

Table 1: FY11 OCWS Training Division (OS6) Managed Training (\$K)

PNS ID / Title	FY11 Cost	Funding	Comments
HY26 RFC Workshops	\$ 30	Base	1 workshop
FW01 IMET Workshop	\$ 180	Base	Run by OS22 in March. Was AA funds
Regional Training Funds	\$ 175	Base	

Regional Training Fund Breakout (\$K)	
Alaska Region	\$7
Central Region	\$45
Eastern Region	\$30
Pacific Region	\$9
Southern Region	\$42
Western Region	\$32
NCEP	\$10
Total	\$175

OS6 Infrastructure

Title	FY11 Cost	Funding	Comments
MIC/HIC Actions TBD	\$ 63	Base	Funds expected training actions from mtg; \$9K Base funds, \$31K was AA Funds. Also \$23K from canceled ART Maint. Class
Service Assessment Actions TBD	\$ 72	AA	
AMS Journals	\$ 150	Base	Funds Monthly Weather Review, Weather and Forecasting, Weather and Society
HOTG Planning Meetings	\$ 30	Base	\$25K from Base. \$5K was from AA
LMS License	\$ 175	Base	NWS part of annual NOAA LMS Charge
LMS/MetEd Data Transfer	\$ 3	Base	Annual charge
NSTEP Meetings (2)	\$ 35	Base	\$30K from Base. \$5K was from AA
Operating Costs	\$ 22	Base	Was originally \$40K. \$18K cut
Phone/Telecom Costs	\$ 10	Base	
GoToMeeting Licenses for TD	\$ 15	Base	Was originally in WDTB's budget
Total OS6 Base Training Deliverables	\$ 385		
Total OS6 Infrastructure Costs - Base	\$ 440		
GRAND Total OS6 Base Funding	\$ 825		

Table 2: FY11 NWS Training Center (OS61) Coordinated Training (\$K)

PNS ID / Title	FY11 Cost	Funding	Comments
NWSTC Training Deliverables			
CL02 Operational Climate Services Course	\$ 55	Base	1 offering - 4/26-28
EE05 NWR / Armstrong Transmitter Maintenance course (old transmitter)	\$ 15	Base	1 offering - 4/11-15
EE05 NWR / Armstrong (2010) Transmitter Maintenance course	\$ 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
EE06 NWR / Crown Transmitter Maintenance course	\$ 8	Base	Was AA funds. 1 offering already occurred. No further offerings in FY11
EE10 Radiosonde Replacement System (RRS) Maintenance (attrition) course	\$ 45	Base	4 total offerings in FY11. \$30K was AA funds. 3 offerings remain - 4/20-28; 5/18-26; 8/17-25
EE25 NWR / Nautel Transmitter Maintenance course	\$ 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
IN01 Support NWS LEARN Center & Sub LEARN Centers	\$ 67	Base	
LE01 Management and Supervision course	\$ 120	Base	2 offerings - 4/4-15 and 8/22-9/2. \$45K was AA funds. 30 NWS slots funded.
LE04 Leadership Foundations Field Requirements Team	\$ -	Base	Will use internal NWSTC funds/resources
LE05 Field Operations Management course	\$ 144	Base	3 offerings. \$96K was AA funds. 2 offerings remain - 5/2-6 and 8/1-5
LE07 NWS Headquarters Operations Management Course	\$ 8	Base	2 offerings in FY11. 1 remains - 5/17-20. Was AA funds
LE09 New Hire - NWS New Employee Introduction	\$ -	Base	FTE time only
LE10 Human Factors Training for NWS Forecasters	\$ 44	Base	\$246K cut. Was AA funds
OB01 Data Acquisition Operations (DATAC) course	\$ 54	Base	2 offerings. \$27K was AA funds. 1 offering remains - 5/10-12
OB03 Cooperative Network Operations course	\$ 106	Base	2 offerings. \$53K was AA funds. 1 offering remains - 3/15-24
SA01 Environmental Compliance (attrition) course	\$ 60	Base	1 offering - 6/14-17
SA02 Fall Protection & Rescue (initial/attrition) course	\$ 79	Base	2 offerings - 5/2-4 and 6/6-8
SA03 Fall Protection & Rescue (recertification) course	\$ 316	Base	11 offerings: 1 in HI, 1 in AK, 5 at NWSTC, 2 at NDBC, 1 in Norman, OK. See http://www.weather.gov/training/PrintSched.php#fpr111r for schedule
SA04 Safety Training (attrition)	\$ 63	Base	1 offering - 4/26-29
WM04 WCM/SCH Course	\$ 95	Base	1 offering in December, 2010. No further offerings in FY11.
HY03 Advanced Hydrologic Applications course	\$ 44	AWIPS	2 offerings + development costs. 1 offering remains in FY11 - Dates TBD.
HY13 WFO Hydrology Program Management course	\$ 37	AWIPS	1 offering - 8/16-19
IT04 Linux for WFOs/RFCs course	\$ 48	AWIPS	1 offering in 1st Quarter FY11. No further offerings in FY11.
IT06 AWIPS Migration Focal Point Deployment	\$ 6	AWIPS	

