

2014–2020 Statewide Capital Improvements Plan

**Capital Planning Advisory Board
of the Kentucky General Assembly**

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Summary



Maysville Ledger-Independent

2014–2020 Statewide Capital Improvements Plan

Summary

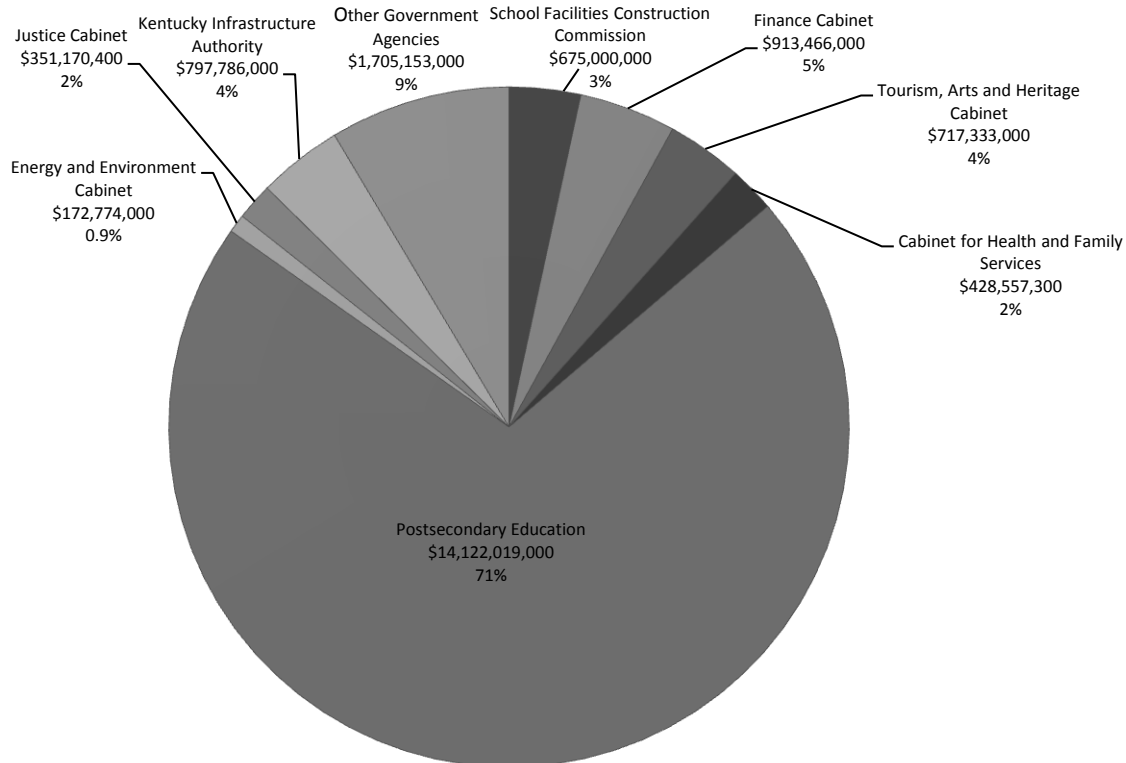
The Capital Planning Advisory Board's 2014–2020 Statewide Capital Improvements Plan focuses on providing the facilities, technology, and equipment that will allow state services to be provided to the citizens of the commonwealth efficiently and effectively. To meet these objectives, the plan contains a series of policy and project recommendations.

The state manages or administers 86 million square feet of space. These facilities are an important tool for the delivery of the services that citizens need and desire. They include office buildings, hospitals, classrooms and other educational facilities, penal institutions, juvenile detention and treatment centers, and park lodges and other recreational/conference facilities.

The 2014–2020 capital plans, submitted by state executive branch agencies, postsecondary institutions, and the judicial branch, reported the need for projects totaling approximately \$19.8 billion from all fund sources over the next 6 years.

The following chart reflects the project needs by area of government.

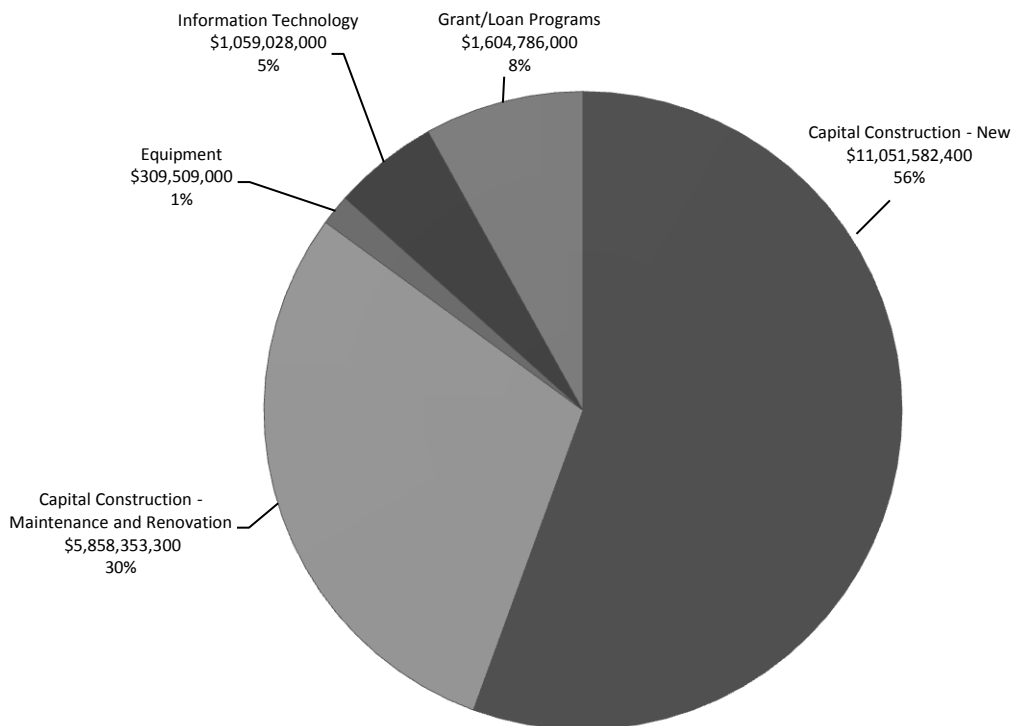
TOTAL - \$19,883,258,700
(all fund sources)



By Area Of Government

For the 6-year period, capital plans for the executive branch and the judicial branch reflect the need for approximately \$11 billion for construction projects such as new facilities and expansions; \$5.8 billion for maintenance and renovation of existing facilities; \$309 million for equipment; \$1.0 billion for information technology projects; and \$1.6 billion for the grant and loan programs that provide assistance to nonstate entities for water and sewer infrastructure, schools, and economic development.

TOTAL - \$19,883,258,700
(all fund sources)



By Project Type

The board and the 6-year capital planning process were established by the 1990 General Assembly and codified as KRS Chapter 7A. The 16-member board has appointees from each of the three branches of state government. It creates a 6-year comprehensive statewide capital improvements plan, encompassing all state agencies and postsecondary institutions, to be submitted to the heads of the three branches—the governor, the chief justice, and the Legislative Research Commission (LRC)—by November 1 of each odd-numbered year. This enables the comprehensive capital plan to be used in the subsequent budget process and legislative session.

The 2014–2020 capital planning process began with the board’s May 2012 approval of guidelines for submission of the agency plans. The plans were required to include information

about the agency's mission and programs, information about the facilities and space that the agency manages or occupies, information about projects that were recently completed or are under way, and information about projects that are proposed to be undertaken during the upcoming 6 years.

The plans were submitted on April 15, 2013, using a Web-based system developed by the LRC Office for Computing and Information Technology. Review of the plans and development of this statewide plan by the board occurred over the course of meetings from May through September. At these meetings, the board received testimony from representatives of the state agencies and postsecondary institutions concerning the projects reflected in their plans. The board also received a staff update on Kentucky's bonded indebtedness and reports and recommendations from the Council on Postsecondary Education and the Commonwealth Office of Technology.

Policy Recommendations



2014–2020

Statewide Capital Improvements Plan

POLICY RECOMMENDATION
BUDGET RESERVE TRUST FUND

The Capital Planning Advisory Board recommends that the Governor and the General Assembly place a high priority on fully funding the budget reserve trust fund at a level that represents 5 percent of general fund revenues.

The board has consistently recommended that the budget reserve trust fund (BRTF) be adequately funded in accordance with the provisions of KRS 48.705.

The budget reserve trust fund was formally established by House Bill 2, as enacted by the 1995 Special Session of the General Assembly and codified as KRS 48.705. It provides for the budget reserve trust fund to be financed through direct appropriations, surplus revenue receipts in the general fund, and certain unexpended appropriations in order to maintain a balance equal to 5 percent of general fund receipts.

National agencies that rate state bonds have indicated that the existence of a reserve fund in an amount equal to 3 percent to 5 percent of revenues demonstrates a “best effort” to prepare a state for fiscal uncertainties. Kentucky’s commitment to funding for the budget reserve trust fund was a factor in rating upgrades and the state’s strong credit rating in the late 1990s.

The following chart shows balances in the fund at the end of each fiscal year since 1995.

Fiscal Year	Ending Balance	As a Percent of Revenues
1995	\$100,000,000	2.0
1996	200,000,000	3.8
1997	200,000,000	3.6
1998	200,000,000	3.4
1999	230,533,000	3.8
2000	239,283,400	3.8
2001	239,831,863	3.6
2002	0	0
2003	5,087,400	0.1
2004	50,764,829	0.7
2005	28,764,844	0.4
2006	119,015,100	1.4
2007	231,489,736	2.7
2008	214,775,436	2.6
2009	7,125,158	0
2010	0	0
2011	0	0
2012	121,722,555	1.4
2013	121,722,555	1.3
2014	98,294,206	1.0

At the beginning of the 2000–2002 biennium, the BRTF had a balance of \$278.6 million, representing 4.1 percent of general fund revenues—the first time the fund had exceeded 4 percent.

The fund is expected to have a \$98 million balance at the beginning of the upcoming fiscal biennium, or 1 percent of FY 2014 revenues.

POLICY RECOMMENDATION
POSTSECONDARY EDUCATION—BALANCED CAPITAL INVESTMENT APPROACH

The Capital Planning Advisory Board endorses the Council on Postsecondary Education's multibiennium strategy for financing the capital needs of the postsecondary institutions and recommends that the Governor and the General Assembly endorse the Council's balanced funding investment framework and provide funding in the 2014–2016 and subsequent state budgets.

Throughout its history, the Capital Planning Advisory Board has made numerous recommendations regarding the need to adequately and appropriately address major capital renewal, maintenance, and renovation needs of state-owned facilities, including those managed by the postsecondary education institutions.

A report on the condition and needs of the postsecondary facilities, commissioned by the Council on Postsecondary Education (CPE) and the institutions, was completed in April 2007. Vanderweil Facility Advisors Inc. (VFA Inc.) was the prime contractor, with Paulien & Associates and the National Center for Higher Education Management Systems completing sections of the report addressing space adequacy/capacity and financing, respectively.

For the facilities assessed, the report identified a current backlog of deferred renewal needs totaling approximately \$2.0 billion systemwide and additional needs totaling \$3.35 billion through 2021. These figures address only education and general facilities, which are primarily classroom, research, and other academic space on campus.

In 2011, CPE developed a new balanced approach and model to address the capital needs of postsecondary institutions. CPE requested and received the board's support. To fund this initiative, in its 2014–2016

budget request due November 2013, CPE intends to request multibiennium funding that would cover 6 years.

The model recommends that CPE establish and administer a pool of funds and that funding be done in an allocation of dollars to each institution, rather than on a per-project basis. Postsecondary institutions will select and rank their projects based on three priority areas: asset preservation, construction of new/expanded education and general research facilities, and information technology initiatives.

Each institution's project list would be included in the CPE capital recommendation as a requirement to be eligible to receive an allocation of funds. The institutions must also agree to meet a certain balance of the expenditures on asset preservation. The multibiennium strategy will mirror as closely as possible the VFA recommendation to address current standards for educational facility condition, adequacy, and capacity.

This multibiennium funding approach would provide a balanced investment as recommended by the VFA study; allow more flexibility for institutions to implement capital projects; allow campuses to better plan for construction; and provide for stronger protection of state-owned assets.

POLICY RECOMMENDATION
FUNDING FOR INFORMATION TECHNOLOGY CAPITAL PROJECTS

The Capital Planning Advisory Board recommends that the Governor and the General Assembly provide adequate and equitable funding in the 2014–2016 Executive Budget for agency information technology projects.

For the 2014–2020 planning period, state agency and university capital plan submissions contain 74 information technology (IT) project requests estimated to cost \$332 million (general fund). Fifty-six projects are requested in the first biennium alone and are estimated to cost \$234.5 million. The vast majority of these projects provide for updates to outdated IT systems functioning beyond their useful life.

Information technology plays a crucial role in the efficient delivery of services to the public. Upgraded IT systems are necessary to improve the delivery of services and to ensure that business processes operate in the most cost-effective manner. Modernized systems will allow for greater ease of maintenance and will position the commonwealth to implement efficiencies, reduce waste and fraud, and improve data accuracy. Modernized Web-based IT systems will increase access to services and accountability of services.

Many IT investments require significant capital expense but do not represent a traditional “durable goods” acquisition. Information technology changes rapidly and must be viewed as an ongoing investment. The planning and funding

decisions for capital IT systems should fully consider the total cost of ownership in addition to the proposed project costs. The total cost of ownership, for any project under consideration, should include the costs of infrastructure (servers, switches, routers, repeaters, cabling, antennas, and other devices, which allow secure service delivery from the commonwealth’s data and voice networks), software maintenance and upgrades, professional staffing, contractors, support, maintenance, and other ongoing costs of operating the system, for the life of the system.

The life cycle of technology is 3 to 7 years. Many of the agency information technology projects have been submitted in multiple capital plans dating as far back as 2002. Addressing the state’s information technology needs on an ongoing basis, rather than allowing systems to become completely outdated, will reduce or eliminate the need for large-dollar projects.

Increased funding for the backlog of IT projects will allow the commonwealth to more efficiently and effectively deliver services to citizens.

POLICY RECOMMENDATION

STATE AGENCY MAINTENANCE POOLS

The Capital Planning Advisory Board recommends that in each biennium sufficient funding be appropriated for miscellaneous maintenance pools to allow agencies to address maintenance projects in order to protect taxpayer investment in the state's physical plant.

Appropriation of bond funds for agency maintenance pools has allowed agencies to undertake needed maintenance projects that otherwise would have required line-item budget authorization. However, this funding reduces the flexibility of agencies to undertake small projects that do not meet the 20-year useful life requirement for bond funding. Despite its benefits, bond funding should not be used to the exclusion of the traditional cash funding.

Miscellaneous maintenance pools appropriated to state agencies are used primarily for both planned and unanticipated projects (maintenance, minor construction, etc.) costing less than the threshold requiring line-item authorization in the biennial budget bill (currently \$600,000). Funding for these pools has been as follows:

	(\$ millions)		
<u>Biennium</u>	<u>Cash</u>	<u>Bonds</u>	<u>Total</u>
2000–02	\$28.8	\$0	\$28.8
2002–04	25.4	0	25.4
2004–06	17.7	13.2	30.9
2006–08	19.6	10.0	29.6
2008–10	16.2	14.0	30.2
2010–12	7.3	18.5	25.8
2012–14	9.02	22.5	31.5

Figures account for miscellaneous maintenance pools and do not reflect pools for specific categories of needs (for instance, handicapped access, roofs, chillers) or nonconstruction items (for instance, equipment maintenance).

The Capital Planning Advisory Board has long identified adequate amounts for agency miscellaneous maintenance pools as a top priority for funding in the biennial budget. These small expenditures can keep small items from escalating into major maintenance or renovation needs.

As a long-standing executive and legislative policy, capital construction investment income has been the principal source of state funding used to support agency maintenance pools. Investment income is cash from interest earned on the investment of money appropriated to capital construction accounts, trust and agency accounts, and trust and agency revolving accounts that are not otherwise dedicated.

The 2012–2014 budget has continued the practice of complete or partial bond-funded agency maintenance pools. Because this long-term financing was used, the budget also directed that maintenance pool funds be used for projects costing more than the line-item authorization threshold. Such projects must be reported to the Legislative Research Commission Capital Projects and Bond Oversight Committee.

The 2012–2014 budget includes bond-funded maintenance pools for the Finance and Administration Cabinet; the Cabinet for Health and Family Services; the Department of Corrections, within the Justice and Public Safety Cabinet; and the Department of Parks, within the Tourism, Arts and Heritage Cabinet.

Project Recommendations



2014–2020

Statewide Capital Improvements Plan

Project Recommendations Projects To Be Financed From State Funds

Recommendation

The Capital Planning Advisory Board believes that good stewardship of assets acquired with revenues from the taxpayers requires that those assets owned by the commonwealth be adequately maintained in order to continue providing services to the citizens of Kentucky. Adequately maintaining those residential facilities that house the state's most vulnerable citizens (such as hospitals and treatment facilities) is particularly important.

The board recognizes that many other needed and worthwhile projects have been proposed by state agencies and postsecondary institutions. However, the following recommendations emphasize the priority the board believes should be placed on appropriately maintaining existing facilities and equipment.

In making its project recommendations, the board has traditionally emphasized that, as a planning body, its focus should be on the priority and need to be addressed rather than on the specific details of each project (such as cost). The recommendation for projects to be financed with state funds in the 2014–2016 capital budget continues that approach.

Statutory Capital Funding Pools/Programs

The board believes that maintenance of existing state facilities should be recognized as the highest priority in the 2014–2020 capital plan. The board recommends that funds be appropriated to each of the three pools established in KRS Chapter 45 to address capital project needs throughout state government. The amount recommended is consistent with the Finance and Administration Cabinet request of \$12,500,000 for the FY 2014–2016 biennium. The pools are:

- the capital construction and equipment purchase contingency account, which is used primarily to address cost overruns on authorized projects;
- the emergency repair, maintenance, and replacement fund, which is used to address unanticipated projects needed to prevent or minimize injury or damage; and
- the statewide deferred maintenance fund, which is a supplemental funding source to address deferred maintenance or government mandate needs primarily for agencies that have inadequate maintenance funds.

State Agency Maintenance Pools For Construction Needs

The board recommends that maintenance pool appropriations for all agencies be significantly increased in the 2014–2016 biennium. In a separate policy recommendation, the board has reiterated its belief in the importance of the state agency maintenance pools to finance minor planned and unanticipated construction project needs (usually costing less than \$600,000

each). In their 2014–2020 capital plans, the agencies have identified the need for a total of about \$228 million for maintenance pools over the 6-year period. In the first biennium, the request for maintenance pool funding totals \$85 million. This is significantly more than has been appropriated for this purpose in past biennia.

State Agency Equipment Maintenance Pools And Replacement Schedules

The board also recommends that funds be provided, as appropriate, for equipment and systems maintenance pools. Similar to the need to protect the state’s investment in facilities, various agencies that are responsible for major equipment assets of the state need the ability to address ongoing maintenance needs of those items, including aircraft and communications equipment. The board further recommends that funding be regularly appropriated to allow agencies to establish and adhere to equipment replacement schedules so that replacement and upgrade needs can be addressed periodically, rather than accumulating until a major infusion of funds is required.

Long-Range Plan For Housing State Agencies In The Frankfort Area

The board commends the Department for Facilities and Support Services in the Finance and Administration Cabinet for its continuing progress toward implementing the plan developed in response to KRS 42.425 to reduce the amount of space leased to house state agencies in Franklin County. That plan later evolved to include addressing functional obsolescence issues of various major state buildings in Frankfort. This progress has been accomplished through approaches including state-funded new construction, state-funded renovations, and other renovations.

The board also requests that the department continue to address reducing the amount of space that state government leases in other locations around the state. This action is consistent with KRS 42.425(2)(b)2, which directs the development of long-range plans for housing state agencies in metropolitan areas.

Grant And Loan Programs

Various agencies have proposed significant funding in 2014–2016 for programs that would provide assistance, through a competitive application process, to nonstate entities. Included are programs of the Cabinet for Economic Development, the Department for Local Government, the Kentucky Infrastructure Authority, and the School Facilities Construction Commission. Because of the limited resources available and the significant needs in other areas of government, the board urges that decision makers carefully analyze existing fund balances/carry forwards prior to authorizing additional appropriations for these programs.

Specific Project Recommendations

The board also recommends various other specific projects in the categories of construction to protect investment in plant (maintenance/renovation), information technology, and new construction.

In addition to the pools to address minor projects and the statutory pools/programs, the board recommends funding for the following **maintenance/renovation** projects (costing \$600,000 or more each) to protect the state's significant investment in its physical plant:

(This list is in alphabetical order; it does not reflect a prioritized ranking.)

Expand and Renovate Life Sciences Building – University of Louisville
Expand/Renovate/Upgrade Law Building – University of Kentucky
HVAC System Upgrades – Department of Education
Renovate and Expand Betty White Nursing Building – Kentucky State University
Renovate Science Campus Phase IV – Western Kentucky University
Renovate Student Health Center – Eastern Kentucky University
Renovate/Upgrade Academic Learning Center – University of Kentucky
Replace Underground Gas Mains – Northern Kentucky University
Replace Underground Infrastructure - Steam/Electric – Western Kentucky University
Stabilization of Dorm 8 Kentucky State Reformatory – Department of Corrections
Thomson-Hood Veterans Center 2 Unit Renovation – Department of Veterans Affairs
Upgrade Campus Electrical Distribution System – Murray State University
Upgrade Campus Fire and Security Systems – Morehead State University
Upgrade Data Center Readiness – Finance and Administration Cabinet
Upgrade Guest Accommodations – Department of Parks
Upgrade/Renovate Western State Nursing Facility – Cabinet for Health and Family Services

Investments in **information technology** have become increasingly important as the state seeks to deliver services efficiently and effectively. The board recommends the following information technology projects for funding in the 2014–2016 budget:

(This list is in alphabetical order; it does not reflect a prioritized ranking.)

Child Support System (KASES III) – Cabinet for Health and Family Services
Eligibility Systems Integration Services – Cabinet for Health and Family Services
House Bill 265 Adult Learner Degree Attainment Initiative – Council on Postsecondary Education
Information Tech Infrastructure Upgrade – Kentucky Community and Technical College
Kentucky Business One Stop Phase 2 – Finance and Administration Cabinet
Replace Obsolete Systems (WiFi and telephone) – Department of Parks
Replace/Upgrade Mobile Data Computers – Kentucky State Police
Upgrade Campus Phone and Data Network – Murray State University
Upgrade Information Technology Infrastructure – Kentucky State University
Upgrade IT Infrastructure – Western Kentucky University

Recognizing that **new construction** may also be needed to facilitate the delivery of state services, the board recommends the following for funding in the 2014–2016 budget:

(This list is in alphabetical order; it does not reflect a prioritized ranking.)

Community Based Psychiatric Facilities West Region - Cabinet for Health and Family Services
Construct Belknap Classroom/Academic Building - University of Louisville
Construct Business and Technology Center - Kentucky State University
Construct/Complete New Science Complex Final Phase - Murray State University
Construct Fourth State Veterans Nursing Home (Additional funding) - Department of Veterans Affairs
Construct MCTC/MSU Postsecondary Center of Excellence Phase I - Kentucky Community and Technical College System
Construct Medical Examiner Office Jefferson Lab - Justice and Public Safety Cabinet
Construct New Breathitt Veterinary Center - Murray State University
Construct Records Holding Building Frankfort - Department of Military Affairs
Construct Science Building Phase II - Eastern Kentucky University
Construction/Renovation/Addition Nicholas County - Court of Justice
Energy Management System Implementation - Finance and Administration Cabinet
Kentucky History Center Museum Renovations - Tourism, Arts and Heritage Cabinet
Renewal of the Capital Plaza Complex - Finance and Administration Cabinet
Renovate/Expand Student Services Facility - Morehead State University
Renovate Old Science/Construct Health Innovation - Northern Kentucky University
Renovation of New Academy Buildings and Grounds - Kentucky State Police

Note: The following project descriptions reflect the brief description/justification narratives provided by the agencies in their capital plans.

**Maintenance/Renovation
(Construction To Protect Investment in Plant)**

Expand and Renovate Life Sciences Building

University of Louisville

\$72,015,000

This authorization will renovate the existing 117,800-gross-square-foot facility, originally constructed in 1969, including correcting deficiencies by renewing the entire building infrastructure. Existing labs will be renewed and new research labs will be created in the existing building. Additionally, a 48,000-gross-square-foot addition will be constructed for relocation of teaching labs, creating a modern, media-rich lab/classroom environment integrating interactive technologies to support and enhance the classroom and laboratory experience. Multi-media audiovisual equipment is becoming commonplace, not only in the classrooms, but in the teaching laboratories as well.

Expand/Renovate/Upgrade Law Building

University of Kentucky

\$60,000,000

This project will renovate/upgrade the Law Building. The Law Building was constructed in 1965 with an addition completed in 1980. It is approximately 100,279 gross square feet, and contains classrooms, class labs, library, etc. The statewide Higher Education Facilities Condition Assessment by VFA classified this building as in poor condition. While this facility has been well maintained, age is taking its toll on individual components within systems in the building.

HVAC System Upgrades Kentucky School for the Deaf

Department of Education

\$3,500,000

HVAC upgrade locations will include: Thomas Gym (priority), Middleton, Brady, and Barbee Hall. The average age of the equipment is over 33 years. HVAC upgrades will include disconnecting these buildings from the current boiler system.

Renovate/Expand Betty White Nursing Building

Kentucky State University

\$9,028,000

This project will renovate and reallocate space to the nursing program that was formally designated space for another unit. The available space is inadequate and not well designed for the nursing program's needs. This project will provide adequate program space by means of an addition and renovation of existing space to serve the administrative and academic needs of the program.

Renovate Science Campus Phase IV

Western Kentucky University

\$48,000,000

Multi-phase effort, which originated with a 2005 master plan to update all science and engineering facilities in the Ogden College of Sciences at WKU. These projects will provide

improved instructional, research, and administrative facilities, making the college's programs more attractive to prospective students. This project is also necessary due to increases in enrollment. This project will consist of the complete and comprehensive renovation of Thompson Complex Center Wing and the replacement of the adjacent Hardin Planetarium.

Renovate Student Health Center

Eastern Kentucky University

\$2,705,000

The Student Health Center is in the Rowlett Building, which was built in 1976. The Rowlett Building is in need of its first renovation to modernize this facility. This update includes examination rooms, offices, storage, health education training areas, and a women's clinic.

Renovate/Upgrade Academic Learning Center

University of Kentucky

\$45,000,000

This project converts the 1930 portion of King Library to core campus classrooms. This project is needed to increase the number of classrooms on campus due to ongoing student enrollment growth.

Replace Underground Gas Mains

Northern Kentucky University

\$2,500,000

Aging steel underground gas mains are in critical need of replacement. The university has about 2,000 linear feet of steel, underground gas mains. While these gas mains are all protected by anode bags (to prevent ferrous deterioration—rusting to the point of pipe failure and leaks), the lines should be replaced with plastic to prevent the risk of failure.

Replace Underground Infrastructure Steam/Electric

Western Kentucky University

\$30,000,000

This project will renovate the existing electrical distribution infrastructure and will continue the replacement of campus underground steam lines. The university has been working on a phased plan to update the campus electrical system since 1998. Over \$10 million has been invested. Because of delays in funding, continued deterioration of the existing infrastructure, and the rapid growth of the campus, it has become necessary to complete the upgrade in one combined project to avoid a catastrophic failure of the system. The steam line distribution will replace critical sections and replace production equipment in the Central Plant, which has not been upgraded since the 1960s. WKU has determined these two infrastructure projects to be critical.

Stabilization of Dorm 8 Kentucky State Reformatory

Department of Corrections

\$3,710,000

Dorm 8 at the Kentucky State Reformatory is one of the original dormitories from the late 1930s. There are many problems with the building exterior, including movement of the exterior masonry wall, damage to the exterior masonry units, cracks in the wall, damage to the steel windows and lintels, and damage to the foundation walls. These problems result in moisture entering the building and can be dangerous if sections of the wall or the windows fall. This project includes replacement of the exterior masonry, incorporating a cavity wall to address both moisture issues and structural integrity. It also replaces the rusted-out windows, HVAC system, and the deteriorated and leaking roof.

Thomson-Hood Veterans Center 2 Unit Renovation

Department of Veterans Affairs

\$6,740,000

This renovation will convert two wings of Thomson-Hood Veterans Center to a community living concept model, in which residents live as closely as possible to how they would in their own homes. Private rooms, centralized meal preparation, and comfortable gathering spaces are all important aspects of the community living concept, which is now a requirement of new construction of nursing homes within the VA grant-supported system.

Upgrade Campus Electrical Distribution System

Murray State University

\$13,038,000

This upgrade to the main campus electrical distribution system includes upgrading the Central Plant Substation to replace 40-year-old equipment. The project will also replace transformers, switches, underground cable/conduit, and related equipment to ensure the reliability of the campus electrical system.

Upgrade Campus Fire and Security Systems

Morehead State University

\$3,000,000

This project includes replacement/upgrades to the current fire alarm systems with systems that are compliant with provisions of the Americans With Disabilities Act and support voice-evacuation and remote accessibility. All fire control panels need to be relocated to easily accessible areas. The project also includes the addition and expansion of audio and IP emergency alert systems, and replacement and expansion of the campus video surveillance and electronic door access systems.

Upgrade Data Center Readiness

Finance and Administration Cabinet

\$5,000,000

The existing Cold Harbor building, presently housing the central operations of the Commonwealth Office of Technology (COT), requires various repairs and upgrades to protect investment and accommodate the evolving and expanding mission of COT to provide data services to the commonwealth. This project will assess current facilities including upgrades versus offsite redundant system; upgrade heating, cooling, electrical, and telecommunications/data systems; and provide for alteration of interior spaces to accommodate the operational needs of COT.

Upgrade Guest Accommodations

Department of Parks

\$5,500,000

The existing accommodation package offered to park guests is substandard to products being offered by private industry. Room finishes and furnishings need to be updated to contemporary standards to provide appealing accommodations to guests. Climate control and air-quality issues need to be addressed to ensure customer comfort and safety. Televisions in all 1,200 accommodations need to be replaced to accommodate new broadcast standards, and cable service needs to be upgraded to digital-ready format.

Upgrade/Renovate Western State Nursing Facility

Cabinet for Health and Family Services

\$5,853,300

This project will allow for the completion of the renovation of the electrical and HVAC systems at Western State Nursing Facility. The HVAC system is in need of replacement due to the rusted piping and equipment that is past its expected life cycle. The plumbing system shows signs of age and is in need of replacement. To prevent extensive upkeep and maintenance costs due to age, the elevator in Building 31 needs to be replaced.

Information Technology Projects

Child Support System (KASES III)

Cabinet for Health and Family Services

\$85,076,000

This project will reengineer the Kentucky Automated Support and Enforcement System (KASES) to incorporate new technologies, automate as many manual business processes as possible and to provide automated workflow and enforcement capabilities. KASES is a 22-year-old legacy mainframe application. A modernized system will allow for greater ease of maintenance and will position the commonwealth to implement efficiencies, reduce waste and fraud, and improve data accuracy in meeting federal administrative and reporting requirements. Failure to replace this system will harm the cabinet's ability to provide state and federally mandated services.

Eligibility System Integration Services

Cabinet for Health and Family Services

\$80,000,000

The new Medicaid Eligibility System approved by the 2012 General Assembly is under development. With the goal of operating a single enterprise eligibility system, this project seeks funding to enhance the foundational components of the Medicaid Eligibility System by integrating eligibility systems supporting other various health and human services programs that serve a large common population.

House Bill 265 Adult Learner Degree Attainment Initiative

Council on Postsecondary Education

\$1,000,000

The 2012–2014 Budget of the Commonwealth directs the Council on Postsecondary Education (CPE), in consultation with the institutions, to implement the Adult Learner Degree Attainment Initiative, which will focus on the large numbers of working adults who would benefit from postsecondary education. Implementation of this statewide initiative will require extensive use of Internet-based instruction. CPE is in discussions with collaborators to determine which level and types of technology will be required to support the legislative mandate.

Information Technology Infrastructure Upgrade

Kentucky Community and Technical College System

\$12,000,000

The intent of this project is to secure funding to build a system applications expansion to the current information technology infrastructure. These infrastructure improvements are necessary to expand higher education, promote economic development in communities, and provide access to local, statewide, national, and international resources.

Kentucky Business One Stop Phase II

Finance and Administration Cabinet

\$7,243,000

This project will provide reliable, cost-effective services to citizens through creation of a single, unified entry point to state government. As part of Phase II, the Finance and Administration Cabinet, the Secretary of State's office, and the Cabinet for Economic Development will work with the Executive Branch to create the network of information that state agencies maintain for businesses of the commonwealth by mapping interactions and taking advantage of data-sharing opportunities to reduce redundancies for the portal's users and for state agencies.

Replace Obsolete Systems (WiFi and telephone)

Department of Parks

\$1,750,000

Replace aging/obsolete WiFi (wireless Internet for guests) systems at 16 resort parks. The WiFi systems are no longer supported or manufactured by the vendor (Avaya). Replace WiFi hardware at 11 campgrounds, and install WiFi at 20 remaining campgrounds. Replace aging/obsolete phone systems at 13 resort parks.

Replace/Upgrade Mobile Data Computers

Kentucky State Police

\$1,500,000

Requesting purchase of approximately 400 mobile data computers. This project will upgrade the mobile computing capability within the Kentucky State Police and will provide officers access (independent of that provided through dispatch services) to data from the Law Enforcement Information Network of Kentucky and the National Criminal Information Center. Mobile data computers will also provide for greater efficiency of operations through “silent dispatch” as well as increased capacity for data storage, instant messaging, mapping, etc. The result of this upgrade is safety for the public and law enforcement officers.

Upgrade Campus Phone and Data Network

Murray State University

\$4,485,000

This project will allow Murray State University to upgrade the campus phone and data network to replace equipment that is becoming obsolete.

Upgrade Information Technology Infrastructure

Kentucky State University

\$6,261,000

Both KSU’s fiber network and its wireless network need to be expanded and upgraded. The fiber network’s current topology needs to convert to a star topology, which will require reinstalling fiber to each building and terminating each connection at a central fiber hub. Redundant connectivity will ensure near 100 percent uptime for the network. This project will also allow advances in information distribution using electronic handheld devices. Wireless access to KSU’s research farm in Franklin County will also be extended.

Upgrade IT Infrastructure

Western Kentucky University

\$4,600,000

The purpose of this project is to upgrade the infrastructure to handle escalating bandwidth demands resulting from increased enrollment, large data transfers, streaming media and the addition of campuswide wireless capability. All of these initiatives have created new demands on the network, especially the network core, which must be addressed.

Other Construction (New)

Community Based Psychiatric Facilities West Region

Cabinet for Health and Family Services

\$63,000,000

This project will relocate services provided by the Western State Psychiatric Hospital in Hopkinsville. The Western State Nursing Facility, Genesis Drug Rehabilitation and other required facility support buildings will remain in operation on the current campus. Up to seven facilities will be built or acquired through other means and will have the capacity to serve 15-40 individuals each. The new facilities would be located in or around the following counties: Christian, Hopkins, Barren, Warren, Daviess, Henderson, and McCracken. These counties, along with others, make up the Western State Psychiatric Hospital catchment area. This model will create treatment options closer to individuals' homes and increase continuity of care between community health providers and the inpatient facility.

Construct Belknap Classroom/Academic Building

University of Louisville

\$80,560,000

This project provides for the construction of a new 155,000-gross-square-foot interdisciplinary classroom building. The new building will provide office space for the departments in the College of Arts and Sciences along with needed high-technology classrooms and student laboratories to facilitate instruction for both undergraduate and graduate students.

Construct Business and Technology Center

Kentucky State University

\$31,528,000

This project would construct a new building for the School of Business, the university's largest academic program. Proposed to be located on the main campus south of US 60, this facility will provide a highly visible, state-of-the-art home for the Business School that is currently housed in Bradford Hall. The project will permit the development of educational technologies not currently available to the school and enable it to meet its mission of providing professional development classes to the entire Frankfort community. This initiative would be the first step in addressing the programmatic and structural issues related to Bradford Hall. The VFA Condition Assessment and Space Study found Bradford Hall to be substandard space for the Business Program and suggested that both the Business School and the music/theater programs, also located in Bradford Hall, would be better served in new facilities. The school, with its new MBA program, hopes to grow 5 percent each year but is in a competitive disadvantage at its present location.

Construct Fourth State Veterans Nursing Home (Additional Funding)

Department of Veterans Affairs

\$35,500,000

Construction of a 120-bed veterans nursing home in Radcliff in the community living concept. Four 30-bed houses will serve veterans with skilled nursing and dementia-care needs. Sixty-five percent of the construction cost will be borne by the US Department of Veterans Affairs and the remaining 35 percent is the required state match. Kentucky's current veteran population is more than 330,000. The Radcliff/Louisville area has one of the largest populations of veterans in Kentucky (70,000). The facility will employ approximately 250 individuals and will include a separate administrative building.

Construct MCTC/MSU Postsecondary Center of Excellence Phase I

Kentucky Community and Technical College System

\$29,775,000

Kentucky Community and Technical College System proposes to construct Phase I of a Regional Postsecondary Education Center on a new Rowan County campus of Maysville Community and Technical College (MCTC). Phase I MCTC, in partnership with Morehead State University, will develop a Center of Excellence in Advanced Manufacturing Technologies. Along with the Center of Excellence, supporting programs from Rowan's existing campus will be relocated to the new campus. Eventually, all programs at the existing campus will be relocated. The existing campus contains approximately 69,000 gross square feet. The first phase of this project will include 90,000 gross square feet.

Construct Medical Examiner Office Jefferson Lab

Justice and Public Safety Cabinet

\$22,629,000

This project will replace office/laboratory space for the medical examiner's office at the Urban Government Center in Louisville. The project will also replace the 8,000-square-foot Jefferson Laboratory Branch in Louisville. A new facility will allow for continued growth and evolution of the medical examiner's office and allow for the consolidation with the Jefferson Laboratory. The medical examiner's office anticipates the need for additional staff, as well as additional space for office functions. Several workrooms are also needed.

Construct New Breathitt Veterinary Center

Murray State University

\$32,468,000

The project would construct a 52,891-square-foot veterinary diagnostic laboratory to meet the future demands of animal diagnostics and teaching. This facility will replace the 45-year-old Breathitt Veterinary Center, which is in need of major renovations and is too small to accommodate the increasing diagnostic needs of the region and the growing academic programs. A feasibility study was completed to determine project programming and cost elements. The land acquisition and design process is also ongoing with use of previously appropriated funds. Should a balance be available from the previously appropriated funds following land acquisition and design work, authorization will be requested to use those funds for site development and construction.

Construct Records-Holding Building Frankfort

Department of Military Affairs

\$1,200,000

This project will construct a 4,300-square-foot facility to manage, house, and safeguard military service records. The new facility will address insufficient storage space and provide an environment that meets the standards for preservation of records over an extended period of time.

Construct Science Building Phase II

Eastern Kentucky University

\$66,340,000

As currently funded, the project will not accommodate the entire sciences programs. This project will allow the largest science program, the Department of Biological Sciences, to relocate to the new science building. This new structure will increase and enhance instructional space and alleviate problems of safety and access.

Construct/Complete New Science Complex Final Phase

Murray State University

\$36,890,000

This final phase of the Science Complex will include the construction of a new Engineering-Physics Building. Funds are available from previous phases of the New Science Complex to begin the planning of this project. Funds requested in this phase will complete the planning, design, and construction of the Engineering-Physics Building.

Construction/Renovation/Addition Nicholas County

Court of Justice

\$10,868,000

Construction of a 31,500-square-foot judicial facility to accommodate the Kentucky Court of Justice functions which include Circuit, Family, and District Courts; Circuit Court Clerk; Drug Court; Pretrial Services; and Juvenile Services. Annual General Fund Use Allowance - \$978,700.

Energy Management System Implementation

Finance and Administration Cabinet

\$11,000,000

This project will implement the Commonwealth Energy Management and Control System, which will support a more global ability to monitor, measure, report, and conserve energy consumption throughout all state-owned buildings.

Kentucky History Center Museum Renovations

Kentucky Historical Society

\$2,120,000

Create new exhibitions and program environments. Originally planned to last 10 years, the current 14-year-old exhibition will be upgraded to align with the changing educational landscape – emphasizing 21st-century skills, information literacy, technology, and design. Through this request, state funding will support infrastructure changes to the 20,000-square-foot space that are necessary for the building to accept the new exhibition and program spaces.

Renewal of the Capital Plaza Complex

Finance and Administration Cabinet

\$132,400,000

In the 2006–2008 Budget, the General Assembly authorized a project to design the renovation of the Capital Plaza Complex. A consulting architectural and engineering team was hired to perform the design of the renovation, and one of its first efforts was to perform a facility assessment. During that assessment, it became apparent that a renovation of the existing facility will not be the most cost-effective long-term strategy. In the team's initial presentation of findings, it recommended that an alternate approach be investigated. This approach will replace the existing tower with a 270,000-square-foot (316,000 gross square feet) office building and provide additional green space. The overpasses on Mero and Clinton Streets will be demolished, the pavers on the plaza level will be renovated, and new parking structures will be built. The Fountain Place plaza and garage and the YMCA garage will also be renovated. This project request is for the first phase, which includes demolition of the tower and underground parking, and construction a new office building and a 520-parking-space addition to the Transportation Cabinet Office Building garage.

Renovate Old Science/Construct Health Innovation

Northern Kentucky University

\$97,000,000

This project merges renovation of Old Science and the construction of the Health Innovations Center; a new wing of 124,000 square feet will be constructed west of Old Science, physically connecting to the 123,464-square-foot Old Science at multiple levels. The project scope includes the new wing as well as full renovation of Old Science. With the merged concept, the new wing will be 40,000 square feet smaller than otherwise, as some of the new square footage intended for the new building will be relocated to Old Science at a lesser cost per square foot. This strategy results in a net savings of \$20 million compared to the cost of two separate projects.

