

**Table 1: FY11 OCWWS Training Division (OS6) Managed Training (\$K) - 7/11/11 Update**

PNS ID / Title	FY11 Cost	Funding	Comments
HY26 RFC Workshops	\$ 30	Base	1 workshop
FW01 IMET Workshop	\$ 151	Base	Run by OS22 in March. Was \$180K...came in at \$151K
LE07 NWS Headquarters Operations Management Course	\$ 8	Base	2 offerings held in FY11. Moved from NWSTC budget since OS6 accounting code charged.
Regional Training Funds	\$ 175	Base	
<b>Regional Training Fund Breakout (\$K)</b>			
Alaska Region	\$7		
Central Region	\$45		
Eastern Region	\$30		
Pacific Region	\$9		
Southern Region	\$42		
Western Region	\$32		
NCEP	\$10		
<b>Total</b>	<b>\$175</b>		

**OS6 Infrastructure**

Title	FY11 Cost	Funding	Comments
AMS Journals	\$ 150	Base	Funds Monthly Weather Review, Weather and Forecasting, Weather and Society
GoToMeeting Licenses for TD	\$ 15	Base	Moved from WDTB budget
HOTG Planning Meetings	\$ 15	Base	\$15K cut...was \$30K.
LMS License	\$ 147	Base	NWS part of annual NOAA LMS Charge. Was \$175K...came in at \$147K
LMS/MetEd Data Transfer	\$ 3	Base	Annual charge
NSTEP Meetings	\$ 20	Base	\$15K cut...was \$35K.
Operating Costs	\$ 22	Base	Was originally \$40K. \$18K cut
Phone/Telecom Costs	\$ 10	Base	
<b>Total OS6 Base Training Deliverables</b>	<b>\$ 364</b>		
<b>Total OS6 Infrastructure Costs - Base</b>	<b>\$ 382</b>		
<b>GRAND Total OS6 Base Funding</b>	<b>\$ 746</b>		

**Table 2: FY11 NWS Training Center (OS61) Coordinated Training (\$K) - 7/11/11 Update**

PNS ID / Title	FY11 Cost	Funding	Comments
<b>NWSTC Training Deliverables</b>			
<a href="#">CL02 Operational Climate Services Course</a>	\$ 55	Base	1 offering - 4/26-28
<a href="#">EE05 NWR / Armstrong Transmitter Maintenance course (old transmitter)</a>	\$ 15	Base	1 offering - 4/11-15
<a href="#">EE05 NWR / Armstrong (2010) Transmitter Maintenance course</a>	\$ 85	Base	5 offerings total for new transmitter in FY11 +\$10K lab upgrade. \$55K was AA funds. 3 offerings remain - 3/21-25; 7/18-22; 8/1-5
<a href="#">EE06 NWR / Crown Transmitter Maintenance course</a>	\$ 8	Base	<b>1 offering already occurred. No further offerings in FY11</b>
<a href="#">EE10 Radiosonde Replacement System (RRS) Maintenance (attrition) course</a>	\$ 45	Base	4 total offerings in FY11. \$30K was AA funds. 3 offerings remain - 4/20-28; 5/18-26; 8/17-25
<a href="#">EE25 NWR / Nautel Transmitter Maintenance course</a>	\$ 30	Base	2 offerings. 1 offering remains - 3/7-11
HY36 Community Hydro Prediction Sys (CHPS) Training for RFCs	\$ 10	Base	
IA01 International Weather and Water Leadership	\$ -	Base	FTE time only; .05 per Met, Eng & Mgmt
<a href="#">LE01 Management and Supervision course</a>	\$ 90	Base	2 offerings were scheduled for FY11. Second offering deferred to FY12 due to budget reduction. \$30K cut.
<del>LE04 Leadership Foundations Field Requirements Team</del>	<del>\$ -</del>	Base	Will use internal NWSTC funds/resources. No work done in FY11 due to short staffing and budget cuts.
<a href="#">LE05 Field Operations Management course</a>	\$ 96	Base	3 offerings were scheduled in FY11. 3rd offering deferred to FY12 due to budget reduction. \$48K cut.
LE09 New Hire - NWS New Employee Introduction	\$ -	Base	FTE time only. Only limited advances in FY11.
LE10 Human Factors Training for NWS Forecasters	\$ 44	Base	\$256K cut.
<a href="#">OB01 Data Acquisition Operations (DATAC) course</a>	\$ 54	Base	2 offerings.
<a href="#">OB03 Cooperative Network Operations course</a>	\$ 106	Base	2 offerings.
<a href="#">SA01 Environmental Compliance (attrition) course</a>	\$ 60	Base	1 offering - 6/14-17
<a href="#">SA02 Fall Protection &amp; Rescue (initial/attrition) course</a>	\$ 79	Base	2 offerings - 5/2-4 and 6/6-8
<a href="#">SA03 Fall Protection &amp; Rescue (recertification) course</a>	\$ 316	Base	11 offerings: 1 in HI, 1 in AK, 5 at NWSTC, 2 at NDBC, 1 in Norman, OK. See <a href="http://www.weather.gov/training/PrintSched.php#fpr11r">http://www.weather.gov/training/PrintSched.php#fpr11r</a> for schedule
<a href="#">SA04 Safety Training (attrition)</a>	\$ 63	Base	1 offering - 4/26-29
<a href="#">WM04 WCM/SCH Course</a>	\$ 95	Base	1 offering in December, 2010. No further offerings in FY11.
<a href="#">HY03 Advanced Hydrologic Applications course</a>	\$ 28	AWIPS	2 offerings + development costs. 2nd offering was not offered due to AWIPS II delays. FY12 offerings will be Distance Learning.
<a href="#">HY13 WFO Hydrology Program Management course</a>	\$ 37	AWIPS	1 offering - 8/16-19
<a href="#">IT04 Linux for WFOs/RFCs course</a>	\$ 48	AWIPS	1 offering in 1st Quarter FY11. No further offerings in FY11. Deferred to FY12 due to AWIPS schedule adjustment. Was \$6K.
IT06 AWIPS Migration Focal Point Deployment	\$ -	AWIPS	
<a href="#">IT07 AWIPS-II System Admin OT&amp;E res course</a>	*	AWIPS	2 Raytheon-taught offerings for Field OT&E. All travel cost direct cited to OST accounting code.

