



Climate Change & Infrastructure Resilience Workplan Tasks

Aroostook County

Climate Change Project Outline

Based upon initial meeting comments, workplan and grant timeline, we've outlined our project goals and milestones as follows. We've also attempted to identify work teams for each element however these teams are not definite and are subject to the expertise and interest of each Lead Team Member.

September/October 2012

1) Approach additional team member candidates:

(i) (Agriculture Contact, County of Aroostook Contact, and Forest Industry Contact. (Team Joella and Ken)

October/November 2012

2) Data Collection:

a) Obtain Spatial Data:

(i) (Available Lidar, Ortho-Imagery, Hydrology, Flood Plain, additional data required for modeling and Climate Change Lead Team Support (Team Joe Young, Ken Murchison. Resources; Dan Walters and Mike Smith)

b) Obtain Weather Data:

(i) "Flash" events severity and frequency, Inconsistent Weather Patterns (the new "Normal"?), Changes in the timing and nature of flood events (Team Richard Okulski, Dave Putnam. Resource Dan Walters)

c) Agriculture:

(i) Crops and Innovation, Irrigation, Measure of Water Supply and Quality, Erosion, local production storage and distribution (Team Nick Archer, Agriculture Contact, Dave Putnam. Resources Maine Potato Board, UM Extension Service)

d) Forestry:

(i) New and Innovative Harvesting and Management,

e) Energy:

(i) Energy security, Paradigm change from "Heating Days" to Cooling Days", Built in Redundancy

f) Healthy Living:

(i) Local Foods, Epidemiology, Insect Bourne Disease

g) Ecology:

(i) Impacts on Natural Plant and Animal Species (Invasive Species) (Team Dave Putnam, Nick Archer)

h) Land Use Planning:

(i) Policy (Adjacent Land Use and Infrastructure) Social and Economic Impacts, Cropland retention focus on pre disaster mitigation practices for community public works infrastructure or "hardening public works to withstand extreme events" (Team Ken Murchison, Joella Theriault, County Contact, Nick Archer, Robert Watson)

November/December 2012

3) Develop Local Universities Partnership:

(i) Orient University partners on project and outline modeling initiative (Team Ken Murchison, Dave Putnam, Joe Young Resource Dan Walters, Mike Smith)

January/March 2013

4) Outreach to Local Communities Regarding Climate Change and Modeling:

(i) Public Meeting (Team All)

5) Regional Models Under Development and Reporting:

March/June 2013

6) Identify and integrate Grow WA Project element overlap (elements with common concerns)

7) Develop Infrastructure Impact Analysis