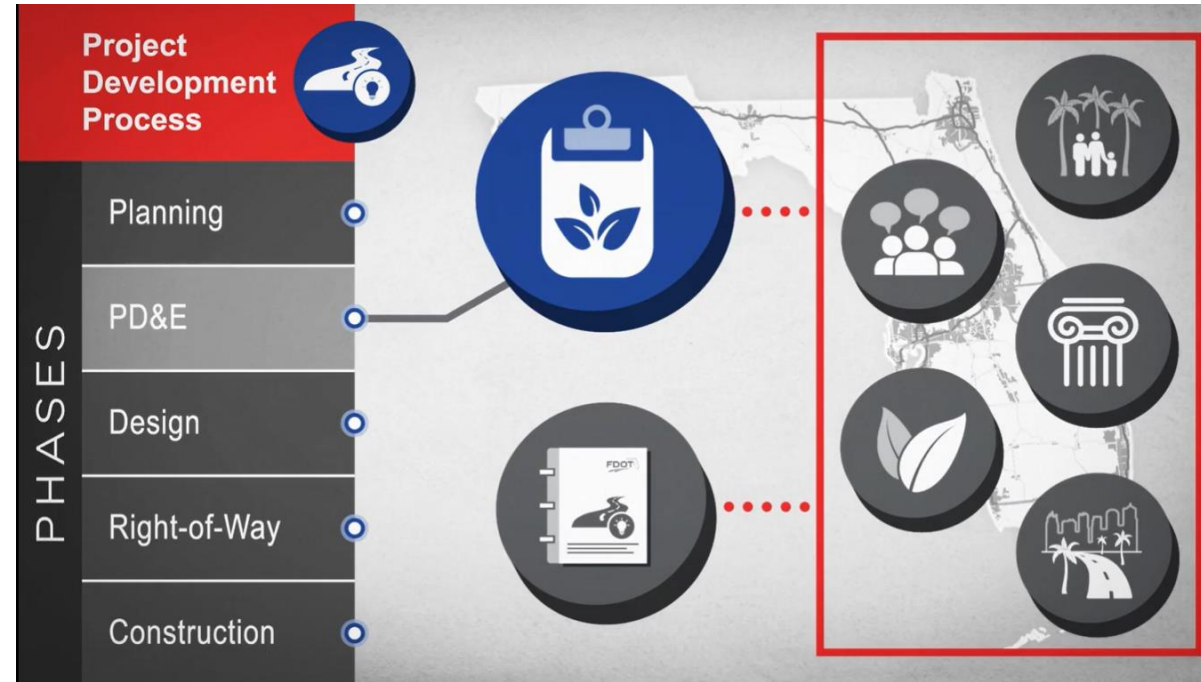


Environmental Training for Florida Turnpike Enterprise

Sociocultural Effect Evaluations



August 2020

The environmental review, consultation, and other actions required by applicable federal environmental laws described in this training are carried out by FDOT pursuant to 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 executed by FHWA and FDOT.