IT07a AWIPS-II System Admin Deployment res course - 1st person/site	\$	-	AWIPS	Training deferred to FY12. Was \$106K.
IT08 AWIPS-II Local Applications Development	\$	-	AWIPS	FTE time only
IT17 AWIPS-II Variance Training	\$	-	AWIPS	FTE time only
IT26 AWIPS-II Local Applications Field Requirements Team	\$	-	AWIPS	Deferred to FY12 due to AWIPS schedule adjustment. Was \$16K.
IT31 Linux for WFOs/RFCs course Field Requirements Team	\$	-	AWIPS	Deferred to FY12 due to AWIPS schedule adjustment. Was \$16K.
ME20 AWIPS-II Enhancements Training	\$	-	AWIPS	FTE time only
<a href="#">EE01 ASOS Maintenance course</a>	\$	128	ASOS	3 offerings. 1 remains for FY11 - 8/10-25.
EE22 NEXRAD Dual-Pol Development Support	\$	72	Dual-Pol	2 classes
HY36 Community Hydro Prediction Sys (CHPS) Training for RFCs	\$	110	AHPS	CIMMS support hired to teach
<a href="#">EE08 WSR-88D Maintenance course</a>	\$	122	NEXRAD	3 offerings. 1 offering remains - 8/17-9/21
<a href="#">ME01 WSR-88D Distance Learning Operations Course</a>	\$	-	NEXRAD	Funds under WDTB
EE20 Wind Profiler Deployment Support	\$	58	Profiler	
<a href="#">EE23 RRS Maintenance (deployment) course</a>	\$	-	RRS	Exact cost and number of courses TBD - based on deployment schedule. 1 offering held so far in FY11
<a href="#">EE03 Weather Radio Improvement Program (WRIP) Maintenance course &amp; Support</a>	\$	-	WRIP	WRIP funded deferred to FY12. to support delayed deployment training
<a href="#">EE03 Weather Radio Improvement Program (WRIP) Maintenance course &amp; Support</a>	\$	60	Base	OT&E training TBD
<a href="#">ME47 WRIP Focal Point Deployment course</a>	\$	40	Base	OT&E training TBD

NWSTC Infrastructure			
Title	FY11 Cost	Funding	Comments
NWSTC Administrative Budget	\$ 289	Base	\$28K cut
NWSTC NLSC Costs	\$ 70	NEXRAD	
Total NWSTC AHPS Funding	\$ 110		
Total NWSTC ASOS Funding	\$ 128		
Total NWSTC AWIPS Funding	\$ 113		
Total NWSTC Base Deliverable Funding	\$ 1,351		
Total NWSTC Base Infrastructure Funding	\$ 289		
<b>GRAND Total NWSTC Base Funding</b>	<b>\$ 1,640</b>		
Total NWSTC Dual-Pol Funding	\$ 72		
Total NWSTC NEXRAD Deliverable Funding	\$ 122		
Total NWSTC NEXRAD Infrastructure Funding	\$ 70		
Grand Total NWSTC NEXRAD Funding	\$ 192		
Total NWSTC Profiler Training	\$ 58		
Total NWSTC RRS Funding	\$ -		
Total NWSTC WRIP Funding	\$ -		
<b>GRAND Total NWSTC Funding</b>	<b>\$ 2,313</b>		

