

SUSITNA-WATANA HYDROELECTRIC PROJECT

Formal ILP Proposed Study Plan Review

August 8, 2012

Prepared by DOWL HKM with HMMH



Transportation and Air Quality Proposed Studies

- Transportation Resources Study
- Air Quality Study

Transportation Study Goals and Objectives

- Evaluate Project's impact on transportation modes and infrastructure
- Identify transportation infrastructure improvements or other mitigation required

Transportation Resources Study

Study Area

- Primarily MatSu and Denali Boroughs
- Other Southcentral infrastructure
 - Railroad
 - Ports
 - Airport

Transportation Resources Study

Methods

- Collect and review data on transportation
- Document existing conditions
- Forecast future transportation demands with/without Project
- Evaluate impact on transportation modes and infrastructure
- Identify mitigation or improvements needed

Transportation Resources Study

Expected Results

- Projected traffic forecasts for various modes
- Impacts on transportation modes with and without Project
- List of mitigations/improvements needed



Transportation Resources Study

Relationship to other Studies

- Social Conditions and Public Goods & Services
- Recreation Resources Study
- Subsistence Resources Study
- Air Quality Study
- Health Impact Assessment

Transportation Resources Summary of 2012 Activities

- No 2012 activities proposed

Transportation Resources Study Questions/Comments

Air Quality Study

Goals and Objectives

- Assess Project effects on air quality locally and regionally
- Evaluate Project compliance with air quality standards
- Identify potential applicability of mitigation measures



Air Quality Study Study Area

- Primarily Project vicinity
- Railbelt emissions



Air Quality Study Methods

- Document existing conditions/attainment status
- Forecast Project emissions and indirect emissions
- Assess vicinity compliance with air quality standards with/without Project emissions
- Assess Railbelt emissions with/without Project
- Identify Potential Utility of Standard Mitigation Measures

Air Quality Study

Expected Results

- Information on Current Condition
- Forecast of potential Project emissions
- Forecast of future Project vicinity air quality status with/without Project
- Forecast of Railbelt air emissions associated with Railbelt electric generation with/without Project



Air Quality Study

Relationship to other Studies

- Transportation Resources Study
- Human Health Impact Assessment
- Aesthetic Resources Study
- Geomorphology Study



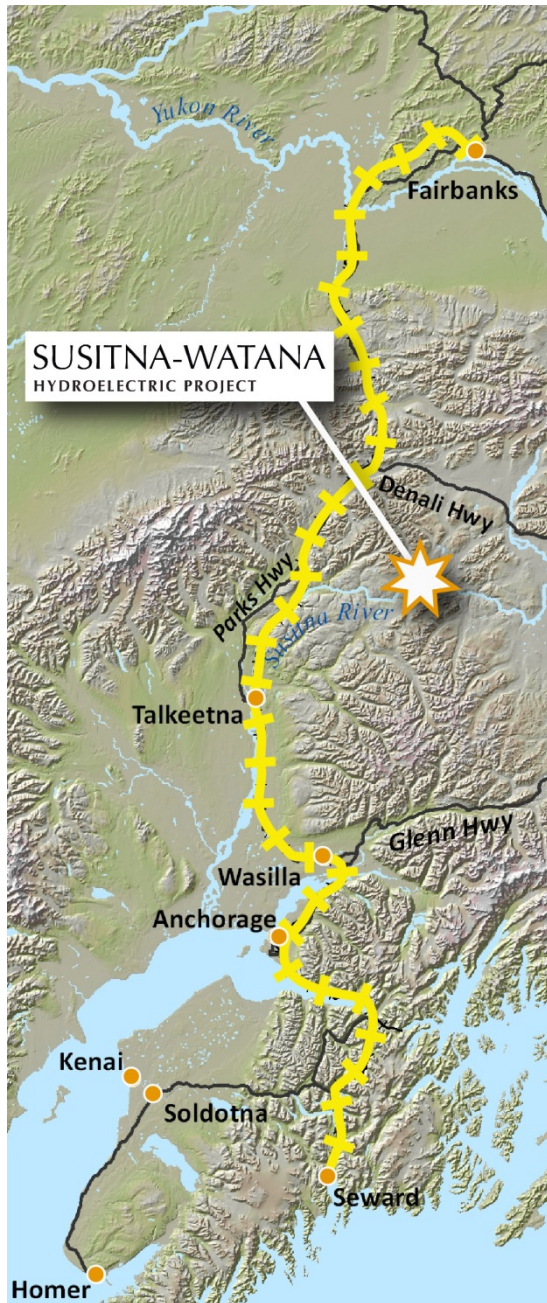
Air Quality Study

Summary of 2012 Activities

- No 2012 activities are proposed



Air Quality Study Questions/Comments



SUSITNA-WATANA HYDROELECTRIC PROJECT

Formal ILP Proposed Study Plan Review

August 8, 2012

Prepared by DHSS/NewFields



Health Impact Assessment Overview

- Structured planning process to inform decision making process
- Identifies positive and negative impacts on health of residents
- Organized by Health Effect Categories

Health Effect Categories

- Social determinants of health
- Accidents and injuries
- Potential exposure to hazardous materials
- Food, nutrition, and subsistence activity
- Infectious disease
- Water and sanitation
- Non-communicable and chronic diseases
- Health services infrastructure and capacity

Health Impact Assessment Goals and Objectives

- Identify public health issues
- Collect baseline health data
- Identify data gaps
- Determine potential impacts
- Develop enhancements and mitigations



Health Impact Assessment Study Area

- Potentially affected communities (PACs)
- Indirectly affected communities
- Transportation corridors
- Subsistence hunting areas



Health Impact Assessment Methods

- Follows HIA technical guidance
- Project Overview and Issues Summary
- Baseline Data Collection
- Data gap analysis
- Field studies
- Impact Assessment/Guidance for Health Management Plan



Health Impact Assessment Expected Results

- Summary of public health issues and concerns
- Community health baseline data assessment
- Identification of potential impacts from Proposed Project
- Identify impact management program

Health Impact Assessment Relationship to Other Studies

- Social Conditions and Public Goods & Services
- Transportation Resources
- Air Quality
- Subsistence Resources



Health Impact Assessment Questions/Comments



SUSITNA-WATANA
HYDROELECTRIC PROJECT