

Henry Hundt

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Professional Experience & Projects

SUSTAINABLE ENERGY CONSULTANT

Self-Employed | Madison, Wisconsin | December 2017 – Present

- Primary client: architecture firm Hoffman Planning, Design & Construction
- Monitor client facilities to track impact and performance of renewable energy systems
- Train building owners and managers to calculate carbon footprint and energy usage
- Quantify impact of efficiency upgrades on existing structures, performance of new facilities
- Create baseline embodied energy estimates for new, remodeled and repurposed structures
- Evaluate methods of reducing carbon, while also monetizing potential sequestration through land management practices, waste management
- Help clients negotiate solar arrangements with utility entities and assist in planning services

DARLINGTON SCHOOLS NET-ZERO ENERGY FEASIBILITY STUDY

[Report Link](#) | Madison, Wisconsin | December 2018 – February 2020

- DOE and Wisconsin Office of Energy Innovation grant
- Evaluating conditions to allow for net-zero school construction, new and remodeled in Wisconsin using the existing schools in Darlington WI as the case study
- Primary project modeler using NREL's System Advisor Model (SAM) to evaluate physical design, financial approaches, and energy storage deployment over 25 years
- Report includes analysis of findings as they apply to possible policy changes that would encourage further net-zero energy schools in Wisconsin

RENEWABLE ENERGY ALASKA PROJECT

Energy Fellow | Anchorage, Alaska | June 2016 – July 2017

- Led The Great Alaska Energy Challenge
 - Designed technical guides for energy efficiency and conservation at public facilities
 - Analyzed performance data from 40 state facilities to map energy use across Alaska, factoring in weather variability and fuel source
 - Oversaw participant engagement, analysis, data collection and graphic design.
- Additional duties: grant writing, meeting with stakeholders, project roundtables
- Completed Sustainable Energy Endorsement from University of Alaska Fairbanks during fellowship

ANCHORAGE COLLABORATIVE COALITION MENTAL HEALTH RESEARCH

AmeriCorps Vista | Anchorage, Alaska | Summer 2015 – June 2016

- Joined a team of local non-profits, including Anchorage Youth Development Coalition, Spirit of Youth and Volunteers of America, to create a report on the status of mental health among Anchorage youth
- Collection of primary data in collaboration with the University of Alaska Anchorage Center for Human Development (UAA CHD)
- Trained youth leaders (16-21) to run data collection sessions and trainings in the basics of qualitative data analysis
- Completed trainings in qualitative and quantitative data analysis, research ethics, and cultural competency through UAA CHD as a part of the study team

YOUTH INITIATIVE HIGH SCHOOL

High School Teacher | Viroqua, Wisconsin | August, 2013 – August, 2014

- Art History, Cartography, Public Art: Design and Installation
- Developed a teacher training fellowship program for new teachers, now in its 6th year

Education

MADISON AREA TECHNICAL COLLEGE – Fall, 2018

- Statistics (MATH 20804240) – Fall 2018

ONLINE CERTIFICATES

- Microeconomics Principles Course Certificate – University of Illinois at Urbana-Champaign – Fall 2017
 - Augmented with N. Gregory Mankiw *Principles of Microeconomics 7th ed.*; William A. Fischel *Zoning Rules! The Economics of Land use Regulation*
- Inferential Statistics with R Course Certificate – Duke University - Summer 2018

UNIVERSITY OF ALASKA, FAIRBANKS | BRISTOL BAY – Spring, 2017

Sustainable Energy Occupational Endorsement, NUNAPUT Scholar

Papers Presented:

- “Energy Payback Period for Solar Photovoltaic in Alaska” *2017 Western Alaska Interdisciplinary Science Conference*, Dutch Harbor, Alaska

CORNELL COLLEGE | MOUNT VERNON, IA – Spring, 2013

Bachelor of Arts; Double Major: Art History & Religion; cum laude

- Schroeder Fellowship in Art
- Senior Thesis Art History All Departmental Honors
- Ruth N. Anderson Harris Award for excellence in Religious Studies
- Levy Award for off-campus studies

Publications:

“A Teratological Source of Hellhead?” Hundt, Henry; Smith, Raoul Ph.D., *Journal of Icon Studies*, March, 2013

Technical Skills

- Microsoft Suite; Google Suite
- EPA Portfolio Manager; EnergyCAP; SAM
- Web Design
- Adobe Suite: digital and graphic design; data visualization
- Grant Writing