

Name of Project*	Implementer: Name, address, and phone number of individual or organization	Utility	Cost Est.	Region/Program
Climate and Biological Response: Research and Applications	NASA	Applications proposals should enhance the management of populations, species, communities, and ecosystems across landscapes and seascapes of concern through the development or improvement of forecasting tools for resource managers that project the impact of a changing climate	\$ 100,000.00	OSA
Vulnerability Assessment Guide	NWF and FWS	Reviews and summarizes the field data and provides recommendations for conducting risk and vulnerability assessments	\$ 30,000.00	OSA
Vulnerability Assessment Training	NWF, NPS, FWS	Provide training on conducting vulnerability assessment to Program and Regional Staff	\$ 30,000.00	OSA
User's Guide to Climate Model Downscaling	Katharine Hayhoe, Texas Tech and ARC	Reviews and summarizes the field data and provides recommendations for using downscaled climate model outputs with ecological response models	\$ 70,000.00	OSA
Adaptation Workshop	NWF, NOAA, FWS	Conserving Natural Systems in a Rapidly Changing Climate	\$ 50,000.00	OSA
Scenario planning training workshops	NPS, FWS, USGS, Global Business Network (contractor)	Resource management decisions must be based on anticipated future conditions, which are inherently difficult to accurately predict. Over the last two years, the National Park Service (NPS) has been exploring scenario planning as an approach for science-based decision-making in the face of an uncertain future. This project proposes to build on NPS' effort, by supporting additional training workshops, 1 per each of the 2010 first generation LCCs, with LCC partners and key stake holders	\$ 200,000.00	R-7

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Climate envelope models in support of landscape conservation	Frank Mazzotti/James Watling University of Florida, Laura Brandt FWS, Stephanie Romañach/Craig Conelmann USGS	Enhance the FWS climate change toolbox by (1) providing a technical guidebook for construction and use of climate envelope models, (2) developing a series of innovative, data-driven models for key FWS species and (3) integrating models with a universal visualization platform	\$ 384,000.00	R-4
Flow 2011 Workshop	Instream Flow Council, www.instreamflowcouncil.org, Executive Director, Kathleen Williams, k.williams@bresnan.net	Improve ability to quantify socioeconomic values and benefits of ecological flows/water levels critical to climate change adaptation and associated water management decisions/outcomes	\$ 40,000.00	FHC
National Stream Gauge Network Gap Analysis	Doug Beard, USGS National Climate Change & Wildlife Science Center, dbeard@usgs.gov, 703-648-4215	Identify and prioritize flow and water level information gaps required to improve precision and accuracy for water dependent climate change adaptation predictive models	\$ 125,000.00	FHC
Developing a Management Model of the Effects of Future Climate Change on Species: A Tool for the Landscape Conservation Cooperatives	Audubon, in collaboration with U.S. Geological Survey and U.S. Fish and Wildlife Service	To model the effects of future climate change on bird distribution and status in the 48-contiguous states and to provide the results to the conservation planning processes for all the Landscape Conservation Cooperatives. This information is critical to the design and implementation of management and conservation strategies that will help ecosystems and species adapt to current and future climate change	\$ 271,000.00	MB

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Predicting migratory bird responses to climate change: adjusting adaptive habitat and harvest management frameworks for non-stationary system dynamics	USGS and FWS Division of Migratory Bird Management	This project will result in models that predict a range of uncertain effects of climate change on migratory bird habitats and populations. These models will have wide-spread application to regional (i.e., LCCs and JVs) and continental scale conservation and population management decision making. Uncertainty about climate change effects on system dynamics will be directly accommodated through development of competing system models.	\$ 250,000.00	MB
Best Land Management Practices Under Climate Change	Wildlife Habitat Council (WHC), National Wildlife Federation (NWF), NatureServe, the Refuge System, the FWS National Conservation Training Center, and several corporate biologists. Other potential collaborators include the Heinz Center, National Fish and Wildlife Foundation, The Nature Conservancy, and the Association of Fish and Wildlife Agencies.	This proposes development of a handbook and/or web based tool to support the planning and implementation of natural resource land management practices in the context of climate change.	\$ 150,000.00	NWRS
Using dynamic linear modeling to characterize hydrologic regimes and detect flow modifications at multiple temporal scales	U.S. Geological Survey, University of Washington, University of Massachusetts, U.S. Fish and Wildlife Service	This proposal would develop models that bridge the gap between very broad-scale empirical models with lots of uncertainty and fine-scale, mechanistic models that account for every drop of water, but are not feasible at larger landscape levels. The models developed under this proposal are necessary precursors to modeling the impacts of climate change on hydrologic regimes which play a critical role in sustaining aquatic natural resources.	\$ 200,000.00	R-5

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Provide Collaborative Tools and Support to LCCs	FWS/IRTM	Temporary Contractor to work with LCCs on their websites and LCC network Sharepoint capabilities	\$100,000	IRTM
TOTAL			\$ 2,000,000.00	