Renovate/Expand Student Services Facility

Morehead State University

\$49,679,000

This project will renovate approximately 53,000 square feet of the student services facility on campus (the Adron Doran University Center). The building underwent a renovation and expansion project completed in 2004 that addressed only a portion of the facility. The building is in need of infrastructure upgrades to replace outdated and inadequate HVAC and electrical and plumbing systems. Existing space needs to be realigned for more effective use in fulfilling the service needs of students. The project also provides for an approximate 87,000-square-foot expansion on the eastern side of the building to house a student services center.

Renovation of New Academy Buildings and Grounds

Kentucky State Police

\$7,960,000

On July 1, 2011, Department of Corrections transferred to the Kentucky State Police (KSP) ownership of 362 acres of land and 10 buildings at 380 Coffee Tree Road in Frankfort. This facility had previously been used as a minimum security prison, Frankfort Career Development Center. KSP will use this property as the agency's academy and training facility. Due to the previous use of this property and aged buildings, renovations must take place to transform this facility into a training facility to meet KSP's needs. This project is needed to provide a suitable training environment for cadets, troopers, and staff.

Project Recommendations

Projects To Be Financed From Other Than State Funds

Recommendation

The board recommends that in authorizing projects to be financed 100 percent from other than state funds and for which the other funds may be used for discretionary purposes (for instance, postsecondary education restricted funds), a high priority should be assigned to projects to address life/safety and deferred maintenance needs for which state funds are not provided.

In addition, the board recommends that in authorizing projects to be financed 100 percent from other than state funds, the following factors should be taken into account:

- Will the project require the expenditure of significant additional state funds for its operation and maintenance?
- Will the project commit the state to fund significant costs to complete the project after the available other funds have been expended?
- Are there agency programs or operations also financed by the proposed fund source that would be jeopardized by the use of the funds for a capital project?

Background

Agency-submitted capital plans contain approximately \$6.6 billion worth of projects that designate fund sources other than the General Fund. These sources (which are defined below) include restricted funds, federal funds, road funds, and other funds.

The largest users of these fund sources are the postsecondary institutions, with more than \$3.4 billion in proposed restricted fund projects. However, other agencies, such as Military Affairs (federal funds), the Commonwealth Office of Technology (restricted funds), the Department of Fish and Wildlife Resources (restricted funds), the Kentucky Lottery Corporation (other agency-generated funds), and the Transportation Cabinet (road funds), also rely on these sources.

For purposes of the Capital Planning Advisory Board's recommendations, these fund sources are defined as not being state funds. However, the General Assembly must authorize any funds used for capital projects during the biennial budget process.

Restricted funds are derived from licenses and fees, tuition, service charges, sales of goods or products, donations or grants from non-state sources, and expendable receipts and earnings from trust programs. Revenues generated by the housing and dining systems of the postsecondary institutions are categorized as restricted funds. Restricted funds are collected by state agencies and restricted by statute or the budget bill for expenditure by the collecting agency.

Federal funds are received by state agencies in the form of grants, contracts, or other assistance from the federal government for specific purposes. Main recipients of federal funds for capital purposes have traditionally been agencies within the Justice and Public Safety Cabinet, the Department of Military Affairs, and the postsecondary institutions (primarily for equipment). Under the American Recovery and Reinvestment Act, substantial funds have been made available to the Kentucky Infrastructure Authority drinking and wastewater projects for local communities.

Other funds may include cash from private contributions or gifts. This category is used primarily by the postsecondary institutions. The category has also been used to capture projects to be funded through privatization or other third-party financing arrangements.

Road funds are derived from excise or license taxation relating to gasoline or other motor fuels products and other money collected by the Transportation Cabinet.

Status Of Major State-Funded Construction Projects



**2014–2020
Statewide Capital Improvements Plan**

Status Of Major State-Funded Construction Projects

The chart below reflects the status of state general fund construction projects as of October 2013. All projects were authorized in a biennial budget.

Agency/Project	Project Status
Executive Branch/Agencies	
Cabinet for Health and Family Services	
Renovate Oakwood Specialty Clinic	Revising/Bidding
Replacement of Glasgow State Nursing Facility	Complete 5/2013
Western State Hospital - Electrical System Upgrade - Design	Design/Phase B
Western State Hospital - Sprinkler System/Ward Renovation	Complete 9/2013
Department of Veterans Affairs	
Construct Fourth State Veterans Nursing Home	Construction
New State Veterans Cemetery - Southeast Kentucky	Design/Phase A
Western Kentucky Veterans Center - Alzheimer's/General Care Unit	Complete 7/2012
Energy and Environment Cabinet/Environmental Protection	
Maxey Flats Cap	Design/Phase A
Finance and Administration Cabinet/Facilities and Support Services	
Capital Plaza Complex Renovation and Design	Design/Phase B
Council of State Governments Building Complex	Design/Phase C
Kentucky State Capitol - Historic Renovation (Design)	Design/Phase C
Spindletop Renovation for Advanced Battery Research	Complete 2/2012
Justice and Public Safety Cabinet/Corrections	
Kentucky State Reformatory Renovate, Upgrade, Replace	Complete 6/2013
Northpoint Training Center - Rebuild from Fire	Complete 5/2012
West Kentucky Correctional Complex - Renovate Two Dorms	In Construction
Justice and Public Safety Cabinet/Kentucky State Police	
Demolition and Construction of Training Academy Building	Revising/Rebidding
Tourism, Arts and Heritage Cabinet/Parks	
Big Bone - Park Improvement (2006 - 2008 Parks Development Pool)	Complete 2/2012
Pennyrile - Golf Course Renovation	Complete 9/2013
Upgrade Wastewater System - Fort Boonesborough	Planning
Tourism, Arts and Heritage Cabinet/State Fair Board	
Upgrade HVAC Systems	Complete 2/2012

Agency/Project	Project Status
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Postsecondary Education

Eastern Kentucky University

Construct Business and Technology Center Phase II	Complete 1/2012
Construct Science Building.....	Complete 6/2012

Kentucky Community and Technical College System

Design Madisonville Postsecondary Education Center	Design/Phase B
Design Advanced Manufacturing Center - Bluegrass CTC.....	In Construction
LLC Classroom/Lab Building - Addition	In Construction

University of Kentucky

Renovate/Expand the Center for Applied Energy Research.....	Complete 4/2012
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Agency/Project	Project Status
Judicial Branch	
Adair County.....	Completed 2/2010
Allen County.....	Completed 9/2012
Boyd County.....	Completed 6/2009
Bracken County.....	Completed 6/2013
Breckinridge County.....	Completed 4/2012
Campbell County.....	Completed 6/2012
Carlisle County.....	Completed 4/2011
Fleming County.....	Completed 1/2012
Franklin County.....	In Construction (90%)
Gallatin County.....	Completed 4/2008
Garrard County.....	Completed 1/2012
Grant County.....	Completed 2/2010
Grayson County.....	Completed 5/2009
Green County.....	Completed 3/2010
Hancock County.....	Completed 7/2011
Hart County.....	Completed 10/2008
Hopkins County.....	Completed 4/2012
Jackson County.....	Completed 2/2010
Laurel County.....	Completed 5/2010
Lawrence County.....	In Construction (80%)
Livingston County.....	Completed 12/2008
Logan County.....	Completed 2/2010
Marion County.....	Completed 7/2011
Mercer County.....	Completed 3/2012
Monroe County.....	Completed 6/2011
Morgan County.....	In Construction (75%)
Owen County.....	Completed 8/2012
Pendleton County.....	Completed 3/2010
Pike County.....	Completed 8/2013
Pulaski County.....	Completed 9/2010
Robertson County.....	Completed 6/2009
Rowan County.....	Completed 5/2011
Russell County.....	Completed 7/2011
Shelby County.....	Completed 12/2011
Taylor County.....	Completed 10/2009
Todd County.....	Completed 8/2012
Trigg County.....	Completed 8/2009
Washington County.....	Completed 1/2009
Whitley County.....	Completed 10/2011
Wolfe County.....	Completed 6/2012

Comprehensive List Of Proposed Projects



**2014–2020
Statewide Capital Improvements Plan**

Comprehensive List Of Proposed Projects (2014–2016, 2016–2018, 2018–2020)

Following are lists of all capital construction projects, capital equipment, and information technology items and systems proposed for 2014–2016, 2016–2018, and 2018–2020 submitted by the agencies and postsecondary institutions to the Capital Planning Advisory Board as of August 5, 2013, which was the deadline for amendments to the 2014–2020 capital plans.

There are four sets of project lists:

- **Projects Involving the General Fund (Cash/Bonds):** Projects are listed in priority order for 2014–2016 and in alphabetical order for 2016–2018 and 2018–2020.
- **Projects Involving the Road Fund:** Projects are listed in priority order for 2014–2016 and in alphabetical order for 2016–2018 and 2018–2020.
- **Projects Involving Agency Bonds:** Projects are listed in priority order for 2014–2016 and in alphabetical order for 2016–2018 and 2018–2020.
- **Projects Not Involving the General Fund, Road Fund, or Agency Bonds:** Projects are listed alphabetically for each biennium.

Where applicable, both cabinet and agency priority rankings are shown.

Project Type Codes

C-O	Construction-Other - Projects costing \$600,000 or more to create new space or expand existing space.
C-PI	Construction-Protect Investment in Plant - Projects costing \$600,000 or more to preserve or extend the useful life of an existing facility (maintenance/renovation) or to address life/safety issues or government mandates.
GL	Grants/Loans - State-administered programs included in the capital budget that provide financial assistance to nonstate agencies or entities such as economic and community development grant and loan projects, water and wastewater projects, school facilities, and flood control projects.
IT	Information Technology system - Related computer or telecommunications components, with a total cost of \$600,000 or more, to provide a functional system for a specific business purpose and containing one or more of the following: hardware, software, professional services, or digital data products.
EQ	Equipment - Items costing \$200,000 or more.

Fund Source Codes

AB	Agency Bonds
FF	Federal Funds
GF	General Fund (cash/bonds)
LB	Local Bonds (court projects, with state-funded use allowance payments)
OT-LTF	Other, Long-Term Financing (not involving state or agency bonds)
OT-P	Other, Private (cash)
RF	Restricted Funds
TF	Road Fund

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Department For Local Government

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	Flood Control Matching Fund	GL	6,000,000	6,000,000	
2	Renaissance on Main	GL	5,000,000	5,000,000	
3	Community Enhancement Funds	GL	3,000,000	3,000,000	
	2014-2016 Total		14,000,000	14,000,000	
2016-2018					
	Community Enhancement Funds	GL	3,000,000	3,000,000	
	Flood Control Matching Fund	GL	6,000,000	6,000,000	
	Renaissance on Main	GL	5,000,000	5,000,000	
	2016-2018 Total		14,000,000	14,000,000	
2018-2020					
	Community Enhancement Funds	GL	3,000,000	3,000,000	
	Flood Control Matching Fund	GL	6,000,000	6,000,000	
	Renaissance on Main	GL	5,000,000	5,000,000	
	2018-2020 Total		14,000,000	14,000,000	
	Grand Total		42,000,000	42,000,000	

Department Of Agriculture

Projects NOT Involving The General Fund (Cash/Bonds)

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2016-2018					
		Large Scale Test Truck Replace 02 Kenworth	EQ	205,000	205,000 RF
		2016-2018 Total		205,000	205,000 RF
		Grand Total		205,000	205,000

Department Of Education

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Miscellaneous Maintenance Pool KDE	C-PI	3,000,000	3,000,000
2		HVAC System Upgrades	C-PI	3,500,000	3,500,000
3		Instructional Device Replacement KDE	EQ	50,000,000	50,000,000
4		Next Generation SEEK	IT	1,760,000	1,760,000
5		Kerr Hall Addition	C-O	6,720,000	6,720,000
6		Richie Building Masonry Repairs KSB	C-O	384,000	384,000
2014-2016 Total				65,364,000	65,364,000
2016-2018					
		Instructional Device Replacement Phase II KDE	EQ	50,000,000	50,000,000
		Miscellaneous Maintenance Pool KDE	C-PI	3,000,000	3,000,000
2016-2018 Total				53,000,000	53,000,000
2018-2020					
		Miscellaneous Maintenance Pool KDE	C-PI	3,000,000	3,000,000
2018-2020 Total				3,000,000	3,000,000
Grand Total				121,364,000	121,364,000

Explanation Of Acronyms

HVAC	Heating, Ventilation, and Air Conditioning
KDE	Kentucky Department of Education
KSB	Kentucky School for the Blind
SEEK	Support Education Excellence in Kentucky

Note: The Department of Education is not included in the prioritized listing submitted by the Education and Workforce Development Cabinet.

Department Of Military Affairs

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1			Armory Installation Facility Maintenance Pool	C-PI	7,720,000	7,720,000	
2			Construct Records Holding Building Frankfort	C-O	1,200,000	300,000	900,000 FF
2014-2016 Total					8,920,000	8,020,000	900,000
2016-2018							
			Armory Installation Facility Maintenance Pool	C-PI	9,720,000	9,720,000	
2016-2018 Total					9,720,000	9,720,000	
2018-2020							
			Armory Installation Facility Maintenance Pool	C-PI	11,720,000	11,720,000	
			Construct 500 Seat Auditorium BNGC	C-O	2,500,000	625,000	1,875,000 FF
			Construct Armed Forces Ready Center Madisonville	C-O	7,500,000	1,875,000	5,625,000 FF
			Construct Armory Readiness Center Ashland	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Barbourville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Bardstown	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Benton	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Buechel	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Campbellsville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Carlisle	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Carrollton	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Central City	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Cynthiana	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Danville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Elizabethtown	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Frankfort	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Glasgow	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Harlan	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Harrodsburg	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Hazard	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Henderson	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Jackson	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Lexington	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center London	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Louisville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Marion	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Maysville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Middlesboro	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Monticello	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Murray	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Olive Hill	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Prestonsburg	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Ravenna	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Russellville	C-O	12,000,000	3,000,000	9,000,000 FF
			Construct Armory Readiness Center Springfield	C-O	12,000,000	3,000,000	9,000,000 FF

Department Of Military Affairs (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority#</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>	
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>	
		Construct Armory Readiness Center Tompkinsville	12,000,000	3,000,000	9,000,000	FF
		Construct Armory Readiness Center Walton	12,000,000	3,000,000	9,000,000	FF
		Construct Armory Readiness Center Williamsburg	12,000,000	3,000,000	9,000,000	FF
		Construct Army Reserve Center Hopkinsville	7,500,000	1,875,000	5,625,000	FF
		Construct Field Maintenance Shop Glasgow/Bowling Green	12,000,000	1,000,000	11,000,000	FF
		Construct Physical Fitness Center BNGC	1,000,000	250,000	750,000	FF
		2018-2020 Total	470,220,000	124,345,000	345,875,000	
		Grand Total	488,860,000	142,085,000	346,775,000	

Projects Involving Agency Bonds

2014-2016

1	Upgrade BGS Northern Area Infrastructure	C-PI	5,000,000		5,000,000	AB
	2014-2016 Total		5,000,000		5,000,000	

2016-2018

	Renovate Infrastructure Bluegrass Station Phase II	C-PI	10,300,000		10,300,000	AB
	2016-2018 Total		10,300,000		10,300,000	

2018-2020

	Construct Railroad Network Bluegrass Station	C-O	4,000,000		4,000,000	AB
	Renovate Infrastructure Bluegrass Station Phase III	C-PI	10,000,000		10,000,000	AB
	2018-2020 Total		14,000,000		14,000,000	

Grand Total			29,300,000		29,300,000	
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Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

2014-2016

	Bluegrass Station Facility Maintenance Pool	C-PI	2,000,000		2,000,000	RF
	Construct Armory 4 Addition for Military Band	C-PI	1,201,000		1,201,000	RF/FF
	Construct Armory Addition Brandenburg	C-O	1,201,000		1,201,000	RF/FF
	Construct Armory Addition Leitchfield	C-O	1,201,000		1,201,000	RF/FF
	Construct Armory Addition Shelbyville	C-O	1,201,000		1,201,000	RF/FF
	Construct Building 102 Bluegrass Station	C-O	10,000,000		10,000,000	OT-LTF
	Construct Building 196 Bluegrass Station	C-O	6,600,000		6,600,000	OT-LTF
	Construct Building 197 Bluegrass Station	C-O	5,750,000		5,750,000	OT-LTF
	Construct Building 198 Bluegrass Station	C-PI	5,850,000		5,850,000	OT-LTF
	Construct Building 222 Bluegrass Station	C-PI	10,970,000		10,970,000	OT-LTF
	Construct Building 341 Bluegrass Station	C-PI	6,000,000		6,000,000	OT-LTF
	Construct Building 342 Bluegrass Station	C-PI	7,000,000		7,000,000	OT-LTF
	Construct Building 344 Bluegrass Station	C-PI	910,000		910,000	OT-LTF
	Construct Central Plant WHFRTC	C-PI	8,000,000		8,000,000	FF
	Construct CERF-P Building Phase II	C-PI	950,000		950,000	FF
	Construct Contingency Lot Bluegrass Station	C-PI	710,000		710,000	FF

Department Of Military Affairs (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Construct Facility for Asphalt Unit at WHFRTC	C-O	1,000,000		FF
	Construct Facility for NGB Public Affairs Unit	C-PI	1,201,000		RF/FF
	Construct Field Maintenance Shop 1 Conversion	C-PI	3,300,000		FF
	Construct Field Maintenance Shop 8 Conversion	C-PI	3,300,000		FF
	Construct Front Access Control Point BNGC	C-PI	1,100,000		RF/FF
	Construct Joint Forces Headquarters Phase I BNGC	C-PI	16,000,000		FF
	Construct MEDCOM Building Phase II	C-PI	2,751,000		RF/FF
	Construct Multi-Purpose Machine Gun Range WHFRTC	C-PI	7,700,000		FF
	Construct New Access Road Bluegrass Station	C-PI	1,000,000		RF
	Construct Parking Improvements Bluegrass Station	C-PI	2,200,000		RF
	Construct Parts Warehouse Bluegrass Station	C-O	1,800,000		OT-LTF
	Construct Qualification Training Range WHFRTC	C-O	6,515,000		FF
	Construct Replacement HRO Building Frankfort	C-O	2,100,000		RF/FF
	Construct Response Group Building KyANG Phase I	C-O	7,200,000		FF
	Construct Road Improvements Bluegrass Station	C-PI	5,000,000		RF
	Construct Sprinkler Upgrades Bluegrass Station	C-PI	1,500,000		RF
	Construct Structural Repairs Harrodsburg Armory	C-PI	660,000		RF/FF
	Construct Structural Repairs Walton Armory	C-PI	660,000		RF/FF
	Construct Support Building WHFRTC	C-PI	1,000,000		FF
	Construct Unit Training Equipment Site WHFRTC	C-PI	12,000,000		FF
	Demolish Obsolete Structures Bluegrass Station	C-O	1,000,000		RF
	Enhance Fencing Infrastructure Bluegrass Station	C-PI	1,000,000		FF
	Expand Vehicle Storage Bay WMD Building Louisville	C-O	1,250,000		FF
	Extension of Utilities WHFRTC	C-PI	1,650,000		FF
	Install Power Generators WHFRTC	C-PI	2,000,000		FF
	Install Solar Energy Photovoltaic Panels	C-PI	4,311,000		RF/FF
	Install Solar Panels Boone Center Facilities	C-PI	1,651,000		RF/FF
	Perform Statewide ESPC Project Phase I	C-PI	6,000,000		OT-LTF
	Renovation of Butler Building Property Phase II	C-O	2,000,000		RF
	Replace HVAC System EOC Building Boone Center	C-PI	2,000,000		RF/FF
	2014-2016 Total		170,393,000		170,393,000

Department Of Military Affairs (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	Bluegrass Station Facility Maintenance Pool	C-PI	2,000,000		RF
	Construct Aircraft Modify Building Bluegrass Station	C-O	7,000,000		OT-LTF
	Construct CERF-P Building Phase III	C-PI	950,000		FF
	Construct DLA Warehouse Bluegrass Station	C-O	15,000,000		OT-LTF
	Construct Exchange Facility Bluegrass Station	C-O	800,000		OT-LTF
	Construct Fire Station Bluegrass Station	C-O	2,500,000		RF
	Construct Joint Forces Headquarters Phase II BNGC	C-O	16,500,000		FF
	Construct Joint Mail Operations Center at BNGC	C-PI	1,650,000		RF/FF
	Construct Response Group Building KyANG Phase II	C-O	11,200,000		FF
	Construct Warehouse Bluegrass Station	C-O	10,000,000		OT-LTF
	Demolish Combined Support Maintenance Building	C-PI	1,100,000		FF
	Perform Statewide ESPC Project Phase II	C-PI	2,000,000		OT-LTF
	Renovate Old AASF for CSMS Building BNGC	C-O	11,000,000		FF
	2016-2018 Total		817,000,000		817,000,000
2018-2020					
	Add Vulnerability Mitigation Bluegrass Station	C-PI	5,000,000		RF
	Bluegrass Station Facility Maintenance Pool	C-PI	2,000,000		RF
	Construct Armed Forces Ready Center Bowling Green	C-O	7,500,000		FF
	Construct Armed Forces Ready Center Somerset	C-O	14,000,000		FF
	Construct Armory Joint Forces Readiness Fort Knox	C-O	7,020,000		FF
	Construct Armory Readiness Center Pikeville	C-O	12,000,000		FF
	Construct Combined Support Maintenance Shop Frankfort	C-O	15,000,000		FF
	Construct Environmental and Recycle Building BNGC	C-PI	3,000,000		RF/FF
	Construct Field Maintenance Shop Ashland	C-O	6,000,000		FF
	Construct Field Maintenance Shop Louisville	C-O	6,000,000		FF
	Construct Fire House Expansion KyANG Louisville	C-O	2,000,000		FF
	Construct Green Projects Bluegrass Station	C-PI	1,000,000		RF
	Construct Joint Forces Headquarters Phase III BNGC	C-O	13,200,000		FF
	Construct National Guard Monument BNGC Frankfort	C-O	1,328,000		OT-P
	Construct Phase IX WHFRTC	C-O	9,720,000		FF
	Construct Phase VII WHFRTC	C-O	20,000,000		FF
	Construct Phase VIII WHFRTC	C-O	9,720,000		FF
	Construct Training Center Bluegrass Station	C-O	15,000,000		OT-LTF
	Construct USPFO Building Frankfort	C-O	20,000,000		FF
	Modification to Military Airfield Runway WHFRTC	C-O	15,000,000		FF
	Operational Reserve Training Center WHFRTC	C-PI	42,000,000		FF
	Perform Statewide ESPC Project Phase III	C-PI	2,000,000		OT-LTF
	Repurpose Central Steam Plant Bluegrass Station	C-PI	700,000		RF
	2018-2020 Total		229,188,000		229,188,000
	Grand Total		1,216,581,000		1,216,581,000

Department Of Military Affairs (continued)

Explanation Of Acronyms

AASF	Army Aviation Support Facility
BGS	Bluegrass Station
BNGC	Boone National Guard Center
CERF-P	Chemical Enhanced Response Force Package
CSMS	Consolidated Support Maintenance Shop
DLA	Defense Logistics Agency
ESPC	Energy Savings Performance Contract
HRO	Human Resources Office
KyANG	Kentucky Air National Guard
MEDCOM	Medical Command
NGB	National Guard Bureau
USPFO	United States Property and Fiscal Office
WHFRTC	Wendell H. Ford Regional Training Center
WMD	Weapons of Mass Destruction

Department Of Veterans Affairs

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
2014-2016							
1			Construct Fourth State Veterans Nursing Home	C-O	35,500,000	16,000,000	19,500,000 FF
2			Thomson-Hood Veterans Center 2 Unit Renovation	C-PI	6,740,000	2,359,000	4,381,000 FF
2014-2016 Total					42,240,000	18,359,000	23,881,000
2016-2018							
			Renovate 1 Wing at EKVC and 1 Wing at WKVC	C-PI	8,182,000	2,864,000	5,318,000 FF
			THVC Jefferson Wing Renovation	C-PI	4,253,000	1,489,000	2,764,000 FF
2016-2018 Total					12,435,000	4,353,000	8,082,000
2018-2020							
			THVC Roof and Gutter Replacement	C-PI	984,000	345,000	639,000 FF
2018-2020 Total					984,000	345,000	639,000
Grand Total					55,659,000	23,057,000	32,602,000

Explanation Of Acronyms

EKVC Eastern Kentucky Veterans Center
THVC Thomson-Hood Veterans Center
WKVC Western Kentucky Veterans Center

Kentucky Higher Education Assistance Authority

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2018-2020					
	Mobile Outreach Vehicle	EQ	400,000		400,000 RF
	2018-2020		400,000		400,000
	Grand Total		400,000		400,000

Kentucky Infrastructure Authority

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>	
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>	
2014-2016						
1		KIA Fund F Drinking Water Revolving Loan Program	56,094,000	5,182,000	50,912,000	FF/AB
2		KIA Fund A Federally Assisted Wastewater Program	143,168,000	7,194,000	135,974,000	FF/AB
3		KIA Fund B Infrastructure Revolving Fund	100,000,000	100,000,000		
2014-2016 Total			299,262,000	112,376,000	186,886,000	
2016-2018						
		KIA Fund A Federally Assisted Wastewater Program	143,168,000	7,194,000	135,974,000	FF/AB
		KIA Fund B Infrastructure Revolving Fund	50,000,000	50,000,000		
		KIA Fund F Drinking Water Revolving Loan Program	56,094,000	5,182,000	50,912,000	FF/AB
2016-2018 Total			249,262,000	62,376,000	186,886,000	
2018-2020						
		KIA Fund A Federally Assisted Wastewater Program	143,168,000	7,194,000	135,974,000	FF/AB
		KIA Fund B Infrastructure Revolving Fund	50,000,000	50,000,000		
		KIA Fund F Drinking Water Revolving Loan Program	56,094,000	5,182,000	50,912,000	FF/AB
2018-2020 Total			249,262,000	62,376,000	186,886,000	
Grand Total			797,786,000	237,128,000	560,658,000	

Kentucky Lottery Corporation

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Data Processing, Telecomm, and Related Equipment	IT	6,000,000		6,000,000 OT-P
	iSeries System Upgrades	IT	1,400,000		1,400,000 OT-P
	Replacement of End-User Hardware	EQ	150,000		150,000 OT-P
	Replacement of System Infrastructure	IT	750,000		750,000 OT-P
	2014-2016 Total		8,300,000		8,300,000
2016-2018					
	Data Processing, Telecomm, and Related Equipment	IT	6,000,000		6,000,000 OT-P
	Replacement of End-User Hardware	EQ	250,000		250,000 OT-P
	Replacement of System Infrastructure	IT	400,000		400,000 OT-P
	2016-2018 Total		7,050,000		7,050,000
2018-2020					
	Data Processing, Telecomm, and Related Equipment	IT	6,000,000		6,000,000 OT-P
	iSeries System Upgrades	IT	1,100,000		1,100,000 OT-P
	Replacement of End-User Hardware	EQ	150,000		150,000 OT-P
	Replacement of System Infrastructure	IT	700,000		7700,000 OT-P
	2018-2020 Total		7,950,000		7,950,000
	Grand Total		23,300,000		23,300,000

Kentucky Retirement Systems

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
		KRS Line of Business Project	2,700,000		2,700,000 RF
		2014-2016 Total	2,700,000		2,700,000
		Grand Total	2,700,000		2,700,000

Explanation Of Acronyms

KRS Kentucky Retirement Systems

Kentucky River Authority						
Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds						
<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u> <u>Other Funds/ Source(s)</u>
2014-2016						
			Design Dam 10	C-PI	2,200,000	2,200,000 RF
			2014-2016		2,200,000	2,200,000
			Grand Total		6,710,000	2,610,000 4,100,000
Projects Involving Agency Bonds						
2014-2016						
1			Construct Dam 8	C-PI	14,800,000	14,800,000 AB
2			Renovate Lock 1 and Lock 2	C-PI	4,560,000	4,560,000 AB
			2014-2016 Total		19,360,000	19,360,000
2016-2018						
			Construct Dam 10	C-O	21,000,000	21,000,000 AB
			Repair Dam 6	C-PI	2,299,000	2,299,000 AB
			Repair Dam 12	C-PI	3,400,000	3,400,000 AB
			Repair Dam 13	C-PI	3,928,000	3,928,000 AB
			2016-2018 Total		30,627,000	30,627,000
2018-2020						
			Repair Dam 7	C-PI	3,081,000	3,081,000 AB
			Repair Dams 4 and 5	C-PI	947,000	947,000 AB
			Repair Dams 11 and 14	C-PI	3,102,000	3,102,000 AB
			2018-2020 Total		7,130,000	7,130,000
			Grand Total		57,117,000	57,117,000

Kentucky Teachers' Retirement System

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
		KTRS Pension Management System	IT	600,000		600,000 RF
		KTRS Pension Management System II	IT	11,442,000		11,442,000 RF
		2014-2016 Total		12,042,000		12,042,000
2016-2018						
		KTRS Pension Management System II	IT	5,000,000		5,000,000 RF
		2016-2018 Total		5,000,000		5,000,000
2018-2020						
		KTRS Office Building	C-PI	3,150,000		3,150,000 RF
		2018-2020 Total		3,150,000		3,150,000
		Grand Total		20,192,000		20,192,000

Explanation Of Acronyms

KTRS Kentucky Teachers' Retirement System

Note: The Kentucky Teachers' Retirement System is not included in the prioritized listing submitted by the Education and Workforce Development Cabinet.

School Facilities Construction Commission

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
1		SFCC Bonding Continued 2016	GL	100,000,000	100,000,000	
2		SFCC Targeted Funding 2016	GL	75,000,000	75,000,000	
		2014-2016		175,000,000	175,000,000	
2016-2018						
		SFCC Bonding Continued 2018	GL	150,000,000	150,000,000	
		SFCC Targeted Funding 2018	GL	100,000,000	100,000,000	
		2016-2018 Total		250,000,000	250,000,000	
2018-2020						
		SFCC Bonding Continued 2020	GL	150,000,000	150,000,000	
		SFCC Targeted Funding 2020	GL	100,000,000	100,000,000	
		2018-2020 Total		250,000,000	250,000,000	
		Grand Total		675,000,000	675,000,000	

Explanation Of Acronyms

SFCC School Facilities Construction Commission

Note: The School Facilities Construction Commission is not included in the prioritized listing submitted by the Finance and Administration Cabinet.

State Treasurer

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
		2 Xerox Check Printers and 2 Fold Sealers	EQ	326,000	326,000	
		2014-2016 Total		326,000	326,000	
		Grand Total		326,000	326,000	

Cabinet For Health And Family Services

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1	1		GAPS Maintenance Pool	C-PI	13,850,000	13,850,000	
2	1		DCBS Eligibility Systems Integration Services	IT	80,000,000	14,000,000	66,000,000 FF
3	2		DPH Budget, Accounting, and Reporting System	IT	3,600,000	3,600,000	
4	2		GAPS Child Support System (KASES III)	IT	85,076,000	28,926,000	56,150,000 FF
5	3		DPH Radiation Monitoring Equipment	IT	2,486,000	2,486,000	
6	3		GAPS Energy Management and CEMCS Support	C-PI	1,000,000	1,000,000	
7	4		GAPS DAIL System Modernization	IT	1,350,000	1,350,000	
8	1		DPH Laboratory Newborn Screening Equipment	EQ	1,040,000	1,040,000	
9	5		DPH Vital Statistics Phase I Digitized System	IT	6,000,000	6,000,000	
10	4		DPH Laboratory Equipment	EQ	1,336,000	1,336,000	
11	5		DBHDID Upgrade Electrical and Emergency Power WSH	C-PI	11,325,000	11,325,000	
12	3		DBHDID Upgrade/Renovate WSNF	C-PI	5,853,300	5,853,300	
13	1		DBHDID Construct 4 Three-Bed Homes Pilot Central	C-O	4,100,000	4,100,000	
14	2		DBHDID Community Based Psychiatric Facility Western Region	C-O	63,000,000	63,000,000	
15	4		DBHDID Renovate/Replace Cottages Oakwood	C-PI	14,500,000	14,500,000	
16	6		DBHDID HVAC System Replacement Hazelwood	C-PI	8,000,000	8,000,000	
17	6		DPH Upgrade Local and District Health Department Infrastructure	C-O	10,100,000	10,100,000	
2014-2016 Total					312,616,300	312,616,300	122,150,000
2016-2018							
			DBHDID HVAC Piping WSH	C-PI	8,000,000	8,000,000	
			DBHDID Renovate 3 Resident Units Hazelwood ICF	C-PI	4,250,000	4,250,000	
			DBHDID Renovate or Replace Cottages Oakwood	C-PI	15,500,000	15,500,000	
			DBHDID Replace Upgrade Enhance Generators Oakwood	C-PI	1,825,000	1,825,000	
			DBHDID Replace Cottages Roofs Oakwood ICF/MR	C-PI	4,975,000	4,975,000	
			DBHDID Replace Water Lines Oakwood	C-PI	3,000,000	3,000,000	
			DPH Construct Vital Statistics Service Center & Vault	C-O	5,550,000	5,550,000	
			DPH Vital Phase II Scan & Image Historical Records	IT	7,100,000	7,100,000	
			GAPS CHFS Energy Management and CEMCS Support	C-PI	1,000,000	1,000,000	
			GAPS Maintenance Pool	C-PI	7,620,000	7,620,000	
2016-2018 Total					58,820,000	58,820,000	
2018-2020							
			DBHDID Construct Forensic Hospital Complex KCPC	C-O	27,736,000	27,736,000	
			DBHDID IT & Tele Infrastructure Replacement WSH	C-PI	1,250,000	1,250,000	
			DBHDID Renovate or Replace Cottages Oakwood ICF	C-PI	16,500,000	16,500,000	
			DBHDID Replace Windows and Doors multiple buildings WSH	C-PI	3,000,000	3,000,000	
			DBHDID Upgrade Mechanical Lines WSH	C-PI	2,251,000	2,251,000	
			DPH Vital Phase III Web-Based Marriage Divorce System	IT	1,000,000	1,000,000	
			GAPS Energy Management and CEMCS Support	C-PI	1,000,000	1,000,000	
			GAPS Maintenance Pool	C-PI	4,384,000	4,384,000	
2018-2020 Total					57,121,000	57,121,000	
Grand Total					428,557,300	428,557,300	122,150,000

Cabinet For Health And Family Services (continued)

Explanation Of Acronyms

CEMCS	Commonwealth Energy Management And Control System
CHFS	Cabinet For Health And Family Services
DAIL	Department For Aging And Independent Living
DBHDID	Department Of Behavioral Health Developmental And Intellectual Disabilities
DCBS	Department For Community Based Services
DPH	Department Of Public Health
GAPS	General Administration And Program Support
HVAC	Heating, Ventilation, And Air Conditioning
ICF	Intermediate Care Facility
ICF/MR	Intermediate Care Facility For Mental Retardation
KASES	Kentucky Automated Support And Enforcement System
KCPC	Kentucky Correctional Psychiatric Center
WSH	Western State Hospital
WSNF	Western State Nursing Facility

Economic Development Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	High-Tech Construct/Investment Pools	GL	10,000,000	10,000,000	
2	Economic Development Bond Program	GL	10,000,000	10,000,000	
3	KY Economic Development Finance Authority Bond	GL	10,000,000	10,000,000	
2014-2016 Total			30,000,000	30,000,000	
2016-2018					
	Economic Development Bond Program	GL	10,000,000	10,000,000	
	High-Tech Construct/Investment Pools	GL	10,000,000	10,000,000	
	KY Economic Development Finance Authority Bond	GL	10,000,000	10,000,000	
2016-2018 Total			30,000,000	30,000,000	
2018-2020					
	Economic Development Bond Program	GL	10,000,000	10,000,000	
	High-Tech Construct/Investment Pools	GL	10,000,000	10,000,000	
	KY Economic Development Finance Authority Bond	GL	10,000,000	10,000,000	
2018-2020 Total			30,000,000	30,000,000	
Grand Total			90,000,000	90,000,000	

Education And Workforce Development Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1	1		GAPS Enterprise Case Management System	IT	12,000,000	12,000,000	
2	2		GAPS Miscellaneous Maintenance Pool 2014 Education Cabinet	C-PI	6,381,000	5,396,000	985,000 FF
3	2		KET Digital Conversion Phase III	IT	2,000,000	2,000,000	
4	1		KDLA Expand the Libraries and Archives Building	C-O	12,413,000	12,413,000	
5	2		KET Digital Infrastructure Maintenance Pool	IT	1,000,000	1,000,000	
6	1		KET Facility Maintenance Pool	C-PI	600,000	600,000	
7	1		KDLA Information System Infrastructure	IT	715,150	715,150	
2014-2016 Total					35,109,150	34,124,150	985,000
2016-2018							
			KET Digital Infrastructure Maintenance Pool	IT	1,000,000	1,000,000	
			KET Digital Transmitter/Microwave Radio Replacement	EQ	7,600,000	7,600,000	
			KET Facility Maintenance Pool	C-PI	600,000	600,000	
			GAPS Enterprise Case Management System Phase II - IV	IT	31,000,000	31,000,000	
2016-2018 Total					40,200,000	40,200,000	
2018-2020							
			KET Digital Conversion Phase IV	IT	3,500,000	3,500,000	
			KET Digital Infrastructure Maintenance Pool	IT	600,000	600,000	
			KET Facility Maintenance Pool	C-PI	600,000	600,000	
			GAPS Enterprise Case Management System Phase V - VI	IT	4,000,000	4,000,000	
2018-2020 Total					8,700,000	8,700,000	
Grand Total					84,009,150	83,024,150	985,000

Explanation Of Acronyms

GAPS	General Administration And Program Support
KDLA	Kentucky Department For Libraries And Archives
KET	Kentucky Educational Television

Energy And Environment Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
2014-2016							
1	1		SEC Building Construction	C-O	98,345,000	98,345,000	
2	1		DEP State-Owned Dam Repair	C-O	600,000	600,000	
3	1		PSC Engineering Standards Laboratory	EQ	300,000	300,000	
4	2		SEC Maintenance Pool for Cabinet-Owned Facilities	C-PI	394,000	394,000	
5	2		DNR Wildland Fire Equipment Replacement Schedule	EQ	3,000,000	3,000,000	
6	2		DEP TEMPO System Upgrade	IT	735,000	735,000	
7	3		DNR Replenish Soils at John Rhody and Morgan County Nursery	C-PI	800,000	800,000	
8	1		DNR 2-Way Radio System Upgrade	EQ	1,100,000	1,100,000	
2014-2016 Total					105,274,000	105,274,000	
2016-2018							
			DEP State-Owned Dam Repair	C-O	200,000	200,000	
			DNR Wildland Fire Equipment Replacement Schedule	EQ	3,000,000	3,000,000	
			SEC Maintenance Pool for Cabinet-Owned Facilities	C-PI	400,000	400,000	
2016-2018 Total					3,600,000	3,600,000	
2018-2020							
			DEP State-Owned Dam Repair	C-O	500,000	500,000	
			DNR Wildland Fire Equipment Replacement Schedule	EQ	3,000,000	3,000,000	
			SEC Maintenance Pool for Cabinet-Owned Facilities	C-PI	400,000	400,000	
2018-2020 Total					3,900,000	3,900,000	
Grand Total					112,774,000	112,774,000	

Energy And Environment Cabinet (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
		SEC Kentucky Heritage Land Conservation Fund (Add'l)	C-O	20,000,000	20,000,000 RF/FF
		2014-2016 Total		20,000,000	20,000,000
2016-2018					
		SEC Kentucky Heritage Land Conservation Fund (Add'l)	C-O	20,000,000	20,000,000 RF/FF
		2016-2018 Total		20,000,000	20,000,000
2018-2020					
		SEC Kentucky Heritage Land Conservation Fund (Add'l)	C-O	20,000,000	20,000,000 RF/FF
		2018-2020 Total		20,000,000	20,000,000
		Grand Total		60,000,000	60,000,000

Explanation Of Acronyms

DEP	Department For Environmental Protection
DNR	Department Of Natural Resources
PSC	Public Service Commission
SEC	Office Of The Secretary
TEMPO	Tools For Environmental Management Programs And Organizations

Finance And Administration Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
2014-2016							
1	5		FSS Energy Management System Implementation	C-O	11,000,000	11,000,000	
2	1		ADM Kentucky Business One Stop Phase II	IT	7,243,000	7,243,000	
3	1		FSS Emergency Repair, Maintenance, and Replacement Fund	C-PI	12,500,000	12,500,000	
4	2		FSS Capital Construction and Equipment Purchase Contingency Fund	C-PI	12,500,000	12,500,000	
5	3		FSS Miscellaneous Maintenance Pool 2014-2016	C-PI	9,000,000	9,000,000	
6	4		FSS Upgrade Data Center Readiness	C-PI	5,000,000	5,000,000	
7	6		FSS Renewal of the Capital Plaza Complex	C-O	132,400,000	132,400,000	
8	9		FSS Repair Site Infrastructure Capital Plaza Complex	C-PI	2,500,000	2,500,000	
9	11		FSS Halon System Replacement	C-PI	1,500,000	1,500,000	
10	8		FSS Maintenance Pool Statewide Deferred	C-PI	12,500,000	12,500,000	
11	7		FSS Design/Construct Sower Boulevard Office Complex #1	C-O	99,600,000	99,600,000	
12	1		DOR Predictive Dialer Update	IT	2,300,000	2,300,000	
13	10		FSS Air Handler Replacement	C-PI	600,000	600,000	
14	12		FSS Upgrade L&N Building	C-PI	4,375,000	4,375,000	
15	13		FSS Acquire Land/Demolish Structures Statewide	C-PI	7,500,000	7,500,000	
16	14		FSS Replace VAV's at Central Lab	C-PI	2,800,000	2,800,000	
17	2		DOR MFE Scanner Replacement	EQ	1,500,000	1,500,000	
18	15		FSS Capitol and Capitol Annex Terrace Repairs	C-PI	2,518,000	2,518,000	
19	16		FSS Upgrade Capitol Campus	C-PI	4,500,000	4,500,000	
20	3		DOR Property Tax Systems Upgrade	IT	2,500,000	2,500,000	
21	17		FSS Emergency Generator Replacement	C-PI	600,000	600,000	
22	18		FSS Chiller Replacement/Rebuild Various	C-PI	1,000,000	1,000,000	
23	19		FSS Modernize Escalator and Miscellaneous Elevator Upgrades	C-PI	1,500,000	1,500,000	
24	20		FSS Renovate Old Capitol/Capitol Annex	C-PI	2,500,000	2,500,000	
25	21		FSS Deferred Maintenance for Historic Properties	C-PI	675,000	675,000	
26	22		FSS House and Senate Chambers Restoration	C-PI	2,915,000	2,915,000	
27	23		FSS Renovate 3rd Floor for Archival Space L&A	C-PI	620,000	620,000	
28	24		FSS Statewide Roof Repair/Replacement	C-PI	750,000	750,000	
29	25		FSS Statewide Parking Lot Improvement	C-PI	600,000	600,000	
2014-2016 Total					345,496,000	345,496,000	
2016-2018							
			ADM Kentucky Business One Stop Phase III	IT	4,350,000	4,350,000	
			COT Enterprise Identity and Access Management	IT	8,745,000	8,745,000	
			COT Kentucky IT Portfolio Planning System (KIPPS)	IT	3,520,000	3,520,000	
			FSS Acquire Land/Demolish Structures Statewide	C-PI	7,500,000	7,500,000	
			FSS Air Handler Replacement	C-PI	1,300,000	1,300,000	
			FSS Capital Construct and Equipment Purchase Contingency Fund	C-PI	12,500,000	12,500,000	
			FSS Chiller Replacement/Rebuild Various	C-PI	1,000,000	1,000,000	
			FSS Deferred Maintenance for Historic Properties	C-PI	675,000	675,000	
			FSS Design Capitol Annex Addition & Renovation	C-PI	4,265,000	4,265,000	
			FSS Design Completion of Capitol Restoration	C-PI	3,429,000	3,429,000	
			FSS Emergency Generator Repair and Replacement	C-PI	600,000	600,000	
			FSS Emergency Repair, Maintenance, and Replacement Fund	C-PI	12,500,000	12,500,000	
			FSS Energy Management System Implementation	C-O	13,000,000	13,000,000	

