

Quarterly Operational Analysis Report

Reporting Period: October – December 2007

Investment Name: Office of Hydrologic Development (OHD)

Exhibit 300 UPI Code: 006-48-01-12-01-3115-00

Funding Level (\$K, FY08 PB): 3,291

Performance Measures:

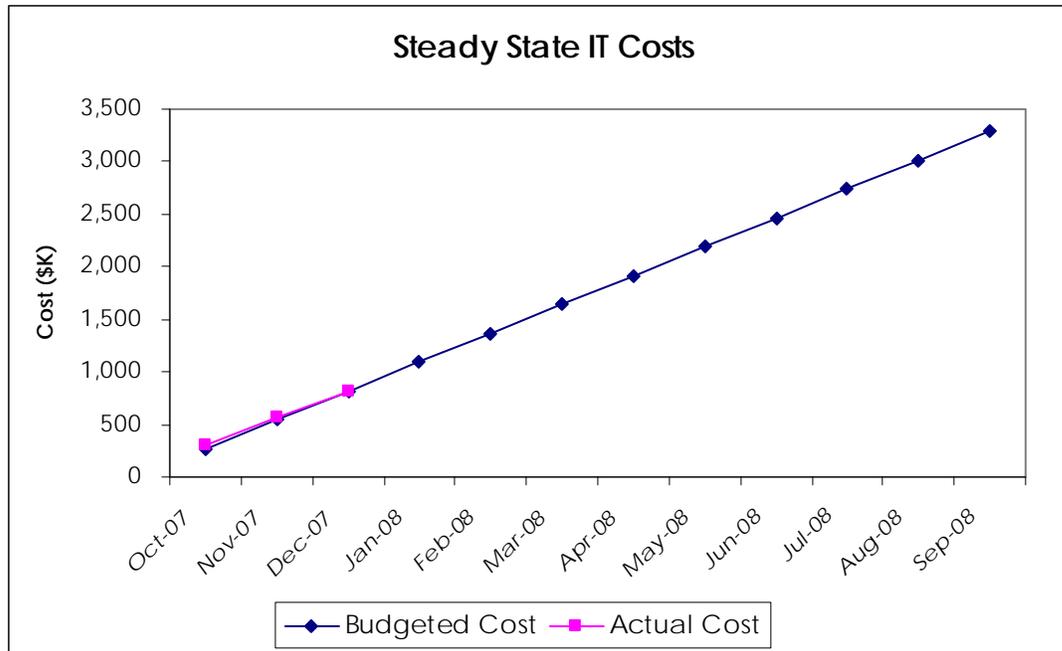
Measurement Indicator	2007 Performance Baseline	Performance Through December 31, 2007	Comments
Hydrology program customer satisfaction index	79%	N / A	New Customer Satisfaction Index Survey to be completed in FY2008
Hydromet observation data delivery to NWS field offices (Minutes)	3.5 Minutes	2.2 Minutes	
OHD development environment IT availability	95%	99%	
River and Lake Probabilistic Forecasts (Locations)	1949 Locations	2037 Locations	88 new locations implemented in Q1.

This Operational Analysis report addresses the steady-state IT portion of AHPS (Advanced Hydrologic Prediction Service), NOAA's Water Resources program, and the IT elements of the Office of Hydrologic Development (OHD) organization. OHD continues to effectively support NOAA's Strategic Plan Mission Goal to serve society's needs for weather and water information.

AHPS and Water Resources continue to track or meet FY08 goals and customers needs in a cost-effective manner. In November 2007 the National Weather Service approved a new baseline for the "River and Lake Probabilistic Forecasts" performance measure. In the first quarter 88 new locations were implemented. A total of 308 locations are planned for FY2008.

OHD's two systems – Hydrometeorological Automated Data System (HADS) and Development Environment Information Technology (DEIT) – are exceeding performance measures. Certification and Accreditations are underway for both systems and will be completed in January 2008.

Financial performance – the first quarter expenditure variance is less than one-half percent.



Innovation (Highlights) – OHD continues to work on several software packages for AWIPS OB 8.2, 8.3 and 9.0.

At a workshop the week of December 17, Delft Hydraulics (now Deltares) presented and demonstrated the final version of the Community Hydrologic Prediction System (CHPS) FEWS Pilot system. At the end of the first day of presentations, the CHPS Acceleration Team (CAT) concluded that it is now satisfied that FEWS is a comprehensive platform which can be adapted to meet the current operational needs of NWS RFCs (i.e., is a suitable foundation for an NWSRFS replacement); and additionally has the potential to meet future needs of CHPS as a whole. The CAT is preparing a final recommendation paper to be delivered to the OHD Director.

As of December 31st, there were 13,009 data points defined in the HADS network providing 2.2 to 2.3 million data values each day. The network continues to expand at rates of 4% - 5% per year and 552 new reporting sites were added to the network during 2007. Significant maintenance efforts continue as the owners/operators of the GOES DCS platform migrate their older platforms to the High Data Rate (HDR) systems and change their transmission frequencies to a 1-hour cycle.

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