

Western Carolina University

2010-2011

Strategic Energy Plan

Submitted October 3, 2011

Energy Management Office

Facilities Management



Western Carolina University

*Strategic Energy Plan
2010-2011*

Mission Statement

To develop smart energy solutions in all aspects of our institution while creating a comprehensive approach for leading the Western Carolina University community towards a sustainable future.

Executive Summary

Western Carolina University (WCU) continues to expand its efforts in the areas of sustainability, waste reduction, energy management and reducing our “Carbon Paw Print”. The purpose of this program, which has remained constant from its beginning, is to take a holistic approach at educating faculty, staff and students about the importance of sustainability, waste reduction, energy consumption and how it affects the economy, environment and our overall footprint on the Earth. Our goals are: to raise awareness about the ecological and economical benefits of sustainability, teach methods on how to reduce energy consumption on campus, have a positive impact on long term energy consumption habits of our university community and lower overall campus energy usage. Our comprehensive strategy for this program includes: organizing campus events, distributing informational materials, assisting student research and projects, class lectures and instruction, collaborating with departments across campus and increasing involvement with faculty, staff and student groups. Due to the current state of the economy, and the budget constraints imposed on our efforts, we had to employ creative measures for conveying our message and educating the WCU campus community. To this end, we have developed a zero/low waste policy for events and strive to operate in the most efficient and effective way possible while achieving our program goals. For more information regarding our efforts please visit <http://energy.wcu.edu/>.

One of our focuses for the past few years has been the development of pursuing an Energy Service Performance Contract (ESPC) for several buildings on our campus. This \$5.1M project includes updates on the following buildings: Liston B. Ramsey Activity Center, Hunter Library, Stilwell Science Building, Hoey Auditorium, McKee Building and Coulter Building. In September 2009, we negotiated and signed an Investment Grade Audit Agreement (IGA) with ConEdison Solutions, Inc. to serve as our Energy Service Company (ESCO) for this project. The scope of energy conservation measures for the project include: improvements to our HVAC system, lighting system, lighting occupancy controls, building envelope, water conservation, energy management system, HVAC controls, new frictionless centrifugal chiller at Hunter Library central chiller plant, computer plug load management, steam trap replacement, steam plant boiler combustion air controls and a energy dashboard kiosk for sustainability programming at Hunter Library. Construction will begin immediately following the final authorization of the IGA, procurement of financing and approval from the NC Council of State.

In April 2010 we were awarded an American Recovery and Reinvestment Act grant through the North Carolina Energy Office. We received \$717K to complete an HVAC renovation and retro-commissioning for H.F. Robinson Administration Building. This 72,500 sq ft facility has several air quality concerns, comfort problems and energy issues. In August 2010 we were notified that the grant was approved. The project went through designer selection in fall 2010 and design phase winter 2011. Cooper Construction was awarded the bid and construction began in May 2011. The projected completion date is December 31, 2011.

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Consumption Data

Table 1 below summarizes our energy usage over the past 9 years. Overall, our energy performance has remained stable. Total utility costs and cost per sq. ft. continue to decrease due to the relative low cost of natural gas. Our total BTU per sq. ft. has increased, possibly due to a cold winter, while % change BTU per sq. ft. has decreased.

Table 1: WCU Energy Performance, 2002-to-2010

YEAR	TOTAL UTILITY COST	\$/MM BTU	\$/GS F	BTU/SQFT	% CHANGE, BTU/SQ FT (cumulative)
2002-2003	\$3,075,813	\$6.35	\$1.14	178,764	0
2003-2004	\$3,300,828	\$9.18	\$1.26	136,616	-24%
2004-2005	\$3,798,840	\$9.59	\$1.25	129,989	-27%
2005-2006	\$4,288,287	\$12.77	\$1.45	113,548	-36%
2006-2007	\$4,404,131	\$11.66	\$1.43	123,042	-31%
2007-2008	\$4,873,216	\$12.89	\$1.61	124,607	-29%
2008-2009	\$4,406,505	\$11.59	\$1.43	122,962	-31%
2009-2010	\$4,187,337	\$11.71	\$1.39	118,456	-34%
2010-2011	\$4,175,589	\$10.92	\$1.33	121,789	-32%