IT07 AWIPS-II System Admin OT&E res course	\$	198	AWIPS	2 offerings (2 people/site for 22 OT&E sites) + \$14K development costs. Course dates TBD
IT07a AWIPS-II System Admin Deployment res course - 1st person/site	\$	106	AWIPS	1 offering in FY11. Was \$344K. Rest of training deferred to FY12
IT07b AWIPS-II System Admin Deployment res course -- 2nd person/site	\$	301	AWIPS	Deferred to FY12 due to AWIPS schedule adjustment
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	\$	16	AWIPS	Travel to update course curriculum
IT31 Linux for WFOs/RFCs course Field Requirements Team	\$	16	AWIPS	Travel to update course curriculum
ME20 AWIPS-II Enhancements Training	\$	-	AWIPS	FTE time only
EE01 ASOS Maintenance course	\$	128	ASOS	3 offerings. 2 remain for FY11 - 6/7-22 and 8/10-25
EE22 NEXRAD Dual-Pol Development Support	\$	239	Dual-Pol	
HY36 Community Hydro Prediction Sys (CHPS) Training for RFCs	\$	110	AHPS	CIMMS support hired to teach
EE08 WSR-88D Maintenance course	\$	122	NEXRAD	3 offerings. 1 offering remains - 8/17-9/21
ME01 WSR-88D Distance Learning Operations Course	\$	-	NEXRAD	Funds under WDTB
EE20 Wind Profiler Deployment Support	\$	58	Profiler	
EE23 RRS Maintenance (deployment) course	\$	-	RRS	Exact cost and number of courses TBD - based on deployment schedule. 1 offering held so far in FY11
EE03 Weather Radio Improvement Program (WRIP) Maintenance course & Support	\$	119	WRIP	Course dates TBD
EE03 Weather Radio Improvement Program (WRIP) Maintenance course & Support	\$	13	Base	Was AA funds
ME47 WRIP Focal Point Deployment course	\$	87	Base	Was AA funds. Course dates 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	\$ 471		
Total NWSTC Base Deliverable Funding	\$ 1,437		
Total NWSTC Base Infrastructure Funding	\$ 289		
GRAND Total NWSTC Base Funding	\$ 1,726		
Total NWSTC Dual-Pol Funding	\$ 239		
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	\$ 119		
GRAND Total NWSTC Funding	\$ 3,043		

Table 3: FY11 Warning Decision Training Branch (OS62) Coordinated Training (\$K)