**Table 3: FY11 Warning Decision Training Branch (OS62) Coordinated Training (\$K) - 7/11/11 Update**

Title	FY11 Cost	Funding	Comments
<b>WDTB Training Deliverables</b>			
<del>AV14 WES Simulations for CWSU Meteorologists-</del>	<del>\$</del>	Base	Cut due to budget shortfall. Was \$85K.
<del>DE02 Mother's Day Service Assessment - Rec-2 - (Communicating Risks in High-Impact Events)-</del>	<del>\$</del>	Base	Deferred until FY12 due to budget. Was \$19K.
IA01 International Weather and Water Leadership	\$ 14	Base	
IN01 Support NWS LEARN Center and Sub LEARN Centers	\$ 127	Base	
LE08 Seasonal Readiness Assessment - Convective Weather	\$ 18	Base	
<del>ME43 Tornado and Severe Thunderstorm Warning Best Practices - Super-Tuesday Service Assessment-</del>	<del>\$ 18</del>	Base	Double counted. Accounted for in line 21 below.
AV15 WES Machine Upgrade for CWSUs	\$ 50	Base	Already spent in FY11
<a href="#">ME12 Advanced Warning Operations Course (AWOC) - Core Decision Making - Distance Learning</a>	\$ 32	Base	
ME12a AWOC - In Residence Facilitation Training	\$ 37	Base	2 workshops originally scheduled for FY11. One held; the second deferred to early FY12 (October 24-28).
<del>ME13 AWOC - Severe Weather Warnings</del>	<del>\$</del>	Base	Cut due to budget reduction. Was \$41K.
<del>ME15 AWOC - Winter Weather Warnings</del>	<del>\$</del>	Base	Cut due to budget reduction. Was \$14K.
ME23 WSR-88D Dual-Polarization Operations Course	\$ 109	Base	
ME39 Dual-Pol Education and Outreach	\$ 27	Base	
ME43 Tornado and Severe Thunderstorm Warning Best Practices - SE Floods Service Assessment	\$ 29	Base	
IT06 AWIPS II Focal Point Training (Warning Related)	\$ 112	AWIPS	Expenses=Travel; meeting support; workstation
IT09 Weather Event Simulator (WES)-II Bridge for AWIPS II	\$ 157	AWIPS	
IT17 AWIPS II Variance Training	\$ 67	AWIPS	Expenses = workstation
<del>ME20 AWIPS II Enhancements Training</del>	<del>\$</del>	AWIPS	Deferred to FY12 with AWIPS II schedule slip.
ME22 WES Development and Support (AWIPS-I)	\$ 91	AWIPS	WES Development and Support.
ME55 WES Logistics Support Funds	\$ 30	AWIPS	Spare Parts not under warranty
NP01 Effective Use of Numerical Weather Prediction in the Forecast Process	\$ 43	AWIPS	For Simulations Development; includes 1 coordination trip
<a href="#">ME01 Distance Learning Operations Course (DLOC)</a>	\$ 319	NEXRAD	Distance Learning and Workshops - Capacity 120 Slots (5 workshops). Already held
ME41 Coordination, Collaboration, & Communication During Warning Events	\$ 12	SeaGrant	FY11 Norman Severe Weather Workshop Support
<b>WDTB Infrastructure</b>			
Title	FY11 Cost	Funding	Comments
<b>Activities &amp; Outreach</b>			
External Collaboration (CASA, etc.)	\$ 57	NEXRAD	CIMMS Staff and Expenses
Rapid Response	\$ 68	Base	CIMMS Staff
<b>Operations</b>			
IT Infrastructure	\$ 187	NEXRAD	CIMMS Staff and \$50K Expenses
Operating Costs	\$ 25	NEXRAD	Expenses
Professional Development	\$ 40	NEXRAD	CIMMS Staff
Professional Development	\$ 46	Base	CIMMS Staff
Real-Time Data	\$ 41	NEXRAD	CIMMS Staff
Rent	\$ 80	NEXRAD	Expenses
Web Server Administration	\$ 9	NEXRAD	CIMMS Staff
Website Development and Maintenance	\$ 27	NEXRAD	CIMMS Staff
Total WDTB NEXRAD Administrative Budget	\$ 466	NEXRAD	
Total WDTB Base Deliverable Funding	\$ 443		
Total WDTB Base Infrastructure Funding	\$ 129		
GRAND TOTAL WDTB Base Funding	\$ 572		
Total WDTB AWIPS Funding	\$ 500		
Total WDTB NEXRAD Training Funding	\$ 319		
Total WDTB NEXRAD Admin Funding	\$ 466		
GRAND TOTAL WDTB NEXRAD Funding	\$ 785		
Total WDTB SeaGrant Funding	\$ 12		
<b>GRAND Total WDTB Funding</b>	<b>\$ 1,869</b>		

