

Table 1: FY12 OCWWS Training Division (OS6) Managed Training (\$K)

PNS ID / Title	Funding	FY12 Cost	Comments
12-DE08 Training for DSS and Simulations	Base	99.3	Plans TBD.
12-FW06 Incident Meteorologist (IMET) Safety Training and Certification	Base	180	To be coordinated by OCWWS Fire & Public Weather Services Branch.
12-HY21 DOH Hydro Science Workshop	Base	26	Travel costs.
12-IN34 Funding To Address Training Recommendations For Service Assessments TBD	Base	52	Plans TBD.

OS6 Infrastructure (\$K)

Title	Funding	FY12 Cost
Activities & Outreach		
Regional Training Funds	Base	175
Regional Training Fund Breakout		
Alaska Region		7
Central Region		45.3
Eastern Region		29.8
Pacific Region		8.8
Southern Region		42
Western Region		31.5
NCEP		9.6
Operations		

AMS Journals	Base	160
International Travel	Base	9
LMS License	Base	170
LMS/MetEd Data Transfer	Base	3
Non-Travel	Base	31
NSTEP Meetings Non-OCWWS (FRG) Travel	Base	21
OCWWS Staff Administrative Travel	Base	44
Phone/Telecom Costs	Base	10

Total Training Deliverable	\$357.3
Total Training Infrastructure	\$623
Grand Total	\$980.3

Table 2: FY12 NWS Training Center (OS61) Coordinated Training (\$K)

PNS ID / Title	Funding	FY12 Cost	Comments
12-EE30 ASOS Maintenance	ASOS	141	4 offerings in FY12.
12-HY25 WFO Hydrologic Program Management	AWIPS	43	Cost is per class. PNS assumes 1 offering in FY12. \$4K staff travel and \$39K student travel.
12-HY35 AWIPS II Hydro Updates and User Training	AWIPS	31.3	\$25.3K resources + \$6K SME travel.
12-IT30 AWIPS-II Local Applications Field Requirements Team	AWIPS	15.7	Travel costs.
12-IT31 Linux for WFOs/RFCs	AWIPS	54	Must do per Regions. 1 FY12 offering.
12-IT32 AWIPS-II System Administration Deployment	AWIPS	752	9 offerings planned for FY12. PNS contains resources for Hotel contract, supplies & development. \$398K of student travel costs.
12-DE04 Communicating Risks in High Impact Events	Base	2	Travel costs.
12-EE19 NWR / Crown Transmitter Maintenance	Base	17.5	1 offering in FY12.
12-EE20 NWR/ Continental/Crown 2011 Transmitter Maintenance	Base	41.6	2 offerings in FY12.

12-EE21 NWR / Armstrong 2010 Transmitter Maintenance	Base	32.7	2 offerings in FY12.
12-EE23 NWR / Armstrong Transmitter Maintenance	Base	15.2	1 offering in FY12.
12-EE24 Weather Radio Improvement Program (WRIP) Maintenance and Support	Base	95.2	9 offerings are planned for FY12.
12-EE26 NWR / Nautel Transmitter Maintenance	Base	17.8	2 offerings in FY12.
12-EE31 Introduction to NWS Systems	Base	2.2	\$1K for development resources; \$1.2K for staff travel.
12-EE32 Radiosonde Replacement System (RRS) Maintenance - Attrition	Base	62.8	4 offerings in FY12.
12-HY23 Simulation Capabilities for RFCs	Base	70	CIMMS support (using \$56K FY11 AHPS Funds (Prepay - part of \$110K)); \$8K staff travel and \$6K SME travel.
12-HY27 Community Hydrologic Prediction System (CHPS) Training for RFCs	Base	54	\$45K CIMMS Support; \$9K development costs. Paid using FY11 AHPS funds (Prepay - part of \$110K)).
12-HY31 Simulation Capabilities for WFO Hydrology	Base	6	Staff travel.
12-LE09 Leadership Foundations	Base	35	ELS will not be offered in FY12. Money will be used for this PNS.