Title	FY11 Cost	Funding	Comments
WDTB Training Deliverables			
AV14 WES Simulations for CWSU Meteorologists	\$ 85	Base	Per NWSEO/NWS agreement
DE02 Mother's Day Service Assessment - Rec. 2 - (Communicating Risks in High-Impact Events)	\$ 19	Base	
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	
LE08 Seasonal Readiness Assessment - Convective Weather	\$ 100	AA	
ME43 Tornado and Severe Thunderstorm Warning Best Practices - Super Tuesday Service Assessment	\$ 18	Base	
AV15 WES Machine Upgrade for CWSUs	\$ 50	Base	Already spent in FY11
ME12 Advanced Warning Operations Course (AWOC) - Core Decision Making - Distance Learning	\$ 32	Base	Was AA funds.
ME12a AWOC - In Residence Facilitation Training	\$ 74	Base	2 workshops. Was AA funds. Increased by \$10K
ME13 AWOC - Severe Weather Warnings	\$ 41	Base	Was AA funds.
ME15 AWOC - Winter Weather Warnings	\$ 14	Base	Was AA funds.
ME23 WSR-88D Dual-Polarization Operations Course	\$ 109	Base	Was AA funds.
ME39 Dual-Pol Education and Outreach	\$ 27	Base	Was AA funds.
ME43 Tornado and Severe Thunderstorm Warning Best Practices - SE Floods Service Assessment	\$ 29	Base	Was AA funds.
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 PAC	PAC Funded
IT17 AWIPS II Variance Training	\$ 67	AWIPS	Expenses = workstation
ME20 AWIPS II Enhancements Training	\$ 14	AWIPS	Expense = 1 Development Travel Trip & workstation
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
ME01 Distance Learning Operations Course (DLOC)	\$ 331	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

WDTB Infrastructure			
Title	FY11 Cost	Funding	Comments
Activities & Outreach			
DOC and NOAA Support	\$ 18	AA	CIMMS Staff
External Collaboration (CASA, etc.)	\$ 57	NEXRAD	CIMMS Staff and Expenses
Hazardous Weather Testbed	\$ 14	AA	
Rapid Response	\$ 68	Base	CIMMS Staff. Was AA Funds
Operations			
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. Was AA Funds
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	\$ 657		
Total WDTB Base Infrastructure Funding	\$ 114		
GRAND TOTAL WDTB Base Funding	\$ 771		
Total WDTB AWIPS Funding	\$ 356		
Total WDTB AWIPS PAC Funding	\$ 157		
Total WDTB NEXRAD Training Funding	\$ 331		
Total WDTB NEXRAD Admin Funding	\$ 466		
GRAND TOTAL WDTB NEXRAD Funding	\$ 797		
Total WDTB SeaGrant Funding	\$ 12		
GRAND Total WDTB Funding	\$ 2,093		

Table 4 - FY11 Forecast Decision Training Branch (OS63) Coordinated Training (\$K)

Title	FY11 Cost	Funding	Comments
FDTB Training Deliverables			
CL12 Advanced Climate Variability and Change Course	\$ 37	Base	1 offering - pilot course. \$52K course costs under COMET
HY11 Flash Flood/QPE residence course	\$ 10	Base	\$5K was AA funds. Funds SME travel and portion of student travel
HY14 Advanced Hydro Science course	\$ 40	Base	Funds student travel. Other costs under COMET
HY20 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
ME07 Boundary Layer Processes (Virtual Course)	\$ -	Base	Staff Time Only; Funds under COMET
ME09 COMAP Symp on QPF/Rapid Onset Floods	\$ 10	Base	1 offering; Travel for course instructors
ME49a Met Services of Canada (MSC) Winter Weather Workshop	\$ 8	Base	Travel for 3 NWS instructors
ME49b Met Services of Canada (MSC) Winter Weather Workshop	\$ 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
HY11 Flash Flood/QPE residence course	\$ -	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
FDTB Infrastructure			
Title	FY11 Cost	Funding	Comments
Operating Costs/Admin Costs	\$ 40	Base	\$8K cut
VISIT Team Salaries	\$ 300	Base	\$65K reduction (20% cut). Includes salaries and website dev/maint.
PDS Development / NWS Travel to COMET	\$ 20	Base	Was AA funds
Total FDTB Base Deliverables	\$ 140		
Total FDTB Base Infrastructure	\$ 360		
Total FDTB Base Funding	\$ 500		
Total FDTB AWIPS Funding	\$ 3		
Total FDTB AHPS Funding	\$ -		
Total FDTB NESDIS Funding	\$ 200		
GRAND Total FDTB Funding	\$ 703		