Finance And Administration Cabinet (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
	FSS Maintenance Pool 2016-2018	C-PI	9,000,000	9,000,000	
	FSS Maintenance Pool Statewide Deferred	C-PI	12,500,000	12,500,000	
	FSS Modernize Escalator and Miscellaneous Elevator Upgrades	C-PI	2,000,000	2,000,000	
	FSS Renewal of the Capital Plaza Complex	C-O	30,000,000	30,000,000	
	FSS Repair Site Infrastructure Capital Plaza Complex	C-PI	2,500,000	2,500,000	
	FSS Replace VAV's Frankfort Buildings	C-PI	2,800,000	2,800,000	
	FSS Statewide Parking Lot Improvements	C-PI	600,000	600,000	
	FSS Statewide Roof Repair/Replacement	C-PI	750,000	750,000	
	FSS Upgrade Capitol Campus	C-PI	5,500,000	5,500,000	
	2016-2018 Total		139,034,000	139,034,000	
2018-2020					
	FSS Acquire Land/Demolish Structures Statewide	C-PI	7,500,000	7,500,000	
	FSS Air Handler Replacement	C-PI	900,000	900,000	
	FSS Capital Construction and Equipment Purchase Contingency Fund	C-PI	12,500,000	12,500,000	
	FSS Chiller Replacement/Rebuild Various	C-PI	1,000,000	1,000,000	
	FSS Construct Capitol Annex Addition and Renovation	C-PI	92,170,000	92,170,000	
	FSS Construct Restoration/Renovation Capitol	C-PI	110,031,000	110,031,000	
	FSS Emergency Generator Repair and Replacement	C-PI	600,000	600,000	
	FSS Emergency Repair, Maintenance, and Replacement Fund	C-PI	12,500,000	12,500,000	
	FSS Energy Management System Implementation	C-O	12,000,000	12,000,000	
	FSS Maintenance Pool 2018-2020	C-PI	9,000,000	9,000,000	
	FSS Maintenance Pool Statewide Deferred	C-PI	12,500,000	12,500,000	
	FSS Modernize Escalator and Misc Elevator Upgrades	C-PI	2,000,000	2,000,000	
	FSS Repair Site Infrastructure Capital Plaza Complex	C-PI	2,500,000	2,500,000	
	FSS Statewide Parking Lot Improvements	C-PI	600,000	600,000	
	FSS Upgrade Capitol Campus	C-PI	4,000,000	4,000,000	
	2018-2020 Total		279,801,000	279,801,000	
	Grand Total		764,331,000	764,331,000	

Finance And Administration Cabinet (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	ADM Postal Equipment Purchase	EQ	2,000,000		RF
	COT Alternate Data Center Business Continuity	IT	4,700,000		RF
	FSS Guaranteed Energy Savings Performance Contracts	C-PI	50,000,000		OT-LTF
	2014-2016 Total		56,700,000		56,700,000
2016-2018					
	FSS Guaranteed Energy Savings Performance Contracts	C-PI	50,000,000		OT-LTF
	2016-2018 Total		50,000,000		50,000,000
2018-2020					
	COT Alternate Data Center Business Continuity	IT	4,700,000		RF
	FSS Guaranteed Energy Savings Performance Contracts	C-PI	50,000,000		OT-LTF
	2018-2020 Total		54,700,000		54,700,000
	Grand Total		161,400,000		161,400,000

Explanation Of Acronyms

ADM	Office Of Administrative Services
COT	Commonwealth Office Of Technology
DOR	Department Of Revenue
FSS	Department For Facilities And Support Services
L&N	Louisville And Nashville
VAV	Variable Air Volume Equipment

Justice And Public Safety Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
1	1	SEC Construct Medical Examiner Office/Jefferson Laboratory	C-O	22,629,000	22,629,000	
2	1	DSP Renovation of New Academy Buildings and Grounds	C-O	7,960,000	7,960,000	
3	1	DJJ Miscellaneous Maintenance Pool	C-PI	3,556,000	3,556,000	
4	1	DOC Stabilization of Dorm 8 Kentucky State Reformatory	C-PI	3,710,000	3,710,000	
5	1	DPA Main Office Relocation Expense	C-O	705,000	705,000	
6	2	DSP Replace/Upgrade Mobile Data Computers	IT	1,500,000	1,500,000	
7	2	DOC Repair and Stabilize Tower KSR	C-PI	2,902,000	2,902,000	
8	2	DJJ Construct Replacement Roofs	C-PI	1,062,000	1,062,000	
9	3	DSP Purchase GC/MS Gas Chromatography/Mass Spectrometer	EQ	1,500,000	1,500,000	
10	3	DOC Replace Sewer Plant and/or regional connect KCIW	C-PI	4,845,000	4,845,000	
11	5	DSP Aircraft Maintenance Pool	EQ	1,600,000	1,600,000	
12	5	DOC Miscellaneous Maintenance Pool 2014-2016	C-O	10,776,000	10,776,000	
13	3	DJJ Repurpose of Laurel Regional Juvenile Detention Center	C-PI	920,000	920,000	
14	4	DSP Miscellaneous Maintenance Pool	C-O	2,000,000	2,000,000	
15	4	DOC Renovate Food Service Building KSR	C-PI	7,483,000	7,483,000	
16	4	DJJ Upgrade HVAC and Interior Renovation Louisville DT	C-PI	1,198,900	1,198,900	
17	8	DSP Replacement of AFIS Livescan Equipment	IT	2,241,000	2,241,000	
18	7	DOC Install Emergency Generators LLCC, GRCC	EQ	7,373,000	7,373,000	
19	6	DSP Kentucky Interoperability Plan	IT	2,000,000	2,000,000	
20	7	DSP KYOPS Enhancement	IT	2,000,000	2,000,000	
21	6	DOC Replace/Repair Kitchen Equipment	EQ	1,000,000	1,000,000	
22	8	DOC Upgrade KY Offender Management System	IT	1,150,000	1,150,000	
23	5	DJJ Construct Secure Juvenile Detention Facility Juvenile Cntr	C-O	18,025,000	18,025,000	
24	9	DOC Upgrade the KY Department of Corrections Microsoft	IT	831,000	831,000	
25	9	DSP Purchase Liquid Chromatography Tandem Mass Spectrom	EQ	250,000	250,000	
26	26	SEC Medical Examiner's Office Fort Thomas	C-O	5,668,000	5,668,000	
27	10	DSP Purchase Trace Equipment (SEM,GC/MS & Comp Scope)	EQ	400,000	400,000	
28	11	DSP Information System Infrastructure Upgrade	IT	3,000,000	3,000,000	
29	12	DSP Construct a New Harlan State Police Post	C-O	4,496,000	4,496,000	
30	13	DSP Construct a New Richmond State Police Post	C-O	4,496,000	4,496,000	
31	14	DSP Construct a New Columbia State Police Post	C-O	4,496,000	4,496,000	
32	15	DSP Construct New Bowling Green Post	C-O	4,496,000	4,496,000	
33	16	DSP Construct a New Frankfort State Police Post	C-O	4,496,000	4,496,000	
34	17	DSP Construct New Ashland State Police Post and Lab	C-O	6,687,000	6,687,000	
35	18	DSP Construct Pikeville Post Addition	C-O	2,703,000	2,703,000	
36	19	DSP Computerized Criminal History Project	IT	670,000	670,000	
37	20	DSP Infrared/Day Camera and Microwave Downlink	EQ	421,000	421,000	
38	21	DSP Replace Transport Aircraft: King Air 200	EQ	5,500,000	5,500,000	
39	22	DSP Replacement of 1968 MD 369A/OH-6A Aircraft	EQ	2,000,000	2,000,000	
40	23	DSP Replacement of 1983 Bell 206L3	EQ	2,000,000	2,000,000	
2014-2016 Total				160,745,900	160,745,900	

Justice And Public Safety Cabinet (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	DJJ Construct Office Building KCH Campus	C-O	6,615,000	6,615,000	
	DJJ Construct 7 New Group Homes on DJJ Campuses	C-O	6,530,000	6,530,000	
	DJJ Construct New CLEP Facility	C-O	13,331,900	13,331,900	
	DJJ Miscellaneous Maintenance Pool	C-PI	1,200,000	1,200,000	
	DOC Building Envelope Repairs Dorms 3, 5, and 11 KSR	C-PI	4,766,000	4,766,000	
	DOC Construct 100 Med Sec Dorm/Raze Dorm 2 KSR	C-PI	9,724,000	9,724,000	
	DOC Miscellaneous Maintenance Pool 2016-2018	C-O	6,844,000	6,844,000	
	DOC Repair Water Towers NTC EKCC	C-PI	1,709,000	1,709,000	
	DOC Replace Perimeter Intrusion Detection System	C-O	8,280,000	8,280,000	
	DSP Aircraft Maintenance Pool	EQ	1,600,000	1,600,000	
	DSP Construct a New Northern Laboratory	C-O	3,339,000	3,339,000	
	DSP Information Systems Infrastructure Upgrade	IT	1,518,000	1,518,000	
	DSP Miscellaneous Maintenance Pool	C-O	2,000,000	2,000,000	
	DSP Replacement of 1968 MD 369A/OH-6A Helicopter	EQ	2,000,000	2,000,000	
	2016-2018 Total		69,456,900	69,456,900	
2018-2020					
	DJJ Miscellaneous Maintenance Pool	C-PI	3,556,000	3,556,000	
	DJJ Renovate Kitchen Lake Cumberland YDC	C-O	962,500	962,500	
	DJJ Upgrade Security Systems Facilities Statewide	C-PI	3,308,100	3,308,100	
	DOC Expand Elliott County Phase II Med. Sec.	C-O	59,646,000	59,646,000	
	DOC Miscellaneous Maintenance Pool 2018-2020	C-O	4,070,000	4,070,000	
	DOC Renovate Old Hospital Building NTC	C-O	22,283,000	22,283,000	
	DOC Replace Air Handlers at LLCC	C-PI	1,175,000	1,175,000	
	DOC Replace Roof Main Building EKCC	C-PI	5,400,000	5,400,000	
	DOC Replace Roof Recreational Building/Educational KCIW	C-PI	1,305,000	1,305,000	
	DSP Aircraft Maintenance Pool	EQ	1,600,000	1,600,000	
	DSP Construct Morehead Post Extension	C-O	624,000	624,000	
	DSP Miscellaneous Maintenance Pool	C-O	2,000,000	2,000,000	
	2018-2020 Total		105,929,600	105,929,600	
	Grand Total		336,132,400	336,132,400	

Explanation Of Acronyms

AFIS	Automated Fingerprint Identification System	HVAC	Heating, Ventilation, And Air Conditioning
CLEP	Cadet Leadership Education Program	KCH	Kentucky Children's Home
DJJ	Department Of Juvenile Justice	KCIW	Kentucky Correctional Institution For Women
DOC	Department Of Corrections	KYOPS	Kentucky Open Portal Solution
DPA	Department Of Public Advocacy	LLCC	Luther Luckett Correctional Complex
DSP	Department Of State Police	NTC	Northpoint Training Center
DT	Day Treatment	SEC	Office of the Secretary
EKCC	Eastern Kentucky Correctional Complex	SEM,GC/MS	Scanning Electron Microscope And Gas Chromatograph
GRCC	Green River Correctional Complex		With A Mass Spectrometer Detector
		YDC	Youth Development Center

Labor Cabinet

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Online Filing System	IT	4,226,000		4,226,000 RF
	2014-2016 Total		4,226,000		4,226,000
	Grand Total		4,226,000		4,226,000

Tourism, Arts And Heritage Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
1	1	DOP Miscellaneous Major Maintenance Pool	C-PI	18,000,000	18,000,000	
2	3	SFB Miscellaneous Major Maintenance Pool 2014-2016	C-PI	2,000,000	2,000,000	
3	1	KHP Minor Capital Projects Maintenance Pool	C-PI	5,135,000	5,135,000	
4	1	KCA Maintenance Pool	C-PI	1,100,000	1,100,000	
5	1	SEC Miscellaneous Maintenance Pool	C-PI	1,500,000	1,500,000	
6	2	SFB Cardinal Stadium/Warehouse	C-O	15,000,000	15,000,000	
7	2	KHP Expand Campground	C-O	7,661,000	7,661,000	
8	1	SFB KICC Renovation & Expansion	C-O	180,000,000	180,000,000	
9	2	DOP Replace Obsolete Systems (WiFi and Telephone Systems)	IT	1,750,000	1,750,000	
10	3	DOP Property Management & Point-of-Sale Systems 2014	IT	2,500,000	2,500,000	
11	7	DOP Golf Cart and Equipment Replacement	EQ	1,800,000	1,800,000	
12	8	DOP Improve/Construct Campground Facilities	C-PI	3,000,000	3,000,000	
13	20	DOP Restore CCC Structures Statewide	C-PI	1,000,000	1,000,000	
14	6	SFB Facility Crowd Control and Miscellaneous Power Equipment	EQ	1,932,000	1,932,000	
15	4	SFB Maintenance Building	C-O	1,075,000	1,075,000	
16	3	KHP Replace Roof: Museum Gatehouse VIC	C-PI	1,210,000	1,210,000	
17	11	DOP Splash Park Development Pool Various Parks	C-O	3,000,000	3,000,000	
18	3	KHS KY History Center Museum Renovations	C-O	2,120,000	100,000	2,020,000 OT-P
19	4	DOP Upgrade Guest Accommodations	C-PI	5,500,000	5,500,000	
20	5	SFB KEC South Wing Roof Replacement	C-PI	3,083,000	3,083,000	
21	9	DOP Relocate Marina Rough River	C-PI	1,350,000	1,350,000	
22	6	DOP Purchase Equipment	EQ	2,250,000	2,250,000	
23	7	SFB Equipment Capital	EQ	1,932,000	1,932,000	
24	16	DOP Upgrade Fitness Facilities	C-O	600,000	600,000	
25	2	KCA Green Roof	C-PI	3,750,000	3,750,000	
26	12	DOP Upgrade Recreational Building Pool Tom Sawyer	C-PI	1,100,000	1,100,000	
27	13	DOP Upgrade/Replace Lodge (Design) Jenny Wiley	C-PI	5,500,000	5,500,000	
28	1	KHS Kentucky Historical Society Digital Initiatives	IT	4,500,000	2,000,000	2,500,000 OT-P
29	2	KHS Campus Renovation Pool	C-O	1,440,000	1,440,000	
30	1	NKCC Convention Center Expansion	C-O	35,000,000	35,000,000	
31	21	DOP Demolish Structures Statewide	C-O	600,000	600,000	
32	5	DOP Renovate/Replace Cottages	C-PI	5,400,000	5,400,000	
33	10	DOP Dale Hollow State Park Golf Course Slide Repair	C-PI	1,300,000	1,300,000	
34	17	DOP Renovate/Reconstruct Employee Housing	C-PI	1,000,000	1,000,000	
35	18	DOPE Marina Expansion Yatesville Lake	C-O	1,550,000	1,550,000	
36	14	DOP Upgrade Golf Course Irrigation KY Dam	C-PI	1,400,000	1,400,000	
37	15	DOP Upgrade Golf Course Irrigation Lake Barkley	C-PI	1,400,000	1,400,000	
38	19	DOP Concrete Repairs Barren River	C-PI	600,000	600,000	
39	3	KCA Intelligent Lighting Equipment Package	C-PI	300,000	300,000	
2014-2016 Total				329,338,000	324,818,000	4,520,000

Tourism, Arts And Heritage Cabinet (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	DOP Construct Convention Center Cumberland Falls	C-O	3,600,000	3,600,000	
	DOP Construct Indoor Pool KY Dam	C-PI	6,000,000	6,000,000	
	DOP Construct Indoor Pool/Fitness Lake Cumberland	C-PI	6,100,000	6,100,000	
	DOP Enclose Lodge Pool General Butler	C-O	3,000,000	3,000,000	
	DOP Golf Cart and Equipment Replacement	EQ	1,000,000	1,000,000	
	DOP Improve/Construct Campground Facilities	C-O	3,000,000	3,000,000	
	DOP Jefferson Davis Monument Re-sealing	C-PI	620,000	620,000	
	DOP Campground Gobblers Knob	C-O	12,385,000	12,385,000	
	DOP Miscellaneous Maintenance Pool	C-PI	20,000,000	20,000,000	
	DOP Park Upgrades Levi Jackson	C-O	600,000	600,000	
	DOP Purchase Equipment	C-PI	2,250,000	2,250,000	
	DOP Restaurant Improvement/Upgrades Various Parks	C-PI	2,000,000	2,000,000	
	DOP Restoration Structural Elements Whitehall SHS	C-PI	950,000	950,000	
	DOP Upgrade Guest Accommodations	C-PI	5,500,000	5,500,000	
	DOP Upgrade HVAC System White Hall	C-PI	850,000	850,000	
	DOP Upgrade/Replace Lodge (Construction) Jenny Wiley	C-O	30,000,000	30,000,000	
	DOP Widen Boat Ramp and Expand Parking Taylorsville Lake	C-O	3,200,000	3,200,000	
	FCC Maintenance Pool	C-PI	300,000	300,000	
	KACB Miscellaneous Minor Maintenance Pool	C-PI	450,000	450,000	
	KCA ADA Upgrades	C-PI	700,000	700,000	
	KCA Key Card Access	C-PI	600,000	600,000	
	KCA Maintenance Pool	C-PI	1,100,000	1,100,000	
	KCA Replace Chiller System	C-PI	1,200,000	1,200,000	
	KCA Technology Upgrades	IT	900,000	900,000	
	KHP Acquire Land	C-O	2,549,000	2,549,000	
	KHP Construct Competition Stall Barn	C-O	2,000,000	2,000,000	
	KHP Construct Pole-Barn with Stalls at Stadium	C-O	3,530,000	3,530,000	
	KHP Expand Arena Parking Lot	C-O	1,500,000	1,500,000	
	KHP Expand Warm-Up Ring	C-O	600,000	600,000	
	KHP Minor Capital Projects Maintenance Pool	C-PI	3,420,000	3,420,000	
	KHP Renovate and Expand the Hall of Champions Complex	C-O	785,000	785,000	
	KHS KY History Center Museums Renovations	C-O	7,512,000	2,401,000	5,111,000 OT-P
	NKCC Maintenance Pool	C-PI	300,000	300,000	
	SEC Miscellaneous Maintenance Pool	C-PI	1,500,000	1,500,000	
	SFB Commonwealth and Cowger Garages	C-PI	2,100,000	2,100,000	
	SFB Freedom Hall Sewer Line	C-PI	3,100,000	3,100,000	
	SFB KEC South Wing Interior	C-PI	3,783,000	3,783,000	
	SFB Miscellaneous Major Maintenance Pool 2016-18	C-PI	2,000,000	2,000,000	
	2016-2018 Total		140,984,000	135,873,000	5,111,000

Tourism, Arts And Heritage Cabinet (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2018-2020					
	DOP Construct Picnic Shelter/Statewide	C-O	750,000	750,000	
	DOP Golf Cart and Equipment Replacement	EQ	1,000,000	1,000,000	
	DOP Improve/Construct Campground Facilities	C-PI	3,000,000	3,000,000	
	DOP Land Acquisition	C-O	1,000,000	1,000,000	
	DOP Miscellaneous Maintenance Pool	C-PI	25,000,000	25,000,000	
	DOP Purchase Equipment	EQ	2,250,000	2,250,000	
	DOP Recreation Improvements Jenny Wiley	C-O	3,000,000	3,000,000	
	DOP Restaurant Improvement/Upgrades Various Parks	C-PI	4,000,000	4,000,000	
	DOP Upgrade Guest Accommodations	C-PI	5,500,000	5,500,000	
	EKEC Maintenance Pool	C-PI	300,000	300,000	
	FCC Maintenance Pool	C-PI	300,000	300,000	
	KACB Miscellaneous Minor Maintenance Pool	C-PI	450,000	450,000	
	KCA Build Offices Over the Loading Dock	C-O	2,840,000	2,840,000	
	KCA Main Lobby Audio/Visual Equipment Replacement	C-PI	650,000	650,000	
	KCA Maintenance Pool	C-PI	1,100,000	1,100,000	
	KCA South Lobby Donor Recognition Room	C-PI	2,000,000	2,000,000	
	KCA Whitney Hall Fly System Replacement	C-PI	1,200,000	1,200,000	
	KHP Expand/Renovate Breeds Barn	C-PI	2,325,000	2,325,000	
	KHP Expand/Renovate Covered Arena	C-PI	23,317,000	23,317,000	
	KHP Minor Capital Projects Maintenance Pool	C-PI	3,530,000	3,530,000	
	KHP Renovate Restaurant Facility	C-PI	952,000	952,000	
	NKCC Maintenance Pool	C-PI	300,000	300,000	
	SEC Miscellaneous Maintenance Pool	C-PI	1,500,000	1,500,000	
	SFB Emergency Communication and Phone Upgrade	EQ	950,000	950,000	
	SFB Gate Entrances	C-O	1,600,000	1,600,000	
	SFB KEC Administrative Office Renovation	C-PI	1,800,000	1,800,000	
	SFB KEC Parking Lot Resurfacing	C-O	6,270,000	6,270,000	
	SFB KEC West Wing and Pavilion Filtration	EQ	1,200,000	1,200,000	
	SFB Miscellaneous Major Maintenance Pool 2018-20	C-PI	2,000,000	2,000,000	
	2018-2020 Total		100,084,000	100,084,000	
	Grand Total		570,406,000	460,691,000	9,631,000

Tourism, Arts And Heritage Cabinet (continued)

Projects Involving The Road Fund

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1			DOP Road Maintenance Various Parks	C-PI	3,500,000	3,500,000	
2014-2016 Total					3,500,000	3,500,000	
2016-2018							
			DOP Road Maintenance Various Parks	C-PI	3,000,000	3,000,000	
2016-2018 Total					3,000,000	3,000,000	
2018-2020							
			DOP Road Maintenance Various Parks	C-PI	5,100,000	5,100,000	
2018-2020 Total					5,100,000	5,100,000	
Grand Total					11,600,000	11,600,000	

Tourism, Arts And Heritage Cabinet (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	DFW Boating/Fishing Access Pool	C-O	1,200,000	1,200,000	RF
	DFW Fees-in-Lieu-of Stream Mitigation Projects Pool	C-O	40,000,000	40,000,000	RF
	DFW Land Acquisition Pool	C-O	2,000,000	2,000,000	RF
	DFW Minor Projects Pool	C-O	2,000,000	2,000,000	RF
	DOP Covered Bridge Restoration/Repair Cabin Creek	C-PI	1,180,000	1,180,000	FF/OT-LTF
	2014-2016 Total		46,380,000	46,380,000	
2016-2018					
	DFW Boating/Fishing Access Pool	C-O	1,200,000	1,200,000	RF
	DFW Fees-in-Lieu-of Stream Mitigation Projects Pool	C-O	40,000,000	40,000,000	RF
	DFW Land Acquisition Pool	C-O	2,000,000	2,000,000	RF
	DFW Minor Projects Pool	C-O	2,000,000	2,000,000	RF
	KHP Renovate International Museum of the Horse	C-O	3,409,000	3,409,000	OT-P
	2016-2018 Total		48,609,000	48,609,000	
2018-2020					
	DFW Boating/Fishing Access Pool	C-O	1,200,000	1,200,000	RF
	DFW Fees-in-Lieu-of Stream Mitigation Projects Pool	C-O	40,000,000	40,000,000	RF
	DFW Land Acquisition Pool	C-O	2,000,000	2,000,000	RF
	DFW Minor Projects Pool	C-O	2,000,000	2,000,000	RF
	2018-2020 Total		45,200,000	45,200,000	
	Grand Total		140,189,000	140,189,000	

Explanation Of Acronyms

ADA	Americans With Disabilities Act
CCC	Civilian Conservation Corps
DFW	Department Of Fish And Wildlife Resources
DOP	Department Of Parks
EKEC	Eastern Kentucky Exposition Center
FCC	Frankfort Convention Center
HVAC	Heating, Ventilation, And Air Conditioning
KACB	Kentucky Artisans Center At Berea
KCA	Kentucky Center For The Arts
KEC	Kentucky Exposition Center
KHP	Kentucky Horse Park
KHS	Kentucky Historical Society
KICC	Kentucky International Convention Center
NKCC	Northern Kentucky Convention Center
SEC	Office Of The Secretary
SFB	State Fair Board
SHS	State Historic Site
VIC	Visitor Information Center

Transportation Cabinet

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1	1		DOA Aircraft Major Maintenance Pool	EQ	1,200,000	1,200,000	
2	1		SEC Various Airport Buildings; Repair	C-PI	1,000,000	1,000,000	
3	2		SEC Construct Two Medium Sized Box Hangars	C-O	650,000	650,000	
2014-2016 Total					3,100,000	3,100,000	
2016-2018							
			DOA Aircraft Major Maintenance Pool	EQ	1,200,000	1,200,000	
			SEC Construct Ten Aircraft T-Hangars	C-O	650,000	650,000	
2016-2018 Total					1,700,000	1,700,000	
2018-2020							
			DOA Aircraft Major Maintenance Pool	EQ	1,200,000	1,200,000	
			SEC Construct Capital City Airport Terminal Building	C-O	2,728,000	2,728,000	
			SEC Construct One Large Hangar	C-O	750,000	750,000	
2018-2020 Total					2,700,000	2,700,000	
Grand Total					7,500,000	7,500,000	

Transportation Cabinet (continued)

Projects Involving The Road Fund

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>Road Fund</u>	<u>Other Funds/Source(s)</u>
2014-2016							
1	1		SEC Building/Site Renovation and Emergency Repair	C-PI	1,865,000	1,865,000	
2	2		SEC Construct/Repair Salt Storage Structure and Ancillary Structure	C-PI	2,450,000	2,450,000	
3	3		SEC Site Renovation Repair and Replacement	C-PI	1,140,000	1,140,000	
4	4		SEC Painting & Roof Repair or Replacement	C-PI	1,325,000	1,325,000	
5	5		SEC Replace Overhead Doors and Emergency Repairs	C-PI	715,000	715,000	
6	6		SEC Water and Wastewater	C-PI	600,000	600,000	
7	7		SEC EPA Compliance Install Oil/Water Separators	C-O	600,000	600,000	
8	8		SEC Upgrade HVAC Systems District Offices	C-PI	775,000	775,000	
9	9		SEC Upgrade to Energy Efficient Lighting	C-PI	600,000	600,000	
10	1		DOHA Repair Loadometer & Rest Areas	C-PI	2,000,000	2,000,000	
11	2		DOH Various Environmental Compliance	C-O	1,138,000	1,138,000	
12	3		DOH Road Maintenance Parks	C-O	3,000,000	3,000,000	
13	10		SEC Upgrade AASHTOWare	IT	2,000,000	2,000,000	
14	11		SEC Upgrade AASHTOWare Bridge Management Software	IT	600,000	600,000	
15	12		SEC Transportation Enterprise Database Reporting Initiatives	IT	600,000	600,000	
16	1		DVR International Registration Plan	IT	2,000,000	2,000,000	
17	2		DVR Replace Division of Customer Service Systems	IT	975,000	975,000	
18	13		SEC Construct Breathitt County District 10 Office	C-O	6,600,000	6,600,000	
19	14		SEC Construct C-1 Garage	C-O	5,000,000	5,000,000	
20	15		SEC Construct Breckinridge County Maintenance/Salt Facility	C-O	1,550,000	1,550,000	
21	16		SEC Construct Hart County Maintenance/Salt Facility	C-O	1,550,000	1,550,000	
22	17		SEC Construct Bath County Maintenance/Salt Facility	C-O	1,550,000	1,550,000	
23	18		SEC Construct McLean County Maintenance/Salt Facility	C-O	1,550,000	1,550,000	
24	19		SEC Construct Pulaski County Salt Storage Addition	C-O	600,000	600,000	
2014-2016 Total					40,783,000	40,783,000	
2016-2018							
			DOH Repair Loadometer and Rest Areas	C-PI	1,500,000	1,500,000	
			DOH Road Maintenance Parks	C-O	3,000,000	3,000,000	
			DOH Various Environmental Compliance	C-O	1,105,000	1,105,000	
			SEC Building/Site Renovation and Emergency Repair	C-PI	1,980,000	1,980,000	
			SEC Construct Boyd County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct Clay County District 11 Office	C-O	6,600,000	6,600,000	
			SEC Construct Harlan County Maintenance Facility	C-O	1,360,000	1,360,000	
			SEC Construct Henry County Maintenance Facility	C-O	1,000,000	6,600,000	
			SEC Construct Letcher County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct Marshall County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct Morgan County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct Pike County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct Roadside Maintenance Facilities	C-O	1,500,000	1,500,000	
			SEC Construct Wolfe County Maintenance/Salt Facility	C-O	1,675,000	1,675,000	
			SEC Construct/Repair Salt Storage Structure and Ancillary Structure	C-PI	2,650,000	2,650,000	
			SEC Painting & Roof Repair or Replacement	C-PI	1,440,000	1,440,000	
			SEC Replace Overhead Doors and Emergency Repairs	C-PI	775,000	775,000	
			SEC Site Renovation Repair and Replacement	C-PI	1,235,000	1,235,000	

Transportation Cabinet (continued)

Projects Involving The Road Fund

<u>Priority #</u>			<u>Total</u>	<u>Road</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Fund</u>	<u>Source(s)</u>
		SEC Upgrade to Energy Efficient Lighting	600,000	600,000	
		SEC Water and Wastewater	620,000	620,000	
		2016-2018 Total	1,220,000	1,220,000	
2018-2020					
		DOH Repair Loadometer and Rest Areas	C-PI 1,500,000	1,500,000	
		DOH Road Maintenance Parks	C-O 3,000,000	3,000,000	
		DOH Various Environmental Compliance	C-O 940,000	940,000	
		SEC Building/Site Renovation and Emergency Repair	C-PI 2,140,000	2,140,000	
		SEC Construct Butler County Maintenance/Salt Facility	C-O 1,700,000	1,700,000	
		SEC Construct Hickman County Maintenance/Salt Facility	C-O 1,815,000	1,815,000	
		SEC Construct Hopkins County District 2 Office	C-O 7,000,000	7,000,000	
		SEC Construct Logan County Maintenance/Salt Facility	C-O 1,700,000	1,700,000	
		SEC Construct McCracken County District 1 Office	C-O 7,000,000	7,000,000	
		SEC Construct Robertson County Maintenance/Salt Facility	C-O 1,815,000	1,815,000	
		SEC Construct Simpson County Maintenance/Salt Facility	C-O 1,700,000	1,700,000	
		SEC Construct Trimble County Maintenance/Salt Facility	C-O 1,815,000	1,815,000	
		SEC Construct Union County Maintenance/Salt Facility	C-O 1,815,000	1,815,000	
		SEC Construct/Repair Salt Storage Structure & Ancillary Structure	C-PI 2,865,000	2,865,000	
		SEC Painting & Roof Repair or Replacement	C-PI 1,560,000	1,560,000	
		SEC Replace or Renovate Pulaski County Sign Shop & Traffic Facility	C-O 600,000	600,000	
		SEC Replace Overhead Doors and Emergency Repairs	C-PI 835,000	835,000	
		SEC Site Renovation Repair and Replacement	C-PI 1,335,000	1,335,000	
		SEC Water and Wastewater	C-PI 675,000	675,000	
		2018-2020 Total	41,810,000	41,810,000	
		Grand Total	83,813,000	83,813,000	

Explanation Of Acronyms

DOA	Department Of Aviation
DOH	Department Of Highways
DVR	Department Of Vehicle Regulation
EPA	Environmental Protection Agency
HVAC	Heating, Ventilation, And Air Conditioning
SEC	Office Of The Secretary

Council On Postsecondary Education

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	HB265 Adult Learner Degree Attainment Initiative Cap	IT	1,000,000	1,000,000	
2	Kentucky Virtual Library Infrastructure Rebuild	IT	15,000,000	15,000,000	
3	Expand Kentucky Regional Optical Network Infrastructure	IT	10,000,000	10,000,000	
4	Enterprise Data Collection, Analysis and Report System	IT	1,150,000	1,150,000	
5	Upgrade/Expand Postsecondary Video Conferencing	IT	2,000,000	2,000,000	
6	Course Redesign	IT	2,000,000	2,000,000	
2014-2016 Total			31,150,000	31,150,000	
Grand Total			31,150,000	31,150,000	

Eastern Kentucky University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
<u>Cab</u>	<u>Ag</u>				
2014-2016					
1	Construct Science Building Phase II	C-O	66,340,000	66,340,000	
2	Construct Aviation Instruction Facility	C-O	2,000,000	2,000,000	
3	Construct College of Education Complex	C-O	83,455,000	83,455,000	
4	Renovate Student Health Center	C-PI	2,705,000	2,705,000	
5	Renovate Whalen Complex	C-PI	22,837,000	20,837,000	2,000,000 OT-P
6	Renovate Begley Building Concrete	C-PI	1,250,000	1,250,000	
7	Renovate and Upgrade Heat Plant	C-PI	5,500,000	5,500,000	
8	Renovate Alumni Coliseum and Weaver Pools	C-PI	2,500,000	2,500,000	
9	Construct E&G Life Safety Begley Elevator	C-O	765,000	765,000	
10	Purchase Minor Projects Equipment	EQ	5,000,000	5,000,000	
11	EKU-UK Dairy Research Project (Meadowbrook Farm)	C-O	10,360,000	10,360,000	
12	Construct University Information Technology Center	C-O	41,397,000	41,397,000	
13	Purchase Networked Education System Components	IT	6,950,000	6,950,000	
14	Renovate HVAC Systems	C-PI	10,000,000	5,000,000	5,000,000 RF
15	Upgrade Academic Computing	IT	5,000,000	3,000,000	2,000,000 RF
16	Expand/Upgrade Campus Data Network	IT	13,212,000	11,212,000	2,000,000 RF
2014-2016 Total			279,271,000	268,271,000	11,000,000
2016-2018					
	Construct Health Sciences Building	C-O	33,150,000	33,150,000	
	Expand, Upgrade Campus Data Network	IT	13,212,000	11,212,000	2,000,000 RF
	Purchase Networked Education System Components	IT	7,000,000	7,000,000	
	Renovate Bert Combs Building	C-PI	26,300,000	26,300,000	
	Renovate Weaver Building	C-PI	13,859,000	13,859,000	
	Upgrade Academic Computing	IT	5,100,000	3,100,000	2,000,000 RF
2016-2018 Total			98,621,000	94,621,000	4,000,000
2018-2020					
	Construct Arts and Humanities Building	C-O	41,820,000	41,820,000	
	Construct Danville Postsecondary Education Center	C-O	20,706,000	20,706,000	
	Construct Extended Campus Corbin Phase II	C-O	23,664,000	23,664,000	
	Expand, Upgrade Campus Data Network	IT	13,212,000	11,212,000	2,000,000 RF
	Purchase Networked Education System Components	IT	7,100,000	7,100,000	
	Renovate Alumni Coliseum	C-PI	31,350,000	31,350,000	
	Renovate and Expand Powell Building	C-PI	41,830,000	41,830,000	
	Renovate Moore Building	C-PI	26,579,000	26,579,000	
	Upgrade Academic Computing	IT	4,900,000	2,900,000	2,000,000 RF
	Upgrade Administrative Computing System	IT	3,350,000	3,350,000	
2018-2020 Total			211,161,000	207,161,000	4,000,000
Grand Total			589,053,000	570,053,000	19,000,000

Eastern Kentucky University (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Construct New Student Housing	C-O	36,000,000	36,000,000 AB
2		Construct University Activity Center Phase II	C-O	31,900,000	31,900,000 AB
3		Renovate Residence Hall	C-PI	12,500,000	12,500,000 AB
2014-2016 Total			80,400,000	80,400,000	
2016-2018					
		Construct New Student Housing	C-O	19,200,000	19,200,000 AB
		Renovate Residence Hall	C-PI	12,500,000	12,500,000 AB
2016-2018 Total			31,700,000	31,700,000	
2018-2020					
		Construct New Student Housing-Garden Apartments	C-O	54,000,000	54,000,000 AB
		Construct North Residential District Retail Unit	C-O	2,250,000	2,250,000 AB
		Renovate Residence Hall	C-PI	14,000,000	14,000,000 AB
2018-2020 Total			70,250,000	70,250,000	
Grand Total			182,350,000	182,350,000	

Eastern Kentucky University (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Construct Addition to Ashland Building	C-O	2,000,000		RF
	Construct Bio-Fuels Research Facility	C-O	12,340,000	12,340,000	FF
	Construct ECU Early Childhood Center	C-O	3,350,000	3,350,000	RF
	Construct Pedestrian Bridge	C-O	1,200,000	1,200,000	RF/OT-P
	Construct Public Safety Training Facility Addition	C-O	9,938,000	9,938,000	OT-LTF
	Construct Regional Health Facility	C-O	12,500,000	12,500,000	FF
	Construct Student Athlete Support Facility	C-O	7,823,000	7,823,000	RF
	Expand Indoor Tennis Facility	C-O	3,225,000	3,225,000	OT-P
	Install Lights for Baseball, Softball, and Soccer	EQ	1,224,000	1,224,000	OT-P
	Miscellaneous Maintenance Pool	C-PI	10,000,000	10,000,000	RF
	Purchase of Adjacent Property	C-PI	3,000,000	3,000,000	RF
	Purchase Video Board and Sound System Alumni	EQ	1,500,000	1,500,000	RF/OT-P
	Renovate Ambulance Building	C-PI	980,000	980,000	RF
	Renovate Baseball Complex	C-PI	2,200,000	2,200,000	OT-P
	Renovate Blanton House	C-PI	1,100,000	1,100,000	RF
	Renovate Lancaster Center Building	C-PI	1,472,000	1,472,000	OT-P
	Renovate Property	C-PI	3,000,000	3,000,000	OT-P
	Renovate Women's Softball Complex	C-PI	1,500,000	1,500,000	OT-P
	Upgrade Administrative Computing System	IT	3,150,000	3,150,000	RF
	2014-2016 Total		81,502,000	81,502,000	
2016-2018					
	Alumni Coliseum Addition/Field House Shell	C-O	3,060,000	3,060,000	OT-P
	Miscellaneous Maintenance Pool	C-PI	10,000,000	10,000,000	RF
	Upgrade Administrative Computing System	IT	3,200,000	3,200,000	RF
	2016-2018 Total		16,260,000	16,260,000	
2018-2020					
	Miscellaneous Maintenance Pool	C-PI	10,000,000	10,000,000	RF
	Upgrade Administrative Computing System	IT	3,350,000	3,350,000	RF
	2018-2020 Total		13,350,000	13,350,000	
	Grand Total		111,112,000	111,112,000	

Explanation Of Acronyms

E&G	Education And General
ECU	Eastern Kentucky University
HVAC	Heating, Ventilation, And Air Conditioning
UK	University Of Kentucky