Our performance improvement is primarily a result of taking obsolete and heavily used facilities offline and replacing the buildings with high performance building. We also attribute energy reductions to retiring old equipment, installing new equipment with higher operating efficiencies, actively managing building occupancy schedules and successful educational programs for faculty, staff and students. Since the beginning of the Utility Savings Initiative in 2003, the combined benefits of these items reflect a reduction of energy consumption per gross sq. ft. of 32%. We have been concerned that our energy performance will decrease as we bring new buildings online and retrofit existing facilities with better mechanical systems. On the contrary, the data indicates that our overall energy performance improves in relation to our BTU/sq. ft. Overall utility costs continue to decrease due to the relatively stable, low cost of natural gas. The cost of electricity has remained low but our rate it is expected to increase by a double digit percentage over the next two years.

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Consumption Data (See Table 2 – attached)

Energy Tactics Table

A. Energy Demand Management

Past 12 Months Activities 2010-2011	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
Review of Energy Usage for all campus facilities	Monthly	Monthly			10 hours/month	<ul style="list-style-type: none"> • Energy Manager • FM Staff • Intern 	FM Operating Budget
Duke Energy EE Rider Smart Saver Incentive Program	Monthly	Monthly		\$7,184	\$15.84 3 hours/month	<ul style="list-style-type: none"> • Energy Manager • Intern 	FM Operating Budget
Review natural gas rates for steam plant consumption. Incurred savings thru comparing natural gas vs. #6 fuel oil	Monthly	Monthly		\$2.626M	2 hour/month	<ul style="list-style-type: none"> • Business Officer • Energy Manager 	FM Operating Budget
All new buildings and renovations will be sub-metered and integrate into EMS. Includes: Blue Ridge Residence Hall, Bookstore, Health Science (LEED)	Monthly & Interval	Monthly & Interval				<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist • WCU Project Manager • Harris Integrated Solutions, Inc. 	Privatized and Non-Appropriated
Energy Service Performance Contract	Monthly	Monthly	\$488,025 (year 1)	Project still under development	\$5.1M	<ul style="list-style-type: none"> • Energy Manager • ConEdison Solutions, Inc. • Celtic Energy, Inc. 	Private Source
Retro-Commission HF Robinson Administration Building	Monthly	Monthly	119,765kwh \$6,887	Project still under construction	717K	<ul style="list-style-type: none"> • Energy Manager • WCU HVAC • WCU Project Manager • Sud & Associates • Cooper Construction 	ARRA Stimulus Funds
New Construction: Health Sciences Building (LEED Certified)	Monthly & Interval	Monthly & Interval	14% more efficient than baseline building	Project still under construction	\$46M	<ul style="list-style-type: none"> • WCU Project Manager • Vannoy Construction 	Capital
Harrill Hall Renovation	Monthly & Interval	Monthly & Interval	28% more efficient than baseline building	Project still under construction	\$15.5M	<ul style="list-style-type: none"> • WCU Project Manager • New Atlantic 	Non-Appropriated
Monitor campus heating and cooling temp set points, exceptions & building schedules based on state mandate requirements & University Policy #4	Weekly	Weekly		286 equipment runtime hours per week	10 hours/month	<ul style="list-style-type: none"> • HVAC Supervisor • Energy Manager • Energy Management Specialist 	FM Operating Budget
Replacing failed T-12 magnetic ballasts w/ T-8 electronic ballast	10 ballasts/month	10 ballasts/month		40% per fixture	\$16 per Fixture + Labor	<ul style="list-style-type: none"> • WCU Electric Shop 	FM Operating Budget