12-LE13 Leadership Development For Lead Forecasters	Base	54.7	There will be 3 offerings of FOM in FY12. Other two offerings are reflected in PNS 12-LE17.
12-LE16 NWS Headquarters Leadership Development	Base	16.5	1 offering in FY12.
12-LE17 Leadership Development For Lead Forecasters	Base	127.3	There will be 3 offerings of FOM in FY12. Other offering is reflected in PNS 12-LE13.
12-LE18 Introductory Management and Supervision	Base	170.4	2 offerings in FY12.
12-ME37 WRIP Focal Point Training	Base	29.2	9 offerings are planned for FY12.
12-ME69 AWOC Facilitation Workshop	Base	1.1	1 offering in FY12 (originally planned for FY11 but deferred).
12-OB07 Meteorological Observation Siting Expertise	Base	5	Development costs.
12-OB11 Cooperative Network Skills	Base	120.2	2 offerings in FY12.
12-SA07 Fall Protection and Rescue Initial/Attrition Training	Base	39	1 offering in FY12.
12-SA08 Fall Protection and Rescue Recertification	Base	168	4 offerings in FY12.
12-SA09 Environmental Compliance (Attrition)	Base	60	1 offering in FY12.
12-SA11 Safety Program Management (Attrition)	Base	61	1 offering in FY12.

12-WM03 Warning Coordination Meteorologist (WCM)/Service Coordination Hydrologist (SCH) Core Training	Base	0	Staff time only for FY12. Course next scheduled to be offered in FY13.
N/A Handling Space Weather Inquiries	Base	0	Module (working with SWPC) - to be released in early FY12
12-EE37 NEXRAD Dual-Polarization	Dual-Pol	274	11 offerings are planned in FY12.
12-EE29 Transition Power and Maintenance Shelter (TPMS) Maintenance	NEXRAD	0	SODs did not request any slots for FY12.
12-EE34 WSR-88D Maintenance	NEXRAD	137	2 offerings in FY12.
12-EE28 Wind Profiler Deployment	Profiler	70.5	
12-TS01 Tsunami Warning System Training	Tsunami	5	Staff travel.
12-EE24 Weather Radio Improvement Program (WRIP) Maintenance and Support	WRIP	150	9 offerings are planned for FY12.
12-ME37 WRIP Focal Point Training	WRIP	146	9 offerings are planned for FY12.

NWSTC Infrastructure (\$K)

Title	Funding	FY12 Cost
Operations		
CIMMS AWIPS Software Trainer	AWIPS	86
FTE Staff Travel	Base	70
IT/Web Infrastructure	Base	70
LMS CIMMS Support	Base	97
Operating Costs / Non-Travel	Base	200
NLSC Costs	NEXRAD	70

Total ASOS	\$141
Total AWIPS	\$982
Total BASE	\$1741.4
Total DUAL-POL	\$274
Total NEXRAD	\$207
Total PROFILER	\$70.5
Total TSUNAMI	\$5
Total WRIP	\$296
Total Training Deliverable	\$3123.9
Total Infrastructure	\$593
Grand Total	\$3716.9

Table 3: FY12 Warning Decision Training Branch (OS62) Coordinated Training (\$K)

PNS ID / Title	Funding	FY12 Cost	Comments
12-IT35 WES I Support / WES II Bridge for AWIPS II	AWIPS	100	1 CIMMS + \$10K for AWIPS II Case Data Server.
12-DE04 Communicating Risks in High Impact Events	Base	56	\$54K for CIMMS support and \$2K travel.
12-HY31 Simulation Capabilities for WFO Hydrology	Base	36	CIMMS support.
12-ME34 Warning Operations - Severe Weather	Base	0	Course will be offered in FY12, but course update deferred to FY13.
12-ME35 Warning Operations - Decision Making	Base	0	Course will be offered in FY12, but course update deferred to FY13.
12-ME39 Warning Operations - Winter Weather Warnings	Base	0	Course will be offered in FY12, but course update deferred to FY13.
12-ME42 Recognizing High Impact Hydromet Weather Events (Nashville SA Rec.12)	Base	29	\$27K for CIMMS support and \$2K for SME travel.
12-ME54 Dual-Polarization Radar Training	Base	41	CIMMS Support + development costs.
12-ME58 WSR-88D Dual-Polarization Education and Outreach for NWS Partners	Base	9	CIMMS support.
12-ME69 AWOC Facilitation Workshop	Base	41	1 offering in FY12 (originally planned for FY11 but deferred).