**Table 4 - FY11 Forecast Decision Training Branch (OS63) Coordinated Training (\$K) - 7/11/11 Update**

Title	FY11 Cost	Funding	Comments
<b>FDTB Training Deliverables</b>			
CL12 Advanced Climate Variability and Change Course	\$ 6	Base	Preparation for Pilot Course, which is deferred to November, 2011.
<a href="#">HY11 Flash Flood/QPE residence course</a>	\$ 10	Base	\$5K was AA funds. Funds SME travel and portion of student travel
<a href="#">HY14 Advanced Hydro Science course</a>	\$ -	Base	Converted to a virtual course for FY11. \$40K student travel cut.
HY19 Short and Long Term Ensembles Module	\$ 10	Base	
HY36 Community Hydrologic Prediction System (CHPS) Configuration at RFCs	\$ -	Base	Staff Time Only; Funds under NWSTC
IA01 International Weather and Water Leadership	\$ 5	Base	
IN01 Support NWS LEARN Center & Sub LEARN Centers	\$ -	Base	Staff Time Only
<del>ME07 Boundary Layer Processes (Virtual Course)</del>	<del>\$ -</del>	Base	<del>Staff Time Only; Deferred until Jan. 2012.</del>
ME09 COMAP Symp on QPF/Rapid Onset Floods	\$ 10	Base	1 offering; Travel for course instructors
<a href="#">ME49a Met Services of Canada (MSC) Winter Weather Workshop</a>	\$ 8	Base	Travel for 3 NWS instructors
<a href="#">ME49b Met Services of Canada (MSC) Winter Weather Workshop</a>	\$ 10	Base	Travel for 5 students
ME62 Marine Weather Services Professional Development Series (PDS) Development	\$ 10	Base	Travel for FTE; other funds under COMET
IT06 AWIPS II Focal Point Training	\$ -	AWIPS	Staff Time Only
IT17 AWIPS II Variance Training	\$ -	AWIPS	
ME20 AWIPS II Enhancements Training	\$ -	AWIPS	
ME33 Tropical Ops and Configuration Training	\$ 3	AWIPS	Travel costs
NP01 Effective Use of Numerical Weather Prediction in the Forecast Process	\$ -	AWIPS	Staff Time Only
<a href="#">HY11 Flash Flood/QPE residence course</a>	\$ -	AHPS	Funds Government Travel. Other costs under COMET. Covered by FY10 supplement funding (\$38K)
IS01 SHyMet Course - Interns	\$ 16	NESDIS	
IS03 Observing & Forecasting Satellite - GOES-R+	\$ -	NESDIS	Staff Time Only
IS06 Satellite Remote Sensing for Hydrology	184	NESDIS	
ME40 Improved HYSPLIT Model Depiction/Delivery (OSIP 07-039)	\$ -	N/A	Staff Time Only
<b>FDTB Infrastructure</b>			
Title	FY11 Cost	Funding	Comments
Operating Costs/Admin Costs	\$ 35	Base	\$13K total cut for FY11.
VISIT Team Salaries	\$ 200	Base	\$165K total reduction for FY11 (45% cut). Includes salaries and website dev/maint.
PDS Development / NWS Travel to COMET	\$ 20	Base	
<b>Total FDTB Base Deliverables</b>	<b>\$ 69</b>		
<b>Total FDTB Base Infrastructure</b>	<b>\$ 255</b>		
<b>Total FDTB Base Funding</b>	<b>\$ 324</b>		
<b>Total FDTB AWIPS Funding</b>	<b>\$ 3</b>		
<b>Total FDTB AHPS Funding</b>	<b>\$ -</b>		
<b>Total FDTB NESDIS Funding</b>	<b>\$ 200</b>		
<b>GRAND Total FDTB Funding</b>	<b>\$ 527</b>		

**Table 5: Cooperative Program for Meteorology, Education & Training (COMET®) Program  
FY11 Training Deliverables (\$K) - 7/11/11 Update**

