

**Sustainability, Principles and Practice II. Issues and Solutions**  
**Regional, Local and/or National examples of issues and solutions**  
**Resources to explore (keywords and hints)**

Climate

CHNEP Charlotte Harbor National Estuary Program  
SWFRPC Southwest Florida Regional Planning Council  
Resiliency and Adaptation, Mitigation planning  
    City of Punta Gorda  
    City of Bonita Springs  
    Spring Creek Restoration  
Flood Reduction Proposal  
Greenhouse Gases  
President's Global Climate Commitment  
Discussion question suggestions: 5, 7, 8, 11, 15

Water

Florida Springs  
CERP  
    STA's Everglades  
    Picayune Strand Restoration  
domestic re-use water for irrigation  
Tampa Bay desalinization plant and cost overrun  
Wastewater "lift stations" failure in Bonita Springs after Irma  
Everglades Wetlands Research Park, Bell Mitsch, FGCU Constructed wet lands  
Captains for Clean Water  
Calusa Waterkeeper  
Storm water TMDL's  
IFAS extension services  
Pervious cover vs. impervious  
Discussion questions: 3, 5

Ecosystems and Habitat

What are some of the local endangered and threatened species?  
    Gopher tortoise – Gopher Tortoise Council  
    Florida panther  
    Burrowing owls – Cape Coral Friends of Wildlife  
    Wood storks  
FGCU Bio-Diversity Conference March 2017 proceedings  
Gulf in Peril – Naples News – see me for paper copy  
Rate of Wetland loss in Florida? Lee County?  
Are you anthropocentric?  
Invasive exotic control and costs?  
    Melaleuca, Brazilian Pepper, Burmese python –  
    Conservancy of SWFL

Green iguana, Tegu  
Florida Wildlife Corridor  
Role of National Parks and Monuments  
Bears Ears, Grande Escalante Staircase  
mining  
Restoration Ecology  
Mitigation Parks,  
Conservation Collier, Conservation 20/20  
Reconciliation Ecology  
Audubon Golf Courses  
Rain gardens  
Florida Native Plant Society  
Discussion questions: 1, 2, 3, 4, 5, 8, 10

### Pollution

Fracking chemicals  
Endocrine disruptors – Tyrone, Hayes Atrazine  
Eutrophication  
Bio solids  
Dunbar sludge arsenic  
Arsenic baths for cattle in Florida  
The Endocrine Disruption Exchange  
Plastic Pollution Coalition  
Campaign for Safe Cosmetics  
Kissimmee River Restoration  
5 Gyres  
Pacific Garbage patch  
Gulf of Mexico patch  
Deepwater Horizon “Spill”  
Remediation impacts “Corexit” health  
Discussion:  
1, 3, 5, 7, 9, 10, 14, 17

### Energy

OPEC flood market  
Fracking: Texas North Dakota boom bust Colorado  
Gasland  
Turkey Point Nuclear Reactor – ground water, re-use water, heated water, seepage  
Solar City Babcock Ranch  
2 competing solar amendments in 2016 outcome and action in Florida since  
FPL solar and opponents  
Conduit electricity  
Landfill gas collection  
Automobile efficiency standards rules changes over time

Gas tax implications for funding infrastructure  
Saving through Conservation – why/why not?  
Compare subsidies to fossil fuel? Renewable?  
Discussions: 1, 6, 5

### Green Buildings and Sites

LEED Building's in Florida Gov. Charlie Crist differences in certification levels (gold, silver, and platinum here at FGCU)  
FGCU Chiller Plant Awards FPL  
Hertz Building  
Complete Lee  
Discussion: 13, 14, 15

### Livable Cities

Sprawl  
Lee County DR/GR  
Sustainable cities  
Curitiba, Brazil  
Portland, OR  
[www.abetterleetransite.com](http://www.abetterleetransite.com)  
Bonita Springs Downtown restoration  
SWFL Community Foundation Collaboratory  
Discussion: 4, 5,7,8,9,10, 11,16

### Foods

IFAS Sustainable Agriculture  
CIW - Coalition of Immokalee Workers  
ECHO  
Oakes Farm  
Warden Farm  
Buckingham Farms  
Florida Edible landscaping  
Bio Lee "Organic" Compost  
Symphony of the Soil  
Real Food Challenge FGCU  
Blue Zone  
Discussion: 1, 6, 11

### Products

### Waste and Recycling