



National Weather Service

OA Q1FY11 Quarterly Report – January 31, 2011



Current Qtr Customer Business & Strategic Results

- Implement NDFD driven wave model for Great Lakes (complete 2 November 2010)
- Submit configuration for Gridpoint Statistical Interpolation (GSI) global analysis system upgrade in preparation for Q3 implementation (complete, 17 December 2010)
- Implement North American Ensemble Forecast System (NAEFS) products for Alaska (O&M, complete 7 December 2010)
- Implement new Sea Surface Temperature (SST) product using AMSR-E microwave SST retrievals (O&M, complete 27 October 2010)



Next Qtr Customer Business & Strategic Results

- Create and implement high resolution nested NAM domain and increase Hawaii and Puerto Rico nests within new NEMS system for Q3 implementation
- Complete testing of GSI global analysis upgrade for Q3 implementation
- Continue Scientific Support Services
- Continue operations and maintenance
- Develop 22 km global forecast system with advanced data assimilation techniques



Risks, Issues, and Innovations

- Issue: NCEP's operational and backup computers are full; limited room for additional implementations in FY11-FY13
- Innovation: move new system development to other non-NCEP computing resources and continue development in preparation for computer upgrade in FY13 and operational implementation in FY14
- Inefficient implementation process is increasing current implementation backlog; implementation process is being revised to increase efficiency and throughput
- Funding decreases may reduce staff; rate of system development may be insufficient to meet emerging requirements



Planned & Actual Expenditures (FY11)

Milestone	Planned Cost	Actual Cost	Variance
Continue Scientific Support Services	\$19707	\$19707	0
Create high resolution nested NAM domain and increase Hawaii and Puerto Rico nests	\$5360	\$5360	0
Implement NDFD driven wave model for Great Lakes	\$500	\$500	0
Develop 22 km global forecast system with advanced data assimilation techniques	\$9100	\$9100	0
Operations and maintenance	\$5245	\$5245	0



Red = Management attention required



Yellow = Potential management action required



Green = Necessary and on-track