



Cornell University
Cooperative Extension
Dutchess County

An Introduction to Composting and Anaerobic Digestion for Municipalities

Monday, July 28, 2014

6:00 PM – 9:00 PM

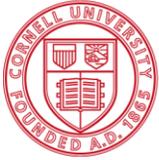
Agenda

- **Joyce Tomaselli**, *Community Horticulture Educator, CCE Dutchess County: Overview of composting*
- **Donna Fennell**, *PhD, Associate Professor, BioEnvironmental Engineering, Rutgers University: Introduction to anaerobic digestion*
- **Tammy Morgan**, *Lake Placid, NY: Anaerobic digestion case study: Lake Placid, NY*
- **Joanna Underwood**, *President, Energy Vision: Exploration of opportunities for using renewable natural gas captured from landfills and anaerobic digestion*

A Q & A session will follow the presentations.

Through quality educational programs, Cornell Cooperative Extension Dutchess County builds strong, healthy youth, adults, families and communities while enhancing the economic, social, agricultural, and natural resources of Dutchess County. Cornell Cooperative Extension provides equal program and employment opportunities.

The County of Dutchess partially funds Cooperative Extension programming in Dutchess County.



Cornell University
Cooperative Extension
Dutchess County

An Introduction to Composting and Anaerobic Digestion for Municipalities

Monday, July 28, 2014

6:00 PM – 9:00 PM

Speaker Bios

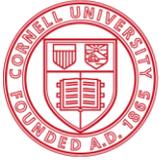
Joyce Tomaselli brings a unique combination of experience in corporate Marketing Management and non-profit Program Management, a life-long love of gardening, and Cornell Cooperative Extension Master Gardener Volunteer training.

As a Senior Marketing Manager in the IT Industry, Joyce led Marketing Planning and Management working with world-wide business partners to provide strategy, product development and launch, marketing communications and sales support. She was a speaker at many technical and sales events around the world.

After many years as a volunteer, in 2010 Joyce was hired as Program Manager for Walkway Over the Hudson to create and lead their Ambassador Program. Although working for a park on a bridge at first blush seems quite different from her previous experience, she was able to effectively apply business skills and experience to support New York's newest Historic Park, building a large cadre of active and committed volunteers.

Last year Joyce joined CCEDC to lead their Community Horticulture Program which includes management of the Master Gardener program (over 90 volunteers), a strong educational focus on Organic Recycling by homeowners, communities and businesses as well as facilitating opportunities for increased participation throughout Dutchess County.

Donna Fennell attended the University of Arkansas at Fayetteville and in 1985 earned a bachelor's degree in Agricultural Engineering. She earned a Master's degree in Agricultural and Biological Engineering from Cornell University in 1988. Her research involved the production of methane from anaerobic digestion. Donna worked as a Research Support Specialist at Cornell between 1987 and 1992 and expanded her research interests into groundwater remediation using microbial processes. In 1998 Donna earned a Ph.D. from the School of Civil and Environmental Engineering at Cornell. Her work resulted in the development of a dynamic, multi-species biokinetic model to describe the dechlorination of tetrachloroethene. Donna held a Post-Doctoral position in The Department of Biochemistry and Microbiology at Rutgers University from 1999-2002. She became an Assistant Professor in 2002 and was promoted to Associate Professor in 2009 in the Department of Environmental Sciences at Rutgers University. Her research focuses on bioremediation of sediments contaminated with dioxins and PCBs, characterization dehalorespiring microbial communities, microbial activity in air and production of biofuels from wastes.



Cornell University Cooperative Extension Dutchess County

Tammy Morgan Tammy Morgan graduated from SUNY Plattsburgh with degrees in In Vitro Cell Biology and Environmental Science – then later in life returned to obtain a Master’s Degree in Education. She currently teaches AP Environmental Science and biology at the Lake Placid High School in upstate NY. Prior to teaching she was a lab technician at the Cornell-Uhlein Potato Farm and then a research assistant at the Trudeau Institute, studying CD8T cell responses to influenza. Tammy has attended SETI’s Astrobiology Summer Science Experience for Teachers and was a member of the 2008 Spaceward Bound Arctic Expedition to McGill’s Arctic Research Station in the Canadian Arctic. Tammy was a member of a 2011 Climate Change Educational Exchange Program between the Tupper Lake Wild Center Natural History Museum and Heureka Science Museum in Vantaa Finland. She attended the 2011 Northeast Bioenergy and Bioproducts Education Program Teacher Workshop at Pace University. As a BBEP (formerly NBB) intern at the Pace Energy and Climate Center, she developed a feasibility study for the town of North Elba outlining the benefits of using anaerobic digestion to benefit local economies and decrease solid wastes going to landfills.

Joanna Underwood has been a leading figure in the US environmental movement since the early 1970s. From 1970 to 1973, Ms. Underwood was co-director of the Council on Economic Priorities, the first organization in the US to evaluate the environmental practices of businesses for investors. While there, she co-authored *Paper Profits*, a 700-page study of air and water pollution in the pulp and paper industry. The report, published by MIT Press, was the first to compare corporate pollution control programs in use of the best available technology. It producing front page headlines coast to coast and set a standard for environmental reporting.

Ms. Underwood founded INFORM in 1974 for expanded analysis of environmental business practices aimed primarily at identifying solutions – especially ways to prevent waste, contamination and the destruction of natural resources at the source. Under her guidance, INFORM became a prime force in educating decision-makers in the public and private sectors about the need for preventive approaches to some of this country’s most complex environmental problems. Ms. Underwood stepped aside as President of INFORM in 2006 to found a new organization, Energy Vision, focused entirely on the challenge of sustainable transportation.

Ms. Underwood has written and lectured widely on energy and environmental issues. She has served on many Boards and Government Advisory Bodies, including: Advisory Committees of the US Department of Energy on renewable sources and Task Forces of the Congressional Office of Technology Assessment, as a member of the Eco-efficiency Task Force of the President’s Council on Sustainable Development under the Clinton Administration (1994-5); a Director of the Rocky Mountain Institute (1994-2000); a Member of the Dow Chemical Company’s Environmental Advisory Council, (1991-2001); a Trustee of The Keystone Center (1996-2001), and a Board member of the New York State Energy Research and Development Authority (1980-1998).

She currently serves on the Board of Directors of the Clean Vehicle Education Foundation in Washington DC, and of the Robert Sterling Clark Foundation in New York City.

A graduate of Bryn Mawr College, Ms. Underwood has taught at New York and Adelphi Universities and in 2007-8 guided a first-of-a-kind field practice environmental leadership course at Bryn Mawr College. In 1999 she received an honorary doctor of science degree from Wheaton College. In 1997 and 2000 she was chosen by Earth Times as one of the world’s 100 most influential environmental leaders. (A list of Awards and Honors follows.) She is listed in Who’s Who in America and Who’s Who of American Women