Title	FY11 Cost	Funding	Comments
<b>COMET® Training Deliverables</b>			
<a href="#">CL01 Virtual Climate Variability Workshop</a>	\$ 18	Base	1 offering deferred until FY12 (Oct. 24-27)
<del>CL12 Advanced Climate Variability and Change Course</del>	<del>\$ 89</del>	Base	1 offering - pilot course - deferred until FY12 (Nov. 14-18)
IA01 International Weather and Water Leadership	\$ 26	Base	
IN12 Maintaining Workforce Knowledge & Skills; Currency of Distance Learning Materials	\$ 125	Base	Must-do per NWS Director
<del>ME07 Boundary Layer Processes (Virtual Course)</del>	<del>\$ 19</del>	Base	Canceled
ME09 COMAP Symp on QPF/Rapid Onset Floods	\$ 38	Base	1 offering. Travel costs under FDTB.
<a href="#">ME49 Met Services of Canada (MSC) Winter Weather Workshop</a>	\$ -	Base	Funds covered under FDTB
ME62 Marine Weather Services Professional Development Series (PDS) Development	\$ -	Base	Funds covered under FDTB
SS01a Social Science Training	\$ 17	Base	Used to capture WAS'IS Workshop.
NP01 Effective Use of NWP in the Forecast Process	\$ 341	AWIPS	NWP Team Salaries
NP01a Effective Use of NWP in the Forecast Process - Instructional Design Costs	\$ 57	AWIPS	Provide Instructional Design Support to NWP Team
NP01b NWP Team - Restore FY10 Fund Shortfall	\$ 137	AWIPS	Restores FY10 AWIPS O&M Funding Cut
AV10 Volcanic Ash Training/DLAC-III	\$ 300	Aviation	Funded by OCWWS Aviation Services Branch
IN10 PDS Update/Coordination - Fire Weather	\$ -	Fire Weather	No fire weather funding for FY11.
<a href="#">HY11 Flash Flood/QPE residence course</a>	\$ 19	AHPS	
<a href="#">HY14 Advanced Hydro Science residence course</a>	\$ 60	AHPS	AHPS funding COMET portion of course. Covered by FY10 supplement funding.
IS03 Earth Observing & Forecasting Satellite - JPSS	\$ 150	JPSS	Expected FY11 funding.
IS03 Earth Observing & Forecasting Satellite - GOES-R+	\$ 350	NESDIS	
<b>COMET Infrastructure</b>			
Title	FY11 Cost	Funding	Comments
Operating Costs	\$ 1,576	Base	COMET Grant - Core Funding. \$370K cut.
Total COMET Base Deliverable Funding	\$ 224		
Total COMET Base Infrastructure	\$ 1,576		
<b>Total COMET Base Funding</b>	<b>\$ 1,800</b>		
<b>Total COMET AWIPS Funding</b>	<b>\$ 535</b>		
Total COMET Aviation Funding	\$ 300		
Total COMWT JPSS Funding	\$ 150		
Total COMET Fire Weather Funding	\$ -		
Total COMET AHPS Funding	\$ 79		
Total COMET NESDIS Funding	\$ 350		
<b>GRAND Total COMET Funding</b>	<b>\$ 3,214</b>		