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Next 12 months Activities 2011-2012	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
Review of Energy Usage for all campus facilities	Monthly	Monthly			10 hours/month	<ul style="list-style-type: none"> Energy Manager FM Staff 	FM Operating Budget
Review to Opt-In for Duke EE Rider Smart Saver Program	Monthly	Monthly			\$30K	<ul style="list-style-type: none"> Energy Manager Intern 	FM Operating Budget
Review natural gas rates for steam plant consumption. Incurred savings thru comparing natural gas vs. #6 fuel oil	Monthly	Monthly			2 hours/month	<ul style="list-style-type: none"> Business Officer Energy Manager 	FM Operating Budget
Energy Service Performance Contract	Monthly	Monthly	\$488,025	Project still under development	\$5.1M	<ul style="list-style-type: none"> Energy Manager ConEdison Solutions, Inc. Celtic Energy, Inc 	Private Source
Retro-Commission HF Robinson Administration Building	Monthly	Monthly	119,765kwh \$6,887	Project still under construction	\$717K	<ul style="list-style-type: none"> Energy Manager WCU HVAC WCU Project Manager Sud & Associates Cooper Construction 	ARRA Stimulus Funds
New Construction: Health Sciences Building (LEED Certified)	Monthly & Interval	Monthly & Interval	14% more efficient than baseline building	Project still under construction	\$46M	<ul style="list-style-type: none"> WCU Project Manager Vannoy Construction 	Capital
Harrill Hall Renovation	Monthly & Interval	Monthly & Interval	28% more efficient than baseline building	Project still under construction	\$15.5M	<ul style="list-style-type: none"> WCU Project Manager New Atlantic 	Non-Appropriated
Replacing failed T-12 magnetic ballasts w/ T-8 electronic ballast	10 ballasts/month		40% per fixture		\$16/Fixture + Labor	<ul style="list-style-type: none"> WCU Electric Shop 	FM Operating Budget
Continued to monitor campus heating & cooling temp set points, exceptions & building schedules based on state mandate requirements & University Policy #4	Weekly	Weekly	286 equipment runtime hours per week		10 hours/month	<ul style="list-style-type: none"> WCU HVAC Shop Energy Manager Energy Management Specialist 	FM Operating Budget

B. Energy Supply Management

Past 12 months Activities 2010-2011	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
Review of Energy Usage for all Auxiliary facilities	Monthly	Monthly			10 hours/month	<ul style="list-style-type: none"> Energy Manager FM Office Staff 	FM Operating Budget
Perform steam trap survey and leak assessment. Repair system during steam shutdown in May	Annually	Annually			12 steam traps + labor	<ul style="list-style-type: none"> WCU HVAC & Plumbing Shop 	FM Operating Budget

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Next 12 months Activities 2011-2012	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
Review of Energy Usage for all Auxiliary facilities	Monthly	Monthly			10 hours/month	<ul style="list-style-type: none"> • Energy Manager • FM Office Staff 	FM Operating Budget
Perform steam trap survey and leak assessment. Repair system during steam shut-down in May	Annually	Annually			Developing system to track cost and savings	<ul style="list-style-type: none"> • WCU HVAC & Plumbing Shop 	FM Operating Budget

C. Organizational Integration

Past 12 months Activities 2010-2011	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
Created WCU Sustainability Council	On-going	On-going			10-15 hours/month	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget
Continue campus energy conservation awareness & education program. (monthly energy tip, presentations, audits, etc.)	On-going	On-going			10 hours/month	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget
Updated Strategic Energy Plan	Annually	Annually			30 hours/year	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget
Presented display table at WCU Employee Appreciation Day and other campus events as needed	Annually	Annually			10 hours/year	<ul style="list-style-type: none"> • Energy Manager • Graduate Assistant • Intern • Energy Management Specialist 	FM Operating Budget
Organized campus events: Earth Day & Wellness Day, Recycle Mania, Schlittentag Showdown & Sustainability Day	Annually	Annually			25 hours/week	<ul style="list-style-type: none"> • Energy Manager • Graduate Assistant • Intern • Energy Management Specialist 	FM Operating Budget
Collaborate programming with campus groups: Dining Services & Residential Living	Monthly	Monthly			5 hours/month	<ul style="list-style-type: none"> • Energy Manager • Graduate Assistant 	FM Operating Budget
Create/Update websites: Facilities Management, Energy Management, Recycling & Sustainability Council	On-going	On-going			5 hours/month	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist • Graduate Assistant 	FM Operating Budget
Created Energy Management Facebook Group	On-going	On-going			1 hour/month	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist • Graduate Assistant 	FM Operating Budget
Teach LEAD 143-02 Eco PEAKS, (leadership and sustainability) in Fall 2010. Class is in Western PEAKS, a freshman year experience living-learning program	Annually	Annually			5 hours/week (Fall)	<ul style="list-style-type: none"> • Energy Manager • Graduate Assistant 	FM Operating Budget Residential Living
Advisor for Eco CATS Student Club	On-going	On-going			10 hours/month	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget

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Next 12 months Activities 2011-2012	Measurement		Savings		Cost	Assigned to	Funding Source
	Expected	Actual	Expected	Actual			
WCU Sustainability Council	Monthly	Monthly			10-15 hours/ month	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Continue campus wide energy conservation awareness and education program (monthly energy tip, presentations, audits, etc.)	On-going	On-going			10 hours/ month	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Collaborate programming with campus groups: Dining Services & Residential Living	Monthly	Monthly			5 hours/mo nth	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget
Updated Strategic Energy Plan	Annually	Annually			30 hours/ year	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Create/Update websites: Facilities Management, Energy Management, Recycling, Sustainability Council & Facebook	On-going	On-going			5 hours/mo nth	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Presented display table at WCU Employee Appreciation Day and other campus events as needed	Annually	Annually			10 hours/ year	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Organized campus event. Earth Day & Wellness Day and Recycle Mania	Annually	Annually			40 hours/ year	<ul style="list-style-type: none"> • Energy Manager • Energy Management Specialist 	FM Operating Budget
Advisor for Eco CATS Student Club	On-going	On-going			10 hours/ month	<ul style="list-style-type: none"> • Energy Manager 	FM Operating Budget

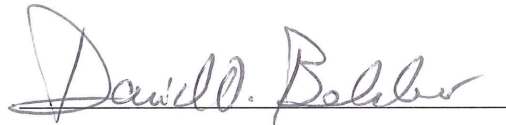
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Energy Declaration

I have read the Strategic Energy and Water Plan for Western Carolina University.
The plan, as presented, supports the reduction required in Senate Bill 668.