Kentucky Community And Technical College System

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	Construct MCTC/MSU Postsecondary Center of Exc Phase I	C-O	29,775,000	29,775,000	
2	Construct Carrollton Campus Jefferson CTC (Add'l)	C-O	16,338,000	16,338,000	
3	Construct Owensboro Advanced Technology Center Phase II	C-O	13,488,000	13,488,000	
4	Construct Madisonville Postsecondary Ed Center (Add'l)	C-O	21,500,000	21,500,000	
5	Construct Newtown Campus Phase II Bluegrass CTC	C-O	45,000,000	45,000,000	
6	Construct 2D Arts School Phase III West KY CTC	C-O	10,000,000	8,000,000	2,000,000 RF
7	Construct Urban Campus Gateway CTC	C-O	72,000,000	72,000,000	
8	Renovate Downtown Campus Phase II JCTC	C-PI	29,831,000	29,831,000	
9	Renovate Main Building College Drive Ashland CTC	C-PI	36,869,000	36,869,000	
10	Construct Comm Intergen Center (Add'l) Lees Hazard CTC	C-O	14,500,000	14,500,000	
11	Renovate for Southeast Education Alliance Center SKCTC	C-O	22,395,000	22,395,000	
12	Construct Ag Health & Career Tech Hopkinsville Phase I	C-O	20,000,000	20,000,000	
13	Construct Advanced Manufacture Facility BCTC (Add'l)	C-O	24,000,000	24,000,000	
14	Construct Muhlenberg Campus Phase II Madisonville CC	C-O	12,850,000	12,850,000	
15	Expansion of Pikeville Campus Big Sandy CTC	C-O	19,952,000	19,952,000	
16	Construct Arts and Humanities Building Somerset CC North	C-O	20,050,000	20,050,000	
17	Construct Adv Manfact & Auto Tech Center Jefferson CTC	C-O	47,732,000	47,732,000	
18	Renovate Henderson CC Facilities Campuswide	C-PI	5,500,000	5,500,000	
19	Construct Allied Health Building Hazard CTC	C-O	26,129,000	26,129,000	
20	Construct Somerset CC Extension Center Russell County	C-O	15,700,000	15,700,000	
21	Construct Instructional Classroom Southcentral KY CTC	C-O	22,000,000	22,000,000	
22	Construct Allied Health Building Phase II West KY CTC	C-O	16,762,000	16,762,000	
23	Renovate Academic Building Hopkinsville CC	C-PI	10,233,000	10,233,000	
24	Renovate Denham Building Exterior Maysville CTC	C-PI	4,011,000	4,011,000	
25	Construct Technology Dr Campus Phase III (Add'l) Ashland	C-O	11,771,000	11,771,000	
26	Construct Tech Ed Building Somerset CC Laurel North	C-O	26,875,000	26,875,000	
27	Construct Allied Health/Education Alliance Center SKCTC	C-O	25,019,000	25,019,000	
28	Replace HVAC System Phase I Owensboro CTC	C-PI	3,297,000	3,297,000	
29	Renovate Admin (Owen) Building Elizabethtown CTC	C-PI	1,000,000	1,000,000	
30	Construct Bullitt County Campus Jefferson CTC	C-O	41,523,000	41,523,000	
31	Development of DJJ Property Bluegrass CTC	C-PI	5,322,000	5,322,000	
32	Renovate Admin Building Whitesburg Campus SKCTC	C-PI	3,734,000	3,734,000	
33	Renovation of Mining Building SKCTC Harlan Campus	C-PI	8,829,000	8,829,000	
34	Install Sprinkler Systems West KYCTC	C-PI	1,500,000	1,500,000	
35	Construct KATI Phase II Southcentral KYCTC	C-O	9,531,000	9,531,000	
36	Acquisition of System Office Building	C-O	6,300,000	6,300,000	
37	KCTCS Equipment Pool	EQ	15,000,000	15,000,000	
38	Master Plan Development and Upgrade Pool	C-O	1,500,000	1,500,000	
39	KCTCS Information Tech Infrastructure Upgrade	IT	12,000,000	12,000,000	
40	Capital Renewal and Deferred Maintenance Pool	C-PI	38,000,000	38,000,000	
2014-2016 Total			767,816,000	765,816,000	2,000,000

Kentucky Community And Technical College System (continued)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	Allied Health Building Henderson CC	C-O	15,330,000	15,330,000	
	Capital Renewal and Deferred Maintenance Pool	C-PI	38,000,000	38,000,000	
	Construct 3rd Floor Addition to LRC Madisonville CC	C-PI	5,000,000	5,000,000	
	Construct Administration/Academic Building Maysville CTC	C-O	12,100,000	12,100,000	
	Const Allied Health Building Southcentral KY CTC	C-O	17,156,000	17,156,000	
	Construct Arts and Humanities Building Hopkinsville CC	C-O	16,700,000	16,700,000	
	Construct Central Plant Harlan Campus SKCTC	C-PI	865,000	865,000	
	Construct Child Care Center Cumberland Campus SKCTC	C-O	4,025,000	4,025,000	
	Construct Child Care Center Middlesboro Campus SKCTC	C-O	4,025,000	4,025,000	
	Construct Classroom/Student Center Boone Campus Gateway CTC	C-O	26,687,000	26,687,000	
	Construct Classroom/Adm Building Boone Campus Gateway CTC	C-O	26,687,000	26,687,000	
	Construct Commonwealth College Center West KY CTC	C-O	15,995,000	15,995,000	
	Construct Completion of Loop Drive Maysville CTC	C-PI	5,500,000	5,500,000	
	Construct Danville Campus Expansion Bluegrass CTC	C-O	13,412,000	13,412,000	
	Construct Emerging Tech Center Expansion West KY CTC	C-O	14,900,000	14,900,000	
	Construct Licking Valley Center Phase III Maysville CTC	C-O	10,744,000	10,744,000	
	Construct LRC/Student Services Building Jefferson CTC DT	C-O	33,678,000	33,678,000	
	Construct M & O Facility Hopkinsville CC	C-O	3,193,000	3,193,000	
	Construct Maint & IT Building Cumberland Campus SKCTC	C-O	3,482,000	3,482,000	
	Construct Maint Building Middlesboro Campus SKCTC	C-O	3,132,000	3,132,000	
	Construct Midwest Center for Energy/Comm Gateway CTC	C-O	15,622,000	15,622,000	
	Construct New Road Entrances Cumberland SKCTC	C-PI	2,341,000	2,341,000	
	Construct Paris Center Maysville CTC	C-O	10,000,000	10,000,000	
	Construct Parking Edgewood Campus Gateway CTC	C-O	1,177,000	1,177,000	
	Construct Region Emergency Service Facility Ashland CTC	C-PI	23,649,000	23,649,000	
	Construct Training Facility NARA Bluegrass CTC	C-O	5,093,000	5,093,000	
	Construct Transpark Phase II Southcentral KYCTC	C-O	12,772,000	12,772,000	
	Construct Winchester Campus Expansion Bluegrass CTC	C-O	15,414,000	12,914,000	2,500,000 RF
	Expansion of Shelby County Campus Jefferson CTC	C-O	14,509,000	14,509,000	
	Expansion of Welding Facility Hopkinsville CC	C-O	1,784,000	1,784,000	
	HVAC Replacement Devert Owens Building Hazard CTC	C-PI	3,960,000	3,960,000	
	Infrastructure Upgrades Madisonville CC	C-PI	1,200,000	1,200,000	
	KCTCS Equipment Pool	C-PI	15,000,000	15,000,000	
	Renovate Administration Building Harlan Campus SKCTC	C-PI	6,984,000	6,984,000	
	Renovate Administration Building Hopkinsville CC	C-O	1,500,000	1,500,000	
	Renovate Auditorium Building Hopkinsville CC	C-PI	5,499,000	5,499,000	
	Renovate Buildings A,D,E,F Main Campus SKCTC	C-PI	9,750,000	9,750,000	
	Renovate Concourse Cumberland Campus SKCTC	C-PI	1,355,000	1,355,000	
	Renovate Downtown Campus Owensboro CTC	C-O	1,000,000	1,000,000	
	Renovate LRC Building Hopkinsville CC	C-PI	5,295,000	5,295,000	
	Renovate Mechanical Systems Jefferson CTC Southwest Campus	C-PI	7,700,000	7,700,000	
	Renovate Nursing Building Hazard CTC	C-PI	1,660,000	1,660,000	
	Renovate Science Labs Jefferson CTC	C-PI	3,702,000	3,702,000	
	Renovate Southeastern Campus Owensboro CTC	C-PI	1,170,000	1,170,000	
	Renovate Tech Campus Madisonville CC	C-PI	3,157,000	3,157,000	
	Renovate VTI Building Jefferson CTC Downtown Campus	C-PI	36,939,000	36,939,000	
	Renovation Pineville Campus SKCTC	C-PI	5,311,000	5,311,000	

Kentucky Community And Technical College System (continued)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
	Repave Parking Lots Jefferson CTC	C-PI	775,000	775,000	
	Replace HVAC System Phase II Owensboro CTC	C-PI	3,956,000	3,956,000	
	Replace HVAC Units Somerset CC South Campus	C-PI	2,542,000	2,542,000	
	Replace Roof/New Canopy Auditorium Hopkinsville	C-O	1,000,000	1,000,000	
	Soil Stabilization Godbey Cumberland Campus	C-PI	1,000,000	1,000,000	
	Upgrade Fire Alarm/Install Sprinkler Somerset CC	C-PI	3,000,000	3,000,000	
	2016-2018 Total		496,427,000	493,927,000	2,500,000
2018-2020					
	Capital Renewal and Deferred Maintenance Pool	C-PI	38,000,000	38,000,000	
	Construct Allied Health Building Glasgow Campus SKCTC	C-O	14,000,000	14,000,000	
	Construct Maintenance Facility Jefferson CTC	C-PI	7,287,000	7,287,000	
	Construct New Campus Entrance Jefferson CTC Southwest	C-PI	1,207,000	1,207,000	
	Construct Regional Post-Secondary Building Ashland CTC	C-O	15,285,000	15,285,000	
	Construct Technology Building Hazard CTC	C-O	19,651,000	19,651,000	
	Construct Skilled Craft Training Center Phase IV West KY	C-PI	7,283,000	7,283,000	
	Expansion of Fine Arts Center Henderson CC	C-O	5,794,000	5,000,000	794,000 RF
	KCTCS Equipment Pool	EQ	15,000,000	15,000,000	
	Purchase & Renovate Jefferson Education Center Jefferson CTC	C-O	29,779,000	29,779,000	
	Renovate Auditorium SW Campus Jefferson CTC	C-PI	2,090,000	2,090,000	
	Renovate Leestown Campus Bluegrass CTC	C-PI	5,000,000	5,000,000	
	Renovate Stoner Hall Theater Somerset CC	C-PI	1,132,000	1,132,000	
	Renovate Van Meter Gym Lees Campus Hazard CTC	C-PI	2,856,000	2,856,000	
	Replace HVAC System Phase III Owensboro CTC	C-PI	3,956,000	3,956,000	
	2018-2020 Total		168,320,000	167,526,000	794,000
	Grand Total		1,432,563,000	1,427,269,000	5,294,000

Kentucky Community And Technical College System (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Acquire Land Elizabethtown CTC	C-O	1,000,000	1,000,000	RF
	Construct 2nd Floor Lab Technology Center Hopkinsville	C-O	1,000,000	1,000,000	RF
	Construct Arboretum & Trails Maysville CTC	C-O	1,320,000	1,320,000	RF
	Construct Fire Commission System Office Building	C-O	5,527,000	5,527,000	RF
	Construct Maintenance and Tech Building West KY CTC	C-O	1,885,000	1,885,000	RF
	Construct Mt. Sterling Center Maysville CTC	C-O	8,000,000	8,000,000	RF
	Construct Parking Lot and Lighting Madisonville CC	C-O	1,375,000	1,375,000	RF
	Construct New Entrance Bluegrass CTC Leestown	C-PI	1,000,000	1,000,000	RF
	Construct Welding Lab Main Campus Henderson CC	C-O	1,707,000	1,707,000	RF
	Construct Second Entrance Main Madisonville CC	C-O	1,000,000	1,000,000	RF
	KCTCS Property Acquisition Pool	C-O	10,000,000	10,000,000	RF
	Purchase Leitchfield Property Elizabethtown CTC	C-O	3,000,000	3,000,000	RF
	Renovate Big Sandy CTC Facilities Collegewide	C-PI	8,030,000	8,030,000	RF
	Renovate Hager Hill Campus Big Sandy CTC	C-PI	2,000,000	2,000,000	RF
	Renovate & Safety Leestown Utility Bluegrass CTC	C-PI	1,200,000	1,200,000	RF
	Renovations Main Campus West KY CTC	C-PI	2,000,000	2,000,000	RF
	Replace Fire Alarm & Security System Maysville CTC	C-PI	1,000,000	1,000,000	RF
	Site and Infrastructure Improvements Somerset CC	C-PI	1,000,000	1,000,000	RF
	Soil Stabilization Industrial Education Building Hazard	C-O	1,650,000	1,650,000	RF
	2014-2016 Total		54,894,000	54,894,000	
2016-2018					
	KCTCS Property Acquisition Pool	C-O	10,000,000	10,000,000	RF
	2016-2018 Total		10,000,000	10,000,000	
2018-2020					
	Construct Child Development Center Henderson CC	C-O	5,976,000	5,976,000	OT-P
	KCTCS Property Acquisition Pool	C-O	10,000,000	10,000,000	RF
	2018-2020 Total		15,976,000	15,976,000	
	Grand Total		80,870,000	80,870,000	

Explanation Of Acronyms

BCTC	Bluegrass Community And Technical College	KYCTC	Kentucky Community And Technical College
CC	Community College	LRC	Learning Resource Center
CTC	Community And Technical College	M&O	Maintenance And Operations
DJJ	Department Of Juvenile Justice	MCTC	Maysville Community And Technical College
HVAC	Heating, Ventilation, And Air Conditioning	MSU	Morehead State University
IT	Information Technology	NARA	North American Racing Academy
JCTC	Jefferson Community And Technical College	SKCTC	Southeast Kentucky Community and Technical College
KATI	Kentucky Advanced Technology Center	VTI	Vocational Training Institute
KCTCS	Kentucky Community And Technical College System		

Kentucky State University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	Renovate and Expand Betty White Nursing Building	C-PI	9,028,000	9,028,000	
2	Build Central Boiler Plant & Replace Aging Distribution System	C-PI	46,382,000	46,382,000	
3	Roof Repair and Replacement Pool 2014	C-PI	3,375,000	3,375,000	
4	Construct Business and Technology Center	C-O	31,528,000	31,528,000	
5	Construct Classrooms/Performing Arts Center	C-O	96,034,000	96,034,000	
6	Upgrade Information Technology Infrastructure	IT	6,261,000	6,261,000	
7	Renovate or Replace Bradford Hall	C-O	27,266,000	27,266,000	
8	Renovate Jackson Hall Phase II	C-PI	5,628,000	5,628,000	
9	Renovate Central Computing Facility Carroll Academic Services Building	C-O	10,673,000	10,673,000	
10	Upgrade Computers Campus Wide	IT	1,208,000	1,208,000	
11	Renovate Open Computer Lab In Hill Student Center	C-O	5,389,000	5,389,000	
12	Integrated Digital Campus	IT	11,450,000	11,450,000	
13	Develop Bicycle/Pedestrian Trail	C-O	1,025,000	1,025,000	
14	Capital Renewal and Maintenance Projects Pool 2014	C-PI	1,460,000	1,460,000	
15	Construct Hill Student Center Addition Phase II	C-O	15,822,000	15,822,000	
16	Create Pedestrian Mall Hathaway Hall Hume Hall	C-O	1,125,000	1,125,000	
17	Expand Emergency Notification System	IT	4,580,000	4,580,000	
18	Renovate Blazer Library	C-PI	25,966,000	25,966,000	
19	Improve Campus Landscape and Signage	C-PI	906,000	906,000	
20	Renovate Carroll Academic Services Building	C-PI	41,229,000	41,229,000	
21	Life Safety Upgrade Pool 2014	C-PI	1,363,000	1,363,000	
22	Replace Alumni House	C-O	1,241,000	783,000	458,000 RF
2014-2016 Total			348,939,000	348,481,000	458,000
2016-2018					
	Build Central Chiller Plant South Campus	C-O	4,934,000	4,934,000	
	Capital Renewal and Maintenance Projects Pool 2016	C-PI	1,512,000	1,512,000	
	Construct Warehouse 2016	C-O	3,642,000	3,642,000	
	Life Safety Upgrade Pool 2016	C-PI	1,363,000	1,363,000	
	Roof Repair and Replacement Pool 2016	C-O	5,484,000	5,484,000	
2016-2018 Total			16,935,000	16,935,000	
2018-2020					
	Capital Renewal and Maintenance Projects Pool 2018	C-PI	2,110,000	2,110,000	
	Life Safety Upgrade Pool 2018	C-PI	1,362,000	1,362,000	
	Roof Repair and Replacement Pool 2018	C-PI	6,506,000	4,478,000	2,028,000 RF
2018-2020 Total			9,978,000	7,950,000	2,028,000
Grand Total			375,852,000	373,366,000	2,486,000

Kentucky State University (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Construct Athletic Sport Complex	5,487,000		5,487,000 AB
2		Construct Parking Structure	13,470,000		13,470,000 AB
2014-2016 Total			18,957,000		18,957,000
Grand Total			18,957,000		18,957,000

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

2014-2016					
		Acquire Land/Campus Master Plan 2014	C-O	2,000,000	2,000,000 RF/FF
		Athletics Project Pool 2014	C-PI	1,702,000	1,702,000 RF
		Construct Aquaculture Academic Research Facility	C-PI	7,443,000	7,443,000 FF
		Construct New Residence Hall Phase III	C-O	52,762,000	52,762,000 OT-LTF
		Construct Retail Space/Hotel on East Main and Douglas	C-O	36,588,000	36,588,000 OT-LTF
		Renovate Atwood Agriculture Research Building	C-PI	12,368,000	12,368,000 FF
		Renovate Old Federal Building	C-PI	4,580,000	4,580,000 FF
2014-2016 Total			117,443,000		117,443,000
2016-2018					
		Acquire Land/Campus Master Plan 2016	C-O	2,000,000	2,000,000 RF/FF
		Expand Alumni Stadium Dressing Room	C-O	8,398,000	8,398,000 RF
2016-2018 Total			10,398,000		10,398,000
2018-2020					
		Acquire Land/Campus Master Plan 2018	C-O	2,000,000	2,000,000 RF/FF
2018-2020 Total			2,000,000		2,000,000
Grand Total			129,841,000		129,841,000

Morehead State University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	Renovate/Expand Student Services Facility	C-O	49,679,000	49,679,000	
2	Plan and Design Music Academic and Performance Building	C-O	1,622,000	1,622,000	
3	Renovate Combs Classroom Building	C-PI	37,048,000	37,048,000	
4	Enhance Network/Infrastructure Resources	IT	5,945,000	5,945,000	
5	Upgrade Campus Fire & Security Systems	C-PI	3,000,000	3,000,000	
6	Construct Vet Tech Clinical Sciences Center	C-O	11,522,000	11,522,000	
7	Plan and Design Library Facility	C-O	1,640,000	1,640,000	
8	Const MCTC/MSU Postsecondary Center of Excellence Phase I	C-O	29,775,000	29,775,000	
9	Renovate McClure Pool	C-PI	3,600,000	3,600,000	
10	Replace Electrical Switchgear	C-PI	2,660,000	2,660,000	
11	Capital Renewal and Maintenance Pool University Farm	C-PI	1,209,000	1,209,000	
12	Construct Classroom/Laboratory Building at Browning Orchard	C-O	1,597,000	1,597,000	
13	Water Plant Sediment Basin	C-PI	1,500,000	1,500,000	
14	Renovate Button Auditorium	C-O	13,158,000	13,158,000	
15	Construct Athletic Admin and Sports Performance Building	C-O	24,582,000	18,437,000	6,145,000 OT-P
16	Acquire Land Related to Master Plan	C-O	4,000,000	4,000,000	
17	Construct Honors College Facility	C-O	2,884,000	2,884,000	
18	Purchase Equipment for Biochemistry Laboratory	EQ	450,000	450,000	
19	Enhance Library Automation Resources	IT	1,264,000	1,264,000	
20	Comply with ADA E&G	C-PI	3,877,000	3,877,000	
21	Upgrade and Expand Distance Learning	IT	1,398,000	1,398,000	
22	Purchase Instructional Tech Initiatives	EQ	2,484,000	2,484,000	
23	Upgrade Administrative Office Systems	IT	4,000,000	4,000,000	
24	Upgrade Instructional PCs/LANS/Peripherals	IT	5,000,000	5,000,000	
25	Capital Renewal and Maintenance Pool E&G	C-PI	6,259,000	6,259,000	
26	Reconstruct Central Campus	C-O	2,810,000	2,810,000	
27	Construct University Welcome Center/Alumni House	C-O	9,711,000	3,711,000	6,000,000 OT-P
2014-2016 Total			232,674,000	220,529,000	12,145,000

Morehead State University (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	Acquire Land Related to Master Plan	C-O	4,000,000	4,000,000	
	Campus Drainage Project	C-PI	12,000,000	12,000,000	
	Capital Renewal and Maintenance Pool E&G	C-PI	1,317,000	1,317,000	
	Comply with ADA E&G	C-PI	5,002,000	5,002,000	
	Construct General Office Building	C-O	9,051,000	9,051,000	
	Construct Music Academic and Performance Building	C-O	95,502,000	90,502,000	5,000,000 OT-P
	Construct New Baseball/Softball Facility	C-O	10,810,000	10,810,000	
	Construct New Library Facility	C-O	78,395,000	78,395,000	
	Renovate Ginger Hall Classroom Building	C-PI	43,265,000	43,265,000	
	Renovate Jayne Stadium	C-PI	36,363,000	36,363,000	
	Renovate Laughlin Building and Wetherby Gym	C-O	12,656,000	12,656,000	
	Renovate Lloyd Cassity Building	C-PI	22,075,000	22,075,000	
	2016-2018 Total		306,708,000	301,708,000	5,000,000
2018-2020					
	Acquire Land Related to Master Plan	C-O	4,000,000	4,000,000	
	Capital Renewal and Maintenance Pool E&G	C-PI	3,104,000	3,104,000	
	Comply with ADA E&G	C-PI	4,470,000	4,470,000	
	Construct Facilities Management Office Complex	C-O	8,648,000	8,648,000	
	Construct Indoor Practice Facility	C-O	14,084,000	14,084,000	
	Expand Claypool Young Building	C-PI	3,217,000	3,217,000	
	Expand Life Safety E&G Facilities	C-PI	986,000	986,000	
	Renovate Academic Athletic Center	C-PI	26,874,000	26,874,000	
	Renovate Reed Hall	C-PI	23,293,000	23,293,000	
	2018-2020 Total		88,676,000	88,676,000	
	Grand Total		628,058,000	610,913,000	17,145,000

Morehead State University (continued)

Projects Involving Agency Bonds

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
2014-2016							
1			Comply with ADA Auxiliary	C-PI	3,460,000		AB
2			Construct Food Service/Retail & Parking Structure	C-O	20,395,000		AB/OT-P
3			Renovate Cartmell Residence Hall	C-PI	12,500,000		AB
4			Replace Exterior Precast Panels Nunn Hall	C-O	3,645,000		AB
2014-2016 Total					40,000,000	40,000,000	
2016-2018							
			Comply with ADA Auxiliary	C-PI	3,431,000		AB
2016-2018 Total					3,431,000	3,431,000	
2018-2020							
			Comply with ADA Auxiliary	C-PI	3,292,000		AB
2018-2020 Total					3,292,000	3,292,000	
Grand Total					46,723,000	46,723,000	

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

2014-2016							
			Capital Renewal and Maintenance Pool Auxiliary	C-PI	2,668,000		RF
			Construct Food Service/Retail and Parking Structure	C-O	20,395,000		AB/OT-P
			Construct Residential Facility at University Farm	C-O	2,735,000		OT
			Construct Student Residential Apartment Complex	C-O	28,000,000		OT-P
2014-2016 Total					93,798,000	93,798,000	
Grand Total					93,798,000	93,798,000	

Explanation Of Acronyms

ADA	Americans With Disabilities Act
E&G	Education And General
MCTC	Maysville Community And Technical College
MSU	Morehead State University

Murray State University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/Source(s)</u>
<u>Cab</u> <u>Ag</u>					
2014-2016					
1	Construct/Complete New Science Complex Final Phase	C-O	36,890,000	36,890,000	
2	Construct New Breathitt Veterinary Center	C-O	32,468,000	32,468,000	
3	Construct Madisonville Postsecondary Education Center (Add'l)	C-O	21,500,000	21,500,000	
4	Upgrade Campus Electrical Distribution System	C-PI	13,038,000	13,038,000	
5	Renovate Blackburn Science	C-PI	34,952,000	34,952,000	
6	Construct New University Library	C-O	69,725,000	69,725,000	
7	Replace Campus Steam Distribution System	C-PI	5,968,000	5,968,000	
8	Complete Life Safety Projects E&G Pool < \$600,000	C-PI	2,219,000	2,219,000	
9	Complete ADA Compliance E&G Pool < \$600,000	C-PI	6,035,000	6,035,000	
10	Complete Capital Renewal E&G Pool < \$600,000	C-PI	18,406,000	18,406,000	
11	Abate Asbestos E&G Pool < \$600,000	C-PI	397,000	397,000	
12	Upgrade Campus Phone and Data Network	IT	4,485,000	4,485,000	
13	Renovate Lovett Auditorium	C-PI	25,069,000	25,069,000	
14	Replace Expo Center Roof	C-PI	867,000	867,000	
15	Demolish Ordway Hall	C-PI	1,406,000	1,406,000	
16	Waterproof Stewart Stadium	C-PI	882,000	882,000	
17	Extend Energy Management System	C-PI	6,677,000	6,677,000	
18	Replace E&G Chiller/CFC Compliance	C-PI	965,000	965,000	
19	Replace Stewart Stadium Playing Surfaces	C-PI	1,402,000	701,000	701,000 RF
20	Construct Open-sided Stall Barn at Expo Center	C-O	1,203,000	1,203,000	
21	Construct Livestock Instructional Laboratory	C-O	2,145,000	2,145,000	
22	ITV Upgrade to Murray State System	IT	1,223,000	1,223,000	
23	Install Sprinkler System Blackburn Science Building	C-PI	1,264,000	1,264,000	
24	Renovate Pogue Library Electric and HVAC	C-PI	1,229,000	1,229,000	
25	Renovate Exposition Center	C-PI	8,922,000	8,922,000	
26	Campus Backbone 10 GigE Upgrade	IT	853,000	853,000	
27	Campus Desktop Virtualization	IT	1,898,000	1,898,000	
28	Replace Campus Communications Infrastructure (Fiber Ring)	C-PI	3,300,000	3,300,000	
29	Information Tech Infrastructure for TSM and IET	IT	625,000	625,000	
30	Upgrade Applied Science Electrical System	C-PI	1,285,000	1,285,000	
31	Student Desktop Virtualization	IT	1,265,000	1,265,000	
32	College of Science Instructional and Research Equipment	EQ	3,500,000	3,500,000	
33	Agriculture Instructional Laboratory and Technology Equipment	EQ	800,000	800,000	
34	Broadcasting Education Laboratory Equipment	EQ	225,000	225,000	
35	Demolish Woods Hall	C-PI	1,748,000	1,748,000	
2014-2016 Total			314,836,000	314,135,000	701,000

Murray State University (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other</u> <u>Funds/</u> <u>Source(s)</u>
2016-2018					
	Construct Agriculture Science & Technology Center	C-O	67,947,000	67,947,000	
	Construct Campus Parking Garage	C-O	13,089,000	13,089,000	
	Construct College of Business Building	C-O	73,017,000	73,017,000	
	Demolish Cutchin Field House/Racer Arena	C-O	3,276,000	3,276,000	
	Fine Arts Studio Equipment	EQ	500,000	500,000	
	Humanities and Fine Arts Instruction/Studio Equipment	EQ	250,000	250,000	
	Install Additional Chiller Heating and Cooling Plant	C-PI	1,116,000	1,116,000	
	Install Card-Operated Electronic Locks Academic Building	C-PI	12,758,000	12,758,000	
	Modernize Faculty Hall Elevator	C-PI	937,000	937,000	
	Music Education Equipment	EQ	500,000	500,000	
	Relocate North 16th Street	C-O	5,248,000	5,248,000	
	Renovate Applied Science Classrooms & Offices	C-PI	10,947,000	10,947,000	
	Renovate Buildings E&G Pool < \$600,000	C-PI	6,746,000	6,746,000	
	Renovate Pogue Library	C-PI	9,040,000	9,040,000	
	Renovate Waterfield Library for Multi-Use Service Center	C-PI	30,176,000	30,176,000	
	Renovate Woods Hall	C-PI	19,452,000	19,452,000	
	Upgrade E&G Building Fire Alarms	C-PI	991,000	991,000	
	Upgrade Sparks Hall Electrical System	C-PI	1,701,000	1,701,000	
	2016-2018 Total		257,691,000	257,691,000	
2018-2020					
	Construct Center for Applied and Basic Environmental Research	C-O	9,911,000	9,911,000	
	Construct Motor Pool Maintenance Facility	C-O	8,214,000	8,214,000	
	Install Baseball Field and Stadium Sidewalk Lights	C-O	1,109,000	1,109,000	
	Modernize Business Building Electric, HVAC, and Classrooms	C-PI	8,773,000	8,773,000	
	Renovate CFSB Center Electrical/Mechanical	C-PI	3,701,000	3,701,000	
	Renovate General Services HVAC System	C-PI	960,000	960,000	
	Renovate Mason Hall Labs/Classrooms/Systems/Etc.	C-PI	4,801,000	4,801,000	
	Renovate Wells Hall Interior	C-PI	6,246,000	6,246,000	
	Repair Stewart Stadium Structural	C-PI	4,230,000	4,230,000	
	Replace E&G Chiller/CFC Compliance	C-PI	826,000	826,000	
	Replace North Campus Complex Parking Lot	C-PI	1,021,000	1,021,000	
	Replace Waterfield Library HVAC and Mechanical System	C-PI	963,000	963,000	
	Replace/Retrofit Doyle Fine Arts HVAC and Energy	C-PI	1,577,000	1,577,000	
	Upgrade Wells Hall Electrical System	C-PI	1,207,000	1,207,000	
	2018-2020 Total		52,713,000	52,713,000	
	Grand Total		625,240,000	625,240,000	701,000

Murray State University (continued)

Projects Involving Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
1	Abate Asbestos: H&D Pool < \$600,000	C-PI	177,000		177,000 AB
2	Complete ADA Compliance H&D Pool < \$600,000	C-PI	659,000		659,000 AB
3	Complete Capital Renewal H&D Pool < \$600,000	C-PI	6,734,000		6,734,000 AB
4	Complete Life Safety Projects: H&D Pool<\$600,000	C-PI	590,000		590,000 AB
5	Construct Addition to Winslow Cafeteria	C-PI	1,200,000		1,200,000 AB
6	Renovate Buildings H&D Pool < \$600,000	C-PI	595,000		595,000 AB
7	Renovate Hart Hall Electrical System	C-PI	1,017,000		1,017,000 AB
8	Renovate Regents Hall Electrical System	C-PI	1,143,000		1,143,000 AB
9	Renovate White Hall	C-PI	11,906,000		11,906,000 AB
10	Renovate White Hall Electrical System	C-PI	1,015,000		1,015,000 AB
11	Renovate White Hall HVAC System	C-PI	1,576,000		1,576,000 AB
12	Renovate White Hall Interior	C-PI	1,184,000		1,184,000 AB
13	Replace Franklin Hall	C-O	28,953,000		28,953,000 AB
14	Replace White Hall Domestic Water Piping	C-PI	845,000		845,000 AB
2014-2016 Total			57,594,000		57,594,000
2016-2018					
	Renovate Franklin Hall HVAC System	C-PI	968,000		968,000 AB
	Renovate Franklin Hall Interior	C-PI	1,054,000		1,054,000 AB
	Renovate Hart Hall Interior	C-PI	2,109,000		2,109,000 AB
	Renovate Regents Hall HVAC System	C-PI	894,000		894,000 AB
	Renovate Regents Hall Interior	C-PI	1,408,000		1,408,000 AB
	Renovate Springer Hall HVAC and Electrical Systems	C-PI	1,787,000		1,787,000 AB
	Renovate Springer Hall Interior	C-PI	1,055,000		1,055,000 AB
	Renovate White Hall Electrical System	C-PI	836,000		836,000 AB
	Renovate White Hall HVAC System	C-PI	1,298,000		1,298,000 AB
	Renovate White Hall Interior	C-PI	975,000		975,000 AB
	Replace Franklin Hall Water Piping, Fixtures, Etc	C-PI	1,949,000		1,949,000 AB
	Replace Regents Hall Domestic Water Piping	C-PI	827,000		827,000 AB
	Replace Springer Hall	C-O	33,225,000		33,225,000 AB
	Replace Springer Hall Water Piping, Fixtures, Etc	C-PI	2,280,000		2,280,000 AB
2016-2018 Total			50,665,000		50,665,000
2018-2020					
	Renovate Hart Hall	C-PI	23,177,000		23,177,000 AB
	Renovate Regents Hall	C-PI	14,973,000		14,973,000 AB
2018-2020 Total			38,150,000		38,150,000
Grand Total			146,409,000		146,409,000

Murray State University (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Acquire Land	C-O	1,000,000		RF
	Establish Guaranteed Energy Savings Project Phase II	C-PI	15,879,000		OT-LTF
	Renovate Paducah Crisp Center	C-PI	1,300,000		RF
	2014-2016 Total		17,179,000	17,7179,00000	
2016-2018					
	Modify Pullen Farm Pavilion to Visitor Center	C-O	786,000		RF
	2016-2018 Total		786,000	786,000	
2018-2020					
	Construct Athletic Center	C-O	12,000,000		RF
	2018-2020 Total		12,000,000	12,000,000	
	Grand Total		29,965,000	29,965,000	

Explanation Of Acronyms

ADA	Americans With Disabilities Act
CFC	Chlorofluorocarbon
CSFB	Community Financial Services Bank
E&G	Education And General
H&D	Housing And Dining
HVAC	Heating, Ventilation, And Air Conditioning
IET	Industrial And Engineering Technology
ITV	Interactive Television
TSM	Telecommunication Systems Management

Northern Kentucky University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Renovate Old Science/Construct Health Innovation	C-O 97,000,000	97,000,000	
2		Renovate Civic Center Building Reauthorization	C-O 3,700,000	3,700,000	
3		Construct College of Business Building	C-O 65,000,000	65,000,000	
4		Replace Underground Gas Mains	C-PI 2,500,000	2,500,000	
5		Construct Chiller Plant Reauthorization	C-O 16,900,000	16,900,000	
6		Repair Floor Heaving Landrum/Fine Arts (Add'l)	C-PI 6,400,000	6,400,000	
7		Renovate Gateway/Highland Heights Campus (Add'l)	C-O 6,000,000	6,000,000	
8		Renew E&G Elevators 2014-2016 Reauthorization	C-PI 1,400,000	1,400,000	
9		Renew/Renovate Fine Arts Center Phase II	C-PI 66,000,000	66,000,000	
10		Enhance Administrative Systems Reauthorization	IT 2,500,000	2,500,000	
11		Enhance Instructional Technology	IT 2,500,000	2,500,000	
12		Upgrade Communication and Network Systems (Add'l)	IT 4,300,000	4,300,000	
13		Customer Relationship Management Systems	IT 750,000	750,000	
2014-2016 Total			274,950,000	274,950,000	
2016-2018					
		Construct Center for Legal Education	C-O 75,000,000	75,000,000	
		Renew Administrative Center	C-PI 43,000,000	43,000,000	
		Renew E&G Elevators 2016-2018	C-PI 1,120,000	1,120,000	
		Renew Old Power Plant	C-O 6,000,000	6,000,000	
		Renew Steely Library	C-PI 43,000,000	43,000,000	
		Renew University Center Phase III	C-O 14,000,000	14,000,000	
		Renew/Renovate Landrum Hall	C-PI 40,000,000	40,000,000	
		Renew/Renovate MEP Center	C-PI 43,000,000	43,000,000	
		Renew/Renovate Regents Hall	C-PI 7,700,000	7,700,000	
		Repair Floor Heaving Nunn and Business Academic Center	C-PI 6,000,000	6,000,000	
2016-2018 Total			278,820,000	278,820,000	
2018-2020					
		Expand Herrmann Science Center	C-O 60,000,000	60,000,000	
		Renew Business Academic Center	C-PI 38,000,000	38,000,000	
		Renew/Renovate Nunn Hall	C-PI 40,000,000	40,000,000	
2018-2020 Total			138,000,000	138,000,000	
Grand Total			691,770,000	691,770,000	

Northern Kentucky University (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Acquire Land/Master Plan 2014-2016	C-O	23,000,000	23,000,000 AB
2		Construct Satellite Parking Lot	C-O	4,200,000	4,200,000 AB
3		Expand University Drive Parking Garage	C-O	15,000,000	15,000,000 AB
4		Expand/Renovate Albright Health Center	C-O	70,000,000	70,000,000 AB
2014-2016 Total			164,275,000	164,275,000	
2016-2018					
		Acquire Land/Master Plan 2016-2018	C-O	20,000,000	20,000,000 AB
		Construct/Acquire New Residence Hall 2016-2018	C-O	33,500,000	33,500,000 AB
		Expand Kenton Drive Parking Garage	C-O	20,500,000	20,500,000 AB
2016-2018 Total			77,600,000	77,600,000	
2018-2020					
		Acquire Land/Master Plan 2018-2020	C-O	25,000,000	25,000,000 AB
		Construct New Baseball Stadium	C-O	12,100,000	12,100,000 AB
		Construct Parking Garage #4	C-O	28,100,000	28,100,000 AB
		Construct/Acquire New Residence Hall 2018-2020	C-O	35,500,000	35,500,000 AB
2018-2020 Total			100,700,000	100,700,000	
Grand Total			342,575,000	342,575,000	

Northern Kentucky University (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Construct Alumni Center Reauthorization	C-O	10,500,000	10,500,000	OT-P
	Construct Athletics Practice Facility (Add'l)	C-O	10,500,000	10,500,000	OT-P
	Construct Center for Applied Ecology Building	C-O	2,000,000	2,000,000	RF
	Construct Indoor Track/Multipurpose Facility	C-O	12,000,000	12,000,000	OT-P
	Develop Town/Gown Project	C-O	86,500,000	86,500,000	OT-P
	Guaranteed Energy Savings Performance Contracts	C-PI	600,000	600,000	OT-LTF
	Initiate Phase II of Master Plan Reauthorization	C-O	3,500,000	3,500,000	RF
	Lease/Purchase Coach Bus Reauthorization	EQ	690,000	690,000	OT-LTF
	Lease/Purchase Large Format Color Press Reauthorization	EQ	375,000	375,000	OT-LTF
	Relocate High Voltage Utilities	C-O	4,500,000	4,500,000	RF
	Renovate Brown Building	C-PI	4,500,000	4,500,000	RF/OT-P
	Renovate Residence Halls 2014-2016	C-O	2,500,000	2,500,000	RF
	Renovate/Expand Baseball Field Reauthorization	C-O	4,600,000	4,600,000	OT-LTF
	Replace Callahan Roof (Add'l)	C-PI	1,200,000	1,200,000	RF
	2014-2016 Total		143,965,000	143,965,000	
2016-2018					
	Construct Track and Field Stadium	C-O	11,400,000	11,400,000	OT-P
	Enhance Softball & Tennis Complex	C-O	5,800,000	5,800,000	OT-LTF
	Renovate Residence Halls 2016-2018	C-O	2,500,000	2,500,000	RF
	2016-2018 Total		19,700,000	19,700,000	
2018-2020					
	Renovate Residence Halls 2018-2020	C-O	2,500,000	2,500,000	RF
	2018-2020 Total		2,500,000	2,500,000	
	Grand Total		166,165,000	166,165,000	

Explanation Of Acronyms

E&G Education And General

University Of Kentucky

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total Budget</u>	<u>General Funds</u>	<u>Other Funds/ Source(s)</u>
2014-2016							
1			Renovate/Upgrade Academic Learning Center	C-PI	45,000,000	45,000,000	
2			Construct Library Depository Facility	C-O	15,000,000	15,000,000	
3			Renovate/Upgrade McVey Hall	C-PI	23,100,000	23,100,000	
4			Expand/Renovate/Upgrade Law Building	C-PI	60,000,000	30,000,000	30,000,000 OT-P
5			Capital Renewal Maintenance Pool	C-PI	33,750,000	33,750,000	
6			Renovate/Upgrade Campus Core Quadrangle Facility	C-PI	30,000,000	30,000,000	
7			Renovate Space for Testing Center	C-PI	1,000,000	1,000,000	
8			Expand/Renovate Kastle Hall	C-PI	22,327,000	22,327,000	
9			Renovate Funkhouser Building Phase II	C-PI	28,300,000	28,300,000	
10			Renovate Taylor Education Building	C-PI	10,000,000	10,000,000	
11			Repair/Upgrade/Improve Electrical Infrastructure	C-PI	28,000,000	28,000,000	
12			Repair/Upgrade/Improve Mechanical Infrastructure	C-PI	26,000,000	26,000,000	
13			Repair Emergency Infrastructure/Building Systems	C-PI	25,000,000	25,000,000	
14			Repair/Upgrade/Improve Building Mechanical Systems	C-PI	25,000,000	25,000,000	
15			Repair/Upgrade/Improve Building Shell Systems	C-PI	5,000,000	5,000,000	
16			Repair/Upgrade/Improve Building Electrical Systems	C-PI	5,000,000	5,000,000	
17			Repair/Upgrade/Improve Building Elevator Systems	C-PI	5,000,000	5,000,000	
18			Handicapped Access Pool	C-PI	5,000,000	5,000,000	
2014-2016 Total					330,850,000	300,850,000	30,000,000
2016-2018							
			Capital Renewal Maintenance Pool	C-PI	33,750,000	33,750,000	
			Construct Center for Design Innovation	C-O	39,800,000	39,800,000	
			Construct College of Medicine Academic Building	C-O	104,000,000	104,000,000	
			Construct Environmental & Natural Science Facility	C-O	61,600,000	61,600,000	
			Construct Library/Knowledge Center	C-O	183,800,000	183,800,000	
			Construct Marching Band Hall and Practice Field	C-O	20,000,000	20,000,000	
			Construct Office/Lecture Building	C-O	28,925,000	28,925,000	
			Construct Public Health Building	C-O	40,500,000	24,908,000	15,592,000 OT-P
			Construct Science Research Building #3	C-O	217,500,000	134,253,000	83,247,000 OT-P
			Construct Washington Avenue Building #1	C-O	55,000,000	55,000,000	
			Design Library/Knowledge Center	C-O	20,700,000	20,700,000	
			Expand/Renovate Fine Arts Building and Singletary Center	C-PI	125,000,000	125,000,000	
			Handicapped Access Pool	C-PI	5,000,000	5,000,000	
			Improve Life Safety Project Pool	C-PI	2,000,000	2,000,000	
			Renovate Bradley Hall	C-PI	8,975,000	8,975,000	
			Renovate King Library South 1930 section	C-PI	30,000,000	30,000,000	
			Repair/Upgrade/Improve Building Electrical Systems	C-PI	5,000,000	5,000,000	
			Repair/Upgrade/Improve Building Elevator Systems	C-PI	5,000,000	5,000,000	
			Repair/Upgrade/Improve Building Mechanical Systems	C-PI	25,000,000	25,000,000	
			Repair/Upgrade/Improve Building Shell Systems	C-PI	5,000,000	5,000,000	
			Repair/Upgrade/Improve Electrical Infrastructure	C-PI	28,000,000	28,000,000	
			Repair/Upgrade/Improve Mechanical Infrastructure	C-PI	26,000,000	26,000,000	
			Upgrade Fume Hood in Combs Building Life Safety	C-PI	3,750,000	3,750,000	
			Upgrade Fume Hoods Life Safety	C-PI	20,175,000	20,175,000	

