



Summary of IES Steps

Scope Project and Build Team

- Acquire commitment from government host organization.
- Identify technical team, project coordinator, technical leaders, and IES partners.
- Organize formal scoping meeting.
- Develop project work plan outlining the coordination of all project activities.

Develop Energy/Emissions Scenarios

- Determine energy sector categories for inclusion.
- Compile base-year emissions inventory.
- Develop baseline and integrated mitigation energy/emissions scenarios.
- Select energy/emissions model.
- Perform fuel consumption and emissions sector survey(s).
- Collect fuel-use data.
- Develop/adopt emissions factors.
- Run model to project future emissions for each scenario.
- Summarize results for air quality analysis.

Calculate Atmospheric Concentrations

- Assess existing ambient air quality.
- Identify targeted emissions.
- Select air quality model.
- Refine emissions data (from energy/emissions model), if necessary.
- Collect local, historical ambient air quality monitoring data.
- Collect local, historical meteorological data.
- Run model to project future ambient concentrations for each scenario.
- Summarize results for health effects analysis.

Quantify Public Health Effects

- Determine health endpoints and analytical methodologies.
- Develop/identify appropriate C-R functions.
- Collect local public health data.
- Perform local epidemiological studies or adapt results.
- Estimate avoided health effects for each scenario.
- Perform uncertainty analysis.
- Summarize results for economic valuation analysis.

Perform Economic Valuation of Health Benefits

- Collect economic valuation data.
- Determine appropriate valuation methods.
- Apply selected valuation approaches.
- Perform benefits transfer, if necessary.
- Perform comprehensive valuation analysis.
- Summarize results through a range of valuation scenarios.

Rank Measures and Share Results

- Quantify cumulative costs and benefits for each recommendation.
- Develop benefit-cost ratios for each recommendation.
- Prioritize recommended measures based on benefit-cost ratios or other criteria.
- Share project results.
- Identify additional steps to advance implementation.

Implement Measures

- Incorporate results into policymaking processes.
- Build support for implementation.
- Institutionalize IES process and results.
- Develop funding proposals.