Implemented this 3rd day of October, 2011



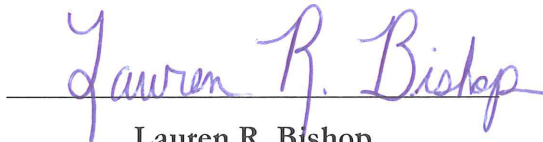
David O. Belcher
Chancellor



Robert T. Edwards
Chief Financial Officer



Joe Walker, P.E.
Associate Vice Chancellor for Facilities Management



Lauren R. Bishop
Energy Manager

Table 2 - Detailed Consumption Data

id	year	name	total utility \$	total energy \$	total btu	kwh	kwh \$	ng therms	ng \$	2oil gals	2oil \$	6 oil gals	6oil \$	propane gals	propane \$	coal tons	coal \$	wood tons	wood \$	steam lbs	steam \$	chw tons	chw \$	mgal water	water sewer \$	gsf	construction gsf	renovated gsf
60005010	2002-03	WESTERN CAROLINA UNIVERSITY	\$3,075,813	\$2,676,319	421,047,709,200	34,665,600	\$1,604,515	1,444,810	\$111,053	47,971	\$ 51,114.39	996,969	\$888,599	22,026	\$21,038	0	\$0	0	\$0	0	\$0	0	\$0	122,056	\$ 399,494	2,355,330	0	0
60005010	2003-04	WESTERN CAROLINA UNIVERSITY	\$3,300,828	\$2,956,822	321,776,010,400	37,039,200	\$1,747,534	1,606,150	\$975,042	45,498	\$ 52,605.89	171,870	\$153,188	28,620	\$28,452	0	\$0	0	\$0	0	\$0	0	\$0	115,711	\$ 344,006	2,355,330	0	0
60005010	2004-05	WESTERN CAROLINA UNIVERSITY	\$3,798,840	\$3,408,430	355,405,282,840	41,841,570	\$2,013,292	1,444,806	\$930,264	55,712	\$ 82,939.03	389,041	\$360,080	21,798	\$21,855	0	\$0	0	\$0	0	\$0	0	\$0	130,967	\$ 390,410	2,734,121	85,586	14655
60005010	2005-06	WESTERN CAROLINA UNIVERSITY	\$4,288,287	\$3,965,975	310,454,188,400	43,963,200	\$2,228,582	448,967	\$720,873	33,921	\$ 64,916.98	770,367	\$1,016,520	25,237	\$31,875	0	\$0	0	\$0	0	\$0	0	\$0	119,712	\$ 322,312	2,734,121	14,655	85586
60005010	2006-07	WESTERN CAROLINA UNIVERSITY	\$4,404,131	\$4,079,619	349,845,632,400	42,259,200	\$2,324,088	1,764,777	\$1,447,794	32,634	\$ 62,223.73	146,809	\$210,093	28,146	\$35,421	0	\$0	0	\$0	0	\$0	0	\$0	115,745	\$ 324,512	2,843,308	0	0
60005010	2007-08	WESTERN CAROLINA UNIVERSITY	\$4,878,278	\$4,555,323	353,297,519,520	41,697,600	\$2,371,908	2,043,922	\$2,051,162	27,912	\$ 83,837.97	3,539	\$5,062	23,854	\$43,353	0	\$0	0	\$0	0	\$0	0	\$0	112,705	\$ 322,955	2,790,749	0	0
60005010	2008-09	WESTERN CAROLINA UNIVERSITY	\$4,431,811	\$4,107,992	354,202,124,000	40,987,200	\$2,319,880	2,028,260	\$1,617,667	36,156	\$ 65,564.76	29,425	\$79,370	22,306	\$25,510	0	\$0	0	\$0	0	\$0	0	\$0	104,458	\$ 323,820	2,863,949	0	0
60005010	2009-10	WESTERN CAROLINA UNIVERSITY	\$4,187,337	\$3,883,525	331,551,316,800	44,678,400	\$2,605,660	1,715,385	\$1,134,701	26,260	\$ 85,505.70	7,500	\$10,682	30,096	\$46,977	0	\$0	0	\$0	0	\$0	0	\$0	95,260	\$ 303,812	2,798,946	0	0
60005010	2010-11	WESTERN CAROLINA UNIVERSITY	\$4,175,589	\$3,871,882	354,556,800,800	44,860,800	\$2,575,271	1,922,925	\$1,118,459	45,110	\$ 128,022.00	3,000	0	26,455	\$50,129	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	96,188	\$ 303,706	2,911,228	0	0
			energy evaluation										water/sewer evaluation															
			energy \$/gsf	\$/mmbtu	\$/mmbtu %change	btu/sf	btu/sf %change	\$/mgal	\$/mgal %change	gal/sf	gal/sf %change																	
60005010	2002-03	WESTERN CAROLINA UNIVERSITY	\$1.14	\$6.356		178,764		\$3.27		51.82																		
60005010	2003-04	WESTERN CAROLINA UNIVERSITY	\$1.26	\$9.189	45%	136,616	-24%	\$2.97	-9%	49.13	-5%																	