University Of Kentucky (continued)

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
	Upgrade Pharmacy Fume Hood I Life Safety	C-PI	9,720,000	9,720,000	
	2016-2018 Total		1,104,195,000	1,005,356,000	98,839,000
2018-2020					
	Acquire & Renovate Facility for UK Art Museum	C-O	20,000,000	20,000,000	
	Capital Renewal Maintenance Pool	C-PI	33,750,000	33,750,000	
	Construct Digital Village Bldg #4	C-O	27,700,000	27,700,000	
	Construct Human Sciences Building	C-O	60,600,000	60,600,000	
	Construct Kentucky Natural Resource Center	C-O	78,500,000	78,500,000	
	Construct Science Research Building #4	C-O	216,300,000	216,300,000	
	Expand College of Communication and Information Studies	C-O	24,320,000	24,320,000	
	Handicapped Access Pool	C-PI	5,000,000	5,000,000	
	Improve Life Safety Project Pool	C-PI	3,500,000	3,500,000	
	Repair/Upgrade/Improve Building Electrical Systems	C-PI	5,000,000	5,000,000	
	Repair/Upgrade/Improve Building Elevator Systems	C-PI	5,000,000	5,000,000	
	Repair/Upgrade/Improve Building Mechanical Systems	C-PI	22,500,000	22,500,000	
	Repair/Upgrade/Improve Building Shell Systems	C-PI	5,000,000	5,000,000	
	Repair/Upgrade/Improve Electrical Infrastructure	C-PI	28,000,000	28,000,000	
	Repair/Upgrade/Improve Mechanical Infrastructure	C-PI	26,000,000	26,000,000	
	Sprinkle Buildings Life Safety	C-PI	10,750,000	10,750,000	
	2018-2020 Total		571,920,000	571,920,000	
	Grand Total		2,006,965,000	1,878,126,000	128,839,000

University Of Kentucky (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Construct Baseball Facility	C-O	40,000,000	40,000,000 AB
2		Construct Parking Structure Athletics/Academic Facility	C-O	50,000,000	50,000,000 AB
3		Construct Satellite Student Center	C-O	76,400,000	76,400,000 AB
4		Construct/Renovate/Upgrade Dining Facilities 1	C-O	40,000,000	40,000,000 AB
5		Construct/Renovate/Upgrade Dining Facilities 2	C-O	50,000,000	50,000,000 AB
6		Fit-up Academic Science Building	C-O	25,000,000	25,000,000 AB
7		Lease-Purchase Student Dining Facility 3	C-O	50,000,000	50,000,000 AB
8		Lease-Purchase Construct Parking Structure #9	C-O	45,000,000	45,000,000 AB
9		Renovate Dentistry Major Facility Needs	C-PI	16,800,000	16,800,000 AB
10		Renovate/Expand University Student Center	C-O	165,000,000	165,000,000 AB
11		Upgrade Student Center Infrastructure	C-O	18,968,000	18,968,000 AB
2014-2016 Total				577,168,000	577,168,000
2016-2018					
		Sanitary Sewer Expansion	C-O	14,000,000	14,000,000 AB
2016-2018 Total				14,000,000	14,000,000
2018-2020					
		Renovate Dental Student Clinics	C-PI	3,500,000	3,500,000 AB
		Repair/Upgrade/Improve Civil/Site Infrastructure	C-PI	14,000,000	14,000,000 AB
2018-2020 Total				17,500,000	17,500,000
Grand Total				608,668,000	608,668,000

University Of Kentucky (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Acquire Land	C-O	50,000,000	50,000,000	RF
	Acquire/Renovate Academic Facilities	C-O	25,000,000	25,000,000	RF
	Construct Baseball Facility	C-O	40,000,000	40,000,000	RF
	Construct Central Emergency Response Center	C-PI	2,370,000	2,370,000	RF
	Construct Equine Campus Phase II	C-O	9,500,000	9,500,000	RF
	Construct Parking Structure Athletics/Academic Facility	C-O	50,000,000	50,000,000	OT-P
	Construct Transit Center	C-O	5,000,000	5,000,000	RF
	Construct University Storage Building	C-O	6,000,000	6,000,000	RF
	Construct WUKY Facility	C-O	3,910,000	3,910,000	RF
	Document Imaging (ASG)	EQ	775,000	775,000	RF
	Emerging Technologies Academic Support	IT	2,000,000	2,000,000	RF
	Expand Boone Tennis Center	C-O	8,000,000	8,000,000	OT-P
	Expand KGS Well Sample & Core Repository	C-O	5,280,000	5,280,000	RF
	Expand/Renovate Kastle Hall	C-PI	22,327,000	22,327,000	RF
	Expand/Renovate Sturgill Development Building	C-O	2,130,000	2,130,000	RF
	Expand/Renovate Western KY and Robinson Station	C-O	9,835,000	9,835,000	RF
	Expand/Upgrade Coldstream Research Campus	C-PI	20,000,000	20,000,000	RF
	Fit-Up Academic/Administrative Space	C-O	10,000,000	10,000,000	RF
	Guaranteed Energy Performance Contract Athletic	C-PI	600,000	600,000	RF
	Guaranteed Energy Performance Contract General	C-PI	600,000	600,000	RF
	Guaranteed Energy Performance Contract Housing	C-PI	600,000	600,000	RF
	Guaranteed Energy Performance Contract Parking	C-PI	600,000	600,000	RF
	Improve Life Safety Project Pool	C-PI	15,000,000	15,000,000	RF
	Install Artificial Turf on Pieratt Recreational	C-PI	2,795,000	2,795,000	RF
	Lease/Purchase/Acquire Off-Campus Office Building	C-O	10,000,000	10,000,000	OT-LTF
	Lease/Purchase Campus Call Center System	IT	750,000	750,000	RF
	Lease/Purchase Communications Equipment	IT	1,500,000	1,500,000	RF
	Lease/Purchase/Construct Student Housing	C-O	202,000,000	202,000,000	OT-LTF
	Lease/Purchase Data Repository System	IT	5,000,000	5,000,000	RF
	Lease/Purchase Data Warehouse/Infrastructure	IT	1,800,000	1,800,000	RF
	Lease/Purchase Enterprise Storage System	IT	2,200,000	2,200,000	RF
	Lease/Purchase Exchange Replacement	IT	1,000,000	1,000,000	RF
	Lease/Purchase High Performance Research Computer	IT	6,500,000	6,500,000	RF
	Lease/Purchase Large Scale Computing	IT	5,500,000	5,500,000	RF
	Lease/Purchase Network Security Hardware (IT Pool)	IT	1,500,000	1,500,000	RF
	Lease/Purchase Wireless/Cellular Infrastructure	IT	3,000,000	3,000,000	RF
	Purchase Document Scanning System	IT	10,000,000	10,000,000	RF
	Purchase Telephone System Replacement	IT	3,000,000	3,000,000	RF
	Purchase Transport Buses	EQ	2,000,000	2,000,000	RF
	Purchase Upgraded Communications Infrastructure 1	IT	2,500,000	2,500,000	RF
	Purchase Upgraded Communications Infrastructure 2	IT	2,500,000	2,500,000	RF
	Purchase/Upgrade Pollution Controls	C-PI	22,000,000	22,000,000	RF
	Purchase Upgraded Integrated Library System	IT	1,200,000	1,200,000	RF
	Remote Site Fiber	C-O	2,000,000	2,000,000	RF
	Renovate Alumni Gym and/or North Recreation Center	C-PI	14,500,000	14,500,000	RF

University Of Kentucky (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
		Renovate Central Computing Facility	C-PI	5,000,000	5,000,000 RF
		Renovate Chemistry/Physics Building	C-PI	5,000,000	5,000,000 RF
		Renovate Dickey Hall Library	C-PI	1,500,000	1,500,000 RF
		Renovate Fine Arts	C-PI	5,000,000	5,000,000 RF
		Renovate Funkhouser Building	C-PI	28,300,000	28,300,000 RF
		Renovate King Library	C-PI	5,000,000	5,000,000 RF
		Renovate Memorial Hall	C-PI	5,000,000	5,000,000 RF
		Renovate Mineral Industries Building	C-PI	4,900,000	4,900,000 RF
		Renovate Robotics Building	C-PI	3,842,000	3,842,000 RF
		Renovate Schmidt Vocal Arts Center	C-PI	2,000,000	2,000,000 RF
		Renovate Space for Testing Center	C-PI	1,000,000	1,000,000 RF
		Renovate Taylor Education Building	C-PI	10,000,000	10,000,000 RF
		Renovate/Upgrade Academic Facility	C-PI	16,000,000	16,000,000 RF
		Renovate/Upgrade Academic Space	C-O	25,000,000	25,000,000 RF
		Renovate/Upgrade Memorial Coliseum	C-PI	6,000,000	6,000,000 RF
		Renovate/Upgrade Pence Hall	C-PI	18,870,000	18,870,000 RF
		Repair Stadium Structure	C-O	2,500,000	2,500,000 OT-P
		Repair/Upgrade/Expand Central Plants	C-O	62,000,000	62,000,000 RF
		Research Equipment Replacement	EQ	30,000,000	30,000,000 RF
		Upgrade Enterprise Information System	IT	20,000,000	20,000,000 RF
		Upgrade/Improve & Expand Recreational Fields	C-O	25,000,000	25,000,000 RF
		Upgrade/Renovate Clean Room Space Coldstream	C-O	8,000,000	8,000,000 RF
		Upgrade/Renovate Multi-Disciplinary Science Building Phase II	C-PI	27,200,000	27,200,000 RF
		Upgrade/Renovate/Improve/Expand Research Labs	C-PI	33,500,000	33,500,000 RF
		Upgrade/Renovate/Modify/Expand Vivarium Facility	C-PI	9,000,000	9,000,000 RF
		2014-2016 Total		952,384,000	952,384,000

University Of Kentucky (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	Acquire Land	C-O	35,000,000	35,000,000	RF
	Campus Infrastructure Upgrade	C-O	3,500,000	3,500,000	RF
	Construct Digital Village Building #3	C-O	25,310,000	25,310,000	RF
	Construct Hall of Fame Plaza	C-O	2,500,000	2,500,000	OT-P
	Construct Medical Center Physical Plant Building	C-O	15,435,000	15,435,000	RF
	Construct Multi-Media Center	C-O	10,000,000	10,000,000	RF
	Construct New Alumni Center	C-O	14,685,000	14,685,000	RF
	Construct Police Headquarters Building	C-O	8,660,000	8,660,000	RF
	Expand/Renovate Lafferty Hall	C-O	10,205,000	10,205,000	RF
	Expand/Upgrade Coldstream Research Campus	C-PI	20,000,000	20,000,000	RF
	Lease/Purchase Campus Call Center System	IT	750,000	750,000	RF
	Lease/Purchase/Construct Parking Structure #10	C-O	32,000,000	32,000,000	OT-LTF
	Lease/Purchase/Construct Student Housing	C-O	100,000,000	100,000,000	OT-LTF
	Lease/Purchase Data Center Infrastructure Hardware	IT	1,000,000	1,000,000	RF
	Lease/Purchase Data Warehouse/Infrastructure	IT	1,800,000	1,800,000	RF
	Lease/Purchase ERP Phase V	IT	5,350,000	5,350,000	RF
	Lease/Purchase Expand Fiber Optics Infrastructure	IT	1,500,000	1,500,000	RF
	Lease/Purchase High Performance Research Comp	IT	6,500,000	6,500,000	RF
	Lease/Purchase Large Scale Computing	IT	5,500,000	5,500,000	RF
	Lease/Purchase Network Security Hardware	IT	1,500,000	1,500,000	RF
	Lease/Purchase SAP Processor	IT	1,500,000	1,500,000	RF
	Lease/Purchase Storage Addition/Replacement	IT	2,000,000	2,000,000	RF
	Relocate/Replace Greenhouses	C-O	8,425,000	8,425,000	RF
	Renovate Cooper House	C-PI	1,810,000	1,810,000	RF
	Renovate Education Space in the Seaton Center	C-PI	3,790,000	3,790,000	RF
	Renovate Erikson Hall	C-PI	10,875,000	10,875,000	RF
	Renovate Slone Building Phase I	C-PI	5,445,000	5,445,000	RF
	Renovate Whalen Building	C-PI	5,520,000	5,520,000	RF
	Renovate/Expand Johnson Center	C-O	16,550,000	16,550,000	RF
	Repair/Upgrade/Expand Central Plants	C-O	62,000,000	62,000,000	RF
	Sprinkle Scovell Hall Life Safety	C-PI	900,000	900,000	RF
	Upgrade/Renovate Singletary Center	C-PI	1,500,000	1,500,000	RF
	Upgrade/Renovate/Improve/Expand Research Labs	C-PI	33,500,000	33,500,000	RF
	2016-2018 Total		497,740,000	497,740,000	

University Of Kentucky (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2018-2020					
	Acquire Land	C-O	35,000,000		35,000,000 RF
	Campus Infrastructure Upgrade	C-O	3,500,000		3,500,000 RF
	Construct University Conference Center	C-O	31,870,000		31,870,000 RF
	Expand Arboretum Visitor Center Phase I Addition	C-O	3,763,000		3,763,000 OT-P
	Expand/Upgrade Coldstream Research Campus	C-PI	20,000,000		20,000,000 RF
	Lease/Purchase Campus Call Center System	IT	750,000		750,000 RF
	Lease/Purchase/Construct Parking Structure #11	C-O	51,000,000		51,000,000 RF
	Lease/Purchase/Construct Student Housing	C-O	100,000,000		100,000,000 OT-LTF
	Lease/Purchase Data Center Infrastructure Hardware	IT	1,000,000		1,000,000 RF
	Lease/Purchase Data Warehouse/Infrastructure	IT	1,800,000		1,800,000 RF
	Lease/Purchase ERP Phase VI	IT	5,350,000		5,350,000 RF
	Lease/Purchase Expand Fiber Optics Infrastructure	IT	1,500,000		1,500,000 RF
	Lease/Purchase High Performance Research Comp.	IT	6,500,000		6,500,000 RF
	Lease/Purchase Large Scale Computing	IT	5,500,000		5,500,000 RF
	Lease/Purchase Network Security Hardware	IT	1,500,000		1,500,000 RF
	Lease/Purchase Processor (replacement)	IT	1,500,000		1,500,000 RF
	Lease/Purchase Storage Addition/Replacement	IT	2,000,000		2,000,000 RF
	Renovate Slone Building Phase II	C-PI	5,445,000		5,445,000 RF
	Renovate/Upgrade Miller Hall	C-PI	7,000,000		7,000,000 RF
	Repair/Upgrade/Expand Central Plants	C-O	62,000,000		62,000,000 RF
	Upgrade/Renovate/Improve/Expand Research Labs	C-PI	35,000,000		35,000,000 RF
	2018-2020 Total		381,978,000		381,978,000
	Grand Total		1,832,102,000		1,832,102,000

Explanation Of Acronyms

ASG	Administrative Systems Group
ERP	Enterprise Resource Planning
IT	Information Technology
KGS	Kentucky Geological Survey
SAP	Systems, Applications, And Products

University Of Kentucky Hospital

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Expand Patient Care Facility Phase IV	250,000,000		250,000,000 AB
2014-2016 Total			250,000,000		250,000,000
Grand Total			250,000,000		250,000,000

University Of Kentucky Hospital (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Construct Good Samaritan Medical Office Building	C-O	23,700,000		23,700,000 RF
	Construct Office Tower	C-O	95,600,000		95,600,000 RF
	Construct/Expand/Renovate Ambulatory Care	C-O	20,000,000		20,000,000 RF
	Construct/Upgrade/Fit-Up Support Services	C-O	3,500,000		3,500,000 RF
	Implement Enterprise Security System	IT	10,000,000		10,000,000 RF
	Implement Land Use Plan	C-O	20,000,000		20,000,000 RF
	Implement Medication Bar Coding System	IT	10,000,000		10,000,000 RF
	Implement Patient Communication System	IT	10,000,000		10,000,000 RF
	Implement Real Time Locator System	IT	5,000,000		5,000,000 RF
	Implement Revenue Management System	IT	35,000,000		35,000,000 RF
	Implement Unified Communication System	IT	3,000,000		3,000,000 RF
	Lease/Purchase/Construct/Fit-Up Retail Space	C-O	4,000,000		4,000,000 OT-LTF
	Lease/Purchase Mainframe Computer	IT	3,000,000		3,000,000 OT-LTF
	Lease/Purchase Personal Electronic Health Records	IT	5,000,000		5,000,000 RF
	Lease/Purchase Replace/Upgrade Perioper Information System	IT	3,000,000		3,000,000 RF
	Lease/Purchase Telemedicine/Virtual ICU	IT	10,000,000		10,000,000 RF
	Lease/Purchase/Upgrade IT System	IT	10,000,000		10,000,000 RF
	Purchase Allergy Information System	IT	1,000,000		1,000,000 RF
	Purchase Cardiology Information System	IT	4,000,000		4,000,000 RF
	Purchase Clinical Information System	IT	10,000,000		10,000,000 RF
	Purchase Digital Medical Record Expansion	IT	10,000,000		10,000,000 RF
	Purchase Document Scanning System	IT	10,000,000		10,000,000 RF
	Purchase Oncology Information System	IT	5,000,000		5,000,000 RF
	Purchase Telephone System Replacement	IT	3,000,000		3,000,000 RF
	Purchase/Expand Picture Archiving and Communication	IT	5,000,000		5,000,000 RF
	Renovate Nursing Units	C-PI	6,000,000		6,000,000 RF
	Renovate/Expand Clinical Services	C-PI	15,000,000		15,000,000 RF
	Renovate/Upgrade Hospital Facility Good Samaritan	C-PI	10,000,000		10,000,000 RF
	Repair/Upgrade/Improve Building Systems	C-PI	20,000,000		20,000,000 RF
	Replace/Upgrade Radiology Information System	IT	2,000,000		2,000,000 RF
	Upgrade Clinical Enterprise Network	IT	6,500,000		6,500,000 RF
	Upgrade Enterprise Information Systems	IT	20,000,000		20,000,000 RF
	Upgrade/Expand Cancer Treatment Facility	C-O	20,000,000		20,000,000 RF
	Upgrade/Fit-up Hospital Facilities	C-PI	35,000,000		35,000,000 RF
	Upgrade/Renovate Surgical Services	C-PI	5,000,000		5,000,000 RF
	2014-2016 Total		458,300,000		458,300,000
2016-2018					
	Construct Ambulatory Facility	C-O	50,000,000		50,000,000 RF
	Construct Data Center	C-O	40,000,000		40,000,000 RF
	Construct Hospice Facility	C-O	4,000,000		4,000,000 RF
	Construct/Expand/Renovate Ambulatory Care	C-O	15,000,000		15,000,000 RF
	Construct/Upgrade/Fit-Up Support Services	C-O	3,675,000		3,675,000 RF

University Of Kentucky Hospital (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
	Implement Land Use Plan	C-O	5,000,000		5,000,000 RF
	Lease/Purchase Data Center Hardware	IT	15,000,000		15,000,000 OT-LTF
	Lease/Purchase Data Repository System	IT	5,000,000		5,000,000 RF
	Lease/Purchase/Fit-up Hospital Dining Facilities/Equipment	C-O	17,000,000		17,000,000 OT-LTF
	Lease/Purchase/Upgrade IT System	IT	10,000,000		10,000,000 RF
	Purchase Clinical Information System	IT	10,000,000		10,000,000 RF
	Renovate Diagnostic Treatment Services	C-PI	2,500,000		2,500,000 RF
	Renovate Nursing Units	C-PI	4,000,000		4,000,000 RF
	Renovate/Expand Clinical Services	C-PI	15,000,000		15,000,000 RF
	Renovate/Upgrade Hospital Facility Good Samaritan	C-PI	10,000,000		10,000,000 RF
	Repair/Upgrade/Improve Building Systems	C-PI	10,000,000		10,000,000 RF
	Upgrade Clinical Enterprise Network	IT	6,500,000		6,500,000 RF
	Upgrade Enterprise Information Systems	IT	20,000,000		20,000,000 RF
	Upgrade/Fit-up Hospital Facilities	C-PI	10,000,000		10,000,000 RF
	Upgrade/Relocate Pediatric Critical Care	C-O	10,000,000		10,000,000 RF
	Upgrade/Renovate Surgical Services	C-PI	5,000,000		5,000,000 RF
	2016-2018 Total		267,675,000		267,675,000
2018-2020					
	Construct Freestanding Clinic	C-O	36,000,000		36,000,000 RF
	Construct/Expand/Renovate Ambulatory Care	C-O	15,000,000		15,000,000 RF
	Construct/Fit-Up Retail Space	C-O	4,000,000		4,000,000 RF
	Construct/Renovate/Fit-up Physicians Service Facility	C-O	2,000,000		2,000,000 RF
	Construct/Upgrade/Fit-Up Support Services	C-O	4,000,000		4,000,000 RF
	Expand Patient Care Facility Phase V	C-O	100,000,000		100,000,000 RF
	Expand/Construct Parking Structure	C-O	31,600,000		31,600,000 RF
	Implement Energy Performance Contracting	C-O	600,000		600,000 RF
	Implement Land Use Plan	C-O	5,000,000		5,000,000 RF
	Lease/Purchase/Upgrade IT System	IT	10,000,000		10,000,000 RF
	Purchase Clinical Information System	IT	10,000,000		10,000,000 RF
	Purchase Digital Medical Record Expansion	IT	10,000,000		10,000,000 RF
	Renovate Nursing Units	C-PI	2,000,000		2,000,000 RF
	Renovate Parking Structure #3	C-PI	3,500,000		3,500,000 RF
	Renovate/Expand Clinical Services	C-PI	20,000,000		20,000,000 RF
	Renovate/Upgrade Good Samaritan Cafeteria	C-PI	1,500,000		1,500,000 RF
	Renovate/Upgrade Hospital Facility Good Samaritan	C-PI	10,000,000		10,000,000 RF
	Repair/Upgrade/Improve Building Systems	C-PI	10,000,000		10,000,000 RF
	Upgrade Clinical Enterprise Network	IT	6,500,000		6,500,000 RF
	Upgrade Enterprise Information Systems	IT	20,000,000		20,000,000 RF
	Upgrade/Fit-up Hospital Facilities	C-PI	10,000,000		10,000,000 RF
	Upgrade/Relocate Critical Care Facility	C-O	10,000,000		10,000,000 RF
	Upgrade/Renovate Surgical Services	C-PI	5,000,000		5,000,000 RF
	2018-2020 Total		326,700,000		326,700,000
	Grand Total		1,052,675,000		1,052,675,000

University Of Louisville

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u>				<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016						
1		Construct Belknap Classroom/Academic Building	C-O	80,560,000	80,560,000	
2		Construct Instructional Building	C-O	71,730,000	35,865,000	35,865,000 AB
3		Renovate Capital Renewal Pool 2014-2016	C-PI	68,487,000	68,487,000	
4		Expand and Renovate Life Sciences Building	C-PI	72,015,000	72,015,000	
2014-2016 Total				292,792,000	256,927,000	35,865,000
2016-2018						
		Construct Belknap Research/Academic Conn Center	C-O	100,130,000	100,130,000	
		Construct HSC Research Facility V	C-O	181,300,000	181,300,000	
		Construct Shelbyhurst Research Building	C-O	63,580,000	63,580,000	
		Expand - School of Public Health & Info Sciences	C-O	11,610,000	11,610,000	
		Renovate Capital Renewal Pool 2016-2018	C-PI	17,168,000	17,168,000	
2016-2018 Total				373,788,000	373,788,000	
2018-2020						
		Construct Belknap Research Building II	C-O	88,120,000	88,120,000	
		Renovate Capital Renewal Pool 2018-2020	C-PI	11,576,000	11,576,000	
2018-2020 Total				99,696,000	99,696,000	
Grand Total				766,276,000	730,411,000	35,865,000

University Of Louisville (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Expand and Renovate Student Activities Center	C-O	21,460,000	21,460,000 AB
2		Purchase Land Support Service Northeast Quad	C-O	15,600,000	15,600,000 AB
3		Renovate Belknap Office Building	C-O	8,045,000	8,045,000 AB
4		Renovate Guaranteed Energy Savings 2014-2016	C-O	10,000,000	10,000,000 AB
5		Renovate Medical Dental Research Infrastructure	C-PI	10,406,000	10,406,000 AB
6		Renovate Medical School Tower Lab/Infrastructure Renewal	C-PI	34,500,000	34,500,000 AB
2014-2016 Total			100,011,000	100,011,000	
2016-2018					
		Construct Belknap Parking Garage II	C-O	43,925,000	43,925,000 AB
		Construct Chestnut Street Garage Speed Ramp	C-O	945,000	945,000 AB
		Construct HSC Parking Structure III	C-O	46,680,000	46,680,000 AB
		Construct Residence Hall	C-O	44,450,000	44,450,000 AB
		Renovate Medical School Tower Office/Infrastructure Renewal	C-PI	18,964,000	18,964,000 AB
2016-2018 Total			154,964,000	154,964,000	
Grand Total			254,975,000	254,975,000	

University Of Louisville (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2014-2016					
	Construct Administrative Office Building	C-O	51,245,000		51,245,000 RF
	Construct Artificial Turf Field for Intramural	C-O	733,000		733,000 RF
	Construct Athletic Academic Support Facility	C-O	17,040,000		17,040,000 OT-P
	Construct Athletic Equipment/Apparel Storage Facility	C-O	750,000		750,000 OT-P
	Construct Athletic Grounds Building	C-O	1,500,000		1,500,000 OT-P
	Construct Athletics Office Building	C-O	7,400,000		7,400,000 RF
	Construct Belknap 3rd Street Improvements	C-O	2,180,000		2,180,000 RF
	Construct Belknap Brandeis Corridor Improvements	C-O	3,100,000		3,100,000 RF
	Construct Belknap Center Place Plaza	C-O	8,840,000		8,840,000 RF
	Construct Belknap Century Corridor Improvements	C-O	990,000		990,000 RF
	Construct Belknap Floyd Street Corridor Improvements	C-O	3,930,000		3,930,000 RF
	Construct Belknap Stormwater Improvements	C-O	5,000,000		5,000,000 RF
	Construct Center for Creative Studies	C-O	10,193,000		10,193,000 RF
	Construct Center for Social Change	C-O	13,610,000		13,610,000 OT-P
	Construct Center for the Performing Arts	C-O	76,660,000		76,660,000 RF
	Construct Clinical/Office Space in West End	C-O	3,949,000		3,949,000 RF
	Construct College of Business Courtyard/Cafe	C-O	1,819,000		1,819,000 RF
	Construct Executive MBA/Business Program	C-O	12,000,000		12,000,000 RF
	Construct Flexner Way Mall Floyd to Preston	C-O	1,720,000		1,720,000 RF
	Construct Flexner Way Mall Jackson to Hancock	C-O	780,000		780,000 RF/OT-P
	Construct Flexner Way Mall Preston to Jackson	C-O	890,000		890,000 RF/OT-P
	Construct HSC Steam/Chilled Water Plant II	C-O	36,300,000		36,300,000 RF
	Construct Intramural Field Complex	C-O	7,780,000		7,780,000 RF
	Construct IT Center Data Center	C-O	38,000,000		38,000,000 RF
	Construct Kosair Medical Office Building Fit-out	C-O	19,745,000		19,745,000 RF
	Construct Physical Plant Space in HSC Garage	C-O	2,440,000		2,440,000 RF
	Construct Utilities Remove Overhead Lines	C-O	10,750,000		10,750,000 RF
	Expand Chilled Water and Electrical Service Upgrade	C-PI	13,300,000		13,300,000 RF
	Expand Rauch Planetarium	C-O	3,352,000		3,352,000 FF
	Expand Sackett Hall	C-O	14,758,000		14,758,000 RF
	Expand Schnellenberger Football Complex	C-O	7,500,000		7,500,000 OT-P
	Expand and Renovate College of Education Building	C-PI	60,107,000		60,107,000 RF
	Expand Trager Indoor Practice Facility	C-O	1,000,000		1,000,000 OT-P
	Expand Ulmer Softball Stadium	C-O	2,600,000		2,600,000 OT-P
	Expand and Renovate College of Education Building	C-PI	48,190,000		48,190,000 RF
	Expand and Renovate Founders Union Building Phase II	C-PI	19,112,000		19,112,000 RF
	Lease Digital Output System	IT	2,500,000		2,500,000 RF
	Purchase Additive Microdeposition Machine	EQ	825,000		825,000 FF
	Purchase Artificial Turf Practice Field Facility	C-O	950,000		950,000 OT-P
	Purchase Automatic Bedding Dispensing & Removal	EQ	278,000		278,000 RF
	Purchase Biological Material Deposition Machine	EQ	600,000		600,000 FF
	Purchase Bulk Sterilizer	EQ	421,000		421,000 RF
	Purchase Cage and Rack Washer A Tower	EQ	220,000		220,000 RF
	Purchase Cage and Rack Washer x2 RRC	EQ	398,000		398,000 RF
	Purchase Cell Isolation System	EQ	600,000		600,000 RF

University Of Louisville (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>	<u>Project</u>	<u>Type</u>	<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u> <u>Ag</u>			<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
	Purchase Cell Processing Unit 1	EQ	750,000		750,000 RF
	Purchase Cell Processing Unit 2	EQ	750,000		750,000 RF
	Purchase Computer Processing System	IT	8,000,000		8,000,000 RF
	Purchase Console for 18.8 T Nuclear Magnetic R	EQ	900,000		900,000 RF
	Purchase CyTof Instrument	EQ	600,000		600,000 FF
	Purchase Dematic Robotic Retrieval System x2	EQ	2,426,000		2,426,000 RF
	Purchase Digital Communications System	IT	6,000,000		6,000,000 RF
	Purchase Digital Materials 3-D Printing System	EQ	300,000		300,000 FF
	Purchase Direct Metal Additive Fabrication Machine	EQ	650,000		650,000 FF
	Purchase Electronic Research Information System	IT	2,700,000		2,700,000 RF
	Purchase Enterprise Application System	IT	6,000,000		6,000,000 RF
	Purchase FACSaria II Special Order System	EQ	530,000		530,000 FF
	Purchase Fiber Infrastructure	IT	7,000,000		7,000,000 FF
	Purchase Fourier-Transform Mass Spectrometer	EQ	1,100,000		1,100,000 RF
	Purchase High Resolution Echocardiography System	EQ	350,000		350,000 FF
	Purchase High Resolution Triple TOF Mass Spectrometer	EQ	400,000		400,000 FF
	Purchase Imagine Eyes Adaptive Optic Retinal	EQ	200,000		200,000 FF
	Purchase Individually-Ventilated Caging System	EQ	600,000		600,000 RF
	Purchase Individually-Ventilated Caging System	EQ	597,000		597,000 RF
	Purchase IT Data Center Support Systems	IT	20,000,000		20,000,000 RF
	Purchase Land Near Belknap Campus-East	C-O	750,000		750,000 RF
	Purchase Land Near Belknap Campus North	C-O	8,320,000		8,320,000 RF
	Purchase Land Near Belknap Campus South	C-O	6,240,000		6,240,000 RF
	Purchase Land Near Floyd Street Parcel I	C-O	5,200,000		5,200,000 RF
	Purchase Land Near Floyd Street Parcel II	C-O	5,200,000		5,200,000 RF
	Purchase Land Near HSC Parcel I	C-PI	35,615,000		35,615,000 OT-P
	Purchase Land Near HSC Parcel II	C-O	6,275,000		6,275,000 RF
	Purchase Land Near HSC Parcel III	C-O	3,120,000		3,120,000 RF
	Purchase Land Near HSC Parcel IV	C-O	3,240,000		3,240,000 RF
	Purchase Large Frame Plastic Deposition Machine	EQ	750,000		750,000 FF
	Purchase Leica TCS SP8 Laser Confocal Scanning	EQ	250,000		250,000 FF
	Purchase Library Tables, Chairs, Wired Study C	EQ	275,000		275,000 RF
	Purchase MALDI-TOF Mass Spectrometer	EQ	500,000		500,000 FF
	Purchase Metal Evaporation System	EQ	250,000		250,000 FF
	Purchase Micron Diagnostic/Imaging System	EQ	200,000		200,000 FF
	Purchase Mobile Animal Runs	EQ	323,000		323,000 RF
	Purchase MOCVD System	EQ	450,000		450,000 FF
	Purchase MS-MS Tandem Mass Spectrometer	EQ	1,100,000		1,100,000 RF
	Purchase Multiphoton Microscope	EQ	500,000		500,000 RF
	Purchase Multispectral Imaging Flow Cytometer	EQ	390,000		390,000 RF
	Purchase Networking System	IT	8,000,000		8,000,000 RF
	Purchase Next Generation DNA Sequencer	EQ	525,000		525,000 RF
	Purchase Olympus Photon Microscope x2	EQ	719,000		719,000 RF
	Purchase PCs, Printers, Scanners for Libraries	IT	700,000		700,000 RF/OT-P
	Purchase PET Scanner	EQ	3,000,000		3,000,000 RF
	Purchase Quadruple Orbitrap Mass Spectrometer	EQ	500,000		500,000 FF

University Of Louisville (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u>	<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
			Purchase Research Computing Infrastructure	IT	7,000,000		7,000,000 RF
			Purchase Rodent Plastic Caging	EQ	398,000		398,000 RF
			Purchase Scanning Electron Microscope	EQ	400,000		400,000 FF
			Purchase Security and Firewall Infrastructure	IT	8,000,000		8,000,000 RF
			Purchase Soccer Stadium Video Boards	EQ	1,050,000		1,050,000 RF
			Purchase Storage System	IT	12,000,000		12,000,000 RF
			Purchase Super Resolution Confocal Microscope	EQ	750,000		750,000 FF
			Purchase Teleconferencing/Computer Equipment	IT	500,000		500,000 RF
			Purchase Tunnel Cage Washer A Tower	EQ	208,000		208,000 RF
			Purchase Two-Photon Imaging System	EQ	480,000		480,000 FF
			Purchase Two-Photon Laser Scanning Microscope	EQ	500,000		500,000 FF
			Purchase UHR-TOF Mass Spectrometer	EQ	500,000		500,000 FF
			Purchase Ultrasound Trainer 6 Sonosite Edge	EQ	490,000		490,000 RF
			Purchase Ultraview ERS 6FO Confocal Microscope	EQ	420,000		420,000 RF
			Purchase Visualization System (Planetarium)	IT	2,000,000		2,000,000 FF
			Renovate Abell Administration Building	C-PI	1,593,000		1,593,000 RF
			Renovate Ambulatory Care Building	C-PI	2,540,000		2,540,000 RF
			Renovate Belknap Playhouse	C-PI	3,510,000		3,510,000 RF
			Renovate Brown Cancer Center 4th Floor	C-PI	4,388,000		4,388,000 RF
			Renovate Burhans Hall	C-PI	17,000,000		17,000,000 OT-P
			Renovate Chemistry Fume Hood Redesign Phase II	C-PI	9,730,000		9,730,000 RF
			Renovate Chemistry Teaching Labs/Auditorium	C-PI	1,957,000		1,957,000 RF
			Renovate Code Improvement Pool	C-PI	12,822,000		12,822,000 RF
			Renovate College of Business Classrooms	C-PI	1,865,000		1,865,000 RF
			Renovate College of Business Green Roof	C-PI	1,030,000		1,030,000 RF
			Renovate Concentrated Care Building	C-PI	1,628,000		1,628,000 RF
			Renovate Delia Baxter Building Cleanroom	C-PI	3,100,000		3,100,000 RF
			Renovate Donald Baxter Building 2nd/3rd Floor Labs	C-PI	3,010,000		3,010,000 RF
			Renovate Donald Baxter Bldg Cleanroom Exp	C-PI	987,000		987,000 RF
			Renovate Dougherty Hall	C-PI	9,233,000		9,233,000 RF
			Renovate Ekstrom Library	C-PI	58,076,000		58,076,000 RF
			Renovate Football Practice Field Lighting	C-PI	750,000		750,000 OT-P
			Renovate Gross Anatomy Laboratory	C-PI	5,558,000		5,558,000 RF
			Renovate Housing Capital Renewal Pool	C-PI	1,795,000		1,795,000 RF
			Renovate HPES/Studio Arts Building	C-PI	9,850,000		9,850,000 RF
			Renovate HSC Instructional Building	C-PI	4,433,000		4,433,000 RF
			Renovate J.B. Speed Building	C-PI	12,862,000		12,862,000 RF
			Renovate Kornhauser Library	C-PI	21,980,000		21,980,000 RF
			Renovate Kosair Pediatrics Center Offices	C-PI	6,850,000		6,850,000 RF
			Renovate K-Wing 1st Floor Office Renovation	C-PI	5,000,000		5,000,000 RF
			Renovate K-Wing Classroom Renovation	C-PI	1,223,000		1,223,000 OT-P
			Renovate Kentucky Lions Eye Research Institute	C-PI	20,707,000		20,707,000 RF
			Renovate Law School	C-PI	36,081,000		36,081,000 RF
			Renovate Life Sciences Building Vivarium	C-PI	1,140,000		1,140,000 RF
			Renovate Middleton Auditorium	C-PI	700,000		700,000 RF
			Renovate Miller Hall Infrastructure	C-PI	750,000		750,000 RF
			Renovate Natural Science Building	C-PI	29,843,000		29,843,000 RF

University Of Louisville (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
	Renovate Oppenheimer Hall	C-PI	5,389,000		5,389,000 RF
	Renovate Papa John's Stadium Seat Replacement	C-PI	5,250,000		5,250,000 RF
	Renovate Research Resource Center	C-PI	15,325,000		15,325,000 RF
	Renovate Resurface Track and Cardio Path	C-PI	1,000,000		1,000,000 RF
	Renovate Schneider Hall	C-PI	21,836,000		21,836,000 RF
	Renovate Threlkeld Hall Infrastructure	C-PI	1,500,000		1,500,000 RF
	Renovate WS Speed Building	C-PI	17,196,000		17,196,000 RF
	Utility Distribution South Belknap Campus	C-O	12,416,000		12,416,000 RF
	2014-2016 Total		837,433,000		837,433,000
2016-2018					
	Construct Flexner Way Mall Hancock to Clay	C-O	1,560,000		1,560,000 RF
	Construct Shelbyhurst Hotel/Conference Center	C-O	18,000,000		18,000,000 OT-P
	Construct Shelbyhurst Parking Garage	C-O	28,000,000		28,000,000 OT-P
	Construct Shelbyhurst Research & Development Building	C-O	77,000,000		77,000,000 OT-P
	Construct Shelbyhurst Tech Center/Conference Facility	C-O	20,500,000		20,500,000 OT-P
	Construct Shelbyhurst Technology/Office Building	C-O	41,500,000		41,500,000 OT-P
	Renovate Bingham Humanities Building	C-PI	37,374,000		37,374,000 RF
	Renovate Gardiner Hall	C-PI	9,106,000		9,106,000 RF
	Renovate Gottschalk Hall	C-PI	4,140,000		4,140,000 RF
	Renovate Jouett Hall	C-PI	3,709,000		3,709,000 RF
	Renovate Sackett Hall	C-PI	10,440,000		10,440,000 RF
	2016-2018 Total		251,329,000		251,329,000
	Grand Total		1,088,762,000		1,088,762,000 0

Explanation Of Acronyms

HPES	Health And Physical Education Sciences	MS-MS	Tandem Mass Spectrometer
HSC	Health Science Center	PET	Positron Emission Tomography
IT	Information Technology	RRC	Research Resource Center
MBA	Masters Of Business Administration	TOF	Time Of Flight
MALDI-TOF	Matrix Assisted Laser Desorption/Ionization - Time Of Flight	UHR-TOF	Ultra High Resolution Time of Flight
MOCVD	Metal Organic Chemical Vapor Deposition		

Western Kentucky University

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other</u> <u>Funds/</u> <u>Source(s)</u>
2014-2016					
1	Renovate Science Campus Phase IV	C-PI	48,000,000	48,000,000	
2	Replace Underground Infrastructure Steam/Electric	C-PI	30,000,000	30,000,000	
3	Construct New Gordon Ford College of Business	C-O	77,200,000	77,200,000	
4	Construct Owensboro Technology Center Phase II	C-O	10,000,000	10,000,000	
5	Renovate 10,000 Square Foot Space at CRD	C-PI	2,300,000	2,300,000	
6	Miscellaneous Maintenance Pool 2014-2016	C-PI	10,000,000	10,000,000	
7	Upgrade IT Infrastructure	IT	4,600,000	4,600,000	
8	Renovate Kentucky Building	C-PI	17,500,000	17,500,000	
9	Renovate Helm/Cravens Library	C-PI	41,800,000	41,800,000	
10	Renovate Ivan Wilson Center Phase II	C-PI	26,100,000	26,100,000	
11	Renovate Academic Complex	C-PI	27,500,000	27,500,000	
12	Design Environmental Science and Technology Hall Renovation	C-PI	2,000,000	2,000,000	
13	Renovate Gordon Wilson Hall	C-PI	11,600,000	11,600,000	
14	Interior Renovation Jones Jagers	C-O	1,000,000	1,000,000	
15	Design Agriculture Expo Center Renovation	C-PI	1,000,000	1,000,000	
16	Renovate Art Lab/Museum	C-O	4,200,000	4,200,000	
17	Construct Nanotechnology Laboratory	C-PI	1,900,000	1,900,000	
18	Renovate 8,000 Squ. Ft Space at Center for Research & Develop	C-PI	2,200,000	2,200,000	
19	Renovation 49,000 Squ. Ft Space at Center for Research & Develop	C-PI	12,300,000	12,300,000	
20	Renovate Central Heat Plant	C-PI	5,100,000	5,100,000	
2014-2016 Total			336,300,000	336,300,000	
2016-2018					
	Expand Center for Research and Development	C-O	12,500,000	12,500,000	
	Miscellaneous Maintenance Pool 2016-2018	C-PI	10,000,000	10,000,000	
	Parking and Street Improvements 2016-2018	C-PI	1,000,000	1,000,000	
	Renovate Agriculture Expo Center	C-PI	6,000,000	6,000,000	
	Renovate Cherry Hall	C-PI	13,500,000	13,500,000	
	Renovate Environmental Science and Technology Hall	C-PI	25,400,000	25,400,000	
	Renovate Garrett Conf Center Renovation	C-PI	18,900,000	18,900,000	
	Renovate Industrial Education Facility	C-PI	5,300,000	5,300,000	
	Renovate PS1 Ground Level/Facilities Management	C-PI	10,800,000	10,800,000	
	Renovate Service Supply Building	C-PI	11,500,000	11,500,000	
	Upgrade Domestic Water and Distribution	C-PI	8,800,000	8,800,000	
	Upgrade Sanitary Sewer/Storm Water Lines	C-PI	16,100,000	16,100,000	
2016-2018 Total			139,800,000	139,800,000	
2018-2020					
	Construct Multi-Purpose Research Office Building	C-O	23,900,000	23,900,000	
	Demolition of Tate Page Hall	C-PI	2,000,000	2,000,000	
	Miscellaneous Maintenance Pool 2018-2020	C-PI	10,000,000	10,000,000	
	Renovate Jones Jagers Hall	C-PI	11,400,000	11,400,000	
2018-2020 Total			47,300,000	47,300,000	
Grand Total			523,400,000	523,400,000	