**Table 6 - FY11 In-Residence Training (7/11/11 Update)**

PNS #	NWSTC	Funding Source	NWS		Courses Funded	Course Slots								Reqstd Slots	Course Need	Costs per Course							Total Cost	
			Students / Course	# Days / Course		AR	CR	ER	PR	SR	WR	NCEP	Other			Class Hotel	Class PerDiem	Instructor Hotel	Instructor Per Diem	Contracts	Supplies	Single Course		
EE01	<a href="#">ASOS Maintenance</a>	ASOS	8	13	3.4									0	4.63	\$ 14,256	\$ 14,496					\$ 1,438	\$ 30,190	\$ 102,645
CL02	<a href="#">Operational Climate Services Course</a>	Base	27	3	1										2.00	\$ 10,692	\$ 29,268	\$ 2,673	\$ 9,252			\$ 2,594	\$ 54,479	\$ 54,479
EE05	<a href="#">NWR / Armstrong Transmitter Maintenance</a>	Base	8	5	1									0	3.75	\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 14,969	
EE05	<a href="#">NWR / Armstrong (2010) Transmitter Maintenance</a>	Base	8	5	5											\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 74,844	
EE06	<a href="#">NWR / Crown Transmitter Maintenance</a>	Base	5	3	1									0	4.00	\$ 1,980	\$ 5,420				\$ 370	\$ 7,770	\$ 7,770	
EE10	<a href="#">RRS Maintenance (attrition)</a>	Base	6	7	3									0	4.50	\$ 5,940	\$ 8,376				\$ 716	\$ 15,032	\$ 45,095	
EE25	<a href="#">NWR / Nautil Transmitter Maintenance</a>	Base	8	5	2									0	4.00	\$ 1,980	\$ 5,420				\$ 370	\$ 7,770	\$ 15,540	
OB01	<a href="#">Data Acquisition Operations (DATAC)</a>	Base	16	3	2									0	3.00	\$ 6,336	\$ 17,344	\$ 396	\$ 1,078		\$ 1,258	\$ 26,412	\$ 52,823	
OB03	<a href="#">Cooperative Network Operations</a>	Base	16	8	2									0	3.00	\$ 17,424	\$ 23,168	\$ 3,861	\$ 5,462		\$ 2,496	\$ 52,411	\$ 104,822	
LE01	<a href="#">Management and Supervision</a>	Base	15	9.5	1									0	2.00	\$ 23,760	\$ 30,000	\$ 396	\$ 1,956	\$ 12,500	\$ 5,201	\$ 73,813	\$ 73,813	
LE05	<a href="#">Field Operations Management</a>	Base	24	4.5	2									0	3.00	\$ 11,880	\$ 27,264			\$ 6,500	\$ 2,282	\$ 47,926	\$ 95,852	
SA01	<a href="#">Environmental Compliance (attrition)</a>	Base	27	3.5	1									0	1.00	\$ 10,692	\$ 29,268			\$ 17,000	\$ 2,848	\$ 59,808	\$ 59,808	
SA02	<a href="#">Fall Protection &amp; Rescue (initial/attrition)</a>	Base	17	2.5	2									0	2.00	\$ 5,049	\$ 15,725			\$ 14,300	\$ 1,774	\$ 36,848	\$ 73,696	
SA03	<a href="#">Fall Protection &amp; Rescue (recertification)</a>	Base	17	2.5	8									0	8.00	\$ 5,049	\$ 15,725			\$ 14,300	\$ 1,774	\$ 36,848	\$ 294,784	
SA04	<a href="#">Safety Training (attrition)</a>	Base	28	3.5	1									0	1.00	\$ 11,088	\$ 30,352			\$ 16,000	\$ 2,872	\$ 60,312	\$ 60,312	
WM04	<a href="#">WCM/SCH Course</a>	Base	25	8	1										1.00	\$ 27,225	\$ 36,200			\$ 2,500	\$ 3,296	\$ 69,221	\$ 69,221	
HY03	<a href="#">Advanced Hydrologic Applications</a>	AWIPS	8	3	1									0	2.00	\$ 3,168	\$ 8,672	\$ 396	\$ 1,078	\$ 2,000	\$ 666	\$ 15,980	\$ 15,980	
HY13	<a href="#">WFO Hydrology Program Management</a>	AWIPS	16	3.5	1									0	1.00	\$ 6,336	\$ 17,344	\$ 891	\$ 4,840	\$ 2,500	\$ 1,596	\$ 33,507	\$ 33,507	
IT04	<a href="#">Linux for WFOs/REC's</a>	AWIPS	18	8	1									0	1.00	\$ 19,602	\$ 26,064				\$ 2,283	\$ 47,949	\$ 47,949	
EE08	<a href="#">WSR-88D Maintenance</a>	NEXRAD	8	25	2									0	2.00	\$ 29,304	\$ 22,400				\$ 2,585	\$ 54,289	\$ 108,578	
EE22	<a href="#">WSR-88D Dual Pol Maintenance</a>	Dual Pol	10	6	2											\$ 8,920	\$ 13,440				\$ 1,118	\$ 23,468	\$ 46,935	
EE23	<a href="#">RRS Maintenance (deployment)</a>	RRS	6	7	1											\$ 29,700	\$ 8,376				\$ 716	\$ 15,032	\$ 15,032	
EE03	<a href="#">WRIP Maintenance</a>	WRIP	8	5	2									0	5.00	\$ 5,940	\$ 13,632				\$ 9,606	\$ 30,156	\$ 60,312	
ME47	<a href="#">WRIP Focal Point Deployment</a>	WRIP	8	3	2									0	4.00	\$ 4,800	\$ 12,200	\$ 396	\$ 1,078		\$ 1,258	\$ 19,548	\$ 39,096	
<b>Total NWSTC Residence</b>																							\$ 1,567,862	
<b>WDTB</b>																								
ME12a	<a href="#">AWOC Facilitation Workshop</a>	AA	24	3.5	1										2.00									\$ 37,000
ME01	<a href="#">WSR-88D Distance Learning Operations Course Workshop</a>	NEXRAD	24	4.5	5									0	5.00	\$ 8,400	\$ 25,476			\$ 15,524	\$ 2,800	\$ 52,200	\$ 261,000	
<b>COMET</b>																								
HY11	<a href="#">Flash Flood/QPE residence course</a>	AHPS	21	3	1									0	1.00									\$ 5,000
ME49	<a href="#">Canada Winter Weather Workshop</a>	Base	4	8	1									6	1.00	\$ 4,532	\$ 5,414			\$ 4,567		\$ 14,513	\$ 14,513	