60005010	2004-05	WESTERN CAROLINA UNIVERSITY	\$1.25	\$9.590	51%	129,989	-27%	\$2.98	-9%	47.90	-8%																	
60005010	2005-06	WESTERN CAROLINA UNIVERSITY	\$1.45	\$12.775	101%	113,548	-36%	\$2.69	-18%	43.78	-16%																	
60005010	2006-07	WESTERN CAROLINA UNIVERSITY	\$1.43	\$11.661	83%	123,042	-31%	\$2.80	-14%	40.71	-21%																	
60005010	2007-08	WESTERN CAROLINA UNIVERSITY	\$1.63	\$12.894	103%	126,596	-29%	\$2.87	-12%	40.39	-22%																	
60005010	2008-09	WESTERN CAROLINA UNIVERSITY	\$1.43	\$11.598	82%	123,676	-31%	\$3.10	-5%	36.47	-30%																	
60005010	2009-10	WESTERN CAROLINA UNIVERSITY	\$1.39	\$11.713	84%	118,456	-34%	\$3.19	-3%	34.03	-34%																	
60005010	2010-11	WESTERN CAROLINA UNIVERSITY	\$1.33	\$10.920	72%	121,789	-32%	\$3.16	-4%	33.04	-36%																	
			\$/kwh	\$/therm	2 oil \$/gal	6 oil \$/gal	propane\$/gal	coal \$/ton	wood \$/ton	steam \$/mlb	chw \$/ton																	
60005010	2002-03	WESTERN CAROLINA UNIVERSITY	\$0.0463	\$0.077	\$1.07	\$0.89	\$0.96	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2003-04	WESTERN CAROLINA UNIVERSITY	\$0.0472	\$0.607	\$1.16	\$0.89	\$0.99	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2004-05	WESTERN CAROLINA UNIVERSITY	\$0.0481	\$0.644	\$1.49	\$0.93	\$1.00	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2005-06	WESTERN CAROLINA UNIVERSITY	\$0.0507	\$1.606	\$1.91	\$1.32	\$1.26	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2006-07	WESTERN CAROLINA UNIVERSITY	\$0.0550	\$0.820	\$1.91	\$1.43	\$1.26	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2007-08	WESTERN CAROLINA UNIVERSITY	\$0.0569	\$1.004	\$3.00	\$1.43	\$1.82	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2008-09	WESTERN CAROLINA UNIVERSITY	\$0.0566	\$0.798	\$1.81	\$2.70	\$1.14	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2009-10	WESTERN CAROLINA UNIVERSITY	\$0.0583	\$0.661	\$3.26	\$1.42	\$1.56	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2010-11	WESTERN CAROLINA UNIVERSITY	\$0.0574	\$0.582	\$2.84	\$0.00	\$1.89	\$0.00	\$0.00	\$0.00	\$0.00																	
			Cost per Therm (100,000 Btu) all Energy Sources																									
60005010	2002-03	WESTERN CAROLINA UNIVERSITY	\$1.36	\$0.08	\$0.76	\$0.59	\$1.04	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2003-04	WESTERN CAROLINA UNIVERSITY	\$1.38	\$0.61	\$0.83	\$0.59	\$1.08	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2004-05	WESTERN CAROLINA UNIVERSITY	\$1.41	\$0.64	\$1.06	\$0.62	\$1.09	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2005-06	WESTERN CAROLINA UNIVERSITY	\$1.49	\$1.61	\$1.37	\$0.88	\$1.37	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2006-07	WESTERN CAROLINA UNIVERSITY	\$1.61	\$0.82	\$1.36	\$0.95	\$1.37	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2007-08	WESTERN CAROLINA UNIVERSITY	\$1.67	\$1.00	\$2.15	\$0.95	\$1.98	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2008-09	WESTERN CAROLINA UNIVERSITY	\$1.66	\$0.80	\$1.30	\$1.80	\$1.24	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2009-10	WESTERN CAROLINA UNIVERSITY	\$1.71	\$0.66	\$2.33	\$0.95	\$1.70	\$0.00	\$0.00	\$0.00	\$0.00																	
60005010	2010-11	WESTERN CAROLINA UNIVERSITY	\$1.68	\$0.58	\$2.03	\$0.00	\$2.06	\$0.00	\$0.00	\$0.00	\$0.00																	