

DUBLIN SUSTAINABILITY ADVISORY TEAM

CITY OF DUBLIN

June 4, 2019

Nick Plouck, Management Assistant

J.M. Rayburn, Planner I



AGENDA

- **Introductions**
- **Housekeeping**
- **OU Presentation**
- **Sustainability Highlights**
- **Staff Presentations**
- **Roundtable**
- **Website**
- **Questions + Networking**



APPROVAL OF MINUTES



Any edits or changes to the minutes from our previous meeting on February, 26 2019?

The George Voinovich School of Leadership and Public Affairs (GVS)



OHIO
UNIVERSITY

VOINOVICH SCHOOL OF LEADERSHIP AND PUBLIC AFFAIRS

The George Voinovich School of Leadership and Public Affairs



Mark Weinberg
Founding Dean



Marsha Lewis
Senior
Associate Dean

Our Approach

Ranked as the 39th Most Innovative Public Service Schools in the country, 11 faculty and 86 staff, Environmental Studies program established in 1970

Engagement – Communicate with diverse audiences and listen to community needs

Public Value – Focus on value creation for our communities

Social Impact – Solutions to environmental problems that protect natural systems while promoting new economic opportunities



State of the Region Conference



Climate Vulnerability Workshop

Organization

- Environmental Studies (MSES)
- Public Administration (MPA)
- Voinovich Academy for Excellence in Public Service, Dublin Campus
- TechGROWTH Ohio
- Social Innovation and Entrepreneurship



Nonprofit Management Course



GVS Student Winners at
Scripps Innovation Challenge

Environmental Faculty & Staff



Derek Kauneckis,
PhD,
Public Policy

Expertise

Sustainability assessment,
collaborative governance, science &
innovation policy, circular economies,
climate adaptation, resilience planning



Natalie Kruse,
PhD,
Civil
Engineering &
Geoscience

Water quality, acid-mine drainage,
watershed management, monitoring
technologies, watershed decision
tool design, testing and treatment
technologies for water contaminants,
land and water reclamation



Sarah Davis,
PhD,
Biology

Expertise

Bioenergy, agro-ecosystems, energy conversion efficiency, carbon sequestration, greenhouse gas fluxes in managed landscapes, ecological modeling, science communications, environmental leadership and civil discourse



Geoff
Dabelko, PhD
Government
and Politics

Global Environmental Policy,
Environmental Peacebuilding, Climate
Change Policy, Environment and
Human Security, Environmental
Leadership



Gilbert Michaud,
PhD,
Assistant
Professor of
Practice

Expertise

Economic impact analysis, energy policy, workforce development, local and state renewable energy policies, solar energy valuation, industry clusters, organizational cooperation



Michael Zimmer,
J.D.,
Professional Fellow,
Voinovich School
and Russ College of
Engineering

Public-private partnerships, energy policy, corporate sustainability, clean tech transactions, environmental finance



Jen Bowman,
MS,
Director of
Environmental
Programs

Expertise

Stakeholder outreach, program implementation, water quality analysis, database management systems for stakeholders



John Glazer,
MA,
Senior Executive
in Residence for
Strategic
Development

Regional economic development, social enterprise, impact investment, entrepreneurial coaching, technology commercialization, venture development services, community engagement



Faith Knutsen,
MA,
Director Social
Innovation and
Entrepreneurship

Expertise

Venture development services for
social enterprises, market-based
approaches for social good,
philanthropic capacity-building



Alex Murray,
PhD,
Director of Online
Academic Programs

Online courses development,
professional instruction, program
administration, technology and
instructional design

Ways to partner

- **Research** (Faculty, Staff and Students)
Basic and applied project-based research
- **Evaluation, Monitoring and Assessment**
Public sector methods, social return on investment, ecosystem services, water quality monitoring, circular economy, smart-communities, among others
- **Partnership for Environment and Energy**



