

APPENDIX 5: Health Impact Assessment

Background

The City of Eugene Climate and Energy Action Plan (CEAP) will foster significant emissions reductions on a local level by providing specific actions to mitigate and adapt to climate changes. The implementation of certain CEAP actions can be directly linked to health benefits and could ultimately reduce some health risks associated with Climate Change.

Health Impact Assessments (HIAs) can evaluate the health impacts of plans using quantitative and qualitative information. The HIA for the CEAP will provide a basis for which the impacts of climate change can be assessed. The CEAP HIA will demonstrate direct health benefits that could result from the adoption of certain CEAP actions. CEAP actions that can be associated with health benefits will be highlighted in the plan. Detailed information related to the health benefits of the actions will be located in an Appendix of the CEAP.

Project Scope

The CEAP HIA will evaluate several actions proposed in the plan. Similar to the CEAP, the HIA will be divided among various sectors: Land Use and Transportation, Food and Agriculture, Consumption and Waste, Natural Resources, and Buildings and Energy. Because there is little precedent for HIA's on climate and energy action plans, obtaining information related to quantifiable health benefits to Climate Change mitigation and adaptation actions is challenging. Due to the limited amount of existing information and human resources available for analysis, the HIA analysis for each CEAP sector will vary. Specially, new research will be conducted to determine quantifiable health benefits to some actions in the CEAP Land Use and Transportation sector. For the remaining sectors of the CEAP (Food and Agriculture, Consumption and Waste, Natural Resources, and Buildings and Energy) existing analysis will be collected and used to describe qualitative health benefits to the adoption of certain CEAP actions.

PHASE I: Project Development

Tasks:

- Develop project partners and establish responsibilities
- Determine list of CEAP actions for health benefit assessment
- Finalize project scope

Timeline: February 1, 2010 – April 1, 2010

PHASE II: Research

Tasks:

- Collect existing data from partners
- Conduct technical analysis of quantifiable health benefits to CEAP Land Use and Transportation actions
- Conduct literature reviews for analysis of qualitative health benefits to CEAP Food and Agriculture, Buildings and Energy and Consumption and Waste actions

Timeline: April 1, 2010 – June 1, 2010

PHASE III: Assessment & Report Writing

Tasks:

- Assess data analysis and report findings to CEAP Land Use and Transportation actions
- Assess literature reviews and report findings to CEAP Food and Agriculture, Buildings and Energy, Natural Resources, and Consumption and Waste actions
- Develop HIA Draft report to serve as an Appendix in the CEAP
- Develop HIA final report to serve as an Appendix in the CEAP

Timeline: June 1, 2010 - July 1, 2010

Partners

Expertise for CEAP HIA research, report writing and guidance is provided by various health organizations and agencies including:

- Upstream Public Health, Mel Rader
 - *Conducting technical analysis for the Land Use & Transportation CEAP actions*
 - *Providing project guidance and serving as a resource for existing data*
- Kaiser Center for Health Research, Leslie Perdue
 - *Conducting technical analysis of the Land Use & Transportation CEAP actions*
- Lane County Public Health, Jennifer Jordan
 - *Reporting results of technical analysis of the Land Use & Transportation CEAP actions*
 - *Providing project guidance and serving as a resource for existing data*
- Lane Regional Air Protection Agency, Sally Markos
 - *Serving as a resource for existing data*
- Lane Coalition for Healthy Active Youth, Laurie Trieger
 - *Serving as a resource for existing data*
- Climate Leadership Initiative, Stacy Vynne
 - *Serving as a resource for existing data*
- Lane Council of Governments, Susan Payne
 - *Serving as a resource for existing data*
- Department of Human Services, Sujata Joshi, Julie Early-Alberts, Lesa Dixon-Gray
 - *Providing project guidance and serving as a resource for existing data*