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

Title	FY11 Cost	Funding	Comments
COMET® Training Deliverables			
CL01 Virtual Climate Variability Workshop	\$ 36	Base	2 offerings - \$18K each. Must-do per NWS Director
CL12 Advanced Climate Variability and Change Course	\$ 52	Base	1 offering - pilot course. \$37K travel costs under FDTB
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
ME07 Boundary Layer Processes (Virtual Course)	\$ 19	Base	1 offering
ME09 COMAP Symp on QPF/Rapid Onset Floods	\$ 38	Base	1 offering - already held. Travel funds under FDTB.
ME49 Met Services of Canada (MSC) Winter Weather Workshop	\$ -	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	\$100K cut. \$17K already spent capturing FY10 WAS'IS Workshop. Was AA funds
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 OCVWS Aviation Services Branch
IN10 PDS Update/Coordination - Fire Weather	\$ 155	Fire Weather	Funded via OS22
HY11 Flash Flood/QPE residence course	\$ 19	AHPS	Funds paid in FY10 for use in FY11. AHPS funding COMET portion of course. NSTEP funding travel portion. Funds paid in FY10 for use in FY11.
HY14 Advanced Hydro Science residence course	\$ 60	AHPS	
IS03 Earth Observing & Forecasting Satellite - GOES-R+	\$ 1,238	NESDIS	
LE08 Seasonal Readiness Assessment - Winter Weather	\$ 230	AA	
COMET Infrastructure			
Title	FY11 Cost	Funding	Comments
Operating Costs	\$ 1,946	Base	COMET Grant - Core Funding
Total COMET Base Deliverable Funding	\$ 313		
Total COMET Base Infrastructure	\$ 1,946		
Total COMET Base Funding	\$ 2,259		
Total COMET AWIPS Funding	\$ 535		
Total COMET Aviation Funding	\$ 300		
Total COMET Fire Weather Funding	\$ 155		
Total COMET AHPS Funding	\$ 79		
Total COMET NESDIS Funding	\$ 1,238		
GRAND Total COMET Funding	\$ 4,566		

