



M UNIVERSITY OF MICHIGAN
SUSTAINABILITY

U-M Campus Sustainability Integrated Assessment

A Graham Institute and Office of Campus
Sustainability Partnership

Town hall Meeting
January 28, 2010

Campus Sustainability Integrated Assessment

- **Establish broad goals and specific targets**
- **Develop frameworks to guide sustainability**
- **Identify potential demonstration projects**
- **Educate U-M community on sustainability**
- **Use campus as a sustainability lab**
- **Report what we have learned**



Integrated Assessment

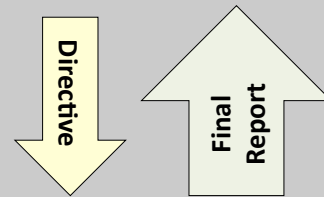
Synthesis and analysis, for a specific issue, that Integrates:



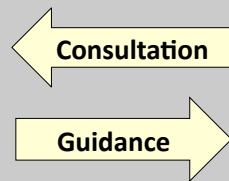
- Stakeholder perspectives
- Multiple disciplines
- Policy contexts
- Causes, consequences, and potential solutions



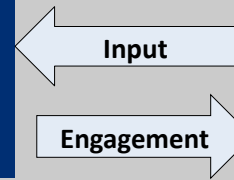
President/Executive Council



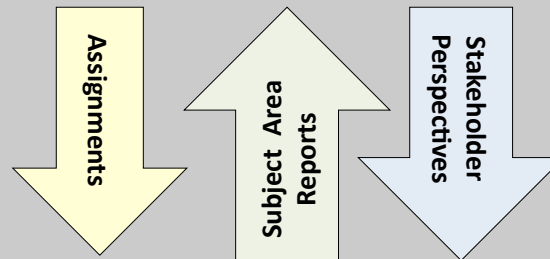
**STEERING
COMMITTEE**



**INTEGRATION
TEAM**



**CAMPUS
STAKE-
HOLDERS**



ANALYSIS TEAMS

CULTURE

BUILDINGS

ENERGY

**TRANSPOR-
TATION**

**LAND &
WATER**

FOOD

**PURCHASING
& RECYCLING**

Analysis Teams

Faculty-led teams

- Informed by Operations and other units
- Staffed with Students

Each *produces a comprehensive report* that:

- Considers stakeholder input
- Evaluates best practices both within and outside U-M
- Investigates emerging technology and policy issues
- Identifies key issues and opportunities
- Discusses strategic goals
- Provides guidance for implementation



Team Summary

Team	Faculty Lead	Focus Area Examples
Building Standards	Geoffrey Thun	Materials, Energy, and Water Criteria, Work Environment
Energy	Greg Keoleian	Wind/Solar, Biofuels, Efficiency, RECs
Water & Land	Stan Jones/ Joan Nassauer	Biodiversity, Storm/Wastewater, Maintenance, Fertilizer/Pesticide Use
Food	Larissa Larsen	Local Sourcing, Organics, Nutrition, Composting
Transportation	Jonathan Levine	Commuting, Campus Transit, Tele-commuting, Walk/Bike-ability
Purchasing and Recycling	Olivier Jolliet	Equipment, Consumables, Toxicity, Reuse/Recycle/Disposal
Culture	Bob Marans	Awareness, Understanding, Involvement Incentives, Commitment



Timeline

Phase 1 (Winter 2010) “What and Why”

Each Analysis Team Will:

- **Frame key issues/questions/opportunities**
- **Identify data needs**
- **Collect data and conduct analysis**
- **Identify general goals for U-M campus**

Timeline (cont'd)

Integration Phase (Summer 2010)

The Integration Team (faculty, Graham, OCS):

- **Identifies priorities from each report**
- **Drafts integration report**
- **Shares report with Executive Council**
- **Executive Council sets focus for Phase 2**

Timeline (cont'd)

Phase 2 (Fall 2010) “How and When”

Each Analysis Team Will:

- **Conduct detailed analysis for refined goals**
- **Estimate benefits and costs**
- **Provide technical implementation guidance**
- **Identify uncertainties**

Timeline (cont'd)

Early 2011

- **Integration Team develops final document that synthesizes the reports of each analysis team**
- **Final report will propose a set of cross-cutting campus sustainability goals that are practicable and informed by the campus.**
- **Final report is presented to the Environmental Sustainability Executive Council for endorsement**

Questions?

Comments?

Ideas?