

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	AA	To be coordinated by OS22
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/AA	Funds expected training actions from mtg; \$9K Base funds, \$31K 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/AA	\$25K from Base. \$5K 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/AA	\$30K from Base. \$5K from AA
Operating Costs	\$ 40	Base	
Phone/Telecom Costs	\$ 10	Base	
Total OS6 Base Training Deliverables	\$ 205		
Total OS6 Infrastructure Costs - Base	\$ 465		
GRAND TOTAL OS6 Base Funds	\$ 670		
OS6 AA Funds	\$ 293		
GRAND Total OS6 Funding	\$ 963		

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
EE05 NWR / Armstrong Transmitter Maintenance course (old transmitter)	\$ 15	Base	1 offering
EE05 NWR / Armstrong (2010) Transmitter Maintenance course	\$ 30	Base	2 offerings
EE05 NWR / Armstrong (2010) Transmitter Maintenance course	\$ 55	AA	3 offerings; 5 offerings total for new transmitter in FY11 +\$10K lab upgrade
EE06 NWR / Crown Transmitter Maintenance course	\$ 8	AA	1 offering
EE10 Radiosonde Replacement System (RRS) Maintenance (attrition) course	\$ 15	Base	1 offering
EE10b Radiosonde Replacement System (RRS) Maintenance (attrition) course	\$ 30	AA	2 offerings; 3 total offerings in FY11
EE25 NWR / Nautel Transmitter Maintenance course	\$ 30	Base	2 offerings
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	\$ 75	Base	1 offering _ 20 students funded
LE01 Management and Supervision course	\$ 45	AA	10 students funded - 15 NWS slots per class
LE04 Leadership Foundations Field Requirements Team	\$ -	Base	Will use internal NWSTC funds/resources
LE05 Field Operations Management course	\$ 48	Base	1 offering
LE05 Field Operations Management course	\$ 96	AA	2 offerings; 3 total offerings in FY11
LE07 NWS Headquarters Operations Management Course	\$ 8	AA	2 offerings in FY11
LE09 New Hire - NWS New Employee Introduction	\$ -	Base	FTE time only
LE10 Human Factors Training for NWS Forecasters	\$ 300	AA	\$200K to hire CIMMS support; \$100K for student travel to workshop to begin in September 2011
OB01 Data Acquisition Operations (DATAC) course	\$ 27	Base	1 offering
OB01 Data Acquisition Operations (DATAC) course	\$ 27	AA	1 offering; 2 total offerings for FY11
OB03 Cooperative Network Operations course	\$ 53	Base	1 offering
OB03 Cooperative Network Operations course	\$ 53	AA	1 offering; 2 total offerings for FY11
SA01 Environmental Compliance (attrition) course	\$ 60	Base	1 offering
SA02 Fall Protection & Rescue (initial/attrition) course	\$ 79	Base	2 offerings
SA03 Fall Protection & Rescue (recertification) course	\$ 316	Base	8 offerings: 1 in HI, 1 in AK, 6 at NWSTC
SA04 Safety Training (attrition)	\$ 63	Base	1 offering
WM04 WCM/SCH Course	\$ 95	Base	1 offering
HY03 Advanced Hydrologic Applications course	\$ 44	AWIPS	2 offerings + development costs
HY13 WFO Hydrology Program Management course	\$ 37	AWIPS	1 offering
IT04 Linux for WFOs/RFCs course	\$ 48	AWIPS	1 offering in 1st Quarter 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
IT07a AWIPS-II System Admin Deployment res course - 1st person/site	\$ 344	AWIPS	
IT07b AWIPS-II System Admin Deployment res course - 2nd person/site	\$ 301	AWIPS	
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
EE22 NEXRAD Dual-Pol Development Support	\$	239	Dual-Pol	
HY36 Community Hydro Prediction Sys (CHPS) Training for RFCs	\$	110	AHPS	Hire CIMMS support to teach
EE08 WSR-88D Maintenance course	\$	122	NEXRAD	3 offerings
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
EE03 Weather Radio Improvement Program (WRIP) Maintenance course & Support	\$	119	WRIP	
EE03 Weather Radio Improvement Program (WRIP) Maintenance course & Support	\$	13	AA	
ME47 WRIP Focal Point Deployment course	\$	87	AA	
NWSTC Infrastructure				
Title	FY11 Cost	Funding	Comments	
NWSTC Base Admin Budget	\$ 317	Base		
NWSTC NLSC Costs	\$ 70	NEXRAD		
Total NWSTC AHPS Funding	\$ 110			
Total NWSTC ASOS Funding	\$ 128			
Total NWSTC AWIPS Funding	\$ 1,010			
Total NWSTC Base Deliverable Funding	\$ 1,037			
Total NWSTC Base Infrastructure Funding	\$ 317			
GRAND Total NWSTC Base Funding	\$ 1,354			
Total NWSTC AA Funding	\$ 722			
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	\$ 3,211			