12-ME55 WSR-88D Performance Updates	NEXRAD	28	\$27K for CIMMS support and \$1K for supply costs.
12-ME61 Radar Operations for New Forecasters	NEXRAD	475	
12-ME33 Coordination, Collaboration, & Communication During Warning Events	SeaGrant	10	

WDTB Infrastructure (\$K)		
Title	Funding	FY12 Cost
Activities & Outreach		
External Collaboration (CASA, etc.)	NEXRAD	37
Operations		
CIMMS AWIPS Software Developers (4)	AWIPS	510
FTE Staff Travel	Base	30
GoToMeeting Licenses for OS6	Base	15
IT Infrastructure	Base	70
LMS CIMMS Support	Base	97
CIMMS Professional Development	NEXRAD	31
IT Infrastructure	NEXRAD	80
Operating Costs / Non-Travel	NEXRAD	15
Real-Time Data Feed	NEXRAD	41
Rent	NEXRAD	48
Web Server Administration	NEXRAD	9
Website Development & Maint.	NEXRAD	18

	Total AWIPS	\$610
	Total BASE	\$424
	Total NEXRAD	\$782
	Total SEAGRANT	\$10
	Total Training Deliverable	\$825
	Total Infrastructure	\$1001
	Grand Total	\$1826

Table 4: FY12 Forecast Decision Training Branch (OS63) Coordinated Training (\$K)

PNS ID / Title	Funding	FY12 Cost	Comments
12-CL17 Advanced Climate Variability and Change	Base	53	1 offering in FY12 (originally planned for FY11 but deferred).
12-CL18 Climate Variability and Change	Base	10	1 offering in FY12 (originally planned for FY11 but deferred).
12-HY21 DOH Hydro Science Workshop	Base	3	\$1K for development resources; \$2K for staff travel.
12-HY28 Flash Flood Operations	Base	40.3	Travel costs. Paid by FY11 AHPS funds (Prepay)
12-HY31 Simulation Capabilities for WFO Hydrology	Base	2	Development travel.
12-IN29 Professional Development Series - Hydrology	Base	10	Funded from FY11 AHPS Funds (Prepay)
12-ME49 Effectively Communicating the Impacts of Extreme Marine Hazards	Base	3	To FDTB for staff travel.
12-ME51 Effective Operational Use of the Nearshore Wave Prediction System (NWPS)	Base	3	Staff travel.
12-ME63 Met Services of Canada (MSC) Winter Weather Workshop - NWS Participation	Base	0	Will be covered using FY11 funds (last COMET supplement). 1 offering in FY12.

12-IS05 Earth Observing and Forecasting Satellite Operations for New Forecasters	GOES-R	40	For CIRA.
12-IS06 Satellite Remote Sensing for Hydrology	GOES-R	160	For CIRA/VISIT.
12-IS08 GOES-R+ Earth Observing/Forecasting Operations	GOES-R	52	For CIRA/VISIT.
12-DE07 Integrated Public Alert Warning Systems (IPAWS) GeoTargeted Alerting System (GTAS)	GSD	16	GSD-funded with project funds.
12-IS07 Earth Observing and Forecasting Satellite Operations - JPSS	JPSS	80	For CIRA/VISIT.

FDTB Infrastructure (\$K)		
Title	Funding	FY12 Cost
Activities & Outreach		
NWS Travel to COMET	Base	20
Operations		
MSC Travel (FY11 Funds)	Base	25
Non-Travel	Base	20
Staff Travel	Base	20
VISIT Team	Base	200

	Total BASE	\$409.3
	Total GOES-R	\$252
	Total GSD	\$16
	Total JPSS	\$80
	Total Training Deliverable	\$472.3
	Total Infrastructure	\$285
	Grand Total	\$757.3

Table 5: FY12 Cooperative Program for Meteorology, Education & Training (COMET®) Training Deliverables (\$K)