Davis Biogas Lab



Water Quality Sampling



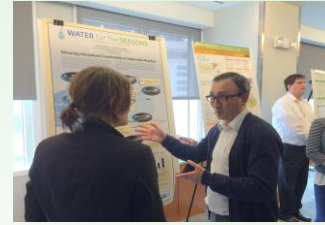
Leadership Training, Dublin Campus

Partnership for Environment and Energy

- Customized training programs
 - Tailored to needs of partners
- Offered through Voinovich Academy
 - Instructors are University faculty and professional staff
- Topics
 - Community Resilience
 - Sustainable Resource Management
 - Environmental Monitoring and Characterization
 - Environment and Energy Economic Development

Community Resilience and Planning

- Life cycle analysis
- Risk assessment
& communication
- Climate adaptation planning
- Sustainability assessment
- Resilient infrastructure planning
- Green infrastructure
development



Student Presentation, National
Science Foundation, Washington DC



Adaptation and Resiliency Planning
Workshop, Reno, Nevada



Webinar Series Climate
Vulnerability Assessment

Sustainable Resource Management

- Watershed management and planning
- Advanced bioenergy systems
- Forest ecology and management
- Smart agriculture
- Carbon sequestration
- Zero waste management



Zero Waste Team Campus Event



Bioenergy Field Testing Site



Resilient Rivers Project Stakeholder Meeting

Environmental Monitoring and Characterization

- Aquatic resources monitoring and assessment
- Planning for field data collection
- Emerging contaminants



Stream to Cloud Data Project



Stream Health Assessment

Environment and Energy Economic Development

- Green jobs and workforce development
- Energy policy analysis
- Energy utilities and generation
- Social and environmental entrepreneurship



Ohio Advanced Energy Economy



The Ridges Solar Array



State of the Region Conference

Thank You



Questions?

Derek Kauneckis
email: kaunecki@ohio.edu



- Bike Month
- EPA Sustainability Conference
- Regional Efforts
- Legislative Update

PLACEHOLDER FOR FLEET PRESENTATION



Recycling and Diversion



Automated Collection

- (1) 95 Gallon Trash Cart, (1) 95 Gallon Recycling Cart
- Significantly Increases Recycling Participation
- Increases Accuracy of Information Through Technology
- Increases Labor Diversity Through Equipment Technology
- Increases Route Predictability for Residents by Decreasing Reroutes
- Reduces Cost by Eliminating OBWC Variables
- Reduces Cost by Reducing Labor



Organics Recycling

- Diversion Is Calculated By Weight and Organics Are Heaviest Component Of Solid Waste
- SWACO Grant Funds Are Available To Begin A Pilot Program For Organic Waste Drop Off
- 26.5% of Landfill Material Consists Of Compostable Organic Material



Sustainable Building

- Working With City of Dublin Development To Create Incentives For Sustainable Housing
- Exploring LEED Certification To Gain Knowledge of The Green Construction Industry
- Recycling of Construction Material To Habitat For Humanity or Other Reuse Outlets



Electronics Recycling

- Opened A Temporary Electronic Waste Drop Off At The Dublin Community Recreation Center For Earth Month/April
 - 695 pounds +/-
- Estimated Permanent Location This Autumn
- Monitors, Cell Phones, Keyboards and Other Peripheral Equipment
- Permanent Location Currently At Dublin Service Center
- 68,803 Pounds Of Electronics Recycled Since January of 2018



Dublin Irish Festival - Sustainability

COMMUNITY EVENTS

June 4, 2019



GOAL #2 Increase the Dublin Irish Festival diversion rate

Measure – Increase the Dublin Irish Festival diversion rate from 23% to 30% by 2020.

- Explore hiring a professional waste management company
- Meet with stakeholders to improve onsite operations
- Continue to improve on-site education and awareness of recycling



Zero Waste Event Productions

Leading waste management company for outdoor Festivals

- Landfill diversion
- Festival cleanliness



Grant - Solid Waste Authority of Central Ohio

Recycling Containers



Sorting Center



Landfill Diversion Rate

	2019 Projections	2018
Mixed Recycling	12.2	10.64
Food Composting	2.5	2.15
Municipal Waste	19.3	21.17
Total Waste Stream	34	33.96
% of Total Waste Stream Recycled or Composted	43.26%	37.66%

TONS

15% increase year over year







ROUNDTABLE





WEBSITE





QUESTIONS + NETWORKING