Table 6 - FY11 In-Residence Training

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	ASOS Maintenance	ASOS	8	13	3.4									0	4.63	\$ 14,256	\$ 14,496						\$ 1,438	\$ 30,190	\$ 102,645
CL02	Operational Climate Services Course	Base	27	3	1										2.00	\$ 10,692	\$ 29,268	\$ 2,673	\$ 9,252			\$ 2,594	\$ 54,479	\$ 54,479	
EE05	NWR / Armstrong Transmitter Maintenance	Base	8	5	1									0	3.75	\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 14,969		
EE05	NWR / Armstrong (2010) Transmitter Maintenance	Base	8	5	5											\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 74,844		
EE06	NWR / Crown Transmitter Maintenance	Base	5	3	1									0	4.00	\$ 1,980	\$ 5,420				\$ 370	\$ 7,770	\$ 7,770		
EE10	RRS Maintenance (attrition)	Base	6	7	3									0	4.50	\$ 5,940	\$ 8,376				\$ 716	\$ 15,032	\$ 45,095		
EE25	NWR / Nautel Transmitter Maintenance	Base	8	5	2									0	4.00	\$ 1,980	\$ 5,420				\$ 370	\$ 7,770	\$ 15,540		
OB01	Data Acquisition Operations (DATAQ)	Base	16	3	2									0	3.00	\$ 6,336	\$ 17,344	\$ 396	\$ 1,078		\$ 1,258	\$ 26,412	\$ 52,823		
OB03	Cooperative Network Operations	Base	16	8	2									0	3.00	\$ 17,424	\$ 23,168	\$ 3,861	\$ 5,462		\$ 2,496	\$ 52,411	\$ 104,822		
LE01	Management and Supervision	Base	15	9.5	2									0	2.00	\$ 23,760	\$ 30,000	\$ 396	\$ 1,956	\$ 12,500	\$ 5,201	\$ 73,813	\$ 147,625		
LE05	Field Operations Management	Base	24	4.5	3									0	3.00	\$ 11,880	\$ 27,264			\$ 6,500	\$ 2,282	\$ 47,926	\$ 143,779		
SA01	Environmental Compliance (attrition)	Base	27	3.5	1									0	1.00	\$ 10,692	\$ 29,268			\$ 17,000	\$ 2,848	\$ 59,808	\$ 59,808		
SA02	Fall Protection & Rescue (initial/attrition)	Base	17	2.5	2									0	2.00	\$ 5,049	\$ 15,725			\$ 14,300	\$ 1,774	\$ 36,848	\$ 73,696		
SA03	Fall Protection & Rescue (recertification)	Base	17	2.5	8									0	8.00	\$ 5,049	\$ 15,725			\$ 14,300	\$ 1,774	\$ 36,848	\$ 294,784		
SA04	Safety Training (attrition)	Base	28	3.5	1									0	1.00	\$ 11,088	\$ 30,352			\$ 16,000	\$ 2,872	\$ 60,312	\$ 60,312		
WM04	WCM/SCH Course	Base	25	8	1										1.00	\$ 27,225	\$ 36,200			\$ 2,500	\$ 3,296	\$ 69,221	\$ 69,221		
HY03	Advanced Hydrologic Applications	AWIPS	8	3	2									0	2.00	\$ 3,168	\$ 8,672	\$ 396	\$ 1,078	\$ 2,000	\$ 666	\$ 15,980	\$ 31,959		
HY13	WFO Hydrology Program Management	AWIPS	16	3.5	1									0	1.00	\$ 6,336	\$ 17,344	\$ 891	\$ 4,840	\$ 2,500	\$ 1,596	\$ 33,507	\$ 33,507		
IT04	Linux for WFOs/RFCs	AWIPS	18	8	1									0	1.00	\$ 19,602	\$ 26,064				\$ 2,283	\$ 47,949	\$ 47,949		
IT07	AWIPS II System Administration OT&E	AWIPS	28	10	2									0	2.00	\$ 41,580	\$ 46,368				\$ 4,397	\$ 92,345	\$ 184,691		
IT07a	AWIPS II System Administration Deployment - 1/site	AWIPS	30	10	1																		\$ 344,000		
EE08	WSR-88D Maintenance	NEXRAD	8	25	2									0	2.00	\$ 29,304	\$ 22,400				\$ 2,585	\$ 54,289	\$ 108,578		
EE23	RRS Maintenance (deployment)	RRS	6	7												\$ 29,700	\$ 8,376				\$ 716	\$ 15,032	\$ -		
EE03	WRIP Maintenance	WRIP	8	6	5									0	5.00	\$ 3,168	\$ 8,672				\$ 592	\$ 12,432	\$ 62,160		
ME47	WRIP Focal Point Deployment	WRIP	8	3	4									0	4.00	\$ 6,336	\$ 17,344	\$ 396	\$ 1,078		\$ 1,258	\$ 26,412	\$ 105,647		
Total NWSTC Residence																							\$ 2,240,703		
WDTB																									
ME12a	AWOC Facilitation Workshop	Base	24	3.5	1										2.00									\$ 64,000	
ME01	WSR-88D Distance Learning Operations Course Workshop	NEXRAD	24	4.5	5									0	5.00	\$ 8,400	\$ 25,476			\$ 15,524	\$ 2,800	\$ 52,200	\$ 261,000		
COMET																									
CL12	Advanced Climate Variability & Change Course	Base	27	3	1									0	1.00									\$ 89,000	
HY11	Flash Flood/QPE residence course	Base/AHPS	21	3	1									0	1.00									\$ 5,000	
HY14	Advanced Hydrologic Science	Base	18	3	1									0	1.00	\$ 7,416	\$ 16,929			\$ 34,482		\$ 58,827	\$ 58,827		
ME49	Canada Winter Weather Workshop	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
AWIPS Unfunded Training				
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. Requesting AWIPS PAC Funds
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
TOTAL FY11 AWIPS UNFUNDED			\$ 165	
Base Unfunded Training				
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
TOTAL FY11 Base UNFUNDED					\$ 3,381	