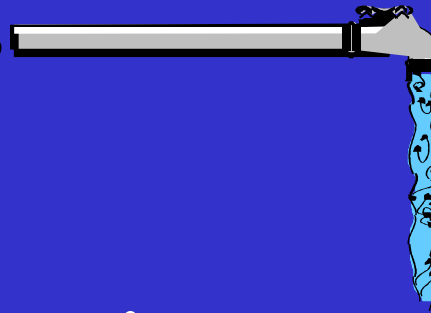


VHS Sector

Water Supply Systems



Emergency Services

(Fire, Police, Emergency Medical)

Government Services

(Federal, State, Local)



Vital Human Services Sector

President's Commission on Critical Infrastructure Protection

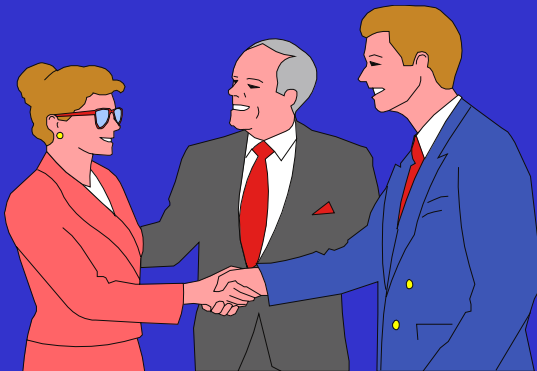


VHS – Information Sources



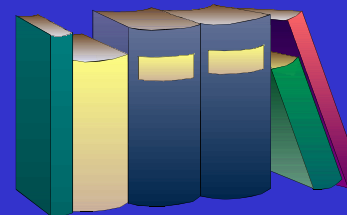
Contracts

Workshops



**Interviews /
Site Visits**

Literature



Vital Human Services Sector

President's Commission on Critical Infrastructure Protection





VHS – Contracts

- ◆ University of Virginia - water
- ◆ University of Michigan - water, scada, international
- ◆ Argonne National Lab - emergency service in NYC
- ◆ Argonne - Illinois Institute of Technology (IITRI) - water contamination
- ◆ International Association Fire Chiefs
- ◆ National Emergency Management Association (NEMA)



VHS – Workshops



- ◆ APWA Hosted, PCCIP Chaired
- ◆ Five Cities:
 - Washington
 - Oakland
 - Kansas City
 - Tampa
 - Houston
- ◆ Nearby Communities
- ◆ All Sectors

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VHS – Interviews / Site Visits

Federal Government

EPA CIA FCC
USGS FBI NTIA
DOD C.ENG NIST
FEMA ...

Owners / Operators

MET W.D.S.C
Charlottesville
San Diego W.C.
NYC
W.S. Participants ...