Western Kentucky University (continued)

Projects Involving Agency Bonds

<u>Priority #</u>			<u>Total</u>	<u>General</u>	<u>Other Funds/</u>
<u>Cab</u>	<u>Ag</u>	<u>Project</u>	<u>Budget</u>	<u>Funds</u>	<u>Source(s)</u>
2014-2016					
1		Construct Parking Structure III	C-O	11,000,000	11,000,000 AB
2		Construct South Reg Postsecondary Ed Center Phase II	C-O	10,000,000	10,000,000 AB
3		Expand Student Intramural Recreation Facility	C-O	20,000,000	20,000,000 AB
2014-2016 Total			41,000,000	41,000,000	
Grand Total			41,000,000	41,000,000	

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

2014-2016					
		Acquire FF&E Diddle Arena	EQ	3,000,000	3,000,000 OT-P
		Acquire FF&E for Hardin County Project	EQ	2,000,000	2,000,000 RF
		Acquire FF&E for Honors College	EQ	3,000,000	3,000,000 RF
		Add Club Seating at Diddle Arena	C-PI	2,200,000	2,200,000 OT-P
		Construct Baseball Grandstand	C-O	4,500,000	4,500,000 OT-P
		Construct Football Pressbox	C-PI	2,200,000	2,200,000 OT-P
		Construct International Center	C-PI	5,300,000	5,300,000 RF
		Construct South Plaza	C-O	2,500,000	2,500,000 OT-P
		Construct South Reg Postsecondary Ed Center Phase II	C-O	10,000,000	10,000,000 OT-P
		Construct Track and Field Facilities Phase I	C-O	4,000,000	4,000,000 OT-P
		Demolish Thompson NW & Replace w/Temp Facility	C-O	3,000,000	3,000,000 RF
		Equipment Pool 2014-2016	EQ	2,500,000	2,500,000 RF
		Expand Gatton Academy of Math and Science	C-PI	10,000,000	10,000,000 OT-P
		Major Repairs Smith Stadium	C-PI	800,000	800,000 RF
		Parking and Street Improvements 2014-2016	C-O	3,000,000	3,000,000 RF
		Purchase Property for Campus Expansion 2014-2016	C-O	3,000,000	3,000,000 RF
		Remove and Replace Student Housing @ Farm	C-O	800,000	800,000 RF
		Renovate Foundation Building	C-PI	1,200,000	1,200,000 RF
		Renovate Garrett Conf Center Academic Space	C-PI	8,700,000	8,700,000 RF
		Renovate Garrett Conf Center Food Court	C-PI	7,000,000	7,000,000 RF
		Renovate Grise Hall Restrooms (ADA)	C-PI	930,000	930,000 RF
		Renovate State/Normal Street Properties	C-PI	1,500,000	1,500,000 RF
		Renovate Tate Page Hall	C-PI	1,200,000	1,200,000 RF
		Renovate/Addition to Health Services Facility	C-PI	3,000,000	3,000,000 RF/OTP
2014-2016 Total			116,330,000	116,330,000	

Western Kentucky University (continued)

Projects NOT Involving The General Fund, Road Fund, Or Agency Bonds

<u>Priority #</u> <u>Cab Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>Source(s)</u>
2016-2018					
	Construct Outdoor Intramural Field	C-O	1,500,000	1,500,000	RF/OT-P
	Construct Parking Structure	C-O	10,000,000	10,000,000	RF/OT-P
	Construct Track and Field Facilities Phase II	C-O	6,000,000	6,000,000	OT-P
	Energy Saving Performance Contracting 2016-2018	C-PI	10,000,000	10,000,000	OT-LTF
	Purchase Property for Campus Expansion 2016-2018	C-O	2,000,000	2,000,000	RF
	2016-2018 Total		29,500,000	29,500,000	
2018-2020					
	Construct Parking Structure	C-O	10,000,000	10,000,000	RF/OT-P
	Energy Saving Performance Contracting 2018-2020	C-PI	10,000,000	10,000,000	OT-LTF
	Parking and Street Improvements 2018-2020	C-O	3,000,000	3,000,000	RF
	Purchase Property for Campus Expansion 2018-2020	C-O	2,000,000	2,000,000	RF
	2018-2020 Total		25,000,000	25,000,000	
	Grand Total		170,830,000	170,830,000	

Explanation Of Acronyms

ADA	Americans With Disabilities Act
CRD	Center For Research And Development
FF&E	Furniture, Fixtures, And Equipment
IT	Information Technology
NW	Northwest
PS1	Parking Structure One

Court Of Justice

Projects Involving The General Fund (Cash/Bonds)

<u>Priority #</u> <u>Cab</u> <u>Ag</u>	<u>Project</u>	<u>Type</u>	<u>Total</u> <u>Budget</u>	<u>General</u> <u>Funds</u>	<u>Other Funds/</u> <u>(Local Bonds)*</u>
2014-2016					
1	Construction/Renovation/Addition Nicholas County	C-O	10,868,000	978,700*	10,868,000
2	Construction/Renovation/Addition Henry County	C-O	12,750,000	1,154,000*	12,750,000
2014-2016			23,618,000		23,618,000
2016-2018					
	Construction/Renovation/Addition Bath County	C-O	13,579,000	1,232,200*	13,579,000
	Construction/Renovation/Addition Lee County	C-O	11,079,000	998,600*	11,079,000
2016-2018 Total			24,658,000		24,658,000
2018-2020					
	Construction/Renovation/Addition Fulton County	C-O	11,876,000	1,073,800*	11,876,000
	Construction/Renovation/Addition Owsley County	C-O	11,876,000	1,073,800*	11,876,000
2018-2020 Total			23,752,000		23,752,000
*General Fund Use Allowance					
Grand Total			75,028,000		75,028,000

Appendix A

KRS Chapter 7A.010 To 7A.170

Enabling Statutes for the Capital Planning Advisory Board

7A.010 Definitions

As used in this chapter, unless the context otherwise requires:

- (1) “Capital project” means:
 - (a) Any undertaking which is to be financed or funded through an appropriation by the General Assembly of general fund, road fund, bond fund, trust and agency fund, or federal fund moneys, where the expenditure is a capital expenditure pursuant to statute or under standards prescribed by the Legislative Research Commission under the authority of KRS Chapter 48;
 - (b) Any undertaking which is to be financed by a capital expenditure for use by the state government or one of its departments or agencies, as defined in KRS 12.010 or enumerated in KRS 12.020, including projects related to the construction or maintenance of roads, and including projects of institutions of higher education as defined in KRS 164A.550(2);
 - (c) Any capital construction item, or any combination of capital construction items necessary to make a building or utility installation complete, estimated to cost six hundred thousand dollars (\$600,000) or more, or any item of movable equipment, estimated to cost two hundred thousand dollars (\$200,000) or more, regardless of the source of funds;
 - (d) Any lease of real property whose value is two hundred thousand dollars (\$200,000) or more;
 - (e) Any lease of an item of movable equipment if the total cost of the lease, lease-purchase, or lease with an option to purchase is two hundred thousand dollars (\$200,000) or more; or
 - (f) Any new acquisition, upgrade, or replacement of an information technology system estimated to cost six hundred thousand dollars (\$600,000) or more.
- (2) “Board” means the Capital Planning Advisory Board of the Kentucky General Assembly created by KRS 7A.110.
- (3) “Plan” means the state capital improvement plan provided for by KRS 7A.120.
- (4) “State agency” means any department, commission, council, board, bureau, committee, institution, legislative body, agency, government corporation, or other entity of the executive, judicial, or legislative branch of the state government.

- (5) “Information technology system” means any related computer or telecommunications components that provide a functional system for a specific business purpose and contain one (1) or more of the following:
- (a) Hardware;
 - (b) Software, including application software, systems management software, utility software, or communications software;
 - (c) Professional services for requirements analysis, system integration, installation, implementation, or data conversion services; or
 - (d) Digital data products, including acquisition and quality control.

Effective: July 12, 2006

History: Amended 2006 Ky. Acts ch. 199, sec. 1, effective July 12, 2006. –
Amended 2003 Ky. Acts ch. 188, sec. 2, effective June 24, 2003.
– Amended 1994 Ky. Acts. ch. 31, sec. 1, effective July 15, 1994.
– Created 1990 Ky. Acts. ch. 503, sec. 2, effective July 13, 1990.

7A.100 Capital Planning Advisory Board of the General Assembly established.

The Capital Planning Advisory Board of the Kentucky General Assembly is established. The members of this board shall represent all three (3) branches of government and are empowered to prepare a comprehensive state capital improvement plan and to make funding recommendations to each branch head as to state spending for capital projects.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 1, effective July 13, 1990.

7A.110 Membership of board -- Meetings -- Vote required to act.

- (1) The Capital Planning Advisory Board of the Kentucky General Assembly shall consist of sixteen (16) members. The manner of appointment and terms of the members of the board shall be as follows:
- (a) Four (4) members shall be appointed by the Governor to represent the executive branch of state government. These members shall serve for a term of four (4) years and until their successors are appointed.
 - (b) Four (4) members shall be appointed by the Chief Justice of the Supreme Court to represent the judicial branch of state government. These members shall serve for a term of four (4) years and until their successors are appointed.
 - (c) Four (4) members shall represent the legislative branch of state government and shall be appointed and serve as follows:
 - 1. The Speaker of the House of Representatives shall appoint two (2) members, each of whom shall serve while a member of the House for the term for which he has been elected, and one (1) of whom shall be designated co-chair; and
 - 2. The President of the Senate shall appoint two (2) members, each of whom shall serve while a member of the Senate for the term for which he has been elected, and one (1) of whom shall be designated co-chair.
 - (d) Four (4) public members shall be appointed from the Commonwealth at large, one (1) by the Governor, one (1) by the Chief Justice, one (1) by the President of the Senate, and one

- (1) by the Speaker of the House of Representatives. The public members shall serve for a term of four (4) years and until their successors are appointed.
- (2) Any vacancy on the board shall be filled in the same manner as the original appointment.
- (3) The co-chairs shall have joint responsibilities for board meeting agendas and presiding at board meetings.
- (4) On an alternating basis, each co-chair shall have the first option to set the monthly meeting date. A monthly meeting may be canceled by agreement of both co-chairs. The board shall meet at least twice during each calendar year.
- (5) Members of the board shall be entitled to reimbursement for expenses incurred in the performance of their duties.
- (6) A majority of the entire membership of the Capital Planning Advisory Board shall constitute a quorum, and all actions of the board shall be by vote of a majority of its entire membership.
 - Effective:** March 31, 2003
 - History:** Amended 2003 Ky. Acts ch. 185, sec. 8, effective March 31, 2003. -- Amended 1994 Ky. Acts ch. 486, sec. 13, effective July 15, 1994. -- Created 1990 Ky. Acts ch. 503, sec. 3, effective July 13, 1990.

7A.120 State capital improvement plan.

- (1) Every two (2) years, the board shall prepare a state capital improvement plan containing its proposals for state spending for capital projects.
- (2) Copies of the plan shall be submitted to the Governor, the Chief Justice, and the Legislative Research Commission no later than November 1 of each odd-numbered year. The plan shall provide:
 - (a) A detailed list of all capital projects of the state, including transportation projects as submitted by the Kentucky Transportation Cabinet and approved by the Joint Transportation Committee, which the board recommends be undertaken or continued by any state agency during the six (6) fiscal year period commencing with the upcoming biennial budget, together with information as to the effect of these capital projects on future operating expenses of the Commonwealth, and with recommendations as to the priority of these capital projects and the means of funding them;
 - (b) The forecast of the board as to the requirements for capital projects of state agencies during the six (6) fiscal year period and for those additional periods, if any, necessary or desirable for adequate presentation of particular capital projects, and a schedule for the planning and implementation or construction for these additional periods;
 - (c) A schedule for the next biennial budget of recommended appropriations of bond funds from issues of bonds previously authorized;
 - (d) A review of capital projects which have recently been implemented or completed or are in process of implementation or completion;

- (e) Recommendations as to the maintenance of physical properties and equipment of state agencies; and
 - (f) Any other information that the board deems relevant to the foregoing matters.
- (3) Each state agency, excluding the Department of Highways, shall no later than April 15 of each odd-numbered year provide the board with information described in subsection (2) of this section in the form that shall be prescribed by the board.
- (4) In addition to information available to the board under the computerized record keeping of the Finance and Administration Cabinet, each state agency shall, when requested, provide the board with supplemental information concerning any real property owned or leased by the agency, including its current or future availability for other state uses.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 4, effective July 13, 1990.

7A.130 Public hearings.

The board may conduct public hearings in furtherance of its general purposes at places designated by it, at which hearings it may request the appearance of officials of any state agency and solicit the testimony of interested groups and the general public.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 5, effective July 13, 1990.

7A.140 Administrative regulations.

The board may adopt any administrative regulations necessary to carry out its planning and advisory functions as provided by this chapter.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 6, effective July 13, 1990.

7A.150 Legislative Research Commission's responsibility for staffing and operating costs of board.

The Legislative Research Commission shall have exclusive jurisdiction over the employment of personnel necessary to carry out the provisions of KRS Chapter 7A. Staff and operating costs of the Capital Planning Advisory Board shall be provided from the budget of the Legislative Research Commission.

Effective: July 14, 1992

History: Amended 1992 Ky. Acts ch. 41, sec. 1, effective July 14, 1992. --
Created 1990 Ky. Acts ch. 503, sec. 7, effective July 13, 1990.

7A.160 Use of existing studies, surveys, plans, and data.

The board may make use of existing studies, surveys, plans, data, and other materials in the possession of any state agency. Upon request by the board, an agency shall make these materials available to the board so that the board may have current information on the capital plans and programs of the agency.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 8, effective July 13, 1990.

7A.170 Advisory Committees.

The officers and personnel of any state agency and any other person may serve at the request of the board upon any advisory committees that the board may create. State officers and personnel may serve upon these advisory committees without forfeiture of office or employment and with no loss or diminution in the compensation, status, rights, and privileges which they otherwise enjoy.

Effective: July 13, 1990

History: Created 1990 Ky. Acts ch. 503, sec. 9, effective July 13, 1990.

Appendix B

Report Of The Commonwealth Office Of Technology

As has been its practice in previous planning processes, the Capital Planning Advisory Board requested the assistance of outside expertise in reviewing the information technology items and systems submitted in the 2014-2020 agency capital plans. Specifically, the board requested a report from the Commonwealth Office of Technology that would

- identify those items/systems—particularly those proposed to be financed from the general fund (cash or bonds)—that are high-priority needs and the criteria on which those determinations were based; and
- include recommendations or information on any other items relating to information technology in Kentucky state government that would be helpful to the board in developing its statewide capital improvements plan.

The report from the Commonwealth Office of Technology follows.



**FINANCE AND ADMINISTRATION CABINET
COMMONWEALTH OFFICE OF TECHNOLOGY**

Steven L. Beshear
Governor

Lori H. Flanery
Secretary
Finance and Administration Cabinet

101 Cold Harbor Drive
Frankfort, Kentucky 40601
Phone: 502-564-1201
Fax: 502-564-5769
<http://technology.ky.gov/>

James M. Fowler
Chief Information Officer

Jim Barnhart
Deputy Commissioner

August 1, 2013

Senator Stan Humphries
Representative Terry Mills
Capital Planning Advisory Board

Dear Senator Humphries and Representative Mills,

I am pleased to submit to the Capital Planning Advisory Board the results of our review of the information technology projects for the next biennium. The members of my staff and agency representatives performed the review. We focused specifically on information technology projects for the 2014-2016 biennium utilizing a methodology that promotes an objective view to determine those systems with the highest value and least potential risk to the Commonwealth. The result of this review is contained within three reports:

- Appendix A: 2014-2016 All Funds Capital Information Technology Projects with High Value Designation Noted
- Appendix B: 2014-2016 General Fund High Value Information Technology Projects
- Appendix C: 2014-2016 Chief Information Officer: Additional Priorities

Each capital project submission provides value and I feel the projects identified with the acronym of "HV" in the enclosed reports best support the strategic direction of the Commonwealth and provide the greatest returns on our investments.

Kentucky continues to make progress with our use of information technology and I look forward to working with this body so that together we can continue to move Kentucky forward.

Sincerely,

A handwritten signature in black ink, appearing to read "J. M. Fowler".

James Fowler

2014-2016 Capital Improvement Plans August 2013

Executive Summary

We live in an age where 91% of all adults in the United States own a cell phone with over half of those being smart phones with more computing power than was available to NASA when they were planning to put men on the moon. Additionally, over 90% of U.S. households have a personal computer with almost half that number having more than one. It is within this context of the ubiquitous availability of consumer computing power that we must evaluate the Commonwealth's information technology needs. Many of our state agencies still depend, to some degree, on manual processes or legacy systems that have long outlived their useful life. In many cases, these environments delay collecting payments for services rendered by the agencies.

The agencies of the Commonwealth have some exciting and responsible plans for how to more efficiently and effectively serve their constituents. Their presentations were well thought out and show a deep understanding of their needs. Considerable time and effort have been spent in gathering the necessary information to submit viable proposals. In no circumstances were the projects deemed by the scoring committee to be other than essential to the core business functions of the agency.

Information technology is core to our society. The rate of change in IT continues to increase exponentially with things that were mere dreams less than a decade ago, now part of day-to-day reality. Our citizens have incorporated this technology into their everyday lives. The Commonwealth must make a concerted effort to provide the funding to allow state agencies the opportunity to enter into the 21st Century way of performing business.

In support of Executive Order 2012-880, "Regarding the Centralization of Information Technology Infrastructure Resources across the Commonwealth", the Technology Advisory Council (TAC) was established, comprised of business, financial, and IT leadership chosen by the cabinets, and it began meeting in January 2013. The TAC serves to improve coordination, accountability, and oversight of information technology across the executive branch of state government.

The Commonwealth Office of Technology (COT) worked with the TAC to establish a sub-committee to participate in all aspects of the Capital IT projects review and scoring process. Representatives from a team of state agencies, including the Office of the State Budget Director (OSBD), COT, the Cabinet for Health and Family Services, the Department for Public Advocacy, the Personnel Cabinet, and the Tourism, Arts and Heritage Cabinet made up the scoring panel. This review and scoring methodology continues to support key strategic initiatives of the Commonwealth including public safety, health services, quality education, transportation infrastructure and efficient government services.

For the 2014-2016 biennium, agencies are aware of the financial situation the Commonwealth is currently facing and the submission of Capital IT project requests reflects this understanding.

Only 40 qualifying projects were submitted for the 2014-2016 biennium. This represents a 20% reduction in requests from the 2012-2014 submission.

Approximately \$267.6 million will be needed to fulfill all new requests as opposed to the \$415 million in projects submitted by state agencies for consideration during the prior planning cycle.

Two ‘mega project’ requests make up approximately 53% of the total requested funding while half of the requests are calculated as costing \$2 million or less. This supports evidence that 1) technology costs continue to drop, and 2) agencies that have continued to do work in a manual manner or limp along with legacy systems can no longer continue to do so through continued budget cuts and staffing restraints.

Based upon the recommendations of the evaluation team, the Chief Information Officer of the Commonwealth has produced three reports for the Capital Planning Advisory Board (CPAB) to consider in its formulation of a statewide capital improvement plan. The first two reports are the direct result of COT’s established review methodology and evaluation process. These enclosed reports are titled:

- 2014-2016 All Funds Capital Information Technology Projects with High Value (HV) Designation Noted
- 2014-2016 General Fund High Value Information Technology Projects

A third report highlights other general and restricted fund projects that specifically enable the Commonwealth to achieve its strategic goals and fell just short mathematically of receiving an ‘HV’ designation. This enclosed report is titled:

- Chief Information Officer: Additional Priorities

2014-2016 Capital Improvement Plans

Overview and Assessment of Information Technology Capital Items for the Capital Planning Advisory Board

**Commonwealth Office of Technology
August 2013**

Introduction

The Commonwealth Chief Information Officer (CIO) submits this report to the Capital Planning Advisory Board (CPAB) as requested and required by 1 KAR 6:020. At the request of CPAB, the CIO is assigned the primary responsibility for information technology (IT) capital item review, assessment, prioritization and enterprise ranking for executive branch agencies. CPAB has requested that the CIO report capital IT items or systems to identify high priority needs, particularly those proposed to be financed from General Funds (cash or bonds). Additionally, CPAB requested that the CIO present the criteria upon which the information technology items or systems are determined to have high value and priority. Finally, CPAB encouraged the CIO to include in this report recommendations or information on any other items affecting information technology in state government, believed to be helpful to CPAB in developing its statewide plan.

CPAB will find in the presentation of this report that the CIO has once again undertaken a defined, disciplined and objective approach to the evaluation of capital IT items and systems submitted by executive branch state agencies. COT has facilitated a thorough review and analysis resulting in the recommendations outlined in this report to the CPAB.

For the 2014-2016 capital planning cycle, 40 IT capital items/systems were submitted by executive branch state agencies. Additionally, COT has coordinated with staff of the Council on Postsecondary Education for their continued review of university plans, including IT capital items and systems. The CIO does not have oversight authority for information technology initiatives in the legislative and judicial branches as stipulated in KRS 11.509.

Summary of Capital IT Items and Systems Submitted to the CPAB

The planned budget amounts of state agency capital items submitted for the 2014-2016 cycle totals approximately \$267.6 million. This is broken down into the following categories:

- General Funds - \$132 million
- Federal Funds - \$102.6 million
- Restricted Funds - \$19 million
- Road Funds - \$6 million
- Private Funds - \$8 million

Evaluation of Capital IT Items and Systems

To execute its responsibility to provide a meaningful and justifiable review of capital IT items and systems to CPAB, and to objectively quantify the value and potential risk of the items and systems, COT continues to apply a disciplined, objective review and analysis process incorporating clearly defined criteria and scoring attributes. A formal evaluation tool also continues to be used by COT to facilitate the analysis and ranking of information technology projects.

Any technology endeavor must improve the manner in which the Commonwealth conducts business and ultimately must lead to the provision of better service to its citizens. To that end, COT again requested that agencies prepare their requests utilizing a prepared business case template that would help clarify and quantify the value of each submission. Moreover, the inherent business value of any IT project should be delivered to the Commonwealth while introducing minimal or no additional amount of risk or duplicative efforts to either the project or the organization. Traditionally large dollar projects delivered as ‘big bang’ at the end of multiple years requiring considerable development or customization are at increased risk for not delivering upon the initially agreed scope.

Each proposed capital IT item and system was evaluated by the eight member committee using the two sets of independent criteria: Business Value and Risk Factors. The two major criteria were comprised of a total of ten subcomponents, each one numerically weighted with an assigned ranking being explicitly defined. Each item and system was evaluated against the following criteria:

Business Value:

Business Case & Justification

Efficiency including Cost Savings or Avoidance, Revenue or Accountability

Executive Sponsorship

Service Improvement through Shared Services

Improved Quality of Life for Citizens

Risk Factors:

Total Cost of Ownership

System Data Classification

Solution Definition

Implementation Timeline

Level of Complexity

A composite business value index and risk factor index was derived for each capital IT item and system, with those projects exemplifying high business value and low risk factors being ranked as achieving the designation of ‘High Value’.

The two enclosed reports, detailing the ranking of the submitted projects are entitled:

- All Funds Capital Information Technology Projects with High Value Designation Noted
- General Fund High Value Information Technology Projects

For a more detailed overview of the methodology and ranking process, please see the document enclosed within this report entitled: *Information Technology Capital Project Review Process*.

Chief Information Officer: Additional Priorities

The CIO has defined a priority list of additional general fund, as well as restricted fund, capital IT projects based upon the strategic goals of the Commonwealth and interactive discussion with state agencies. These goals address priority areas throughout state government that may not have received ‘HV’ designation but are believed to have potential for maximizing agency business value with properly applied risk management.

The CIO proposes the following list of top priority projects and designates them as critical because of their direct contribution to meeting the strategic goals of the Commonwealth.

- Chief Information Officer: Additional Priorities

All Funds Capital Information Technology Projects with High Value Designation

	Cabinet	Agency	Capital Item/System Title	Budget	Fund Source	High Value
2014-2016						
1	CHFS	Community Based Services	Eligibility System Integration Services	\$57,500,000	GF/FF	HV
2	CHFS	General Admin./ Program Support (GAPS)	Child Support System (KASES III)	85,076,000	GF/FF	
3	CHFS	GAPS	DAIL System Modernization	1,350,000	GF	HV
4	CHFS	Department of Public Health (DPH)	DPH Budget, Accounting & Reporting System	3,600,000	GF/RES	HV
5	CHFS	DPH	DPH Vital Statistics Phase I Digitized System	6,000,000	GF	
6	Education	Council on Postsecondary Ed.	Course Redesign	2,000,000	GF	
7	Education	Council on Postsecondary Ed.	Enterprise Data Collection Analysis & Reporting	1,150,000	GF	
8	Education	Council on Postsecondary Ed.	Expand KY Reg Optical Network Infrastructure	10,000,000	GF	
9	Education	Council on Postsecondary Ed.	HB265 Adult Learner Degree Attainment Init Cap	1,000,000	GF	
10	Education	Council on Postsecondary Ed.	KY Virtual Library Infrastructure Rebuild	15,000,000	GF	
11	Education	Council on Postsecondary Ed.	Upgrade/Expand Video Conferencing	2,000,000	GF	
12	Education	KY Educational Television	Digital Conversion Phase 3	2,000,000	GF	
13	Education	KY Educational Television (KET)	KET Digital Infrastructure Maintenance Pool	1,000,000	GF	
14	Education	Department of Education	Next Generation SEEK	1,760,000	GF	HV
15	Education	General Admin & Support	Enterprise Case Management System	12,000,000	GF	
16	Education	Professional Standards Board	Educator Prep System	1,270,000	RES	
17	Energy & Environment	Environmental Protection	TEMPO System Upgrade	735,000	GF	HV
18	Finance	Administrative Services	Kentucky One Stop Phase 2	7,243,000	GF	HV
19	Finance	Commonwealth Office of Tech	Alternate Data Center	4,700,000	RES	HV
20	Finance	KY Lottery Corp	Data Processing, Telecomm and Related Equip	6,000,000	PRIV	
21	Finance	KY Lottery Corp	iSeries System Upgrades	1,400,000	PRIV	
22	Finance	KY Lottery Corp	Replacement of System Infrastructure	750,000	PRIV	
23	Finance	Revenue	Predictive Dialer Update	2,300,000	GF	

GF-General Funds; FF-Federal Funds; RES-Restricted Funds; PRIV-Private Funds; HV-High Value

All Funds Capital Information Technology Projects with High Value Designation

Cabinet	Agency	Capital Item/System Title	Budget	Fund Source	High Value
2014-2016					
24	Finance	Revenue	Property Tax Systems Upgrade	2,500,000	GF
25	General Government	KY Teacher's Retirement (KTRS)	KTRS Pension Management System	600,000	RES HV
26	General Government	KY Teacher's Retirement	KTRS Pension Management System II	11,442,000	RES HV
27	Justice	Department of Corrections	Upgrade KY Offender Management System	1,150,000	GF HV
28	Justice	Department of State Police	Computerized Criminal History Project	670,000	GF
29	Justice	Department of State Police	Kentucky Interoperability Plan	2,000,000	GF
30	Justice	Department of State Police	KYOPS Enhancement	2,000,000	GF
31	Justice	Department of State Police	Replacement of AFIS Livescan Equipment	2,241,000	GF HV
32	Labor	Workers' Claims	Online Filing System	4,226,000	RES HV
33	Tourism, Arts & Heritage	Kentucky Historical Society	Kentucky Historical Society Digital Initiatives	4,500,000	GF
34	Tourism, Arts & Heritage	Parks	Property Management & Point of Sale Systems	2,500,000	GF HV
35	Tourism, Arts & Heritage	Parks	Replace Obsolete Systems	1,750,000	GF HV
36	Transportation	Secretary's Office	TED Reporting Initiatives	600,000	ROAD
37	Transportation	Secretary's Office	Upgrade AASHTOware	2,000,000	ROAD
38	Transportation	Secretary's Office	Upgrade AASHTOware Bridge Mgt Software	600,000	ROAD HV
39	Transportation	Vehicle Registration	International Registration Plan (IRP)	2,000,000	ROAD
40	Transportation	Vehicle Registration	Replace DCS Customer Service Systems	975,000	ROAD
Total			\$267,588,000		

General Fund High Value Information Technology Projects

Cabinet	Agency	Capital Item / System Title	Budget	Fund Sources:			High Value
				General Funds	Federal Funds	Restricted Funds	
2014-2016							
CHFS	Community Based Services	Eligibility System Integration Services	\$57,500,000	\$11,378,000	\$46,122,000		HV
CHFS	GAPS	DAIL System Modernization	1,350,000	1,350,000			HV
CHFS	Public Health	Budget, Accounting & Reporting System	3,600,000	3,500,000		\$100,000	HV
Education	Department of Education	Next Generation SEEK	1,760,000	1,760,000			HV
Energy & Environment	Environmental Protection	TEMPO System Upgrade	735,000	735,000			HV
Finance	Administrative Services	Kentucky One Stop Phase Two	7,243,000	7,243,000			HV
Justice	Department of Corrections	Upgrade KY Offender Management System	1,150,000	1,150,000			HV
Justice	Department of State Police	Replacement of AFIS Livescan Equipment	2,241,000	2,241,000			HV
Tourism Arts & Heritage	Parks	Property Management & Point of Sale Systems	2,500,000	2,500,000			HV
Tourism Arts & Heritage	Parks	Replace Obsolete Systems	1,750,000	1,750,000			HV
			\$79,829,000	\$33,607,000	\$46,122,000	\$100,000	

Chief Information Officer: Additional Priorities

Cabinet		Agency	Capital Item/System Title	Budget	Fund Source
2014-2016					
1	CHFS	GAPS	Child Support System (KASES III)	\$85,076,000	GF/FF
2	CHFS	Public Health	DPH Vital Statistics Phase I Digitized System	6,000,000	GF
3	Education	Council on Postsecondary Ed	Expand KY Reg Optical Network Infrastructure	10,000,000	GF
4	Education	KY Educational Television	Digital Conversion Phase 3	2,000,000	GF
5	Education	KY Educational Television	KET Digital Infrastructure Maintenance Pool	1,000,000	GF
6	Finance	Revenue	Predictive Dialer Update	2,300,000	GF
7	Justice	Department of State Police	Kentucky Interoperability Plan	2,000,000	GF
Total				\$108,376,000	
\$52,226,000 GF / \$56,150,000 FF					

Capital Project Review Criteria

Each proposed information technology capital project will be evaluated against two sets of criteria: Business Value and Risk Factors. Project ranking will be assessed against each component on a scale of -1 to 5, with each assigned ranking being explicitly defined. An objective score will be derived based upon an evaluation of the project as submitted to the Capital Planning Advisory Board, and upon a presentation and interactive discussion conducted with each agency's information technology officer.

Business Value

Business Case

Has a business case been prepared and submitted to include such items as business need/benefits, high-level requirements and/or features, expected risks, critical success factors, assumptions, return on investment (quantitative or qualitative), and mean time to pay back? Does the business case show a large and rapid justification for the investment?

Efficiency

Does the project outline demonstrable and quantifiable savings, revenue generation, or cost avoidance? Does the project provide additional transparency or accountability? Are efficiency gains SMART (Specific, Measurable, Achievable, Realistic and Relevant, Time-limited)?

Executive Sponsorship

How important is the technology project considered among the entire cabinet's capital project priorities?

Service Improvement

Does the proposed project automate existing processes, or are processes being redefined prior to automation? Does the proposed project provide new online services to citizens or business? Does the proposed project support or directly enable the success of other project(s) either within the agency or across agencies?

Improved Quality of Life for Citizens

Will the project directly affect an improved quality of life for a majority of Kentucky citizens through improved public health, education, safety, infrastructure, environmental issues, economic development or similar enterprise initiatives?

Risk Factors

Total Cost of Ownership

What is the TCO of the project (includes hardware, software, state staffing, vendors/contractors, support and maintenance for the life of the initiative, etc).

Data Classification

Will the system contain personally identifiable data defined as 'sensitive' or above within Enterprise Architectural Standards subdomain 4080 (<https://gotsource.ky.gov/docushare/dsweb/>)

Get/Document-301107/)? If so, how will this information be safeguarded within the system to deter identity theft?

Solution Definition

What is the anticipated level of effort to customize, develop, invent, or create the proposed solution?

Implementation Timeline

How quickly will the project be implemented, and how quickly will the Commonwealth see a Return on Investment? Will the implementation be all at once ('big bang') or will the functionality be implemented in multiple, smaller phases or deliverables?

Level of Complexity

What is the level of effort and technical complexity required to make the project successful? Is the expertise to implement fully in-house or will contract staff be needed for some period of time? Are there skill sets currently available in-house to be used to manage the vendor(s) that provide the solution? Has the agency undergone a major system implementation in the last five years? What business process re-engineering and change management efforts will be implemented as part of the project?

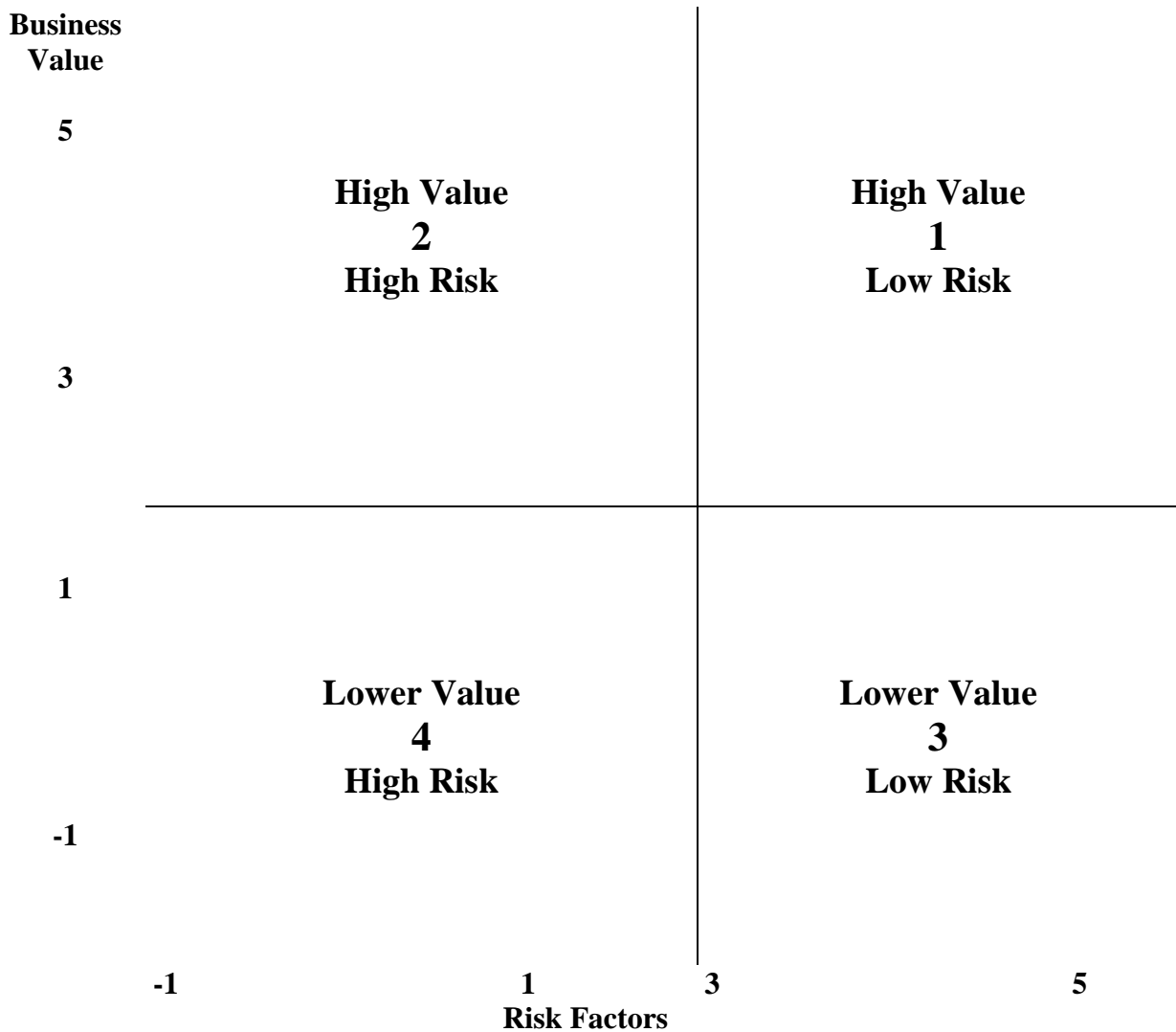
Information Technology Capital Project Review Process

Rating						
Business Value	Wt	-1	1	3	5	Max Score
Business Case & Justification	6	None Provided	Minimal Information or Justification	Some level of detail but not clear or logical	Detailed, complete explanations with TCO, ROI, etc	30
Efficiency Includes Cost Savings or Avoidance, Revenue, or Accountability	6	None identified	Negligible or minimal opportunity	Significant opportunity expected; not quantified	Quantified, significant opportunity	30
Executive Sponsorship	6	Bottom 10% organization priority	Lower 50% organization priority	Upper 50% organization priority	Top 10% organization priority	30
Service Improvement thru Shared Services	6	Single use application on dedicated server(s)	Some modular components with partial use of existing hardware	Modular, new component development with partial use of existing hardware	Reuse of largely existing components with full use of existing hardware	30
Improved Quality of Life for Citizens	6	Does not relate	Indirectly Supports	Directly affects a small % of KY citizens	Directly affects a large % of KY citizens	30
Scoring Weight	30					150

Risk Factors	Wt	-1	1	3	5	Max Score
Total Cost of Ownership (from Business Case)	6	>100M	50M to 75M	10M to 25M	< 5M	30
System will Contain Data Classified as ‘Sensitive’ or above within EAS 4080	6	No determination of data content	No Explanation of how PID will be safeguarded	Partial Explanation of how PID will be safeguarded	Detailed Explanation of how PID will be safeguarded	30
Solution Definition	6	Solution must be developed from scratch or customized >25%	Solution must be moderately customized (>10% to < 25%)	Solution is readily available with minor customization expected (<10%)	Solution is readily available with no customization or replicated from previous success	30
Implementation Timeline	6	Phases > 2 years or ‘Big Bang’	Phases > 1 year but < 2 years	Phases < 1 year but> 6 months	Phases < 6 months	30
Level of Complexity	6	Difficult	High	Medium	Low	30
Scoring Weight	30				Subtotal	150

Project Value Ranking

Project value ranking will be determined by relating the business value with the manageability of the proposed project. The total score in each category is divided by the total weighting (30) to derive axis placement.



Appendix C

Report Of The Council On Postsecondary Education

As has been its practice in the past, the Capital Planning Advisory Board requested the assistance of outside expertise in reviewing projects submitted in the 2014-2020 capital plans of the postsecondary institutions.

The Council on Postsecondary Education provided input in the development of the 2014-2020 Statewide Capital Improvements Plan by identifying and reviewing projects to be financed with general fund appropriations. The council also reviewed and reported on the information technology projects submitted by the postsecondary institutions.

The report from the Council on Postsecondary Education follows.



Kentucky Council on Postsecondary Education

Steven L. Beshear
Governor

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Robert L. King
President

August 8, 2013

The Honorable Terry Mills
The Honorable Stan Humphries
Co-Chairs
Capital Planning Advisory Board
Capitol Annex, Room 34
Frankfort, Kentucky 40601

Dear Representative Mills and Senator Humphries:

Upon request of the Capital Planning Advisory Board, the Council on Postsecondary Education is providing input to guide the development of the Statewide Capital Improvements Plan for 2014-20. The Board requested that the Council review and identify projects to be financed with General Fund appropriations that represent the highest priority needs of the system, with criteria to support these determinations. A summary of these projects is included in the attachment, as well as lists detailing each university's top five projects and KCTCS's top ten projects.

Some background on the Council's priority setting process is useful in understanding how the Council developed this list. Over time, the process has evolved to provide institutions with more flexibility in addressing their space needs. The current model represents a blended approach that implements the primary recommendation of the 2007 Statewide Facilities Assessment & Space Adequacy Study conducted by VFA, Inc., and Paulien & Associates—to address asset preservation and renovation and new and expanded space needs simultaneously in each biennium, over multiple biennia. The Capital Planning Advisory Board endorsed this multi-biennial approach in 2011, and we strongly encourage the board to continue that endorsement.

As in 2012-14, the 2014-16 planning process focuses on long-term capital funding, aligning existing space with modern educational standards, using transparent funding distribution that is data driven, and providing more accountability than the priorities list that was used in the past. In this approach, we present project priorities (unranked) in three related categories: 1) asset preservation and renovation, 2) new and expanded education and general and research facilities, and 3) information technology initiatives.

While the categories are unranked, the value of each project in the first and second categories is evaluated using the following five criteria:

- The project directly supports HB 1 goals, the 2011-15 Strategic Agenda, and statewide economic development goals.