SCE Evaluation



Examining human
environments



Assessing potential
project effects including
Civil Rights implications



Involving affected
communities



Attention to community
values and concerns

*SCE Evaluation Considers
Both Current & Past Actions*

*Informs
future
phases*

Potential project effects

Community characteristics

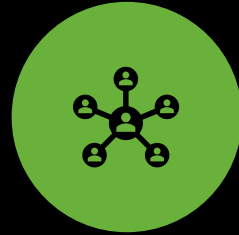
Opportunities

Solutions

Further investigation

Decision making

6 SCE Issues (SELMAR)



S- SOCIAL



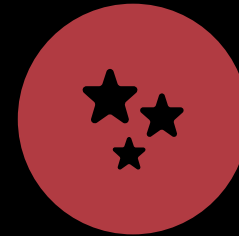
E- ECONOMIC



L- LAND USE



M- MOBILITY



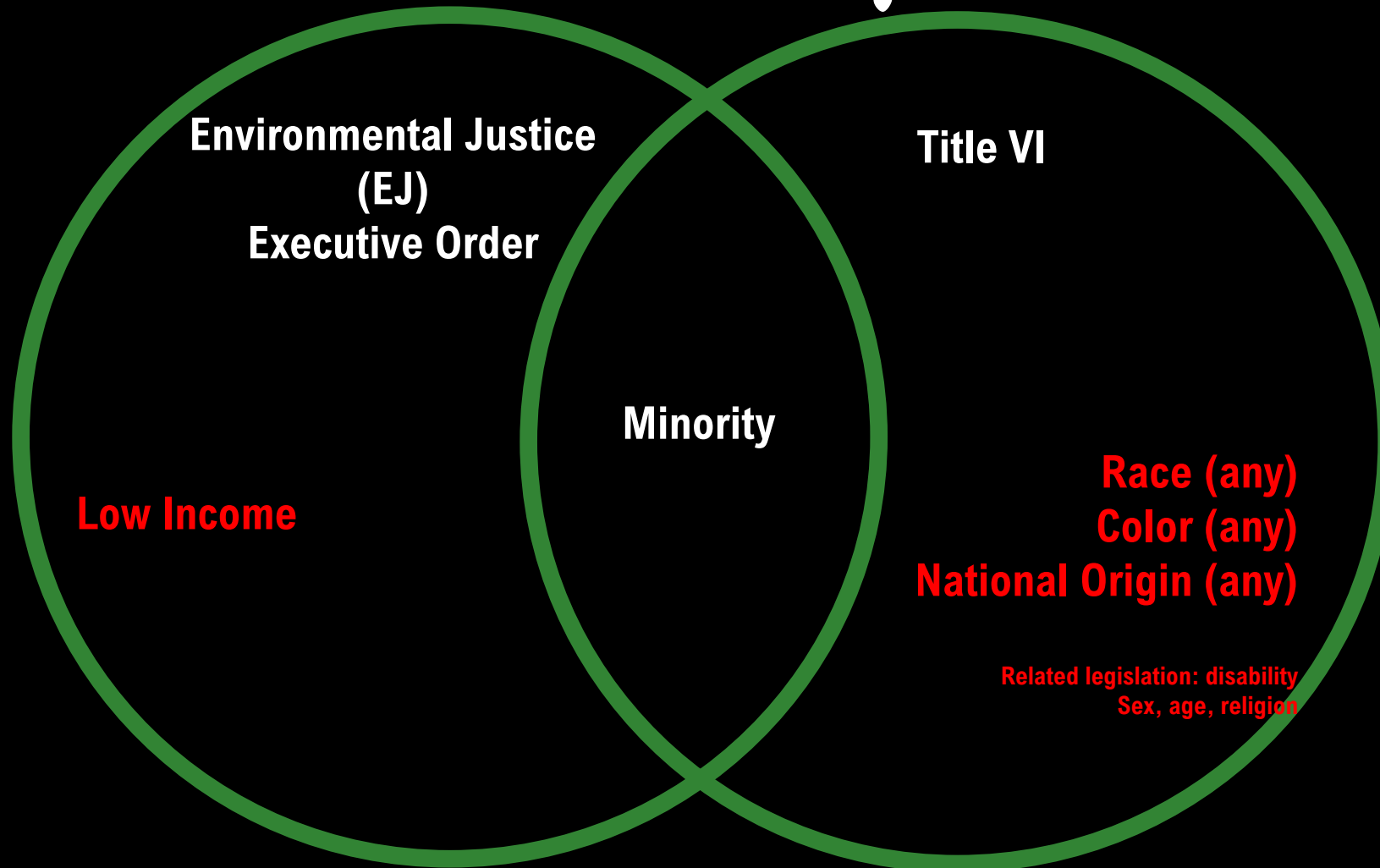
A- AESTHETIC
EFFECTS



R- RELOCATION
POTENTIAL

Who is out there?