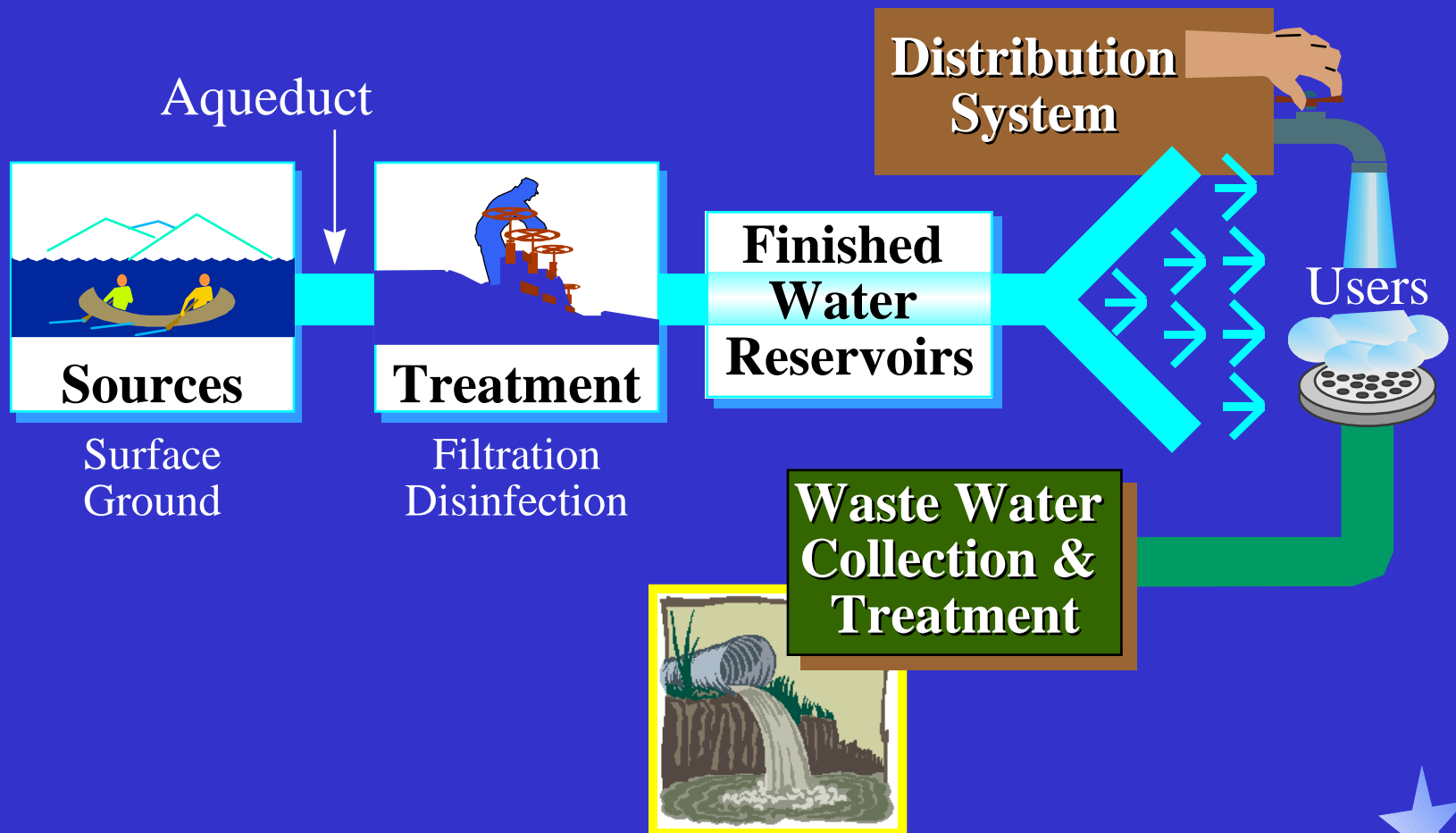
State & Local

NJ CA FL NYC
MD GA KA LA
MI MA MO CHI
MN NY VA BOS
TX DC ...