PNS ID / Title	Funding	FY12 Cost	Comments
12-AV03 Space Weather Impacts on Aviation Weather / Distance Learning Aviation Course III (DLAC-III): Improving Aviation Weather Services	AVN	300	Space Weather Module to be done first in FY12. DLAC III Title is Preliminary.
12-NP02 Effective Use of NWP in the Forecast Process	AWIPS	290	
12-CL17 Advanced Climate Variability and Change	Base	36	1 offering in FY12 (originally planned for FY11 but deferred).
12-CL18 Climate Variability and Change	Base	22	1 offering in FY12 (originally planned for FY11 but deferred).
12-HY28 Flash Flood Operations	Base	20	Paid by FY11 AHPS funds (Prepay).
12-IN29 Professional Development Series - Hydrology	Base	54	Funded from FY11 AHPS Funds (Prepay)
12-ME42 Recognizing High Impact Hydromet Weather Events (Nashville SA Rec.12)	Base	4	
12-IS08 GOES-R+ Earth Observing/Forecasting Operations	GOES-R	400	
12-IS07 Earth Observing and Forecasting Satellite Operations - JPSS	JPSS	300	

COMET Infrastructure (\$K)

Title	Funding	FY12 Cost
Activities & Outreach		
Rapid Response / Module Updates (to include update to Space Weather Basics Module)	Base	125
Operations		
Operating Costs	Base	1263.7

Total AVN	\$300
Total AWIPS	\$290
Total BASE	\$1524.7
Total GOES-R	\$400
Total JPSS	\$300

Total Training Deliverable	\$1426
Total Infrastructure	\$1388.7
Grand Total	\$2814.7

Table 6: UnResourced Training for FY12 (\$K)

PNS ID / Title	Funding	ORG	Priority	FY12 Cost	Running Total	Comments
12-HY33 RFC Forecaster Training	Base	NWSHQ	2	60	60	
12-LE10 Introductory Management and Supervision	Base	NWSTC	2.14	75.4	135.4	2 offerings are must do, and are in 12-LE18.
12-HY36 Forecasting Heavy Precipitation and Flooding	Base	COMET	2.2	350	485.4	
12-IN24 Marine Weather Services Professional Development	Base	FDTB	2.33	10	495.4	Travel costs.
12-IN24 Marine Weather Services Professional Development	Base	COMET	2.33	12	507.4	
12-CL10 Operational Climate Services	Base	NWSTC	2.5	55	562.4	Cost is per class. Assumes 1 offering in FY12.
12-IT33 Regional IT Training	Base	NWSHQ	2.5	42	604.4	Would be distributed amongst the Regions.
12-LE14 Advanced Leadership Skills	Base	NWSTC	2.5	35	639.4	ELS will not be offered in FY12. Money will be used to explore changes to the Leadership Academy.

12-ME47 Convective Processes in the Marine Environment	Base	WDTB	2.67	21.5	660.9	To WDTB: \$18K for CIMMS support and \$3.5K for development costs.
12-ME57 New Science and Operations Officer Training	Base	COMET	2.67	75	735.9	
12-ME57 New Science and Operations Officer Training	Base	FDTB	2.67	85	820.9	Travel costs.
12-FW08 Advanced Fire Weather Forecasting Techniques	Base	FDTB	2.83	2	822.9	Possibly Fire Weather funded? Travel costs.
12-FW08 Advanced Fire Weather Forecasting Techniques	Base	COMET	2.83	83	905.9	Possibly Fire Weather funded?
12-IN32 Professional Development Series Update - Severe Weather Forecasting and Warning (To Include Hydro Staffing Models)	Base	WDTB	2.83	29	934.9	
12-OB09 Data Acquisition	Base	NWSTC	2.83	57.6	992.5	
12-CL11 Climate Variability and Change	Base	FDTB	3	10	1002.5	NOAA instructor travel costs.
12-CL11 Climate Variability and Change	Base	COMET	3	22	1024.5	