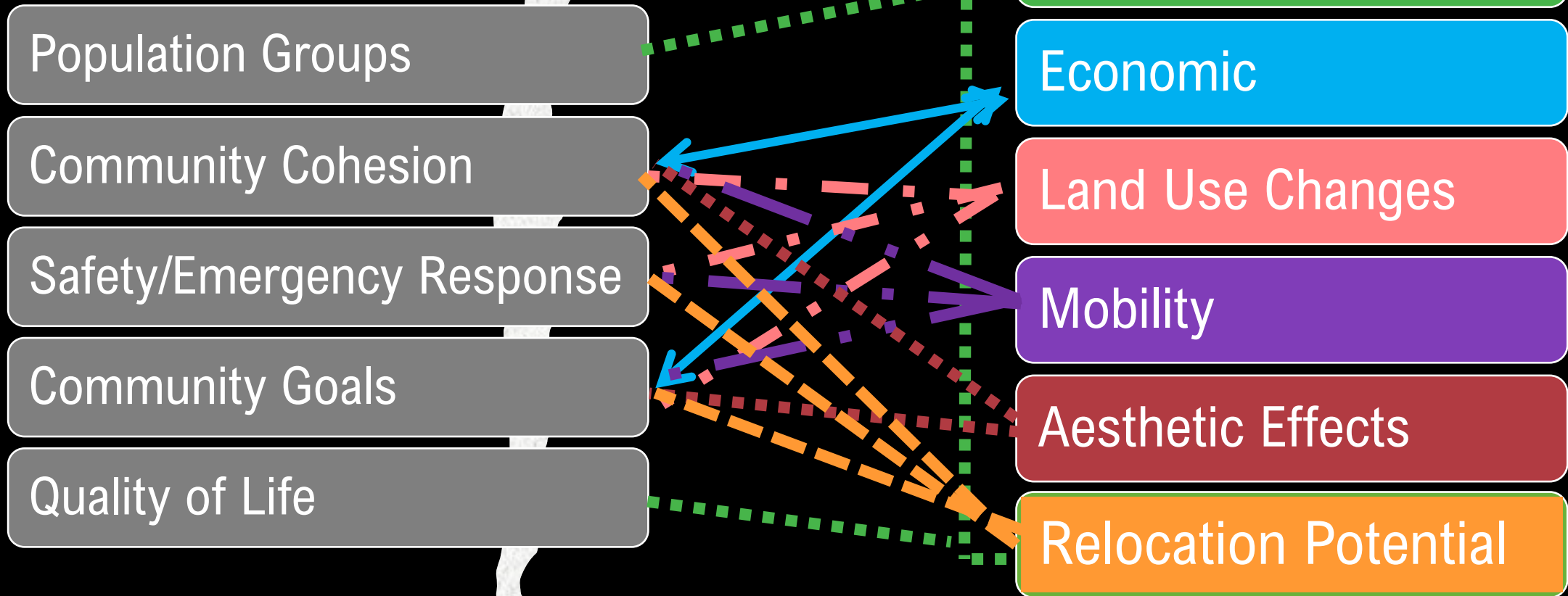
Attention to Vulnerable Populations



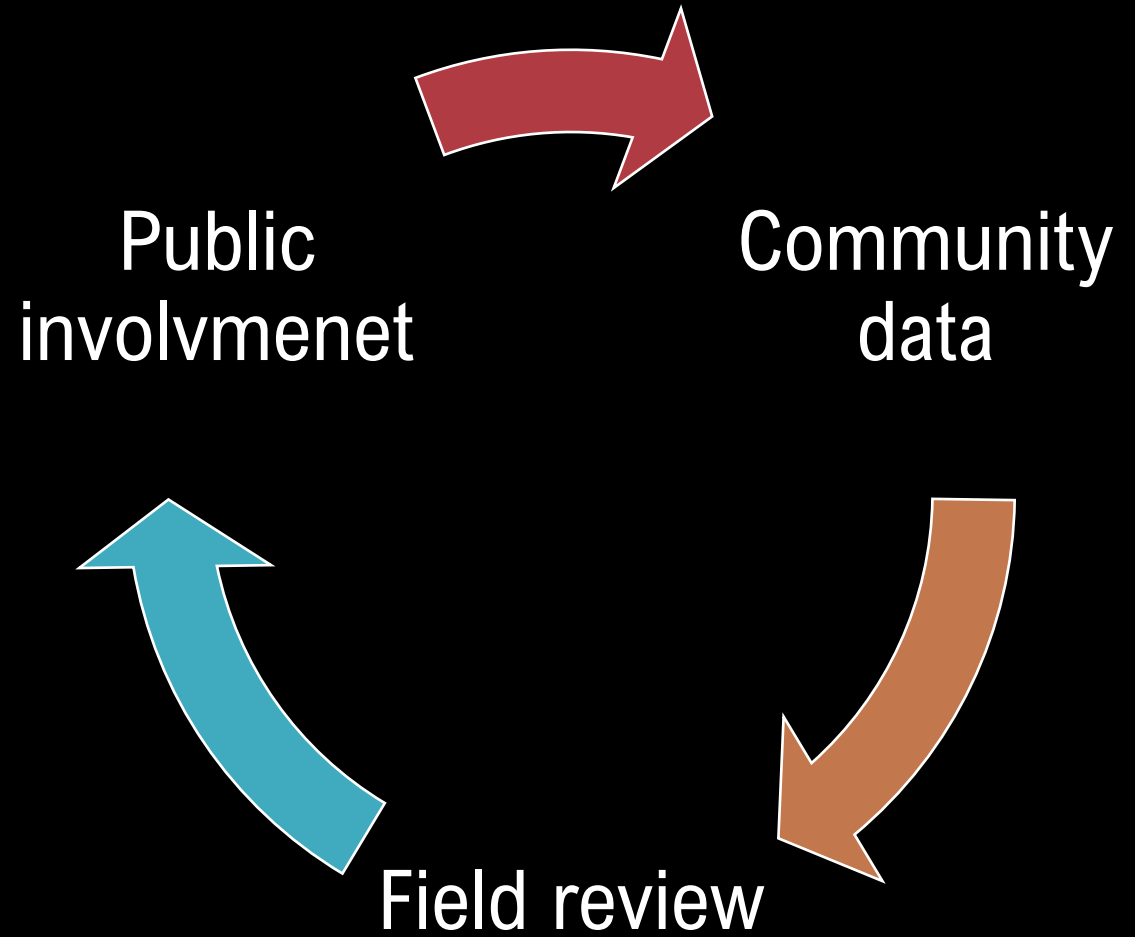
Includes EJ Analysis

- Who is out there and where?
- What is the adverse effect footprint, if any?
- How is the adverse effect distributed among who's there?
- If disproportionate, how severe is the adverse effect?
- Can the disproportionately high and adverse effect be resolved?
- What are the conclusions?

Issues are often interrelated



Get the
whole
picture



SCE Evaluation Toolkit

Environmental
Screening Tool

US Census
Bureau Products

Local
Government
Plans

Social Issue

- Population Groups
- Community Cohesion
- Safety and Emergency Response
- Community Goals
- Quality of life





Demographic Snapshot

- Total population
- Race & ethnicity
- Age
- Educational attainment
- Disability status
- English proficiency
- Languages spoken
- Income & poverty
- Vehicle availability
- Housing types and value

*Social
creatures need
social
environments*

...

*...and quality
connections
between*



HOME



NEIGHBORHOOD



GATHER PLACE

Economic Issues

- Commerce
- Tax base
- Employment
- Social economic generators





Ways transportation influence economic development

- Transportation costs
- Business market reach
- Job access
- Personal travel costs
- Quality of place

Land Use Changes

- Landscape character
- Recreation & open space
- Growth & development policies
- Adopted land use plans





Land Use Changes Occur Over Time

- Accessibility
- Land Values
- Development Investments
- Population & Employment
- Tax Revenues



Mobility Issue

- Mobility choices
- Connectivity
- Traffic circulation
- Public parking
- Transportation for disadvantaged

Mobility