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	AA	
ME12 Advanced Warning Operations Course (AWOC) - Core Decision Making - Distance Learning	\$ 32	AA	
ME12a AWOC - In Residence Facilitation Training	\$ 64	AA	1 workshop. No Distance Component
ME13 AWOC - Severe Weather Warnings	\$ 41	AA	
ME15 AWOC - Winter Weather Warnings	\$ 14	AA	
ME23 WSR-88D Dual-Polarization Operations Course	\$ 109	AA	
ME39 Dual-Pol Education and Outreach	\$ 27	AA	
ME43 Tornado and Severe Thunderstorm Warning Best Practices - SE Floods Service Assessment	\$ 29	AA	
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)
ME41 Coordination, Collaboration, & Communication During Warning Events	\$ 12	SeaGrant	FY11 Norman Severe Weather Workshop Support
WDTB Infrastructure			
Title	FY11 Cost	Funding	Comments
Activities & Outreach			
GoToMeeting Licenses for TD	\$ 15	Base	
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	AA	CIMMS Staff
Operations			
IT Infrastructure	\$ 187	NEXRAD	CIMMS Staff and \$50K Expenses
Operating Costs	\$ 25	NEXRAD	Expenses
Professional Development	\$ 40	NEXRAD	CIMMS Staff
Professional Development	\$ 46	AA	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 Administrative Budget	\$ 466	NEXRAD	
Total WDTB Base Funding	\$ 296		
Total WDTB AA Funding	\$ 613		
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	\$ 3,027		

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

Title	FY11 Cost	Funding	Comments
FDTB Training Deliverables			
HY11 Flash Flood/QPE residence course	\$ 10	Base/AA	\$5K each from Base and AA. 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	\$ 48	Base	
VISIT Team Salaries	\$ 365	Base	Includes salaries and website dev/maint.
PDS Development / NWS Travel to COMET	\$ 20	AA	
Total FDTB Base Deliverables	\$ 98		
Total FDTB Base Infrastructure	\$ 413		
Total FDTB Base Funding	\$ 511		
Total FDTB AA Funding	\$ 25		
Total FDTB AWIPS Funding	\$ 3		
Total FDTB AHPS Funding	\$ -		
Total FDTB NESDIS Funding	\$ 200		
GRAND Total FDTB Funding	\$ 739		

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	\$ 89	Base	1 offering - pilot course	
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	\$ 48	Base	1 offering	
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	
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	\$ 155	Fire Weather	Funded via OS22	
HY11 Flash Flood/QPE residence course	\$ 19	AHPS		
HY14 Advanced Hydro Science residence course	\$ 60	AHPS	AHPS funding COMET portion of course. NSTEP funding travel portion.	
IS03 Earth Observing & Forecasting Satellite - GOES-R+	\$ 350	NESDIS		
LE08 Seasonal Readiness Assessment - Winter Weather	\$ 230	AA		
SS01a Social Science Training	\$ 117	AA	\$17K to reimburse capturing FY10 WAS'IS Workshop. \$100K to develop 1-hour intro training module	
COMET Infrastructure				
Title	FY11 Cost	Funding	Comments	
Operating Costs	\$ 1,946	Base	COMET Grant - Core Funding	
Total COMET Base Deliverable Funding	\$ 343			
Total COMET Base Infrastructure	\$ 1,946			
Total COMET Base Funding	\$ 2,289			
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	\$ 350			
Total COMET AA Funding	\$ 347			
GRAND Total COMET Funding	\$ 4,055			

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	2											\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 29,938	
EE05	NWR / Armstrong (2010) Transmitter Maintenance	AA	8	5	3											\$ 4,752	\$ 9,504				\$ 713	\$ 14,969	\$ 44,906	
EE06	NWR / Crown Transmitter Maintenance	AA	5	3	1									0	4.00	\$ 1,980	\$ 5,420				\$ 370	\$ 7,770	\$ 7,770	
EE10	RRS Maintenance (attrition)	Base	6	7	1									0	4.50	\$ 5,940	\$ 8,376				\$ 716	\$ 15,032	\$ 15,032	
EE10	RRS Maintenance (attrition)	AA	6	7	2											\$ 5,940	\$ 8,376				\$ 716	\$ 15,032	\$ 30,064	
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 (DATAC)	Base	16	3	1									0	3.00	\$ 6,336	\$ 17,344	\$ 396	\$ 1,078		\$ 1,258	\$ 26,412	\$ 26,412	
OB01	Data Acquisition Operations (DATAC)	AA	16	3	1											\$ 6,336	\$ 17,344	\$ 396	\$ 1,078		\$ 1,258	\$ 26,412	\$ 26,412	
OB03	Cooperative Network Operations	Base	16	8	1									0	3.00	\$ 17,424	\$ 23,168	\$ 3,861	\$ 5,462		\$ 2,496	\$ 52,411	\$ 52,411	
OB03	Cooperative Network Operations	AA	16	8	1											\$ 17,424	\$ 23,168	\$ 3,861	\$ 5,462		\$ 2,496	\$ 52,411	\$ 52,411	
LE01	Management and Supervision	Base	15	9.5	1									0	2.00	\$ 23,760	\$ 30,000	\$ 396	\$ 1,956	\$ 12,500	\$ 5,201	\$ 73,813	\$ 73,813	
LE01	Management and Supervision	AA	15	9.5	1											\$ 17,820	\$ 22,500				\$ 4,529	\$ 44,849	\$ 44,849	
LE05	Field Operations Management	Base	24	4.5	1									0	3.00	\$ 11,880	\$ 27,264			\$ 6,500	\$ 2,282	\$ 47,926	\$ 47,926	
LE05	Field Operations Management	AA	24	4.5	2											\$ 11,880	\$ 27,264			\$ 6,500	\$ 2,282	\$ 47,926	\$ 95,852	
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	\$ 37,696	
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											\$ 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	3.5																		\$ 344,000	
IT07b	AWIPS II System Administration Deployment - 2nd/site	AWIPS	30	10	3.5																			\$ 301,000
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																							\$ 2,512,739	
WDTB																								
ME12a	AWOC Facilitation Workshop	AA	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/IHIS)	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				
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
TOTAL FY11 Base UNFUNDED					\$ 3,381	