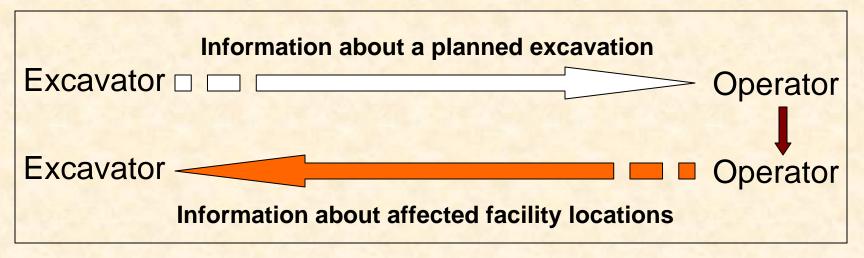
Virginia Pilot Project for One-Call Location Technology



Jeff Wiese
Program Development Director
Pipeline and Hazardous Materials Safety Administration
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Damage Prevention Requires Effective Communication

- Effective damage prevention programs are necessary
- Damage prevention is a shared responsibility
- Requisite is the exchange of <u>accurate and timely</u> information about planned excavations and affected facilities



 Excavator must take care not to damage the facilities during excavation.

VA Pilot for One-Call Location Technology

- Purpose is to identify and test available technology to enhance the communication process
- Utilizing GPS and enhanced geo-coding of maps



- Motivated by pipeline operator request to reduce 'overnotification' – i.e., the number of tickets that don't actually involve the operator's facilities
- Fewer tickets = more time available to increase locate accuracy, focus on affected facilities and decrease potential damages

VA Pilot for One-Call Location Technology

Excavator – determines dig site GPS coordinates and communicates to one-call center via Internet ticket request

One-call center – processes ticket request information, identifies affected facility operators and issues locate tickets

Operator/locator – receives locate ticket, performs locate using GPS coordinates and marks facility locations

Excavator – receives positive response via PC or phone and begins digging in designated area

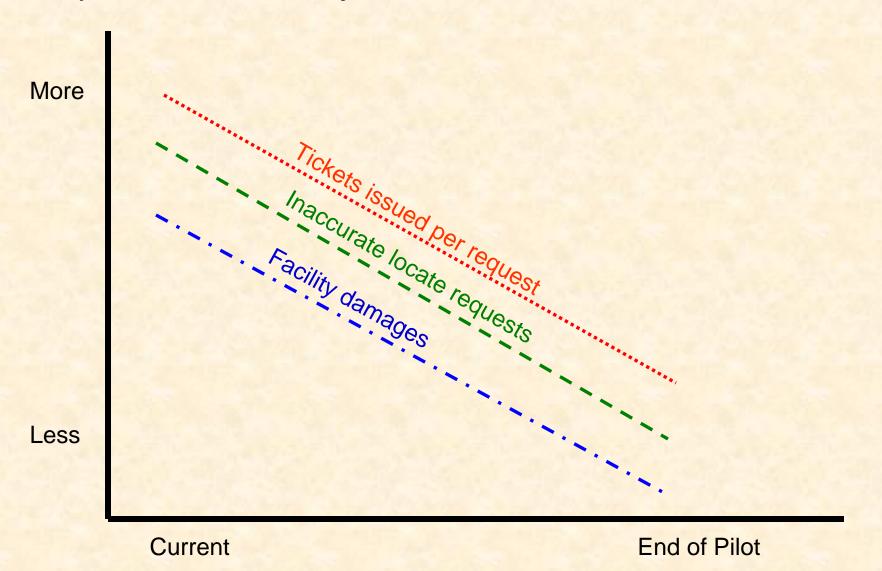
One-call center – receives and records locate information and transmits positive response to excavator via PC or phone

Operator/locator - notifies one-call center using mobile computer technology.

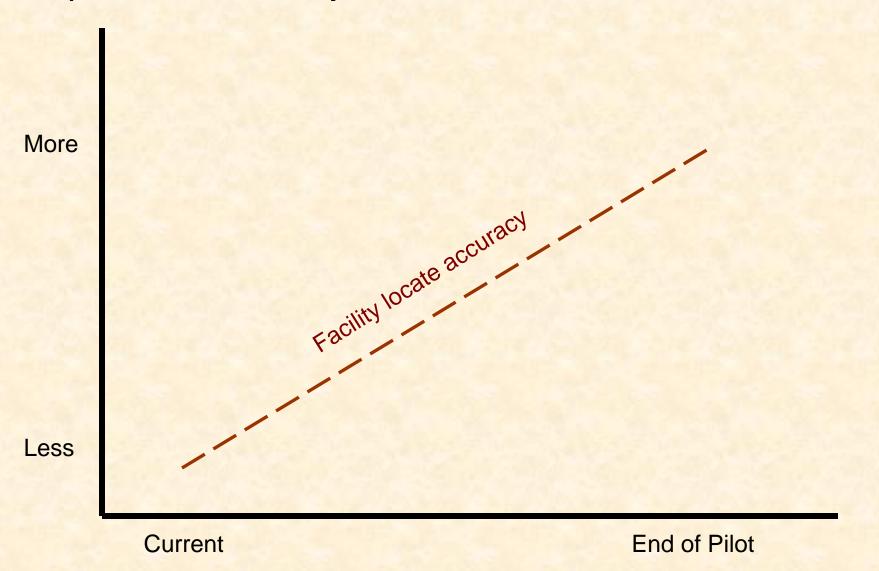
Provides positive response codes and copy of field manifest

VA Pilot for One-Call Location Technology

Expected Pilot Project Performance Results Trends



VA Pilot for One-Call Location Technology Expected Pilot Project Performance Results Trends



Pilot Project Participants

- > PHMSA
- > PRCI
- > CGA
- > VA SCC
- > VUPS
- Operators
- Locators
- Excavators

Pilot Project Tasks and Timeline

- ☐ Select pilot areas
- ☐ Coordinate with affected participants
- ☐ Identify equipment needs and procure equipment
- ☐ Run pilot, gather and analyze data
- ☐ Draft project report
- ☐ Project duration 12 18 months

Pilot Project Deliverables

- ☐ Cost/benefit analyses of pilot approach
- ☐ Pilot project performance review
- ☐ Best practice recommendations for technologies and processes
- ☐ Determination if additional pilot of 'e.dig' site would be beneficial