- The ability of people to make trips to satisfy their needs or desires by any combination of modes of transportation

Accessibility

- An area-wide measure of the ease of travel between locations within a defined geographic area

Accessibility Factors

- Connectivity & Continuity
- Mobility choices
- Physical abilities
- Land use pattern & urban design
- Quality and affordability





Aesthetic Effect Issues

- Noise
- Vibration
- Visual compatibility
- Scenic vistas and viewsheds
- Community focal points
- Local aesthetic values
- Project feature compatibility

Elements of Aesthetic Character

Buildings

Bridges

Landscaping

Outdoor lighting

Natural features

Pavement
material

Ponds/swales

Public art

Screening

Sunlight/shadow

Topography

Urban design
features

Vistas/views

Ambient noise

Air quality



Relocation Potential Issue

- Residential Issues
- Non-residential issues
- Community & institutional uses
- Unique & special facilities

6 Steps



Step 1- Review Project Information

- Project information
- Database context data
- Prior public input
- Prior agency input
- Field review
- Community outreach



Step 2- Define Study Area

- Prior SCE evaluations
- Project characteristics
- Context information
- Effects potential

*Step 3-
Prepare
Community
Information*

Demographics

Community boundaries

Important resources

Community history & trends

Community goals & values

Step 4- Evaluate Sociocultural Effects

- Identify resources and level of importance
 - Project information
 - Demographic analysis- who could be affected
 - Resource data- size, land use, growth projections, special designations, etc.
 - Public input- Is the resource important to the community>