Slotting for each course can be found on the  
 NWS Learning Center -  
<http://doc.learn.com/noaa/nws>



**Table 7 - UnResourced Training for FY11 - by Funding Source/Priority**

PNS ID / Title	FRG Priority	Cost (\$K)	Running Total (\$K)	Comments
<b>AWIPS Unfunded Training</b>				
IT19 / IT20 Migrating N-AWIPS Forecast Production to AWIPS II / GFE Training for National Centers	0.01	\$ 120	\$ 120	Funds to NWSTC - \$72K for 0.8 CIMMS to support + \$5K travel
ME50 Introduction to Next Generation Warning Tool (NGWT/HIS)	0.01	\$ 12	\$ 132	Funds to WDTB
IT30 Thin Client for AWIPS Capability/FXC: OSIP 08-012	0.01	\$ 17	\$ 149	\$2K to NWSTC. Rest to WDTB - Travel Costs working with GSD & Workstation. <b>Requesting AWIPS PAC Funds</b>
ME65 / ME66 Gridded Hazardous Weather Outlook (GHWO) Operations/Setup	0.01	\$ 7	\$ 156	To WDTB - Expenses = 1 Trip to GSD in Boulder
HY05 AWIPS Build Updates for RFC Software	3.67	\$ 4	\$ 160	Funds to NWSTC
HY06 AWIPS Build Updates for WFO Hydrology Software	3.83	\$ 5	\$ 165	Funds to NWSTC
<b>TOTAL FY11 AWIPS UNFUNDED</b>			<b>\$ 165</b>	
<b>Base Unfunded Training</b>				
PNS ID / Title	FRG Priority	Cost (\$K)	Running Total (\$K)	Comments
EE06a NWR Crown Transmitter Maintenance residence course	1.05	\$ 24	\$ 24	3 Additional Courses to meet SOD slot requests for Attrition
ME63 Marine Weather Operations Training Course	1.05	\$ 90	\$ 114	\$30K Travel for Gvt FTE to FDTB; \$60K to COMET
EE10a RRS Maintenance residence course (Attrition)	1.05	\$ 30	\$ 144	2 Additional Courses to meet SOD slot requests for Attrition
EE05a NWR Armstrong Transmitter Maint res course (Old Xmtr)	1.05	\$ 45	\$ 189	3 Additional Courses to meet SOD slot requests for Attrition
OB03a Cooperative Network Operations residence course - 3rd offering in FY11	1.05	\$ 53	\$ 242	1 additional class to meet slot requests for Attrition
OB05 CO-OP Program Training for HMTs and Interns	1.17	\$ 15	\$ 257	
ME30 Marine Services & Decision Support (Simulations)	1.60	\$ 50	\$ 307	\$20K to WDTB for Simulations support/tvl. \$30K to FDTB
AV10 DLAC-III: Online Modules/Simulations	1.67	\$ 48	\$ 354	WDTB Expenses = Development Travel
GEO02 GIS Online Training	1.83	\$ 7	\$ 361	Funds to FDTB
OB04 Meteorological Observation Siting Expertise	1.83	\$ 4	\$ 365	Funds to NWSTC
FW09 New Curriculum Method for Fire Weather Training	1.83	\$ 60	\$ 425	Funds to COMET
EE11 Introduction to NWS Systems DL Course	2.00	\$ 1	\$ 426	NWSTC
HY35 Hydrology Daily QC	2.00	\$ 5	\$ 431	Funds to NWSTC - .1 hydro + .1 ID
ME09b COMAP Symp on QPF/Rapid Offset Floods - 2nd offering	2.00	\$ 58	\$ 489	\$10K to FDTB; \$48K to COMET
IT22 Network Security Training	2.00	\$ 35	\$ 524	Funds to OS6
HY24 Cold Regions Workshop	2.00	\$ 40	\$ 564	Funds to OS6
HY11 Flash Flood/QPE (Simulations component)	2.00	\$ 46	\$ 610	WDTB - Support Course with Simulations
IN13 Rapid Response Increase (Svc Assessments, Field Req, etc.)	2.00	\$ 91	\$ 701	Downcoped Level of effort based upon lower budget
CL13 Online Module: Scientific Basis of Climate Change	2.00	\$ 140	\$ 841	Funds to COMET - 4th highest ranked climate PNS out of 8
HY19 QPF for Hydrologic Modeling Virtual Class	2.17	\$ 57	\$ 898	Funds to COMET
HY32 Static Flood Inundation Mapping – QC/QA	2.17	\$ 40	\$ 938	Funds to OS6 to Attend Coastal Services Center Training
IN03 LMS Capability Enhancement	2.17	\$ 60	\$ 998	Funds to OS6
ME07b Boundary Layer Processes - 2nd offering	2.17	\$ 19	\$ 1,017	Funds to COMET

