

GREGORY R. HINDS, P.E.

P.O. Box 1421, Graeagle, California 96103 | phone: (530) 401-0000 | email: greg@hindsengineering.com

Education:

M.S.	Environmental Engineering, University of South Florida: GPA: 3.95/4.00	2015
B.S.	Civil Engineering, California State University, Chico: GPA: 3.77/4.00, Magna Cum Laude	2014
	Course Diploma, Aguas Residuales de Origen Industrial, Universidad de San Carlos de Guatemala, Escuela Regional de Ingeniería Sanitaria y Recursos Hidráulicos	2013

Certifications:

	Professional Civil Engineer, State of California License #C88952	2018
	Qualified Stormwater Pollution Prevention Plan (SWPPP) Developer, California Stormwater Quality Association: QSD #C88952	2018
	Qualified Industrial Stormwater Practitioner, California Stormwater Quality Association: QISP #00254	2015
	Mastery Tutor Certification, College Reading and Learning Association	2013

Awards, Honors, Scholarships, and Fellowships:

	William Brewster Snow Award for Significant Accomplishments in Environmental Engineering Research, American Academy of Environmental Engineers and Scientists	2016
	Best Student Presentation: 2016 Global Waste Management Symposium, Palm Springs, CA	2016
	Richard Ian Stessel Graduate Fellowship for Environmental Engineering, University of South Florida College of Engineering	2015
	S-STEM Graduate Scholarship to Achieve Sustainable Infrastructure at the Water-Energy-Global Nexus: National Science Foundation under Grant No. DUE-0965743	2014
	Magna Cum Laude Academic Distinction, California State University, Chico, Class of 2014	2014
	Research and Creativity Grant, California State University, Chico	2014
	Dean's Honor List: Sierra College, Butte College, CSU Chico, University of South Florida	2009 - 2014
	ASCE Mid-Pacific Conference: CSUC Captain, Water Treatment Competition - 2 nd Place Overall	2014
	Academic Achievement Award: ASCE Sacramento Section	2013
	Academic Scholarship Award: Soroptimist International of Portola	2009
	Academic/Vocational Scholarship Award: Lambert and Lambert Insurance	2009
	Joy Engineering Scholarship Award: Joy Engineering	2009
	Team Captain Award, Infielder of the Year Award, All League Team Honor: HS Baseball	2009

GREGORY R. HINDS, P.E.

P.O. Box 1421, Graeagle, California 96103 | phone: (530) 401-0000 | email: greg@hindsengineering.com

Memberships:

Sierra Valley Resource Conservation District: Associate Member	2017 - Present
Plumas Ski Club 501c3 (http://plumasskiclub.org): Vice President	2016 - Present
American Society of Civil Engineers: Associate Member	2012 - Present
Sierra Club: Member	2012 - Present

Leadership and Professional Experience:

1. Wildscape Engineering Dec, 2015 – Jan, 2019
Staff Engineer
 - Worked directly with Company Principal Carol Beahan, P.E. to provide high quality engineering services to clients both public and private.
 - Worked on all phases of projects from bid development to project design and permitting to construction oversight.
 - Carried out engineering tasks including hydraulic and hydrologic modeling and analyses, drainage design, wet utility design, stream and bank restoration design, CAD drafting, plan set development including grading and erosion control plans, project specifications development, engineers cost estimate development, permit preparation, and industrial and commercial SWPPP development, implementation, and monitoring.
2. Bioenergy from Municipal Solid Waste through Solid-State Anaerobic Digestion: Aug, 2014 - Mar, 2016
University of South Florida Research Funded by the Hinkley Center for Solid and Hazardous Waste Management
Lead Graduate Researcher
 - Designed and conducted bench- and pilot-scale research aiming to improve process efficiency in solid-state anaerobic digestion (SS-AD) of the organic fraction of municipal solid waste (OFMSW); directed the research of two undergraduate students, one high school teacher, and one visiting doctoral student.
 - Conducted novel research on the development of SS-AD for the recovery of energy and nutrients from OFMSW in the United States, prepared a database of existing and forthcoming SS-AD projects in the US, and reported trends in development, critical economic factors, and legislative considerations pertaining to SS-AD of OFMSW in the US to policy makers and industry professionals.
 - Coordinated technical advisory group (TAG) meetings
 - Authored quarterly reports and final report for submission to the funding agency (Hinkley Center).
 - Disseminated information via submission of articles on research findings to peer reviewed journals, multiple poster presentations, and PowerPoint presentations.
3. Environmental Engineering Consulting Services: Dr. Stewart Oakley, California Aug, 2012 – Dec, 2015
State University, Chico
Consulting Assistant
 - Developed multiple design feasibility studies: (1) Integrated Wastewater Management in the Lake Atitlan Basin, (2) Solid and Hazardous Waste Management in Machupicchu, Ollantaytambo, Urubamba, Peru, (3) Rosa Elze and ERQ Norte Wastewater Treatment Facility Upgrades.
 - Presented results of the Integrated Wastewater Management in the Lake Atitlan Basin design feasibility study to stakeholders in Guatemala and collaborated with local government and nongovernment organizations on design development, public awareness efforts, and data acquisition for the development of a *Master Plan* for wastewater management in the Lake Atitlan Basin; ongoing.
 - Assisted with providing consulting services for multiple projects: (1) Leachate Management for the City of Chico Landfill, (2) Integrated Wastewater Management in the Lake Titicaca Basin, (3) Medical Waste Management/Disposal, Ebola Camps, Liberia.

GREGORY R. HINDS, P.E.

P.O. Box 1421, Graeagle, California 96103 | phone: (530) 401-0000 | email: greg@hindsengineering.com

Leadership and Professional Experience (Continued):

4. Globalization and Community Health Field School: University of South Florida May, 2015 - Jul, 2015
Based Field Course funded by the National Science Foundation
Course Assistant
 - Developed and delivered two lectures (two hours each), one on aerobic composting and one on anaerobic digestion; both lectures covered fundamental principles and applications on various scales and in various contexts (e.g. developed versus developing world).
 - Provided in-field engineering assistance to undergraduate researchers participating in the field school working on projects pertaining to grey water management, human waste management, and nutrient management.

5. Sustainable Engineering and Environmental Health for Development (SEEHD) Sep, 2012 - May, 2014
Treasurer (2012-2014), President (2014)
 - Managed finances, organized fundraising, planned finances for student travel (2013) to Guatemala as part of the Integrated Wastewater Management in the Lake Atitlan Basin project as Treasurer for the nonprofit organization, SEEHD.
 - Fulfilled bureaucratic requirements, recruited new members, developed fundraising and travel plans for subsequent student travel (2014) to Guatemala to continue project efforts, successfully acquired grant funding (Research and Creativity Grant, California State University, Chico) to cover project costs, organized and participated in volunteering efforts at local events including “Walk for Water”, “This Way to Sustainability”, and “Choose Chico Day”.

6. ASCE Mid-Pacific Conference Water Treatment Competition, California State Dec, 2012 – May, 2014
University, Chico Water Treatment Team
Captain
 - Redeveloped the nearly completely disintegrated California State University, Chico Water Treatment Team, won 2nd place in water quality in 2013 (first year competing) but placed 7th overall out of 13 Universities (including leading California Universities such as UC Davis, Cal Berkeley, and Cal Poly, and international Universities from China and Canada) and rose through the ranks to win 2nd Place overall in the 2014 competition (second year competing).
 - Recruited, educated, and trained team members for participation in the competition; designed simple water treatment systems, designed and conducted experiments to optimize the functionality of simple water treatment system prototypes, prepared design reports, prepared and presented competition PowerPoints, led team during system construction at competitions, designed and acquired team apparel, and developed a Captain’s Manual for future Water Treatment Team Captains.

