

# Maxwell Utter

maxwell.utter@gmail.com | cell: (858) 943-9288

## Education

Northern Arizona University

**Master of Science in Climate Science and Solutions** Dec 2017

**Bachelor of Science in Environmental Science: Emphasis in Applied Geology** Dec 2016

Mesa College

**Technical Certificate in Geographic Information Systems** Dec 2019

University of California San Diego

**CEQA Practice Certificate** Jun 2020

## Licenses and Certificates

- Patent # 10,363,515 United States Patent Office Jul 2019
- HAZMAT/HAZWOPER 40-Hours National Environmental Trainers Inc Sep 2018

## Work Experience

Sustainability Intern 2020 – Present  
*WSP: Sustainability, Energy, and Climate Change Division* San Diego, CA

- Conducting a greenhouse gas inventory of WSP's Scope 1,2, and 3 emissions.
- Reviewing over 1 million historical climate data points to build data model that attempts to determine the effect of future climate change on database centers of a Fortune 500 company.
- Assisted small businesses in the interpretation of California Air Resources Board regulations for the purpose of developing carbon "sequestration to product" technology.
- Performing general research and compiling technical reports for large multi-national corporations to support emerging sustainability initiatives.

Co-founder and Lead Researcher 2017 – 2020  
*RainIons LLC* San Diego, CA

- Published feasibility studies, SWOT analyses, and business plans to support carbon sequestration technology development.
- Co-designed the Atmospheric Negative Ionizer device; co-owner of the patent.

Management Intern 2018 – 2020  
*City of San Diego Public Utilities Department* San Diego, CA

- Reviewed CEQA, NEPA components of long-range environmental planning documents.
- Conducted a spatial analysis of 5,000 water mains for the Water Service Line Inventory Research Project.
- Analyzed 50,000 water quality data points in San Vicente, Hodges Reservoirs and published a technical memorandum summarizing long-term water quality trends.
- Utilized ArcGIS, QGIS to create to-scale 3D topographic models of local watersheds.
- Employed open-source AutoCAD programs to create animations of the operation of proposed City equipment.

## Skills

- GRI, CDP, CEQA, NEPA
- Greenhouse gas accounting and management
- ArcGIS, ArcGIS Pro, and QGIS
- Technical writing

## Additional Experience

- Renewable Energy Consultant Northern Arizona University 2017
- Student Volunteer National Weather Service Summer 2016
- Research Assistant Northern Arizona University 2014 – 2017