GEO01 Mapping Datums & Geospatial Data Basics Online Module	2.17	\$	1	\$	1,018	Funds to FDTB
OB06 Aviation Observation Certification	2.17	\$	2	\$	1,020	Funds to NWSTC
HY25 Hydraulic Modeling (HEC-RAS) Training	2.17	\$	35	\$	1,055	Funds to FDTB
WM05 Weather & the NWS: What EMs Need To Know - IS-271	2.17	\$	197	\$	1,252	Funds to COMET
ME60 How to Conduct Effective Damage Surveys	2.20	\$	18	\$	1,270	To WDTB - Implementing the new EF-Scale
ME40 Improved HYSPLIT Model Depiction and Delivery	2.33	\$	71	\$	1,341	Funds to COMET
LE03 Science of Multimedia Learning Virtual Course	2.40	\$	18	\$	1,359	Funds to WDTB
IT27 Vendor/Computer Based Training (CBT) Modules for IT Security	2.40	\$	35	\$	1,394	Funds to OS6
IT25 Augment Regional Training Funds for IT	2.40	\$	42	\$	1,436	Funds to OS6
IN08 PDS Update - Aviation	2.50	\$	50	\$	1,486	Funds to COMET
SS01 Integrate Social Sci Theories, Methods, Apps to Fcst Ops	2.50	\$	72	\$	1,558	Funds to COMET - Develop 1-hour module
IN14 Training to Support Implementation of the PDS Concept	2.60	\$	23	\$	1,581	\$21K to COMET; \$2K to WDTB
IN04 PDS Update - Severe Weather	2.60	\$	33	\$	1,614	To WDTB - Expenses= Development Workshop with Program Managers
IT23 Core Information Technology Training	2.60	\$	35	\$	1,649	Funds to OS6
ME68 Designing NWS Tools for Situation Awareness	2.70	\$	27	\$	1,676	Funds to WDTB
HY39 Restore Hydrology Module Development	2.75	\$	220	\$	1,896	To COMET - Restore funds (old Hydro+ NSTEP match) for Hydro module development
ME41 Coordination, Collaboration, & Comms During Warning Events	2.80	\$	18	\$	1,914	To WDTB - Matching funds to Sea Grant Funds
IN05 PDS Update - Winter Warnings	2.80	\$	47	\$	1,962	Expenses= Development Workshop with SMEs
SP01 Training Modules for NWS Space Weather Forecasters	2.83	\$	117	\$	2,079	Funds to COMET
LE06 Media Training for NWS Field Staff	2.83	\$	72	\$	2,151	Funds to NWSTC
CL07 NCDC Homogenized Data Module	2.83	\$	140	\$	2,291	Funds to COMET
SP02 Training Module Space Weather for WCMS at WFOs	3.00	\$	29	\$	2,319	Funds to COMET
CL06 Climate Data Analysis and Goodness	3.00	\$	140	\$	2,459	Funds to COMET - 5th highest ranked climate PNS out of 8
EE07 NWR SRS Transmitter Maintenance residence course	3.17	\$	6	\$	2,466	Funds to NWSTC - 1 class
CW03 CWSU Transition: Customer Service/Customer Needs	3.17	\$	36	\$	2,502	Funds to NWSTC
FW11 Wildland Fire MetEd Community	3.17	\$	108	\$	2,610	Funds to COMET
IN07 PDS Update/Coordination - Climate/Drought	3.30	\$	56	\$	2,666	Funds to COMET
CL08 Climate Change and IPCC Report	3.30	\$	150	\$	2,816	Funds to COMET
CL09 NCEP Advancements in Climate Modeling	3.50	\$	78	\$	2,894	\$10K to FDTB; \$68K to COMET
HY38 Water Supply Forecasting	3.50	\$	40	\$	2,934	Funds to FDTB
FW10 EM Academy - Inter-Agency Fire Weather Resource Use	3.50	\$	45	\$	2,979	Funds to COMET
ME61 Extratropical Storm Surge Model (SLOSH) Module	3.60	\$	100	\$	3,079	Funds to COMET
SA08 CPR/First Aid Training	4.00	\$	64	\$	3,143	Funds to OS6
UAP University Assignment Program	4.00	\$	100	\$	3,243	Funds to OS6
LE02 Executive Leadership Seminar (ELS) residence course	4.00	\$	138	\$	3,381	NWSTC - A "Must Do" for FY12
<b>TOTAL FY11 Base UNFUNDED</b>					<b>\$ 3,381</b>	