7. Student Learning Center: California State University, Chico Jan, 2013 – May, 2014
Academic Teachers Assistant
 - Provided supplemental instruction and general mentorship to undergraduate students from diverse backgrounds in math, physics, and engineering subjects; courses tutored include algebra, trigonometry, pre-calculus, calculus I, II, and III, differential equations, classical mechanics, electricity and magnetism, statics, material science, mechanics of materials, transportation engineering, water resources engineering, and more.
 - Participated in the College Reading and Learning Association Tutor Certification Program and associated trainings and obtained Mastery Tutor Certification.

GREGORY R. HINDS, P.E.

P.O. Box 1421, Graeagle, California 96103 | phone: (530) 401-0000 | email: greg@hindsengineering.com

Published Works and Academic/Conference Presentations:

Hinds, G.R., Zhang, Q., Ergas, S.J., Lens, P.N.L. (2018 – *in press*) Microbial Biomethane Production from Municipal Solid Waste Using Solid-State Anaerobic Digestion. Chapter 5 from *Microbial Fuels: Technologies and Applications*. Edited by Harzevili, F.D. and Hiligsmann, S. CRC Press Taylor & Francis Group. International Standard Book Number-13: 978-1-4987-6379-0.

Hinds, G.R., Mussoline, W., Casimir, L., Dick, G., Yeh, D.H., Ergas, S.J. (2016) Enhanced Methane Yields in High-Solids Anaerobic Digestion Through Inoculation with Pulp and Paper Mill Sludge. *Journal of Environmental Engineering Science*. DOI: 10.1089/ees.2016.0129. Feb., 2016.

Hinds, G. R. (2016) Enhanced Methane Production from Lignocellulosic Waste in High-Solids Anaerobic Digestion through Bioaugmentation. 2016 Global Waste Management Symposium. Palm Springs, CA. 2 Feb. 2016.

Hinds, G. R. (2015) High-Solids Anaerobic Digestion of the Organic Fraction of Municipal Solid Waste State of the Art, Outlook in Florida, and Enhancing Methane Yields from Lignocellulosic Wastes. Master's Thesis. University of South Florida. Oct., 2015. <http://scholarcommons.usf.edu/cgi/viewcontent.cgi?article=7079&context=etd>.

Hinds, G. R., Casimir, L., Dawley, M., Yeh, D.H., Ergas, S.J. (2015) Solid-State Anaerobic Digestion: An environmentally and economically favorable approach to OFMSW management? *Talking Trash*, June, 2015.

Hinds, G. R., Dick, G., Yeh, D.H., Ergas, S.J. (2015) Enhanced Methane Production from Yard Waste in Solid-State Anaerobic Digestion, International Water Association (IWA) Specialist Group on Anaerobic Digestion Newsletter, June, 2015.

Hinds, G. R., Dick, G., Yeh, D.H., Ergas, S.J. (2015) Resource Recovery from Organic Solid Waste through Solid-State Anaerobic Digestion, *Talking Trash*, Mar., 2015.

Hinds, G. R. (2015) Bioenergy Production from Municipal Solid Waste through Solid-State Anaerobic Digestion. University of Central Florida, AEESP Lecture. Orlando, Florida. 27 Feb. 2015.

Hinds, G. R. (2015) Enhanced Methane Production from Lignocellulosic Waste in Solid-State Anaerobic Digestion through Bioaugmentation” University of South Florida, Graduate Student Research Symposium. Tampa, Florida. 10 Mar. 2015.

Hinds, G.R. (2014) Bioenergy Production from Municipal Solid Waste through Solid-State Anaerobic Digestion. University of South Florida, College of Engineering Research Day. Tampa, Florida. 19 Nov. 2014.

Languages:

English (native)

Spanish (limited working proficiency)

Web links:

www.hindsengineering.com

www.linkedin.com/pub/gregory-hinds/6a/334/781

www.facebook.com/greg.hinds.75