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Water Supply System

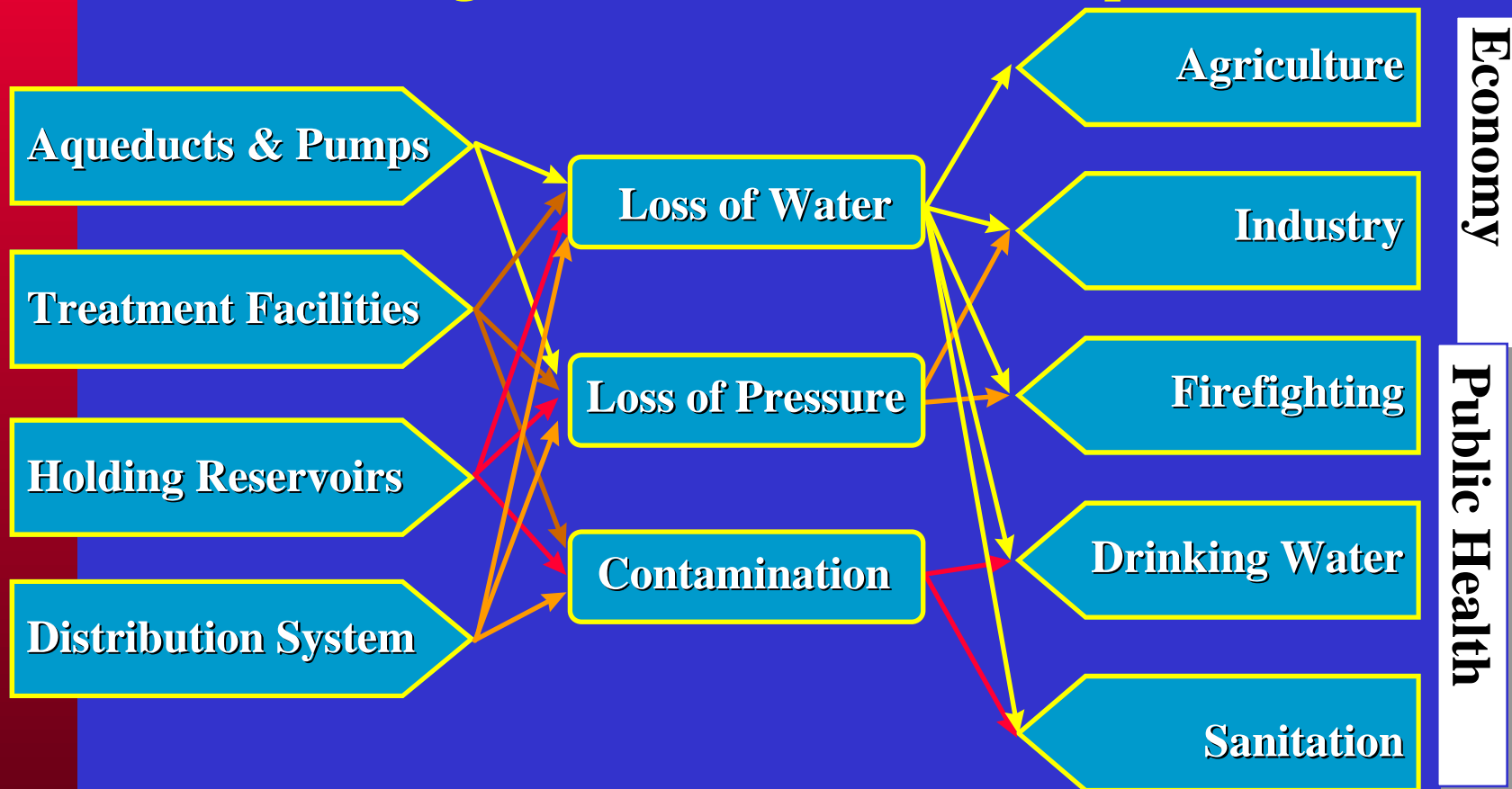


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Water Supply

Target → Effect → Impact



Vital Human Services Sector



Water Supply Systems

Major vulnerability

- ◆ Contamination — chemical, biological

Actions

- ◆ R&D program — federal and industry
- ◆ Enhanced security programs

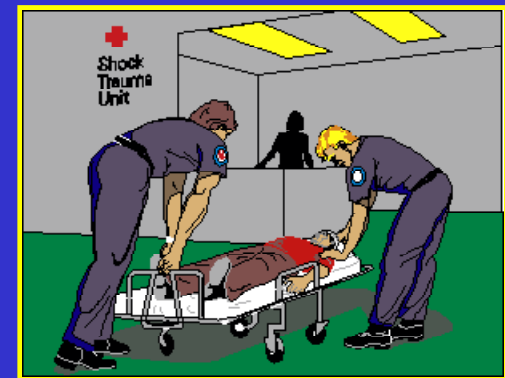


Emergency Services

POLICE



EMERGENCY MEDICAL



FIRE