12-HY22 Flood Mapping Decision Support Services	Base	FDTB	3	3	1027.5	\$1K for development resources; \$2K for staff travel.
12-HY22 Flood Mapping Decision Support Services	Base	NWSHQ	3	40	1067.5	Travel costs.
12-IN25 Professional Development Series Update - Aviation	Base	NWSTC	3	3	1070.5	Staff travel.
12-IN25 Professional Development Series Update - Aviation	Base	FDTB	3	10	1080.5	Participant travel costs.
12-LE11 New Hire - NWS New Employee Introduction	Base	NWSTC	3	49	1129.5	
12-OB10 CO-OP Program Training for HMTs and Interns	Base	NWSTC	3	12	1141.5	\$11K travel costs and \$1K supply costs.
12-OB14 Cooperative Network Skills	Base	NWSTC	3	77.3	1218.8	Cost of First offering. Priority 0.
12-AV03 Distance Learning Aviation Course III (DLAC-III): Improving Aviation Weather Services	Base	COMET	3.17	164	1382.8	
12-CL09 Advanced Climate Variability and Change	Base	FDTB	3.17	12	1394.8	NWS Instructor Travel.
12-CL09 Advanced Climate Variability and Change	Base	COMET	3.17	36	1430.8	

12-FW07 Incident Meteorologist (IMET) Type 2/3 Safety Training and Certification	Base	COMET	3.17	75	1505.8	Webinar development.
12-FW07 Incident Meteorologist (IMET) Type 2/3 Safety Training and Certification	Base	NWSTC	3.17	94	1599.8	Development of Facilitator Workshop.
12-IN19 Professional Development Series Update - Winter Weather	Base	WDTB	3.17	9	1608.8	CIMMS costs.
12-IN28 PDS Development Fire Weather Program Leader/ IMET	Base	NWSTC	3.17	3	1611.8	Staff travel.
12-IN28 PDS Development Fire Weather Program Leader/ IMET	Base	FDTB	3.17	16	1627.8	Travel costs.
12-IN28 PDS Development Fire Weather Program Leader/ IMET	Base	COMET	3.17	46	1673.8	
12-IT34 Vendor and Computer Based Training (CBT) Modules for IT Security	Base	NWSHQ	3.17	35	1708.8	
12-IT38 Practical IT Security Training Focused on Utilization of NWS Approved Techniques	Base	NWSHQ	3.17	35	1743.8	
12-ME56 Boundary Layer Processes	Base	COMET	3.17	23	1766.8	\$19K would be for a virtual course offering. \$4K for editing and posting course materials to MetEd.

12-ME41 How to Conduct Effective Damage Surveys	Base	WDTB	3.33	18	1784.8	CIMMS support.
12-AV05 WES Simulations to Support Distance Learning Aviation Course (DLAC)-III	Base	WDTB	3.5	11	1795.8	\$9K for CIMMS support and \$2K for travel.
12-IN27 Training to Support Implementation of the Professional Development Series (PDS) Concept	Base	WDTB	3.5	2	1797.8	Staff travel.
12-IN27 Training to Support Implementation of the Professional Development Series (PDS) Concept	Base	COMET	3.5	21	1818.8	
12-ME67 Forecast and Warning Decision Practices using Multiple-Radar Multiple-Sensor (MRMS) Severe Weather and Precipitation Applications	Base	WDTB	3.5	18	1836.8	CIMMS support.
12-SA10 Safety and Health in Ports	Base	NWSTC	3.5	55	1891.8	Development: \$50K resources and \$5K staff travel.
12-FW05 New Curriculum Method for Fire Weather Training	Base	FDTB	3.67	10	1901.8	Development travel.

12-FW05 New Curriculum Method for Fire Weather Training	Base	COMET	3.67	35	1936.8	
12-FW09 Update of COMET Fire Weather Clear Communications Module	Base	COMET	3.67	25	1961.8	
12-LE15 Media Training for NWS Field Staff	Base	NWSTC	3.67	23	1984.8	\$18K for CIMMS support and \$5K for development costs.
12-ME33 Coordination, Collaboration, & Communication During Warning Events	Base	WDTB	3.67	10	1994.8	
12-ME59 Integrating Social Science Theories, Methods, and Applications to Forecast Operations	Base	FDTB	3.67	4	1998.8	SME travel costs.
12-ME59 Integrating Social Science Theories, Methods, and Applications to Forecast Operations	Base	COMET	3.67	350	2348.8	
12-ME66 New SOO Training - QPF/Rapid Onset Floods	Base	FDTB	3.67	8	2356.8	Travel costs for NWS instructors.
12-ME66 New SOO Training - QPF/Rapid Onset Floods	Base	COMET	3.67	35	2391.8	