The Honorable Terry Mills
The Honorable Stan Humphries
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August 8, 2013

- The project supports the institution's Council-approved mission and is a high priority.
- The project provides for the completion of projects authorized in a prior biennium and which, if not funded, will compromise the viability of the phased facility (based on evidence of intent).
- The postsecondary system's space utilization standards and space needs model indicate a need for additional space, or there is an explicit need to retool/remodel/replace an existing space.
- The project significantly reduces the capital renewal and maintenance burden and addresses the findings of the 2007 VFA study, and the institution has demonstrated good stewardship through evidence of facility renewal and systems maintenance.

Projects in the third category, information technology initiatives, were evaluated using a process similar to the one used by the Commonwealth Office for Technology (COT) in evaluating state agency projects. This process uses a business value/risk assessment that results in the designation of high value projects. The COT criteria were modified slightly to recognize the Council's Strategic Agenda. Based on the application of the revised criteria (attached) seven of twenty-four 2014-2016 IT projects requesting general revenue funds were designated as high value.

As noted in previous communications, this list of statewide capital plan priorities is for planning purposes only and is subject to change as the Council continues to develop the 2014-16 biennial capital budget recommendation, which will be acted on by the full board in November. At that time, we anticipate that the Council will continue to support the new model and will recommend approximately \$1.8 billion for capital over the next three biennia (\$600 million in 2014-16, \$600 million in 2016-18, and \$600 million in 2018-20). About one-half of this amount will be dedicated to asset preservation and renovation and the remainder to new/expanded space.

You may recall that several biennia ago, at the urging of the Capital Planning Advisory Board, the General Assembly raised the threshold for capital projects requiring authorization by the Appropriations Act (i.e., capital construction projects estimated to cost \$600,000 or more, capital project pools consisting of projects costing less than \$600,000 each, information technology systems estimated to cost \$600,000 or more, major leases estimated to cost \$200,000 or more annually, and major equipment items estimated to cost \$200,000 or more). The Council recommends that the board strongly consider reviewing these thresholds and recommending that the General Assembly raise them again.

We look forward to the opportunity to speak with you at greater length at your August 21 meeting. In the meantime, please call Bill Payne, Shaun McKiernan, or myself if you have any questions or concerns.

Sincerely,

Robert L. King

Enclosures

System Priority/ Project Category	General Fund	Project Scope Institutional Funds	Total	Percent of Total
1 Asset Preservation & Renovation (Attachment 1)	\$1,435,996,000	\$7,701,000	\$1,443,697,000	53%
2 New/Expanded & Research Facilities (Attachment 2)	1,152,576,000	67,865,000	1,220,441,000	43%
3 Information Tech. Projects (Attachment 3)	99,267,000	4,000,000	103,267,000	4%
Total - Planning	\$2,687,839,000	\$79,566,000	\$2,767,405,000	100%

Notes:

1. Detail for each category can be found on Attachments 1, 2, and 3.
Projects included in Attachment 2 are comprised of the top five General Fund projects identified by the universities and the top 10 General Fund projects identified by the KCTCS.
- 2.
3. All institution General Fund projects identified as Asset Preservation are included.

**Summary of 2014-16 Capital Plan Modeling Estimates by
Institution/Project Category**

Institution	Asset Pres. Renovation	New/Expand Top 2	IT	Total	Inst Share
EKU	\$37,792,000	\$68,340,000	\$21,162,000	\$127,294,000	5.8%
KSU	135,337,000	127,562,000	23,499,000	286,398,000	13.1%
MoSU	108,832,000	13,144,000	17,607,000	139,583,000	6.4%
MuSU	135,330,000	69,358,000	10,349,000	215,037,000	9.8%
NKU	173,300,000	68,700,000	10,050,000	252,050,000	11.5%
UK	317,477,000	45,000,000	-	362,477,000	16.6%
UofL	140,502,000	116,425,000	-	256,927,000	11.8%
WKU	239,300,000	87,200,000	4,600,000	331,100,000	15.2%
KCTCS	148,126,000	53,775,000	12,000,000	213,901,000	9.8%
Total Recomm.	\$1,435,996,000	\$649,504,000	\$99,267,000	\$2,184,767,000	100%

Asset Preservation
Statewide Capital Plan Priorities
General Fund 2014-16

Attachment 1

2014-16 Modeling Estimate for this Category is \$320,290,500

Institution/Project			General Fund	Other Funds	Total	2014-16 Inst. Priority
Asset Preservation						
1	EKU	Renovate Student Health Center	\$2,705,000		\$2,705,000	4
2	KSU	Expand/Renov Betty White Nursing Building Phase 2	9,028,000		9,028,000	1
3	MoSU	Renovate/Expand Student Services Facility	49,679,000		49,679,000	1
4	MuSU	Upgrade Campus Electrical Distribution System	13,038,000		13,038,000	4
5	NKU	Renovate Old Science/Construct Health Innovation	97,000,000		97,000,000	1
6	UK	Renovate/Upgrade Academic Learning Center	45,000,000		45,000,000	1
7	UofL	Renovate Capital Renewal Pool	68,487,000		68,487,000	3
8	WKU	Renovate Science Campus Phase IV	48,000,000		48,000,000	1
9	KCTCS	Renovate Downtown Campus Phase II Jefferson CTC	29,831,000		29,831,000	9
10	EKU	Renovate Whalen Complex	20,837,000	2,000,000	22,837,000	5
11	KSU	Build Central Boiler Plant & Replace Aging Dist	46,382,000		46,382,000	2
12	MoSU	Renovate Combs Classroom Building	37,048,000		37,048,000	3
13	MuSU	Renovate Blackburn Science Building	34,952,000		34,952,000	5
14	NKU	Replace Underground Gas Mains	2,500,000		2,500,000	4
15	UK	Renovate/Upgrade McVey Hall	23,100,000		23,100,000	3
16	UofL	Expand/Renovate Life Sciences Building	72,015,000		72,015,000	4
17	WKU	Replace Underground Infrastructure-Steam/Elec	30,000,000		30,000,000	2
18	KCTCS	Renovate main Bldg, College Drive, Ashland CTC	36,869,000		36,869,000	10
19	EKU	Renovate Begley Building Concrete	1,250,000		1,250,000	6
20	KSU	Roof Repair & Replacement Pool 2014	3,375,000		3,375,000	3
21	MoSU	Upgrade Campus Fire & Security System	3,000,000		3,000,000	5
22	MoSU	Renovate McClure Pool	3,600,000		3,600,000	9
23	MuSU	Replace Campus Steam Distribution System	5,968,000		5,968,000	7
24	NKU	Repair Floor Heaving Landrum/Fine Arts-Addt'l	6,400,000		6,400,000	6
25	NKU	Renew E&G Elevators 2010-2012 Reauthorization	1,400,000		1,400,000	8
26	UK	Capital Renewal Maintenance Pool	33,750,000		33,750,000	5
27	WKU	Renovate 10,000 SQ FT Space @CRD	2,300,000		2,300,000	5
28	KCTCS	Renov Henderson CC Facilities - Campus wide	5,500,000		5,500,000	18
29	EKU	Renovate and Upgrade Heat Plant	5,500,000		5,500,000	7
30	KSU	Renovate Jackson Hall, Phase II	5,628,000		5,628,000	8
31	MoSU	Replace Electrical Switchgear	2,660,000		2,660,000	10
32	MuSU	Complete Life Safety Projects: E&G Pool <\$600,000	2,219,000		2,219,000	8
33	NKU	Renew/Renovate Fine Arts Center Phase II	66,000,000		66,000,000	9
34	UK	Renovate/Upgrade Campus Core Quadrangle Fac.	30,000,000		30,000,000	6
35	WKU	Miscellaneous Maintenance Pool 2014-2020	10,000,000		10,000,000	6
36	KCTCS	Renov Academic Building, Hopkinsville CC	10,233,000		10,233,000	23
37	EKU	Renovate Alumni Coliseum and Weaver Pools	2,500,000		2,500,000	8
38	KSU	Capital Renewal & Maintenance Projects Pool 2014	1,460,000		1,460,000	14

					2014-16 Inst.
	Institution/Project	General Fund	Other Funds	Total	Priority
39	MoSU Capital Renewal & Maintenance Pool - Univ. Farm	1,209,000		1,209,000	11
40	MuSU Complete ADA Compliance: E&G Pool <\$600,000	6,035,000		6,035,000	9
41	UK Renovate Space for Testing Center	1,000,000		1,000,000	7
42	WKU Renovate Kentucky Building	17,500,000		17,500,000	8
43	KCTCS Renovate Denham Bldg Exterior, Maysville CTC	4,011,000		4,011,000	24
44	EKU Renovate HVAC Systems	5,000,000	5,000,000	10,000,000	14
45	KSU Renovate Blazer Library	25,966,000		25,966,000	18
46	MoSU Water Plant Sediment Basin	1,500,000		1,500,000	13
47	MuSU Complete Capital Renewal: E&G Pool<\$600,000	18,406,000		18,406,000	10
48	UK Expand/Renovate Kastle Hall	22,327,000		22,327,000	8
49	WKU Renovate Helm/Cravens Library	41,800,000		41,800,000	9
50	KCTCS Replace HVAC System Ph I, Owensboro CTC	3,297,000		3,297,000	28
51	KSU Improve Campus Landscape and Signage	906,000		906,000	19
52	MoSU Comply with ADA - E&G	3,877,000		3,877,000	20
53	MuSU Abate Asbestos: E & G Pool < \$600,000	397,000		397,000	11
54	UK Renovate Funkhouser Building	28,300,000		28,300,000	9
55	WKU Renovate Ivan Wilson Center Ph II	26,100,000		26,100,000	0
56	KCTCS Renov Admin (Owen) Bldg, Elizabethtown CTC	1,000,000		1,000,000	29
57	KSU Renovate Carroll Academic Services Bldg.	41,229,000		41,229,000	20
58	MoSU Capital Renewal & Maintenance Pool - E&G	6,259,000		6,259,000	25
59	MuSU Renovate Lovett Auditorium	25,069,000		25,069,000	13
60	UK Renovate Taylor Education Building	10,000,000		10,000,000	10
61	WKU Renovate Academic Complex	27,500,000		27,500,000	11
62	KCTCS Development of DJJ Property, Bluegrass C&TC	5,322,000		5,322,000	31
63	KSU Life Safety Upgrade Pool 2014	1,363,000		1,363,000	21
64	MuSU Replace Expo Center Roof	867,000		867,000	14
65	UK Repair/Upgrade/Improve Electrical Infrastructure	28,000,000		28,000,000	11
66	WKU Design Env Science & Tech Hall Renovation	2,000,000		2,000,000	12
67	KCTCS Renov Admin Bldg, Whitesburg Campus, SEKYCTC	3,734,000		3,734,000	32
68	MuSU Demolish Ordway Hall	1,406,000		1,406,000	15
69	UK Repair/Upgrade/Improve Mechanical Infrastructure	26,000,000		26,000,000	12
70	WKU Renovate Gordon Wilson Hall	11,600,000		11,600,000	13
71	KCTCS Renov of Mining Bldg, SE KY CTC, Harlan Campus	8,829,000		8,829,000	33
72	MuSU Waterproof Stewart Stadium	882,000		882,000	16
73	UK Repair Emergency Infrastructure/Bldg. Systems	25,000,000		25,000,000	13
74	WKU Design Agricultural Expo Center Renovation	1,000,000		1,000,000	15
75	KCTCS Install Sprinkler System - West KY C&TC	1,500,000		1,500,000	34
76	MuSU Extend Energy Management System	6,677,000		6,677,000	17
77	UK Repair/Upgrade/Improve Bldg Mechanical Systems	25,000,000		25,000,000	14
78	WKU Construct Nanotechnology Laboratory	1,900,000		1,900,000	17
79	KCTCS Capital Renewal & Deferred Maintenance Pool	38,000,000		38,000,000	40
80	MuSU Replace E&G Chiller/CFC Compliance	965,000		965,000	18
81	UK Repair/Upgrade/Improve Bldg Shell Systems	5,000,000		5,000,000	15
82	WKU Renovate 8,000 SQ FT Space @CRD	2,200,000		2,200,000	18
83	MuSU Replace Stewart Stadium Playing Surfaces	701,000	701,000	1,402,000	19
84	UK Repair/Upgrade/Improve Bldg Electrical Systems	5,000,000		5,000,000	16

			2014-16	
			Inst.	
Institution/Project	General Fund	Other Funds	Total	Priority
85 WKU Renovate 49,000 SQ FT Space @CRD	12,300,000		12,300,000	19
86 MuSU Install Sprinkler System - Blackburn Science Bldg	1,264,000		1,264,000	23
87 UK Repair/Upgrade/Improve Bldg Elevator Systems	5,000,000		5,000,000	17
88 WKU Renovate Central Heat Plan	5,100,000		5,100,000	20
89 MuSU Renovate Pogue Library Electric & HVAC	1,229,000		1,229,000	24
90 UK Handicapped Access Pool	5,000,000		5,000,000	18
91 MuSU Renovate Exposition Center	8,922,000		8,922,000	25
92 MuSU Replace Campus Comm Infrastructure (Fiber Ring)	3,300,000		3,300,000	28
93 MuSU Upgrade Applied Science Electrical System	1,285,000		1,285,000	30
94 MuSU Demolish Woods Hall	1,748,000		1,748,000	35
	\$1,435,996,000	\$7,701,000	\$1,443,697,000	

Asset Preservation			Inst Share
EKU	\$	37,792,000	2.6%
KSU		135,337,000	9.4%
MoSU		108,832,000	7.6%
MuSU		135,330,000	9.4%
NKU		173,300,000	12.1%
UK		317,477,000	22.1%
UofL		140,502,000	9.8%
WKU		239,300,000	16.7%
KCTCS		148,126,000	10.3%
Totals	\$	1,435,996,000	

**New/Expanded E&G & Research Facilities
Statewide Capital Plan Priorities
General Fund 2014-16**

Attachment 2

2014-16 Modeling Estimate for this Category is \$279,709,500
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Institution/Project Name			General Fund	Other Funds	Total	Inst. Priority
New/Expanded E&G, Space Adequacy, Support Facilities, and Research						
1	EKU	Construct Science Building, Phase 2	\$66,340,000		\$ 66,340,000	1
2	KSU	Construct Business & Technology Center	31,528,000		31,528,000	4
3	MoSU	Plan/Design Music Academic & Performance Building	1,622,000		1,622,000	2
4	MuSU	Construct/Complete New Science Complex-Final Phase	36,890,000		36,890,000	1
5	NKU	Renovate Civic Center Building Reauthorization	3,700,000		3,700,000	2
6	UK	Construct Library Depository Facility	15,000,000		15,000,000	2
7	UofL	Construct Belknap Classroom/Academic Building	80,560,000		80,560,000	1
8	WKU	Construct New Gordon Ford College of Business	77,200,000		77,200,000	3
9	KCTCS	Construct Advanced Manufacturing Fac BCTC	24,000,000		24,000,000	1
10	EKU	Construct Aviation Instruction Facility	2,000,000		2,000,000	2
11	KSU	Construct Classrooms/Performing Arts Center	96,034,000		96,034,000	5
12	MoSU	Construct Vet Tech Clinical Sciences Center	11,522,000		11,522,000	6
13	MuSU	Construct New Breathitt Veterinary Center	32,468,000		32,468,000	2
14	NKU	Construct College of Business Building	65,000,000		65,000,000	3
15	UK	Expand/Renovate Law Building	30,000,000	30,000,000	60,000,000	4
16	UofL	Construct Instructional Building at HSC	35,865,000	35,865,000	71,730,000	2
17	WKU	Construct Owensboro Technology Center, Phase II	10,000,000		10,000,000	4
18	KCTCS	Construct MCTC/MSU Postsec Ctr of Exc Phase I	29,775,000		29,775,000	2
19	EKU	Construct College of Education Complex	83,455,000		83,455,000	3
20	KSU	Renovate or Replace Bradford Hall	27,266,000		27,266,000	7
21	MoSU	Plan and Design Library Facility	1,640,000		1,640,000	7
22	MuSU	Construct Madisonville Postsecondary Ed. Ctr. (Add'l)	21,500,000		21,500,000	3
23	NKU	Construct Chiller Plant Reauthorization	16,900,000		16,900,000	5
24	WKU	Interior Renovation Jones Jagers	1,000,000		1,000,000	14
25	KCTCS	Construct Carrollton Campus, Jefferson CTC (Add'l)	16,338,000		16,338,000	3
26	EKU	Construct E & G Life Safety Begley Elevator	765,000		765,000	9
27	KSU	Renovate Central Computing Facility, Carroll ASB	10,673,000		10,673,000	9
28	MoSU	Construct MCTC/MSU Postsec. Ctr. Of Exc. Phase I	29,775,000		29,775,000	8
29	MuSU	Construct New University Library	69,725,000		69,725,000	6
30	NKU	Renovate Gateway/Highland Hts Campus-Additional	6,000,000		6,000,000	7
31	WKU	Renovate Art Lab/Museum	4,200,000		4,200,000	16
32	KCTCS	Const Owensboro Advanced Technology Ctr., Phase II	13,488,000		13,488,000	4
33	EKU	EKU-UK Dairy Research Project (Meadowbrook Farm	10,360,000		10,360,000	10
34	KSU	Renovate Open Computer Lab in Hill Student Ctr	5,389,000		5,389,000	11
35	MuSU	Construct Open-Sided Stall Barn at Expo Center	1,203,000		1,203,000	20
36	KCTCS	Construct Madisonville Postsecondary Ed. Ctr. (Add'l)	21,500,000		21,500,000	5
37	KCTCS	Construct Newtown Campus, Phase II, Blugrass CTC	45,000,000		45,000,000	6
38	KCTCS	Construct 2D Arts School Phase III, West KY CTC	8,000,000	2,000,000	10,000,000	7
39	KCTCS	Construct Urban Campus, Gateway C&TC	72,000,000		72,000,000	10
40	KCTCS	Construct Comm Interген Ctr (Add'l), Lees Hazard CTC	14,500,000		14,500,000	11
41	KCTCS	Renov for Southeast Ed. Alliance Ctr. SKCTC	22,395,000		22,395,000	12
Total			\$1,152,576,000	\$67,865,000	\$1,220,441,000	

	Value of Project Combinations			Institution Share		
	Top 2	Top 3	Top 4	Top 2	Top 3	Top 4
EKU	\$68,340,000	\$151,795,000	\$152,560,000	10.5%	18.6%	16.0%
KSU	127,562,000	154,828,000	165,501,000	19.6%	18.9%	17.4%
MoSU	13,144,000	14,784,000	44,559,000	2.0%	1.8%	4.7%
MuSU	69,358,000	90,858,000	160,583,000	10.7%	11.1%	16.9%
NKU	68,700,000	85,600,000	91,600,000	10.6%	10.5%	9.6%
UK*	45,000,000	45,000,000	45,000,000	6.9%	5.5%	4.7%
UofL*	116,425,000	116,425,000	116,425,000	17.9%	14.2%	12.2%
WKU	87,200,000	88,200,000	92,400,000	13.4%	10.8%	9.7%
KCTCS	53,775,000	70,113,000	83,601,000	8.3%	8.6%	8.8%
Totals	\$649,504,000	\$817,603,000	\$952,229,000	100%	100%	100%

*UK and UofL presented 2 and 3 General Fund projects for 2014-16, respectively.

Information Technology Initiatives

**Statewide Capital Plan Priorities
General Fund 2014-16**

**Attachment
3**

2014-16 Modeling Estimate for this Category is \$99,267,000

Evaluation	Institution/Project Name	General Fund	Other Funds	Total	2014-16 Inst. Priority
HV	EKU - Expand, Upgrade Campus Data Network	\$11,212,000	\$2,000,000	\$13,212,000	16
	EKU - Purchase Networked Edu. System Component	6,950,000		6,950,000	13
	EKU - Upgrade Academic Computing	3,000,000	2,000,000	5,000,000	15
HV	KCTCS - Information Tech Infrastructure Upgrade	12,000,000		12,000,000	39
	KSU - Upgrade IT Infrastructure	6,261,000		6,261,000	5
HV	KSU - Upgrade Computers Campus Wide	1,208,000		1,208,000	9
	KSU - Integrated Digital Campus	11,450,000		11,450,000	11
	KSU - Expand Emergency Notification System	4,580,000		4,580,000	16
	MoSU - Enhance Network/Infrastructure Resources	5,945,000		5,945,000	4
	MoSU - Enhance Library Automation Resources	1,264,000		1,264,000	19
	MoSU - Upgrade Instruct. PCs/LANS/Peripherals	5,000,000		5,000,000	24
	MoSU - Upgrade Administrative Office Systems	4,000,000		4,000,000	23
HV	MoSU - Upgrade and Expand Distance Learning	1,398,000		1,398,000	21
	MuSU - Campus Backbone 10 GigE Upgrade	853,000		853,000	26
	MuSU - ITV Upgrades to MuSU System	1,223,000		1,223,000	22
	MuSU - Campus Desktop Virtualization	1,898,000		1,898,000	27
	MuSU - Student Desktop Virtualization	1,265,000		1,265,000	31
	MuSU - IT Infrastructure for TSM & IET	625,000		625,000	29
HV	MuSU - Upgrade Campus Phone and Data Network	4,485,000		4,485,000	12
	NKU - Enhance IT Reauthorization	2,500,000		2,500,000	11
HV	NKU - Upgrade Com. & Network Systems-Add'l	4,300,000		4,300,000	12
	NKU - Enhance Admin. Systems Reauthorization	2,500,000		2,500,000	10
	NKU - Customer Relationship Management Systems	750,000		750,000	13
	UK - No General Fund IT Projects Identified				
	UofL - No General Fund IT Projects Identified				
HV	WKU - Upgrade IT Infrastructure	4,600,000		4,600,000	10
Total - IT Initiatives		\$99,267,000	\$4,000,000	\$103,267,000	
Total - High Value IT Initiatives		\$39,203,000	\$2,000,000	\$41,203,000	

Notes:

1. Items labeled HV are High Value projects.

Council on Postsecondary Education Information Technology Capital Project Review

Purpose

To define and apply an objective, disciplined, and justifiable methodology for reviewing and determining the value of information technology capital projects from the public postsecondary institutions.

Scope

Institution information technology capital projects requesting General Funds that are planned for the 2014 - 2016 biennium.

Approach

1. Institutions will submit Capital IT Projects within the CPAB system.
2. The Review Team comprised of CPE Staff and outside representatives will evaluate and score capital projects for 2012-2014 that request General Fund.
3. Any questions for the institutions will be funneled through Al Lind
4. NOTE: Team members can score criteria with any whole number between the set values of -1 to 5 if they feel the project information justifies the score
5. NOTE: Criteria determined to be "N/A" for a specific project by the panel will result in an appropriate decrease in the scoring weight
6. Review Team members will consolidate scores and rank projects based upon scoring against Business Value and Risk Factor criteria

Capital Project Review Criteria

Each proposed information technology capital project will be evaluated against two sets of criteria: Business Value and Risk Factors. Project ranking will be assessed against each component on a scale of -1 to 5, with each assigned ranking being explicitly defined. An objective score will be derived based upon an evaluation of the project as submitted to the Capital Planning Advisory Board, and upon a presentation and interactive discussion conducted with each agency's information technology officer.

Business Value

Business Case

Has a business case been prepared and submitted to include such items as Business Need/Benefits, High-level Requirements and/or Features, Expected Risks, Critical Success Factors, Assumptions, Return on Investment (quantitative or qualitative), and Mean Time to Pay Back? Does the business case show a large and rapid justification for the investment?

Efficiency

Does the project outline demonstrable and quantifiable savings, revenue generation, or cost avoidance? Does the project provide additional transparency or accountability? Are efficiency gains SMART (Specific, Measurable, Achievable, Realistic and Relevant, Time-limited)?

Executive Sponsorship

How important is the technology project considered among the entire cabinet's capital project priorities?

Service Improvement

Does the proposed project automate existing processes, or are processes being redefined prior to automation? Does the proposed project provide new online services to citizens or business? Does the proposed project support or directly enable the success of other project(s) either within the agency or across agencies?

Improved Quality of Life for Citizens

Will the project directly affect an improved quality of life for a majority of Kentucky citizens through improved public health, education, safety, infrastructure, environmental issues, economic development or similar enterprise initiatives?

Risk Factors

Total Cost of Ownership

What is the TCO of the project (includes hardware, software, state staffing, vendors/contractors, support and maintenance for the life of the initiative, etc)?

Data Classification

Will the system contain personally identifiable data (PID) defined as 'sensitive' or above within Enterprise Architectural Standards subdomain 4080 (<https://gotsource.ky.gov/docushare/dsweb/Get/Document-301107/>)? If so, how will this information be safeguarded within the system to deter identity theft?

Solution Definition

What is the anticipated level of effort to customize, develop, invent, or create the proposed solution?

Implementation Timeline

How quickly will the project be implemented, and how quickly will the Commonwealth see a Return on Investment? Will the implementation be all at once ('big bang') or will the functionality be implemented in multiple, smaller phases or deliverables?

Level of Complexity

What is the level of effort and technical complexity required to make the project successful? Is the expertise to implement fully in-house or will contract staff be needed for some period of time? Are there skill sets currently available in-house to be used to manage the Vendor(s) that provide the solution? Has the Agency undergone a major system implementation in the last five (5) years? What business process re-engineering and change management efforts will be implemented as part of the project?

Information Technology Capital Project Review Process

Business Value	Wt	-1	1	3	5	Max Score
Business Case & Justification	6	None Provided	Minimal Information or Justification	Some level of detail but not clear or logical	Detailed, complete explanations with Total Cost of Ownership, return on investment, etc	30
Efficiency Includes Cost Savings or Avoidance, Revenue, or Accountability	6	None identified	Negligible or minimal opportunity	Significant opportunity expected; not quantified	Quantified, significant opportunity	30
Executive Sponsorship	6	Bottom 10% organization priority	Lower 50% organization priority	Upper 50% organization priority	Top 10% organization priority	30
Service Improvement thru Shared Services	6	Single use application on dedicated server(s)	Some modular components with partial use of existing hardware	Modular, new component development with partial use of existing hardware	Reuse of largely existing components with full use of existing hardware	30
Improved Quality of Life for Citizens	6	Does not relate	Indirectly Supports	Directly affects a small percentage of KY citizens	Directly affects a large percentage of KY citizens	30
Scoring Weight	30					Subtotal 150

Risk Factors	Wt	-1	1	3	5	Max Score
Total Cost of Ownership (from Business Case)	6	>100M	50M to 75M	10M to 25M	< 5M	30
System will Contain Data Classified as 'Sensitive' or above within EAS 4080	6	No determination of data content	No Explanation of how PID will be safeguarded	Partial Explanation of how PID will be safeguarded	Detailed Explanation of how PID will be safeguarded	30
Solution Definition	6	Solution must be developed from scratch or customized >25%	Solution must be moderately customized (>10% to < 25%)	Solution is readily available with minor customization expected (<10%)	Solution is readily available with no customization or replicated from previous success	30
Implementation Timeline	6	Phases > 2 years or 'Big Bang'	Phases > 1 year but < 2 years	Phases < 1 year but > 6 months	Phases < 6 months	30
Level of Complexity	6	Difficult	High	Medium	Low	30
Scoring Weight	30					Subtotal 150

Appendix D

Report On Kentucky's Bonded Indebtedness

During each biennial capital planning process, it has been the practice of the Capital Planning Advisory Board to receive a report regarding the commonwealth's debt position.

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Majority Whip
John Carney
Minority Whip

MEMORANDUM

To: Capital Planning Advisory Board

From: Kristi Culpepper, Staff Administrator
Capital Projects and Bond Oversight

Subject: Kentucky's Bonded Indebtedness

Date: September 5, 2013

State governments commonly issue notes and bonds to finance various types of public projects. Issuing debt allows the state to undertake and reap the benefits of projects earlier than if the state had to accumulate sufficient cash to fund projects outright.

However, relying on debt to fund projects also involves both real and opportunity costs. First, the state must pay interest to investors in addition to the direct costs of the project. The additional interest cost is determined by market conditions and the perceived risk that the state would not be either willing or able to make debt service payments according to the bonds' terms. Generally, investors demand higher interest rates when there appears to be a greater risk that the borrower might default on its obligations. A lower perceived risk of default, on the other hand, results in lower interest rates and lower costs for financing projects. Second, as the state's outstanding debt increases, the amount of money that policymakers must appropriate to pay debt service also increases. Along with other long-term obligations like actuarially required pension contributions and the annual use allowance payments tied to local court facility bonds, the state's outstanding debt represents a relatively inflexible commitment that competes with policymakers' programmatic priorities for funding.

This memorandum analyzes the historic, current, and projected debt position of the Commonwealth of Kentucky. It addresses three factors that influence the cost of issuing new debt: the state's debt structure, financial situation, and revenue performance. It also discusses the impact various financial practices have had on the state's credit profile and the evaluation of Kentucky's debt by the three primary credit rating agencies: Moody's Investors Service (Moody's), Standard and Poor's (S&P), and Fitch Ratings.

PART ONE: AN OVERVIEW OF KENTUCKY'S DEBT-ISSUING AUTHORITIES

Appropriation-Supported Debt

Appropriation-supported debt is specifically authorized by the General Assembly in an appropriations bill (such as the state budget). This debt could potentially be issued in two forms, which are distinguished by the security pledged for the repayment of the debt: (1) general obligation bonds, or (2) project revenue bonds.

General obligation bonds are backed by a state's full faith, credit, and authority to levy taxes. Kentucky is one of 10 states that do not have any outstanding general obligation debt.¹ Section 50 of the Kentucky Constitution requires that general obligation bond issues in amounts exceeding \$500,000 be approved by voter referendum. Kentucky has not issued general obligation bonds since 1965 and retired the last outstanding general obligation bonds in 1995.

Moody's and S&P both assign issuer credit ratings to Kentucky that are effectively what the state's general obligation rating would be if the state issued general obligation debt. The ratings are Aa2 with a negative outlook from Moody's and AA- with a negative outlook from S&P. Ratings definitions are provided in **Appendix I** of this memorandum.

The rating agencies have published reports explaining their methodologies for assigning ratings to US states. Moody's April 2013 *US State Rating Methodology* included its *US States Scorecard* (**Appendix B**), which summarizes the economic, governance, financial, and debt criteria that the agency considers and the weight each is given in the rating process.

Project revenue bonds are supported by the revenues generated by the project financed with bond proceeds. Kentucky has various authorities that issue lease appropriation-supported project revenue bonds. The bonds are secured by a pledge of lease rental payments (which correspond to the debt service on the bonds) from the Finance and Administration Cabinet. The debt service payments are made pursuant to the terms of various lease agreements, which are automatically renewed for successive budget biennia unless terminated by the cabinet or state agency.

Debt service payments are subject to biennial appropriation in the state budget. The lease agreements require the cabinet or state agency to seek sufficient legislative appropriations to pay the debt service on the bonds in each budget biennium. The General Assembly has no obligation to make appropriations for debt service payments, and the cabinets have no obligation to renew the leases associated with the bonds. In the event of non-appropriation, the lease agreements are not secured by any interest in or lien on the properties being financed. However, market participants expect the state to repay the funds it has borrowed and failure to do so would likely make investors less willing to lend the state money in the future.

While Kentucky has never defaulted on its debt, the potential for non-appropriation has been an issue in the past with respect to budget adoption. The budgets for fiscal biennia (FB) 2002-04 and FB 2004-06 were adopted late. In the absence of a budget, the governor issued an executive order with a spending plan. The Kentucky Supreme Court in 2005 determined that the

¹ Moody's Investors Service, *2013 State Debt Medians*, May 29, 2013.

governor's spending authority in the absence of a budget is limited to spending that is statutorily or constitutionally required; federally mandated; or previously authorized by the General Assembly as a continuing appropriation.² The opinion cited debt service as an example of a continuing appropriation.

Entities Issuing Appropriation-Supported Debt

Listed below are the entities that have the authority to issue appropriation-supported debt. The debt of each entity is rated by the major credit rating agencies when the entity issues new bonds. The rating agencies may also decide to take a rating action (for example, upgrade or downgrade the debt) at any time.

State Property and Buildings Commission (Aa3 / A+ / A+)

The State Property and Buildings Commission (SPBC) was established by KRS 56.450 to provide financing for capital construction projects and programs. SPBC bonds are typically supported by General Fund revenues, although there are occasional bond issues supported by Agency or Road Fund revenues. (The latter bond issues are rated differently based on the revenues pledged.) SPBC debt must be authorized by the General Assembly.

Both Moody's and S&P's ratings carry negative outlooks, which suggest that the Commonwealth could be downgraded going forward. Moody's has maintained a negative outlook on the state's credit since April 2008. S&P changed its outlook to negative on January 13, 2013. Fitch downgraded the state's General Fund supported bonds to A+ with a stable outlook on November 8, 2012.

Kentucky Asset / Liability Commission (ratings vary by type of financing)

The Kentucky Asset / Liability Commission (ALCo) was established by KRS 56.860-.869 to provide financing for capital projects and borrow funds to meet the state's working capital needs. ALCo cannot incur debt without General Assembly authorization, with the exception of cash flow borrowings within a fiscal year.

The following are examples of ALCo financings:

- Tax and Revenue Anticipation Notes (TRANs) – TRANs are issued to meet the state's cash flow requirements in anticipation of revenues to be collected during the fiscal year.
- Project Notes – Project notes provide interim financing for projects as authorized across budget cycles. Market conditions in recent years have made it a challenge to maintain outstanding commercial paper, so projects have received partial permanent financing from SPBC or interim financing through a direct bank loan as they are ready to move forward.

²*Fletcher v. Commonwealth*, 163 S.W.3d 852 (Ky. 2005)

- Grant Anticipation Revenue Vehicle Project Notes (GARVEEs) – This debt is issued for highway and bridge projects. The required debt service on GARVEE bonds is paid from the state's future federal highway receipts.
- Kentucky Teachers Retirement System Funding Notes – These bond issues financed the state's obligations to the retirement system.

School Facilities Construction Commission (Aa3)

The School Facilities Construction Commission (SFCC) was established by KRS 157.611-.665 to assist local school districts in the construction of school buildings. SFCC debt is General Fund-supported and requires General Assembly authorization.

Kentucky Infrastructure Authority (Aa3 / A+ / A+)

The Kentucky Infrastructure Authority (KIA) was established under KRS 224A and has issued General Fund-supported debt in the past for revolving loan programs that provide assistance to local governments for infrastructure projects. KIA cannot incur debt without authorization from the General Assembly.

KIA was authorized in 2008 HB 406 (2008-10 Executive Budget) and 2010 Extraordinary Session HB 1 (2010-12 Executive Budget) to issue \$230 million and \$125 million, respectively, of Agency Fund-supported bonds for its Fund A and Fund F revolving loan programs. These bonds leverage the loan repayments KIA receives from local borrowers to make additional loans for infrastructure projects. Because the bonds are secured by the income generated by KIA's loan portfolios, these bonds are a form of asset-backed securities. They are rated Moody's Aaa; S&P AAA; and Fitch AAA.

Turnpike Authority of Kentucky (Aa2 / AA+ / A+)

The Turnpike Authority of Kentucky (TAK) was established by KRS 175.410-.990 to finance the construction and maintenance of road projects. TAK debt is supported by the Road Fund and requires General Assembly authorization.

Public Universities

KRS 56.495 authorizes the Board of Trustees of the University of Kentucky (UK) and the University of Louisville (UL) and the Board of Regents of Eastern Kentucky University, Kentucky State University, Morehead State University, Murray State University, Northern Kentucky University, and Western Kentucky University to issue bonds for consolidated education buildings and housing and dining facilities.

In the past, the universities issued bonds under two separate trust indentures: consolidated education and housing and dining.³ Beginning with UK in 2005, the universities have transitioned to general receipts trust indentures, where bonds are secured by a broad pledge of revenues, such as student registration fees; nongovernmental grants and contracts; recovery of facilities and administration costs; state appropriations; gifts; and investment income. The revenues pledged vary for each university. Some universities exclude revenues from specific operations (such as housing or athletic facilities) from their pledge of the university's general receipts.

There are also differences among the universities in the types of debt captured under the general receipts indenture. Some universities have included a general receipts pledge in specific capital leases in addition to their bond issues. For example, UK included its acquisition of Samaritan Hospital under its general receipts indenture.

Ratings for the universities vary depending on institutional factors such as:

- Market position – operating revenue, selectivity, matriculation, tuition levels, and gifts;
- Operating performance – operating cash flow margin, debt service coverage, and revenue diversity;
- Balance sheet and capital investment – cash and investments, expendable financial resources, debt levels, and liquidity;
- Governance and management – board and senior management composition, oversight and disclosure practices, self-assessment and benchmarking, and government relations; and
- Legal security and debt structure – bondholder security provisions, and external financing terms and conditions.

Moody's *US Higher Education Scorecard* is included in **Appendix E** and shows the weight Moody's gives to each of these factors when it rates a university's debt. **Table 1** provides the underlying ratings for each university's debt programs.⁴ Fitch does not rate Kentucky university debt.

³ A trust indenture is an agreement between the issuer of the debt – in this case, the university – and the trustee, which acts as a fiduciary on behalf of bondholders. The trustee is responsible for administering the funds specified in the trust indenture as those pledged for the repayment of the debt.

⁴ Northern Kentucky University also has outstanding certificates of participation that were used to fund residence hall improvements. Western Kentucky University transferred its residence halls to the university foundation as part of a conduit bond deal.

Table 1: University Ratings (Unenhanced)

University / Trust Indenture	Moody's		S&P	
	Rating	Outlook	Rating	Outlook
Eastern Kentucky University				
General Receipts	A1	Stable	A	Stable
Consolidated Education	-	-	A	Stable
Kentucky State University				
General Receipts	A2	Stable	-	-
Morehead State University				
General Receipts	A2	Stable	-	-
Consolidated Education	A2	Stable	-	-
Housing and Dining	A3	Stable	-	-
Murray State University				
General Receipts	A1	Stable	A+	Negative
Housing and Dining	-	-	A-	Stable
Northern Kentucky University				
General Receipts	A1	Stable	A	Stable
Consolidated Education	A1	Stable	-	-
Housing and Dining	A2	Stable	-	-
University of Kentucky				
General Receipts	Aa2	Stable	AA-	Stable
Consolidated Education	Aa2	Stable	-	-
University of Louisville				
General Receipts	Aa2	Stable	AA-	Stable
Consolidated Education	Aa2	Stable	AA-	Stable
Housing and Dining	Aa3	Stable	A+	Stable
Western Kentucky University				
General Receipts	A1	Stable	A	Positive
Consolidated Education	A1	Stable	-	-

University Intercept Program

Pursuant to KRS 164A.608, if the governing board of a public university is not able to make the required payments on the university's outstanding bonds, the trustee or paying agent bank is required to notify the secretary of the Finance and Administration Cabinet, which will then withhold or intercept a sufficient portion of the university's appropriated funds to make the debt service payment. Moody's and S&P treat this provision as a credit enhancement program and have issued ratings for it. Moody's rates the university intercept program Aa3 and S&P rates it A+. These ratings are the same as the agencies' ratings for the state's General Fund appropriation-supported debt and have been revised in accordance with changes in the state's own credit ratings.

The university intercept program has reduced the interest cost for regional universities because the underlying ratings on these universities' debt are below those of the intercept program.

However, Moody's and S&P rate UK and UL debt at the same level or higher than the state's General Fund appropriation-supported debt. These universities do not benefit from the intercept program when they issue new bonds.

It is worth noting that if the state's credit continues to deteriorate, the university intercept program may lose its effectiveness as a form of credit enhancement for the regional universities as well.

Administrative Office of the Courts Projects

Since the 1980s, the construction, expansion, and renovation of Administrative Office of the Courts (AOC) facilities have been financed through lease-supported debt issued by a local government public property corporation. The bonds are secured by a lease agreement with the municipality, which then subleases up to 100 percent of the facility to AOC.

Under these lease arrangements, AOC makes use allowance and operating cost allowance payments. The use allowance payment is AOC's pro-rated share of the debt service payments on the bonds based on the percentage of the court facility that AOC occupies. The operating cost allowance payments are AOC's pro-rated share of maintenance, insurance, and other costs.

The General Assembly authorizes court facilities projects and appropriates funds for AOC's use and operating cost allowance payments in the same manner that it does for other projects financed with lease appropriation-supported bonds. These projects are a recurring expenditure from the state's General Fund and are given the same ratings as the state's other appropriation-supported debt.

Table 2 shows the total General Fund-supported outstanding debt associated with local court facilities and how much will be paid down over the next ten fiscal years. As of the current fiscal year, the state has committed to make debt service payments on approximately \$777 million of outstanding debt. The debt service on this amount is \$74.6 million.

**Table 2: Total General Fund Supported Debt for
Court Facilities Projects**

Fiscal Year	Total Outstanding Debt	Court Share of Outstanding Debt	Total Payments
2014	791,633,536	776,973,000	74,614,780
2015	736,264,755	722,618,900	76,946,738
2016	680,909,543	668,340,300	76,903,492
2017	629,302,656	617,634,900	77,118,744
2018	575,994,205	565,182,200	76,413,624
2019	521,823,775	511,882,400	75,709,768
2020	465,982,992	456,946,100	75,777,876
2021	408,421,395	400,336,200	75,365,180
2022	348,671,321	341,574,800	75,114,585
2023	293,968,029	287,800,100	71,771,070

Source: Administrative Office of the Courts. "Total payments" excludes administrative and trustee fees.

Eastern State Hospital Project Bonds

In June 2011, the Lexington-Fayette Urban County Government Public Facilities Corporation issued \$138,635,000 of lease revenue bonds to replace Eastern State Hospital in Lexington. The Finance and Administration Cabinet and the Cabinet for Health and Family Services entered into a ground lease with the corporation for the project site. Under the ground lease, the state will pay rent to the corporation during biennial renewal terms which will provide funds sufficient to pay the debt service on the bonds.

Along with the debt issued to finance the construction of court facilities, market participants consider this the state's debt even though it was issued by a local government.