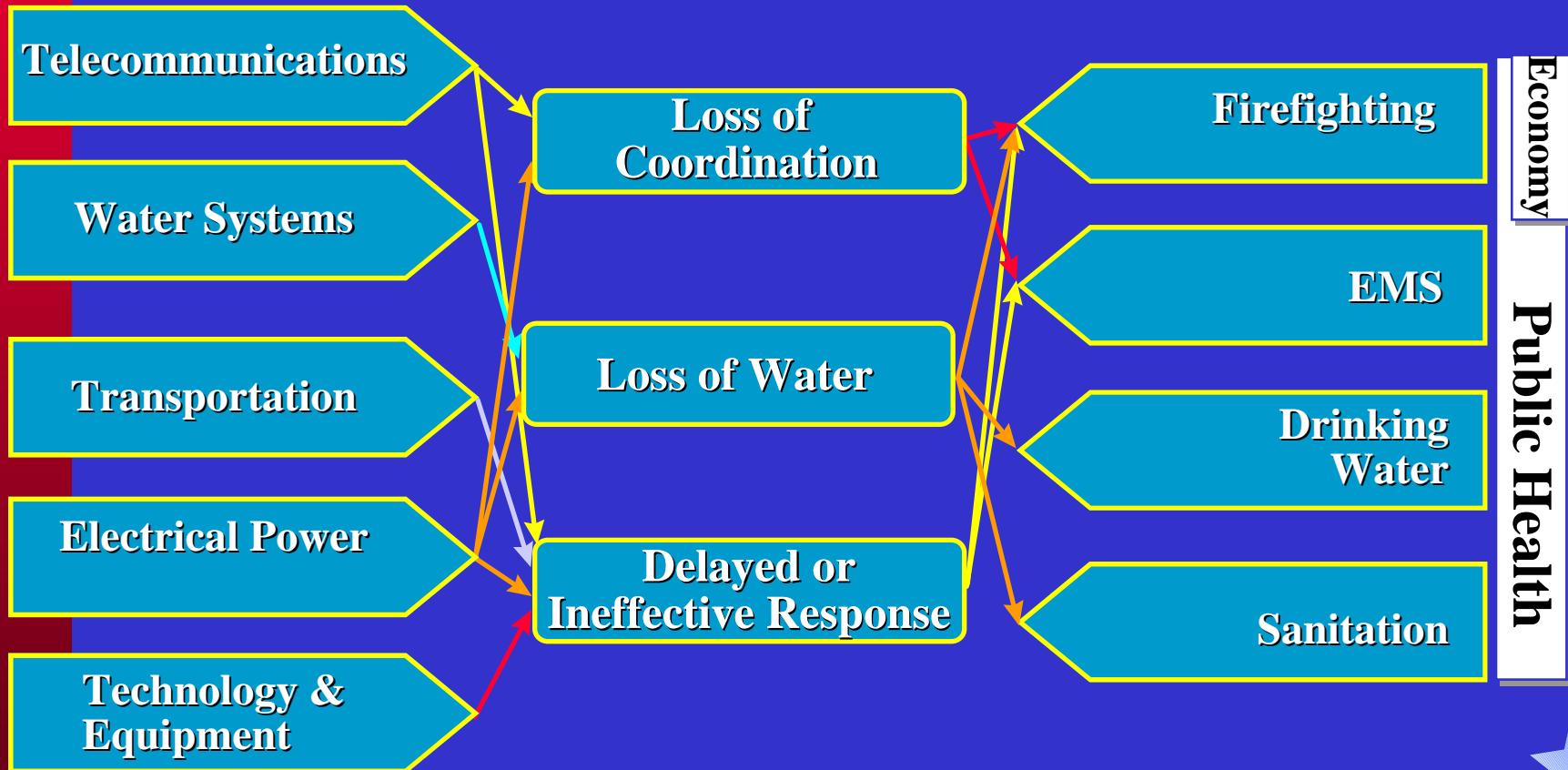
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Emergency Services

Target → Effect → Impact



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Emergency Services

Major vulnerabilities

- ◆ Chem / bio incidents
- ◆ Communications

Actions

- ◆ Training, equipment, coordination
- ◆ Support Public Service Wireless Advisory Committee, National Public Service Telecommunications Committee, etc.
- ◆ National Telecommunication and Information Administration to represent state and local interests