12-HY19 Hydrologic Ensembles	Base	FDTB	3.8	10	2401.8	\$5K development resources and \$5K staff travel.
12-HY29 River Model Forcings Data	Base	FDTB	4	3	2404.8	\$1K for development resources; \$2K for staff travel.
12-HY29 River Model Forcings Data	Base	NWSHQ	4	30	2434.8	Travel costs.
12-HY30 QPF for River Flood Forecasting	Base	COMET	4	30	2464.8	
12-OB13 Aviation Snow Observation	Base	NWSTC	4	4	2468.8	Development costs.
12-SP03 Training Module on Space Weather for NWS WCMs at WFOs Across the Nation	Base	COMET	4	8	2476.8	Development: \$1K resources and \$7K staff travel.
12-CL16 Understanding Climate Users for Multidisciplinary Decision Support	Base	FDTB	4.17	4	2480.8	Travel for NOAA SMEs.
12-CL16 Understanding Climate Users for Multidisciplinary Decision Support	Base	COMET	4.17	155	2635.8	
12-IN22 Seasonal Readiness Training	Base	WDTB	4.17	27	2662.8	CIMMS costs.
12-ME43 Effective Operational Mountain Weather Forecasting	Base	COMET	4.17	29	2691.8	

12-ME45 Incident Response and Decision Support Marine Weather Services	Base	FDTB	4.17	4	2695.8	Development travel.
12-ME45 Incident Response and Decision Support Marine Weather Services	Base	COMET	4.17	350	3045.8	
12-SA12 CPR/First Aid Training	Base	NWSHQ	4.17	53	3098.8	
12-HY24 Cold Region Hydrology	Base	FDTB	4.2	4	3102.8	\$2K for development resources; \$2K for staff travel.
12-HY24 Cold Region Hydrology	Base	NWSHQ	4.2	60	3162.8	Travel costs.
12-AV04 Network-Enabled Verification Service	Base	NWSTC	4.33	4	3166.8	
12-CL14 Comprehending the Scientific Basis of Climate Change	Base	FDTB	4.33	2	3168.8	Travel for NOAA SME.
12-CL14 Comprehending the Scientific Basis of Climate Change	Base	COMET	4.33	145	3313.8	
12-CW12 Orient WFO Forecasters to CWSU Operations	Base	COMET	4.33	62	3375.8	\$54K for CIMMS support and \$8K travel.
12-ME62 Improved HYSPLIT Model Depiction and Delivery (OSIP Project 07-039)	Base	FDTB	4.33	4	3379.8	Development travel.

12-ME62 Improved HYSPLIT Model Depiction and Delivery (OSIP Project 07-039)	Base	COMET	4.33	80	3459.8	
12-ME64 Sea Surface Height Anomaly, Significant Wave Height, and Wind Speed from Altimetry	Base	FDTB	4.33	24	3483.8	VISIT support.
12-AV06 Promote Understanding of National Air Space (NAS) Concerns	Base	COMET	4.5	30	3513.8	
12-CW11 CWSU Transition - Customer Service/Customer Needs	Base	NWSTC	4.5	7.6	3521.4	
12-DE05 Develop Impact-Based Decision Support Services (IDSS) PDS	Base	COMET	4.5	13.5	3534.9	
12-DE05 Develop Impact-Based Decision Support Services (IDSS) PDS	Base	NWSTC	4.5	15	3549.9	Travel costs.
12-IN30 LMS Capability Enhancement	Base	COMET	4.5	25	3574.9	To hire contractor support.
12-IN30 LMS Capability Enhancement	Base	NWSHQ	4.5	35	3609.9	
12-DE06 Integrated Warning Team Training	Base	NWSTC	4.83	62	3671.9	\$3K for staff travel; \$59K for class travel.