- Access Effects

- Effect types-

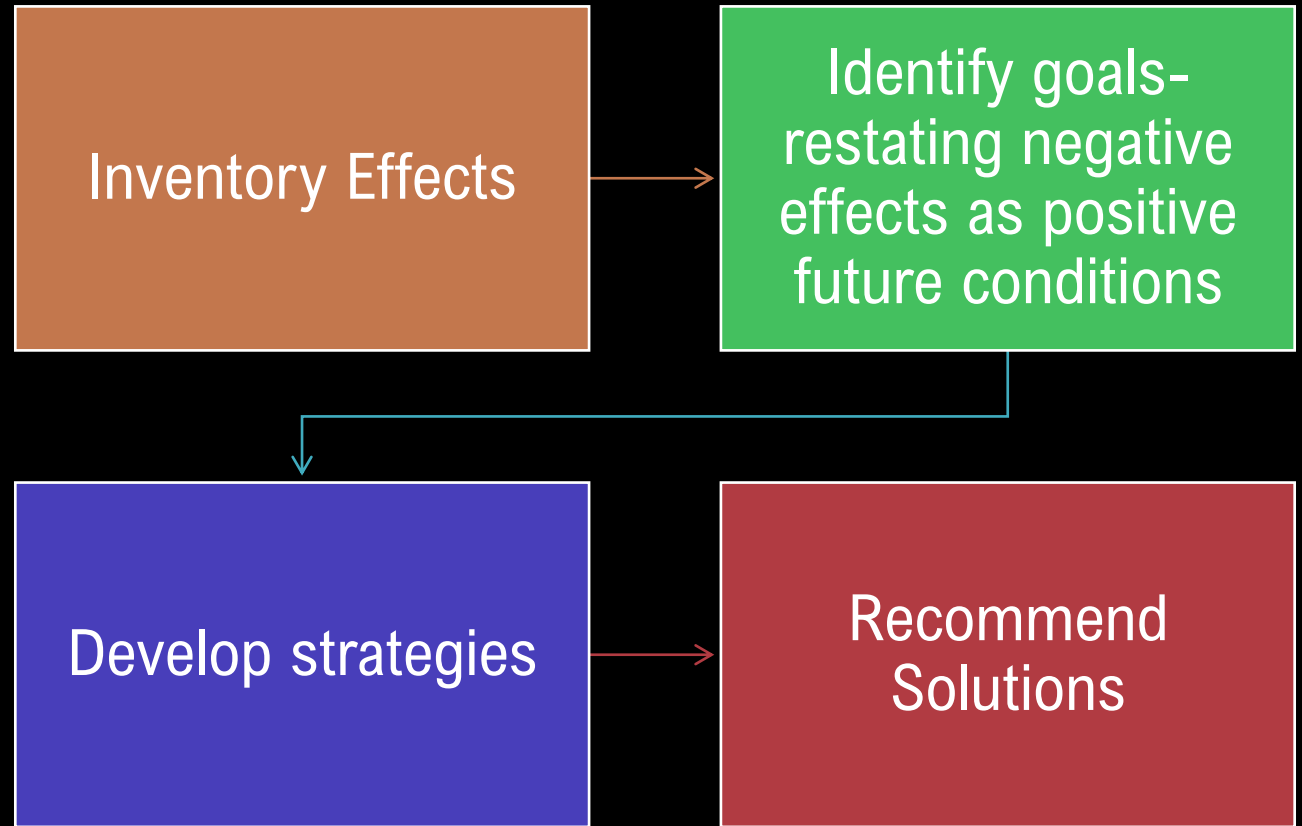
- Direct- changes in population (residential relocations), community facility access, emergency response time
 - Indirect- changed populations (new communities or people leaving existing communities)
 - Cumulative- existing burdens, potential project effects, foreseeable future action

- Supplemental data- demographics, community plans, police/fire/EMS services, facility user groups, Past actions, field review

- Prior Public Input

- Gauge Severity of Effects
 - Effect characteristics
 - Type, quality & sensitivity of the affected resources
 - Distribution among population groups
 - Likelihood of occurrence
 - Scale, extent & totality
 - Duration
 - Potential for migration
 - What does the affected community have to say?

Step 5- Recommend Solutions to Effects



Step 6- Document Results

- Tell the Story:
 - Project context
 - Data
 - Methodologies
 - Public Involvement & Input
 - Key findings
 - Recommendations

Use “plain language”

Questions and Contact Info

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