Vital Human Services Sector



Government Services

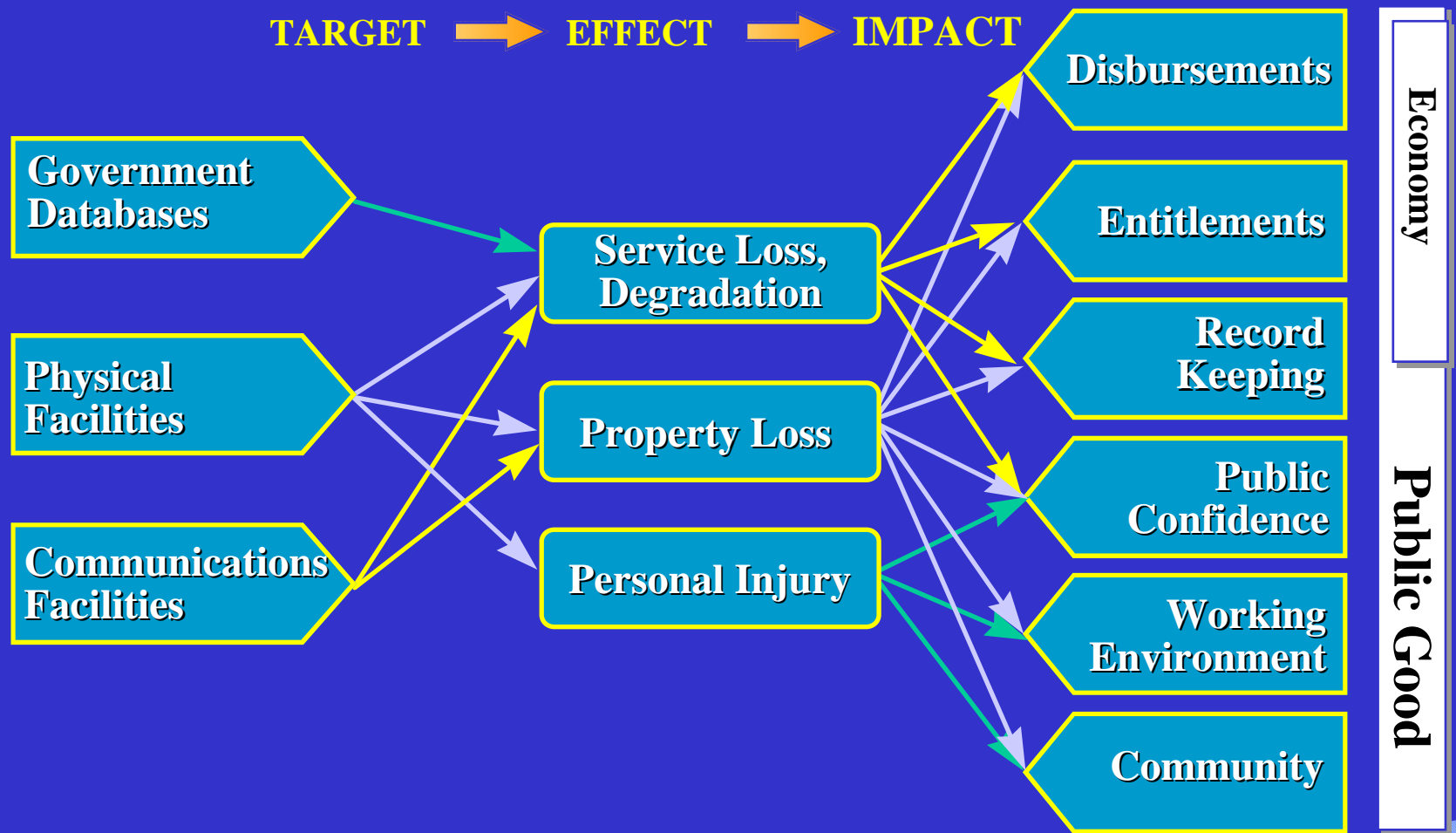
- ◆ National Weather Service
- ◆ Immigration & Naturalization Service
- ◆ Centers for Disease Control
- ◆ Social Security
- ◆ Public Health Service
- ◆ State & Local Payments Services
- ◆ Public Works

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Government Services



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Government Services

Major vulnerabilities

- ◆ Computer & information security

Actions

- ◆ Strengthen policy, technical assistance, enforcement