12-IN21 The Science of Instruction: Best Practices for Designers of Multimedia Learning	Base	WDTB	4.83	9	3680.9	CIMMS costs.
12-ME32 AWOC Facilitation Workshop	Base	NWSTC	4.83	1.1	3682	\$0.1K for development resources; \$1K for staff travel.
12-ME32 AWOC Facilitation Workshop	Base	WDTB	4.83	43	3725	
12-ME50 Remote Sensing of Marine Winds and Waves	Base	FDTB	4.83	24	3749	VISIT support.
12-IN31 Professional Development Series Update/Coordination - Climate/Drought	Base	NWSTC	5	3	3752	Staff travel.
12-IN31 Professional Development Series Update/Coordination - Climate/Drought	Base	COMET	5	27	3779	
12-IN31 Professional Development Series Update/Coordination - Climate/Drought	Base	FDTB	5	32	3811	Participant travel costs.

12-ME48 Impacts of Weather Related and Non Weather Related Hazards to Marine Ecology and Commerce	Base	FDTB	5	2	3813	Staff travel.
12-ME48 Impacts of Weather Related and Non Weather Related Hazards to Marine Ecology and Commerce	Base	COMET	5	100	3913	
12-CW10 FAA ARTCC Controller Weather Training	Base	NWSTC	5.17	32	3945	\$27K for CIMMS support and \$5K travel.
12-CW10 FAA ARTCC Controller Weather Training	Base	WDTB	5.17	67	4012	\$27K for CIMMS support.
12-CL12 Climate Data Analysis and Goodness	Base	COMET	5.33	125	4137	
12-CL13 NCEP Advancements in Climate Modeling	Base	FDTB	5.33	4	4141	Travel for NOAA SMEs.
12-CL13 NCEP Advancements in Climate Modeling	Base	COMET	5.33	72	4213	
12-CL15 Weather and Climate Modeling	Base	COMET	5.5	87	4300	
12-GE03 Federal Compliance and Standards for Geospatial Data	Base	FDTB	5.5	2.5	4302.5	Travel costs.
12-ME53 Understanding Marine Users and their Needs	Base	COMET	5.5	70	4372.5	

12-ME52 Storm Surge, Coastal Flooding, and Operational Use of SLOSH	Base	FDTB	5.67	4	4376.5	Staff travel.
12-ME52 Storm Surge, Coastal Flooding, and Operational Use of SLOSH	Base	COMET	5.67	320	4696.5	
12-HY20 Water Supply Forecasting	Base	FDTB	6	3.5	4700	\$2K development costs and \$1.5K staff travel.
12-HY20 Water Supply Forecasting	Base	NWSHQ	6	60	4760	Travel costs.
12-WM04 National SKYWARN Spotter Training	Base	FDTB	6.33	2	4762	Development travel.
12-WM04 National SKYWARN Spotter Training	Base	COMET	6.33	150	4912	
12-IT37 NWS Project Management Training	Base	NWSHQ	6.67	52.4	4964.4	
12-HY26 HEC River Analysis System Use	Base	FDTB	6.8	0.1	4964.5	Guest instructor travel.
12-HY26 HEC River Analysis System Use	Base	NWSHQ	6.8	22	4986.5	
12-ME40 Watch By County Refresher Training	Base	WDTB	7	9	4995.5	CIMMS support.
12-HY34 Hydrologic Weather Operations Training	Base	FDTB	9	4	4999.5	To FDTB.

12-IN26 Maintaining Workforce Knowledge & Skills Dependent on Currency of DL Materials	Base	COMET	9	125	5124.5	This PNS will be made "inactive/priority 99". The \$125K will be reflected in the "below the line" costs for COMET.
12-SP04 Space Weather Impacts Multimedia Training Module	Base	COMET	9	150	5274.5	If the NWS CFO does not provide funding for this, then will be unfunded for FY12.
12-EE35 WSR-88D Microwave Line of Site (MLOS) Maintenance	NEXRAD	NWSTC	9	8.1	8.1	Cost is per class.

Total Unresourced	\$5282.6
Percent of PNSs Unresourced	58.4 %