Class 14 - HIA Applications

Agenda

- Welcome back
- EIA
- HIA
- Updates from site visits
- Assignments and feedback

NEPA

- National Environmental Policy Act (NEPA) issued in 1973: "When we speak of the environment, basically, we are talking about the relationship between man and these physical and biological and social forces that impact upon him"
- Established by the President's Council on Environmental Quality (CEQ)
- Any major federal, state, or local project that spends federal funding, is performed by federal government, or requires permits issued by a federal agency

NEPA's EA Process

NEPA EIS DETERMINATION DECISION TREE



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Human Health Impacts in EIA

- Eos 12898 (EJ) and 13045 (protection of children from environmental health and safety risks)
- Six mentions of health in NEPA

EO 12898 and 13045

- Environmental justice directive to identify and address disproportionate and adverse human health or environmental effects
- Use public health data, involve public health agencies
- Consider health effects

NEPA process- how health gets in

- Substantive public concerns are addressed in the DEIS
- Definition of significance includes "the degree to which effects on the human environment are likely to be highly controversial"
- "Effects" includes ecological, aesthetic, historic, cultural, economic, social, or health, whether direct, indirect, or cumulative"

NEPA's EA Process

- Notice of intent and scoping
- Draft EIS
 - Public comment
 - Explain purpose and need
 - Assess 'no build scenario'
- Final EIS
- Record of Decision
 - Provisions are not binding



NEPA EIS DETERMINATION DECISION TREE

EIA experiences?

Social Impact Assessment

- 1970s
- Orientation, not methodology
- Has most frequently been wrapped into the EIA process
- Can be a standalone assessment

HIA minimum elements

• Three iterations, hundreds of public comments

Images removed due to copyright restrictions. Please see North American HIA Practice Standards Working Group (Bhatia R, Branscomb J, Farhang L, Lee M, Orenstein M, Richardson M). "Minimum Elements and Practice Standards for Health Impact Assessment, Version 2." (PDF – 3MB) North American HIA Practice Standards Working Group. Oakland, CA: November 2010.

Impact assessment

EIS SIA HIA ...

- Scoping
- Data collection
- Prediction (assessment)
- Recommendations to minimize harm and maximize benefits
- Look at overlapping focal areas

Other assessment types

- ESHIA integrated assessment
- SEA strategic environmental assessment
- HHRA human health risk assessment
- OHRA occupational health risk assessment

More things HIA is not

- Epidemiologic study
- Program evaluation
- Cost-benefit analysis

Do we need all of this?

Synergies

Proposed transportation project

EIA – how is the project expected to change levels of various air pollutants
HIA – how do changes in air pollutants affect health

Example: Healthy T for a Healthy Region

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COST

PROJECTED 2012 MBTA DEFECIT: \$161 MILLION YEARLY HEALTH COST: \$272.1 MILLION /\$386.9 MILLION



Please visit "A Healthy T for a Healthy Region" to view the entire report presentation.

CHRONIC LUNG DISEASE, HEART ATTACKS, HEART DISEASE, AND

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Was this an HIA?

Development without Displacement RESISTING GENTRIFICATION IN THE BAY AREA

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• Should this have been an HIA?

Phillips, D., Flores Jr, L., & Henderson, J. (2014). Development without Displacement: Resisting Gentrification in the Bay Area. *Causa Justa: Just Cause and Alameda County Public Health Department, Place Matters Team, Oakland, CA.* 19

Pick a 'model HIA'

- Critique by April 12
- www.hiasociety.org SOPHIA webiste

- Site visits
- Assessment workshops
 - Where are you stuck?
 - What do you need help with?
 - What is your analytic plan?

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11.S941 Healthy Cities: Assessing Health Impacts of Policies and Plans Spring 2016

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