Summary of Professional Qualifications of

Laura Yoon

Education

B.A. Environmental Studies (s*umma cum laude*) with Minor in Resource Management, University of Washington, Seattle, Washington (2009); M.S. Environmental Management (department valedictorian), University of San Francisco, San Francisco, California (2013)

Professional Affiliations

Association of Environmental Professionals

Current Experience, ICF

Air Quality and Climate Change Manager (2016 to Present)

Laura Yoon plans, manages, and conducts technical studies related to air quality impact and mitigation assessment, greenhouse gas (GHG) emissions inventory and mitigation development, climate action planning (CAP), and health risk assessments (HRA) for public agencies, private development projects, and public works projects. She conducts data collection, literature searches, and computer modeling to assess levels of effects associated with projects relative to applicable federal, state, and local regulations, laws, and standards. Laura focuses on technical modeling and report preparation in support of California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and recent GHG legislation. Her expertise includes point-, area-, and mobile-source air quality impact studies; conformity analyses; dispersion modeling; GHG emissions inventories; and CAP development.

Laura has served as the technical lead and project manager for numerous air quality and climate change analyses throughout California. She is also responsible for leading ICF's California air quality and climate change division. She maintains strong working relationships with clients, project applicants, and technical team managers, and manages budgets and schedules related to the execution of technical assessments.

Air Quality and Climate Change Specialist (2009 to 2015)

Evaluated criteria pollutants, toxic air contaminants, and GHG emissions associated with new transportation, energy, and infrastructure projects. Modeling results were used to design and advise clients on cost-effective mitigation measures to avoid adverse impacts to air quality. The air quality analysis, including project recommendations, were incorporated into an environmental impact report (or equivalent document) for agency and public review. Also prepared CAPs for cities and counties seeking to reduce GHG emissions consistent with Assembly Bill 32 (AB 32) and other statewide GHG legislation. Work included identifying existing and future emissions sources, inventorying baseline emissions, projecting future emissions levels based on anticipated growth, and designing and quantifying emissions reduction strategies. The emissions analysis was often distilled into a concise written document, which could be understood by both technical specialists and the general public.

Previous Experience, United States Environmental Protection Agency

Air, Waste, and Toxics Intern (2009)

Collaborated with 97 collision repair shop owners and managers to determine key barriers to achieving compliance with the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for paint stripping and surface coating operations. Developed a multifaceted social marketing campaign that led collision repair shops in the Pacific Northwest to reduce their air toxins and achieve a high rate of early compliance with the NESHAP. Experience also helped design an

informational website for the EPA's Collision Repair Campaign (CRC) to serve as an outreach tool for shop owners, regulators, technical schools, and suppliers.

Previous Experience, Port of Seattle Washington

Environmental Intern (2008)

Completed a variety of environmental improvement projects and assessments, including the following: 1) Evaluated the engine age and model characteristics of the Port's 1,532 drayage trucking fleet; 2) Completed a cost/benefit analysis to assess the feasibly of utilizing wind energy at the Port; 3) Designed and administered an internal commute trip reduction survey to evaluate participation in the Port's alternative transportation programs; 4) Developed environmental profile portfolios for 15 competitor ports in the United States and Canada; 5) Assisted in the early design of the Port's "Green Flag Program," which encourages proactive achievement of Northwest Ports Clean Air Strategy for ocean going vessels.

Publications

Hendrix, M., Mitchel, D., Rubins, D., Seale, T., Singleton, L., Venema, J., Vermilion, N., Walter, R., Williams, M, Wilson, C., Yoon, L. Forecasting Community-Wide Greenhouse Gas Emissions and Setting Reduction Targets, Draft. Association of Environmental Professionals. Available for download at https://www.califaep.org/images/climate-change/Forecasting_and_Target_Setting.pdf.