Entities Issuing Non-Appropriation-Supported Debt

Both the Kentucky Housing Corporation (KHC) and the Kentucky Higher Education Student Loan Corporation (KHESLC) issue asset-backed securities, which are bonds that are repaid from income generated by their respective loan portfolios. There are statutory limits on the amount of debt that these entities are authorized to assume. KRS 198A.090 limits KHC's outstanding debt to \$5 billion. Likewise, KRS 164A.080 limits KHESLC's outstanding debt to \$5 billion.

Kentucky Housing Corporation (Aaa / AAA)

KHC provides mortgage loans to low- and moderate-income homebuyers by issuing tax-exempt and taxable revenue bonds. The corporation borrows money from investors in the bond market and uses the borrowed funds to originate mortgage loans. KHC then uses the monthly mortgage payments it receives from homebuyers to repay the bondholders the amount it has borrowed with interest.

In October 2009, the Capital Projects and Bond Oversight Committee approved KHC's participation in the US Treasury's New Issue Bond Program. Bonds issued under this program were securitized by Fannie Mae and Freddie Mac and were privately placed with the US Treasury. This program was made available to assist state housing finance agencies following the financial crisis.

At the end of FY 2013, KHC had \$1,430,000,000 of outstanding debt.

All of KHC's mortgage bonds are considered moral obligation debt of the state. The bond issues have a covenant requiring KHC to request funds from the governor and the General Assembly sufficient to pay the debt service on the bonds in the event that KHC has a shortfall.

Kentucky Higher Education Student Loan Corporation (AA+ / AAA)

In the past, the Kentucky Higher Education Student Loan Corporation (KHESLC) offered student loans to residents of Kentucky and Alabama under the Federal Family Education Loan Program (FFELP). Repayment of FFELP loans was guaranteed by federally designated agencies

– in this case, the Kentucky Higher Education Assistance Authority – and reinsured by the federal government.

KHESLC issued tax-exempt and taxable revenue bonds and used the proceeds to make student loans. The majority of KHESLC's debt was issued as auction rate securities (ARS), a type of variable rate debt, to match the variable rate subsidy that KHESLC received from the federal government. KHESLC, like many other student lenders, was adversely affected when the ARS market collapsed in early 2008.

FFELP has since been replaced with a direct lending program from the federal Department of Education, which is funded through US Treasury borrowings. KHESLC's operations are now mostly restricted to servicing outstanding loans.

KHESLC has restructured the trust estates that involve ARS and variable rate demand obligations, which require increasingly expensive credit facilities.

At the end of FY 2013, KHESLC had \$1,287,015,000 of outstanding debt.

Conduit Revenue Bonds

Both KHC and the Kentucky Economic Development Finance Authority issue conduit revenue bonds. In a conduit bond issue, the bonds are issued on behalf of a third party, such as a private, for-profit business or a 501(c)(3) organization. The bonds are not considered a debt obligation of the issuer, but are backed solely by the credit of the third party or the revenues produced by the project being financed.

PART TWO: TRENDS IN DEBT ISSUANCE

Outstanding Appropriation-Supported Debt

Table 3 shows the state's outstanding appropriation-supported debt at the end of each biennium since FY 2004 and projects what the balance will be in FY 2014 and FY 2016.

The projected debt balances: (1) assume that all of the appropriation-supported debt that has been authorized by the General Assembly in the current and previous budget bills including other appropriations bills will be issued by the end of FY 2014 at current market rates; and (2) account for the restructuring of General and Road Fund supported debt for budgetary relief in previous biennia. The projected debt balance for FY 2016 does not include any debt that the General Assembly may authorize in the upcoming budget cycle.

The projected debt balances exclude Grant Anticipation Revenue Vehicle (GARVEE) debt authorized to finance highway and bridge projects, for which the debt service is paid from future federal highway appropriations. At the end of FY 2013, there was \$347,645,000 of GARVEE bonds outstanding. There is currently \$566,000,000 of authorized but unissued GARVEE bonds.

The debt balances also exclude leverage bonds issued by KIA. At the end of FY 2013, KIA had \$295,890,000 of leverage bonds outstanding.

Table 3: Appropriation-Supported Debt, FY 2004 to FY 2016 (Projected) (\$ thousands)

	Actual Debt Balance 6/30/2004	Actual Debt Balance 6/30/2006	Actual Debt Balance 6/30/2008	Actual Debt Balance 6/30/2010	Actual Debt Balance 6/30/2012	Projected Debt Balance 6/30/2014	Projected Debt Balance 6/30/2016
Authorities							
State Property and Buildings Commission and Asset/Liability Commission	2,430,418	2,677,478	4,084,955	4,912,325	5,796,995	4,971,145	3,560,780
Turnpike Authority	672,693	941,576	734,026	1,252,870	1,421,880	1,277,975	1,222,135
School Facilities Construction Commission	675,087	730,978	835,360	798,526	904,045	844,126	710,352
Kentucky Infrastructure Authority	154,205	132,285	108,355	80,840	13,070	8,160	5,670
Subtotal	3,932,403	4,482,317	5,762,696	7,044,561	8,135,990	7,093,246	5,498,937
Universities (General Fund Supported Debt)							
EKU	17,425	10,390	5,360	1,515	0	0	0
KCTCS	0	0	0	0	0	0	0
KSU	6,665	4,315	2,690	935	0	0	0
MoSU	9,995	7,665	5,530	3,660	1,650	495	410
MuSU	6,905	3,535	1,395	720	0	0	0
NKU	26,215	17,695	10,840	5,800	955	0	0
UK	31,875	18,020	9,140	2,625	0	0	0
UL	83,855	62,155	43,860	28,930	13,450	4,180	0
WKU	16,000	10,220	5,005	1,045	0	0	0
Subtotal	198,935	133,995	83,820	45,230	16,055	4,675	410
Total Authorities and General Fund Debt	4,131,338	4,616,312	5,846,516	7,089,791	8,152,045	7,097,921	5,499,347
Agency Supported Debt							
EKU	31,290	26,760	26,615	33,880	50,665	60,315	50,765
KSU	2,605	1,875	5,535	4,875	4,165	3,405	2,980
MoSU	21,065	17,820	18,320	49,695	54,695	48,990	43,055
MuSU	11,222	25,705	38,950	43,360	46,075	56,800	50,420
NKU	15,690	14,210	80,750	80,380	92,870	84,645	75,325
UK	205,575	202,310	136,765	251,485	247,490	226,875	205,970
UL	42,865	41,900	77,455	152,480	192,500	174,867	157,787
WKU	21,880	20,160	69,275	109,385	133,890	120,485	106,725
KRA	0	0	0	0	0	0	0
Total Agency Debt	352,192	350,740	453,665	725,540	822,350	776,382	693,027
Total Appropriation-Supported Debt	4,483,530	4,967,052	6,300,181	7,815,331	8,974,395	7,882,463	6,726,789

Source: All balances for FY 2004 to FY 2012 are from the Commonwealth of Kentucky *Supplement to the Comprehensive Annual Financial Report*. Figures for FY 2014 and FY 2016 are staff calculations. Numbers may not add up due to rounding.

Authorized Appropriation-Supported Debt

Table 4 shows the new debt authorized by the General Assembly in the budget and other appropriations bills for each biennium since FB 1986-88, including the current biennium.

**Table 4: New Appropriation-Supported Debt
Authorized FY 1986-2014**

Fiscal Biennium	New Debt Authorized (\$)
1986-88	494,721,100
1988-90	364,171,900
1990-92	1,148,218,400
1992-94	439,375,100
1994-96	429,575,900
1996-98	242,182,000
1998-00	1,095,128,000
2000-02	1,046,927,600
2002-04	828,936,380
2004-06	1,906,315,300
2006-08	2,100,528,000
2008-10	2,015,494,000
2010-12	1,549,199,800
2012-14	630,258,000

Source: 2012-14 Budget of the Commonwealth, Budget in Brief.
FB 2012-14 was adjusted to reflect debt authorized after the budget was enacted.

The amount of debt authorized by the legislature steadily decreased throughout the 1980s. Authorized debt more than tripled at the beginning of the 1990s, exceeding \$1 billion and remained at nearly half that level for the next three biennia. In FB 1998-00, the amount of new debt authorized once again exceeded \$1 billion.

The General Assembly authorized close to or above \$2 billion in new debt for the next four biennia, a significant fraction of which funded local projects. The amount of new debt authorized for the current biennium – approximately \$630 million – is well below that level.

A similar trend has played out in the municipal bond market as a whole. **Table 5** shows new issuance in the municipal bond market from calendar year (CY) 2004 to 2013. The municipal bond market set the record for annual debt issuance in CY 2010 with \$433.3 billion of new bonds as state and local governments tried to issue bonds ahead of the expiration of the Build America Bond (BAB) program.

New issuance has since decreased, with \$379.3 billion of new bonds issued in CY 2012, most of which was issued to refund existing debt at lower interest rates.

**Table 5: New Issuance of Municipal Bonds Nationally
Calendar Years 2004-2013 (Year-to-Date) (\$ thousands)**

Calendar Year	New Money	Refunding	Combined	Total New Issuance
2004	228,919,000	88,405,300	42,423,300	359,747,600
2005	221,207,300	130,916,300	56,159,200	408,282,800
2006	258,362,700	79,170,300	51,305,300	388,838,300
2007	274,285,000	75,874,400	79,734,300	429,893,700
2008	208,225,000	108,603,600	72,803,200	389,631,800
2009	261,331,600	86,455,900	61,901,000	409,688,500
2010	279,770,800	98,515,800	54,982,200	433,268,800
2011	146,220,400	90,392,100	51,105,900	287,718,400
2012	146,246,200	157,985,300	75,071,300	379,302,800
2013 (YTD)	70,605,800	70,411,500	34,434,400	175,451,700

Source: Thomson Reuters.

Authorized but Unissued Debt

Table 6 provides the amount of debt that has been authorized by the General Assembly but has not yet been issued.

Table 6: Authorized but Unissued Debt

Authorization	Amount (\$)
General Fund	
2005 Regular Session	2,000,000
2006 Regular Session	16,500,000
2007 2 nd Extraordinary Session	95,000,000
2008 Regular Session	2,200,000
2010 Extraordinary Session	65,949,000
2012 Regular Session	32,520,000
SFCC Offers of Assistance	100,000,000
Subtotal	314,169,000
Agency Fund	
2010 Extraordinary Session	32,983,531
2012 Regular Session	13,786,960
2013 Regular Session	375,968,000
Subtotal	422,738,491
Road Fund	
2010 Extraordinary Session	410,500,000
2012 Regular Session	12,500,000
Subtotal	423,000,000
Total Authorized but Unissued Debt	1,159,907,491

Source: Office of Financial Management.

Debt Indicators

While the amount of debt authorized does provide some information about trends, it does not show how the level of debt compares to the state's potential to meet its obligations. The level of debt a state can comfortably support depends upon the state's ability to generate sufficient revenues to meet its priorities. These priorities include both debt service payments and the various programs funded by the state. Therefore, analysts typically compare a state's debt level to its revenues and its ability to collect revenues. There are four indicators used by Kentucky policymakers and market participants in gauging whether the state will have enough resources to make its debt service payments: (1) debt as a percent of revenues; (2) debt per capita; (3) debt as a percent of personal income; and (4) debt as a percent of the state's gross domestic product (GDP).

Debt as a Percent of Revenues

Debt service is the sum of principal and interest payments that the state is required to make to bondholders in the course of a year. The ratio of debt service to revenues represents the percentage of Kentucky's annual operating budget devoted to paying off existing debt. State policymakers in the past have determined that a General, Agency, and Road Fund-supported debt service of six percent of total revenues represents a reasonable debt burden.

Scenario Analysis

This memorandum examines the state's debt as a percent of revenues under two interest rate scenarios, assuming that the authorized but unissued debt is issued by the end of the current fiscal biennium at: (1) current market interest rates for A-rated credits; and (2) current market interest rates for A-rated credits plus one percent.

Current market rates are based on Municipal Market Data daily yields and are 3.61 percent for 10-year debt and 4.88 percent for 20-year debt.⁵

The purpose of using two scenarios in projecting the state's appropriation-supported debt service to revenues is to account for a more volatile interest rate environment. As the economy recovers, investors rotate out of bonds and into riskier asset classes, which drives bond prices down and yields up. The bond market has also begun to anticipate the end of extraordinarily accommodative monetary policy.

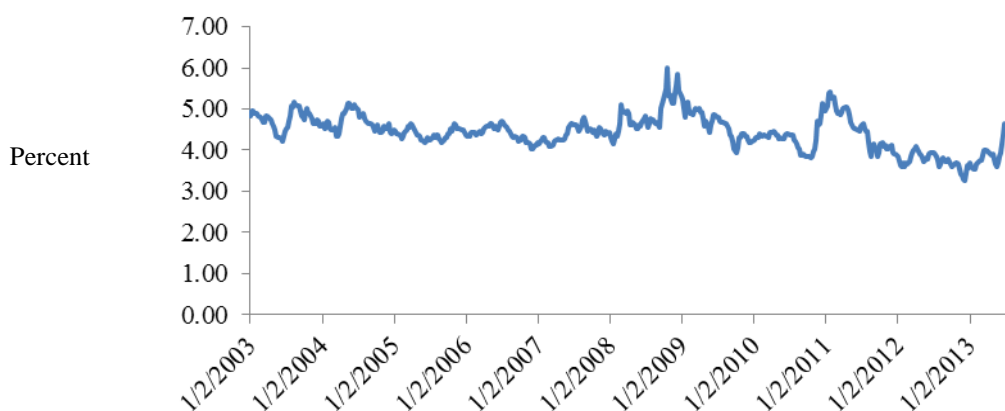
Policymakers might consider using higher interest rate assumptions in crafting the next budget than those used in this report. This report is making assumptions about movements in interest rates during the fiscal year; the budget involves a longer time horizon and more interest rate volatility can be expected.

Figure 1 shows the *Bond Buyer* 20-Bond GO Index from January 2003 to August 2013. The 20-Bond GO Index is one of the benchmarks analysts use to track interest rates in the municipal bond market. The index is comprised of general obligation bonds maturing in 20 years with an

⁵ Municipal Market Data (Thomson Reuters) General Obligation Yields as of August 16, 2013.

average rating equivalent to Moody's Aa2 and S&P AA. Interest rates in the municipal bond market have been trending upward and there have been some pronounced bond market sell-offs this year. This suggests Kentucky is likely to have higher borrowing costs as the state issues bonds going forward.

Figure 1: Bond Buyer 20-Bond GO Index (2003 to Present)



Source: Bloomberg.

General and Road Fund revenues are based on the planning estimates that the Consensus Forecasting Group (CFG) adopted on August 15, 2013. Agency Fund revenues are based on actual FY 2013 receipts and assume no growth. **Appendix A** of this report provides additional information on the revenue estimates.

The full debt service for outstanding BABs is used and the federal subsidies that issuers receive are treated as an additional revenue source. This reflects the fact that state issuers are legally responsible for making the full debt service payment regardless of whether the federal government makes its committed subsidy payments.

The federal government cut BAB subsidy payments under sequestration. These reductions are reflected in revenue figures for every issuer except UL.

Table 7 shows the state's appropriation-supported debt service as a percent of General, Agency, and Road Fund revenues for each biennium since FY 1994.

Table 7: Appropriation-Supported Debt Service as a Percent of Total Revenues Historically

Fiscal Year	Percent
1994	5.90
1996	5.62
1998	5.27
2000	5.90
2002	5.18
2004	5.39
2006	4.89
2008	5.16
2010	2.97
2012	5.78

Source: 2012-14 Budget of the Commonwealth, Budget in Brief, with staff calculations.

Table 8 provides estimates of what the ratio would be given the above interest rate scenarios for FY 2014 to FY 2016. The state is expected to stay below the 6 percent threshold if the authorized but unissued debt is issued at current market rates but not as interest rates increase.

Table 8: Appropriation-Supported Debt Service as a Percent of Revenues under Two Interest Rate Scenarios

Fiscal Year	Market Interest Rates	Market Interest Rates Plus 1 Percent
2014	5.87	6.49
2016	6.11	6.72

Source: Staff calculations.

Problems with Using this Indicator as a Proxy for Debt Capacity

Policymakers tend to regard the gap between the state's actual appropriation-supported debt service as a percent of revenues and the six percent threshold as the state's capacity to issue additional debt. There are several problems with this approach.

Market Participants Consider Other Factors

While some market participants recognize that policymakers use this particular ratio as a tool for disciplining spending, market participants consider a number of factors in determining whether a state's debt burden is affordable. (These other factors – such as enacting a structurally balanced budget, accumulating reserves, managing pension liabilities, and economic trends impacting the state's tax base – are discussed at length later in the report.) Using this ratio as a proxy for the state's debt capacity ignores aspects of the state's credit that can have a significant impact on the state's borrowing costs.

Calculation Does Not Account for the Bonds' Security

Using aggregate figures suggests that all General, Agency, and Road Fund revenues can be used to retire all General, Agency, and Road Fund bonds. The security for these bonds is different, however, and there are legal and practical limitations on how those revenues can be used. For example, Section 230 of the Kentucky Constitution limits the use of Road Fund revenues to the payment of highway obligations; the construction, maintenance, and repair of highways and bridges; and the expense of enforcing traffic and motor vehicle laws. Road Fund revenues could not be used to offset increased leverage in the General Fund.

The calculation also combines tax-supported debt with debt that is self-supported, such as university general receipts debt. One argument for including university debt in this ratio has been that the universities issue debt that receives credit enhancement through the state university intercept program. As noted earlier, only the regional universities benefit from the intercept program because UK and UL have equivalent or higher ratings than the state's appropriation-supported debt. Also, a similar intercept program exists for school bonds under KRS 160.160, but that debt has traditionally been excluded from calculations.

The debt burden of each of these fund sources varies widely when not presented in the aggregate. For FY 2014, the estimated ratio of General Fund debt service to General Fund revenues is 7.01 percent. The ratio of Agency Fund debt service to Agency Fund revenues is 2.35 percent. Finally, the ratio of Road Fund debt service to Road Fund revenues is 9.72 percent.

Some General Fund Supported Debt is Excluded

Approximately \$916 million of General Fund appropriation-supported debt issued to finance the construction of court facilities and Eastern State Hospital has historically been excluded from the calculation. Excluding this debt makes the General Fund seem less leveraged than it actually is.

When this debt is included, the estimated ratio of General Fund debt service to General Fund revenues for FY 2014 is 7.87 percent. The ratio in aggregate becomes 6.38 percent, which exceeds policymakers' six percent threshold.

The rating agencies have discussed this discrepancy between the state's actual General Fund supported debt and the amount of debt included in the calculation in their reports.⁶ This suggests the rating agencies believe state policymakers have identified a tool for disciplining spending, but it has not been used in that way.

Ratio is Distorted by Debt Restructurings

In previous fiscal biennia, the state restructured outstanding General Fund and Road Fund supported debt through six transactions for the purpose of providing budgetary relief. Those transactions include SPBC Project No. 90, 93, 95, 98, and 100 and the TAK 2010 Series A bond issue.

⁶ For example, see Moody's Investors Service, *Moody's Assigns Aa3 rating to Kentucky State Property and Buildings Commission \$144.4 million Revenue and Revenue Refunding Bonds*, Project No. 106.

These debt restructurings were non-traditional refunding transactions. A refunding replaces outstanding bonds with new bonds that have different terms. In a traditional economic refunding, the state would replace outstanding debt with new debt at a lower interest rate and thus realize a positive net present value savings. With the debt restructurings, however, the state extended the serial maturity dates on the existing debt, thereby pushing the amount the state currently has to pay on its debt out into later fiscal years. While this reduced the state's required debt service payments during the fiscal biennium, the state will be paying additional interest on the debt over the life of the bonds.

Table 9 shows the cash flow savings and additional interest cost associated with the General Fund supported debt restructuring transactions by fiscal year. Cash flow savings refers to the existing debt service payments that do not have to be made in a given fiscal year because principal due has been pushed out into later years.

**Table 9: General Fund Debt Restructurings
Cash Flow Savings / (Additional Interest Cost) (\$)**

Fiscal Year	SPBC 90 Oct 2008	SPBC 93 Feb 2009	SPBC 95 July 2009	SPBC 98 July 2010	SPBC 100 July 2011	Totals
2009	42,172,965	580,593	0	0	0	42,753,558
2010	(3,573,394)	51,075,657	111,681,870	0	0	159,184,133
2011	(3,573,894)	(2,391,675)	(16,153,933)	139,828,140	0	117,708,638
2012	(3,573,469)	(2,391,675)	(6,885,205)	(6,433,543)	127,343,240	108,059,348
2013	(3,574,606)	(2,391,675)	(4,727,576)	(6,433,542)	(5,833,175)	(22,960,574)
2014	(3,573,344)	(2,391,675)	(7,692,201)	(6,433,543)	(5,833,175)	(25,923,938)
2015	(3,571,597)	(2,391,675)	(17,195,551)	(6,433,542)	(5,833,175)	(35,425,540)
2016	(3,573,175)	(2,391,675)	(17,199,819)	(6,433,543)	(5,833,175)	(35,431,387)
2017	(3,572,900)	(20,956,675)	(17,195,386)	(6,433,542)	(5,833,175)	(53,991,678)
2018	(3,570,781)	(17,962,850)	(17,196,612)	(6,433,543)	(5,833,175)	(50,996,961)
2019	(3,574,438)	(14,703,425)	(17,195,837)	(6,433,542)	(26,498,300)	(68,405,542)
2020	(3,572,431)	0	(17,195,446)	(15,662,588)	(26,501,300)	(62,931,765)
2021	(3,574,675)	0	(2,261,515)	(54,847,197)	(26,498,175)	(87,181,562)
2022	(3,574,472)	0	0	(74,506,381)	(26,500,025)	(104,580,878)
2023	(3,573,322)	0	0	0	(26,501,437)	(30,074,759)
2024	(3,570,050)	0	0	0	0	(3,570,050)
2025	(3,572,375)	0	0	0	0	(3,572,375)
2026	(3,574,525)	0	0	0	0	(3,574,525)
2027	(3,572,737)	0	0	0	0	(3,572,737)
2028	(3,571,600)	0	0	0	0	(3,571,600)
2029	(3,570,562)	0	0	0	0	(3,570,562)
Total	(29,285,382)	(16,316,750)	(29,217,211)	(56,656,366)	(40,155,047)	(171,630,756)

Source: Office of Financial Management.

Additional interest cost is net of any economic refunding components of the transactions.

Table 10 shows the cash flow savings and additional interest cost associated with the state's Road Fund supported debt restructuring.

**Table 10: Road Fund Debt Restructuring
Cash Flow Savings / (Additional Interest Cost) (\$)**

Fiscal Year	TAK 2010 A June 2010
2009	0
2010	81,434,779
2011	(3,180,756)
2012	(3,128,613)
2013	(8,723,612)
2014	(21,453,738)
2015	(21,455,687)
2016	(21,461,088)
2017	(11,660,687)
Total	(9,629,402)

Source: Office of Financial Management.

Because of these restructurings, the state did not have to make \$427.7 million in General Fund supported debt service payments from FY 2009 to FY 2012 and \$81.4 million of Road Fund supported debt service payments in FY 2010. These restructurings have had the effect of artificially lowering the ratio of debt service to revenues.

The state will be paying \$171.6 million more in General Fund-supported debt service and \$9.6 million in Road Fund-supported debt service over the life of the bonds due to the restructurings.

Debt Indicators Used by the Rating Agencies

While state policymakers focus on the state's debt service as a percent of revenues, the rating agencies and market analysts often cite debt per capita, debt as a percent of personal income, and debt as a percent of the state's GDP as indicators of whether the state is issuing a manageable level of debt. These measures convey important information regarding how a state's debt burden has changed with respect to its tax base.

Moody's ranks states according to these indicators in its *2013 State Debt Medians* report. **Appendix C** shows these indicators for Kentucky and the national medians for CY 2012. Moody's credit analysts have mentioned these indicators in their ratings of debt issues to explain that Kentucky has a high debt burden relative to other states.

It is important to note that Moody's provides these statistics on a calendar year basis while staff calculations are provided on a fiscal year basis.

Moody's also makes a distinction between what the rating agency considers net tax-supported debt and gross debt. Moody's defines net tax-supported debt as "debt that is secured by state taxes or other operating resources which could otherwise be used for state operations, net of

obligations that are self-supporting from pledged sources other than state taxes or operating expenses.” Net tax-supported debt is what Moody’s uses in calculating its debt statistics.

Moody’s also tracks states’ gross debt, which “captures debt supported by revenues other than state taxes and general resources. This includes self-supporting general obligation debt, special assessment bonds, and contingent debt liabilities that may not have direct tax support but represent commitments to make debt service payments under certain conditions (e.g. state guarantees and bonds backed by moral obligation pledges that have never been tapped).” Moody’s does not use this figure in calculating its debt statistics, however.

Appendix D shows which debt issued by Kentucky’s various debt issuing authorities is included in net tax-supported debt; gross debt; and indirect and moral obligation debt.

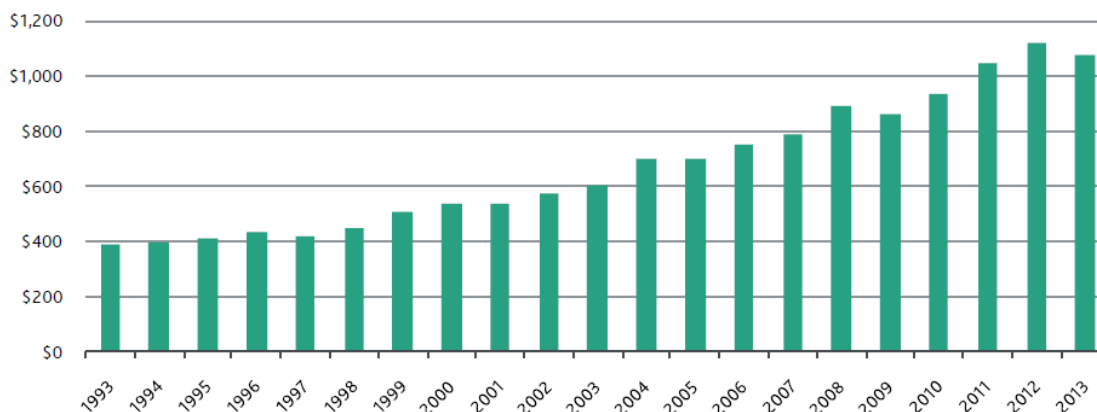
The debt issued by Kentucky’s regional universities is included in gross debt because it is subject to the state intercept. It is not considered net tax-supported debt, however, and is excluded from Moody’s state debt statistics.

Debt issued by UK and UL is not included in gross debt because it does not benefit from the state intercept from a credit perspective. It is also not considered net tax-supported debt and is excluded from the rating agency’s debt statistics.

Debt Per Capita

Moody’s ranks Kentucky 11th in the nation in net tax-supported debt per capita at \$1,998. The average debt per capita for CY 2012 was \$1,416 and the median was \$1,074. **Figure 2** shows the national median debt per capita since CY 1992 (i.e. the 1993 report). While the median debt per capita has increased over the period, debt per capita fell 4 percent during the previous calendar year.

Figure 2: Median Net Tax-Supported Debt Per Capita Historically



Source: Moody’s Investors Service, *2013 State Debt Medians*.

Table 11 shows staff calculations of total appropriation-supported debt per capita from FY 1994 through the current and next biennia (projected). Debt per capita increased as the amount of new debt authorized increased. With the lower level of debt authorized in the current biennium, it is expected to begin to decline.

**Table 11: Appropriation-Supported
Debt Per Capita 1994-2016 (projected)**

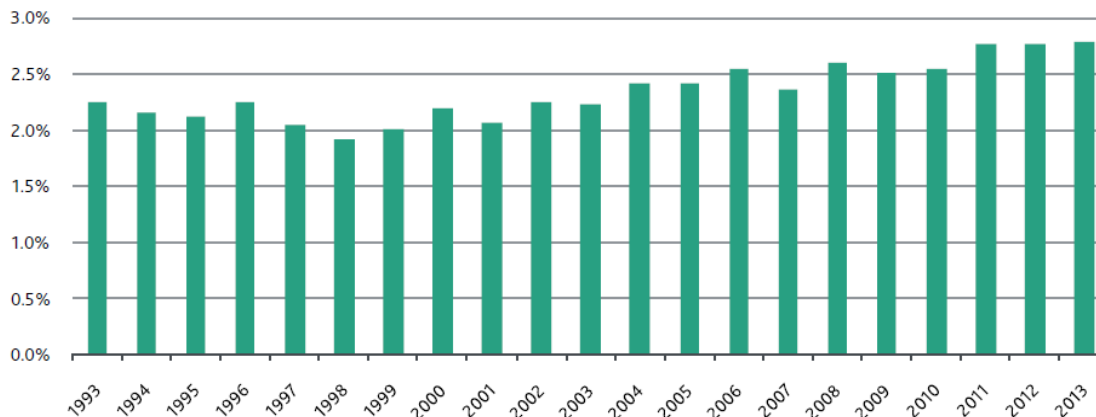
Fiscal Biennium	Debt Per Capita
1994	990
1996	973
1998	873
2000	880
2002	1,094
2004	1,081
2006	1,181
2008	1,476
2010	1,812
2012	2,049
2014 (projected)	1,799
2016 (projected)	1,536

Source: United States Census Bureau; Commonwealth of Kentucky, Comprehensive Annual Financial Reports. Staff calculations.

Debt as a Percent of Personal Income

Moody's ranks Kentucky 8th in the nation in net tax-supported debt as a percent of personal income at 5.9 percent. The average debt as a percent of personal income for CY 2012 was 3.4 percent and the median was 2.8 percent. **Figure 3** shows the national median debt as a percent of personal income since CY 1992 (i.e. the 1993 report). The median debt as a percent of personal income has remained mostly flat over the period.

**Figure 3: Median Net Tax-Supported
Debt as a Percent of Personal Income Historically**



Source: Moody's Investors Service, 2013 State Debt Medians.

Table 12 shows staff calculations of total appropriation-supported debt as a percent of personal income from FY 1994 through the current and next biennia (projected). This measure is also expected to decline with lower levels of new debt authorized.

**Table 12: Appropriation-Supported
Debt as a Percent of Personal Income 1994-2016 (projected)**

Fiscal Biennium	Percent
1994	6.00
1996	5.50
1998	4.50
2000	3.60
2002	4.30
2004	3.90
2006	4.02
2008	4.64
2010	5.40
2012	5.85
2014 (projected)	5.14
2016 (projected)	4.38

Source: United States Bureau of Economic Analysis Regional Accounts;
Commonwealth of Kentucky, Comprehensive Annual Financial Reports. Staff calculations.

Debt as a Percent of Kentucky's GDP

Moody's has only included this measure in its reports for two years. Kentucky ranks 7th in the nation in net tax-supported debt as a percent of the state's GDP at 5.31 percent. The average was 2.92 percent and the median was 2.47 percent. In the previous report, Kentucky ranked 5th in the nation at 5.45 percent.

PART THREE: FINANCIAL PRACTICES AFFECTING DEBT AFFORDABILITY

Positive financial practices can have a considerable impact on the cost of issuing additional debt. These practices include: (1) enacting a structurally balanced budget; (2) building reserves; and (3) maintaining adequate liquidity.

Enacting a Structurally Balanced Budget

Enacting a structurally balanced budget communicates fiscal discipline and is one of the main criteria market participants use in evaluating an issuer's creditworthiness. As S&P explains:

We consider a state's budget to be structurally balanced if recurring revenues equal or exceed recurring operating expenditures. We recognize that structural balance is difficult to maintain during economic downturns when revenue performance is weak and support expenses may increase, but we believe that it is also difficult during periods of strong economic growth when excess revenue can lead to expansion of programs and services. Most states that do multi-year financial planning will almost always show out-year gaps regardless of the economic climate as scarce resources are balanced against virtually unlimited spending needs. Periods of imbalance are common for states but we believe that a track record of aligning recurring revenues and expenditures over time is an important element of fiscal performance.⁷

As S&P's discussion of structural balance indicates, market participants do not evaluate budgets based solely on whether the total resources available for spending match expected expenditures in a given fiscal period. Market participants are concerned instead with the sustainability of the fiscal policies underlying current spending.

It is critical to distinguish between recurring and non-recurring resources in deciding the amount of new indebtedness to assume. Recurring revenue growth stems from positive economic trends and tax policies that take advantage of those trends. One-time resources – such as fund transfers, reserve funds, or federal aid to states – will not be available in the future to address recurring expenses like debt service and therefore do not contribute to a structurally balanced budget. In fact, the use of these resources may contribute to a structural budget gap.

General Fund Structural Imbalance

While the structural imbalance in Kentucky's General Fund budget predated the recent recession, biennia of budget cuts have gradually pared the size of the imbalance. **Table 13** shows the sources of the structural imbalance going into the next fiscal biennium.

⁷ Standard and Poor's, *US State Ratings Methodology*, January 3, 2011.

Table 13: Structural Imbalance of the General Fund Budget

Source	Amount (\$ millions)
FY 14 Beginning balance	52.1
Use of Budget Reserve Trust Fund	49.0
Fund transfers in excess of \$40 million	56.3
Total	\$157.5

Source: Office of the State Budget Director, Presentation to the Interim Joint Committee on Appropriations and Revenue, June 2013.

The \$157.5 million structural imbalance for the upcoming biennium compares to structural imbalances of \$1.04 billion in FY 2010 and \$417.8 million in FY 2012.

This improvement appears to be consistent with the fiscal environments in most other states, although some sources of stress persist due to the slow economic recovery. According the National Association of State Budget Officers' *Spring 2013 Fiscal Survey of the States*:

After several years of slow recovery in the national economy, fiscal distress is finally beginning to subside for most states. However, the unemployment rate continues to remain high and the economic recovery is relatively weak compared to other post-recessionary periods. Thus state operating budgets likely will be constrained by elevated expenditure pressures and slow revenue growth in the upcoming fiscal year. Additionally, states are challenged with providing resources for critical areas that were cutback in the recession, declining federal funds for state programs subject to sequestration, and continued spending demands in areas directly impacted by the sluggish economy, such as Medicaid, higher education, and corrections. In response to these challenges and other factors, governors' recommended budgets indicated that most states will moderately increase spending in fiscal 2014.

Building Reserves

Most states have established reserve funds (also referred to as "rainy day funds") that can be accessed if revenues are lower than projected or expenditures are higher than projected. These funds provide added protection to help ensure that a state is able to meet its obligations.

Although previous budgets made appropriations to the Budget Reserve Trust Fund (BRTF), the BRTF was formally established in statute in 1995. Pursuant to KRS 48.705, contributions to the BRTF may be made through direct appropriation, from surplus revenue receipts in the General Fund, and from certain unexpended appropriations. The statute sets a goal of maintaining a BRTF balance equal to 5 percent of the actual General Fund receipts collected during a given fiscal year. The Capital Planning Advisory Board has historically recommended funding the BRTF in accordance with statutory requirements. According to Fitch, "a general target for prudent reserve levels is 5 to 10 percent of recurring state own-source revenues."⁸ The reserve

⁸ Fitch Ratings, *US State Government Tax Supported Rating Criteria*, October 8, 2010.

levels and pace at which they are rebuilt are provided at different rating levels for Moody's in **Appendix B**.

Table 14 shows the deposits to and withdrawals from the BRTF, the fund's fiscal year-end balances, and the fiscal year-end balance as a percent of General Fund revenues.

**Table 14: Budget Reserve Trust Fund
Deposits, Withdrawal, and Fiscal Year Ending Balances
1995 to Present (\$)**

Fiscal Year	Deposits	Withdrawals	Ending Balance	As a Percent of Revenues
1995	10,000,000		100,000,000	2.0
1996	100,000,000		200,000,000	3.8
1997	0		200,000,000	3.6
1998	0		200,000,000	3.4
1999	30,533,000		230,533,000	3.8
2000	8,750,400		239,283,400	3.8
2001	39,337,536	38,789,073	239,831,863	3.6
2002	182,520	240,014,383	0	0
2003	5,087,400		5,087,400	0.1
2004	49,677,429	4,000,000	50,764,829	0.7
2005	13,277,315	35,277,300	28,764,844	0.4
2006	90,250,256		119,015,100	1.4
2007	112,474,636		231,489,736	2.7
2008	0	16,714,300	214,775,436	2.6
2009	11,349,722	219,000,000	7,125,158	0
2010	0	7,125,158	0	0
2011	0		0	0
2012	121,722,555		121,722,555	1.4
2013	0		121,722,555	1.3
2014	25,600,851	49,029,200	98,294,206	1.0

Source: Office of the State Budget Director. Staff calculations.

During the late 1990s, the General Assembly consistently committed funds to the BRTF, and this practice contributed to credit rating upgrades during that period. At the onset of fiscal biennium (FB) 2000-02, the BRTF had reached a balance of \$278.6 million, which was equal to 4.1 percent of revenues at the time. The BRTF was used in its entirety to offset budget reductions during that biennium.

Three deposits were made from General Fund surpluses in FY 2006, 2007, and 2009. The fund was depleted again to offset budget recommendations due to the recent economic downturn. Moody's and Fitch both cited the depletion of reserves as a factor contributing to their downgrades of Kentucky's credit ratings.

At the beginning of FY 2012, the state made a \$121.8 million deposit to the fund from the FY 2011 General Fund surplus, as directed in the General Fund Surplus Expenditure Plan in 2010 Extraordinary Session HB 1. This represented the single largest deposit that had been made to the fund in the fund's history. Approximately \$49 million of reserves will be used during the current fiscal year, which is offset with a \$26 million deposit from the FY 2013 surplus. The fund is expected to have a \$98 million balance at the beginning of the upcoming fiscal biennium, or approximately 1 percent of FY 2014 revenues.

Maintaining Adequate Liquidity

Due to revenue volatility and uncertainty in the capital markets, the rating agencies now assign a higher priority to the state's liquidity as they evaluate the state's overall creditworthiness.⁹ Liquidity refers to the state's cash position and whether the state has sufficient funds on hand to meet its payment obligations as they come due.

The ideal cash position for a state is to be able to meet all expenses directly out of its General Fund. A state with a less than ideal, but still relatively strong, cash position would be able to meet expenses through internal borrowing. A state in a weaker cash position would require the issuance of cash flow notes to meet expenses. Finally, a state in the worst position would require some form of deficit financing. In addition to signaling financial stress, the use of cash flow notes and deficit financing can make a state dependent on the capital markets for funding, and there have been periods where access to the capital markets has been questionable.

Kentucky is not able to meet all expenses from the General Fund because the fund maintains a negative cash balance for much of the fiscal year. According to the *Semi-Annual Report of the Kentucky Asset/Liability Commission*, for the period ending December 31, 2012, the General Fund had a high balance of \$261.9 million at the beginning of FY 2013 and a low of negative \$1.3 billion on November 19, 2012.¹⁰ The average balance was negative \$836 million and the median balance was negative \$921 million.

Kentucky issued Tax and Revenue Anticipation Notes (TRANs) to finance the state's cash flow requirements from FY 1998 through FY 2009. The state has not issued TRANs since FY 2009 because reinvestment yields would not be higher than the cost of funds for the notes.

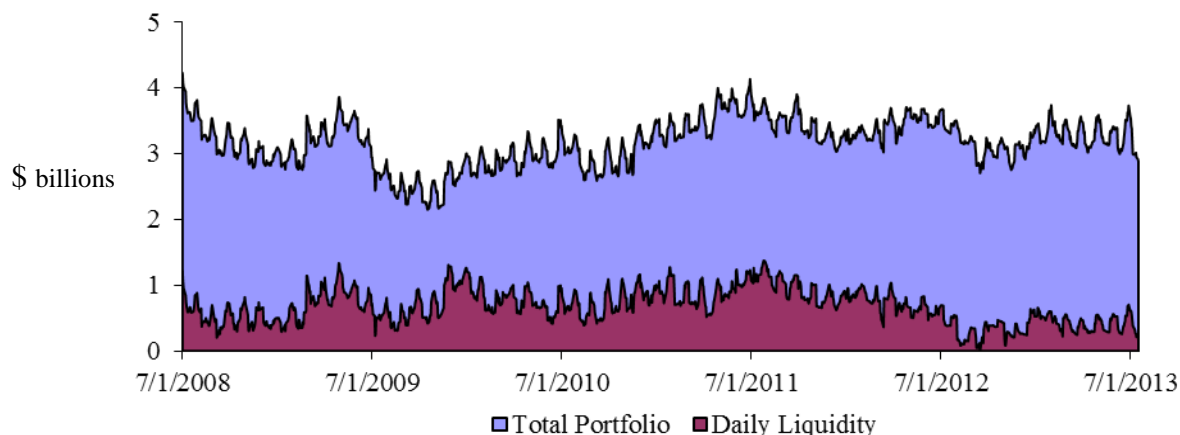
While the state has not been able to issue TRANs, the state has been able to borrow internally through its investment pools. Kentucky's investment portfolio is divided into three pools: (1) Short Term, (2) Limited Term, and (3) Intermediate Term.

Figure 4 shows the state's daily liquidity position from July 2008 to July 2013. It is important to note that the Short-Term Pool (the source of daily liquidity) is composed of all of the funds that pay their interest to the General Fund plus the General Fund itself.

⁹ Information from staff discussions with Moody's, S&P, and Fitch credit analysts.

¹⁰ Finance and Administration Cabinet, *Semi-Annual Report of the Kentucky Asset/Liability Commission*, for the period ended December 31, 2012.

Figure 4: Daily Liquidity



The periodic dips in the state's daily liquidity occur when the state has to make Support Education Excellence in Kentucky (SEEK) payments to local school districts or has to make payroll. Although the rating agencies do not consider Kentucky to be in the strongest cash position, the fact that Kentucky has sufficient funds available to borrow internally is viewed positively.

Unfunded Pension and Retiree Health Care Liabilities

Kentucky has six state-administered retirement plans, with the two major plans being the Kentucky Employees Retirement System (KERS) and the Kentucky Teachers' Retirement System (KTRS). Membership in KERS includes employees of state government, the state universities, local health departments, mental health / mental retardation agencies, and other agencies. Membership in KTRS includes the teaching and administrative staff at local boards of education, teaching staff at regional state universities (which is optional), and certain education-related positions in state government.

The funding for pension system benefits and expenses is derived from: (1) employee contributions, (2) employer contributions, and (3) the plan's return on investment. The employee contribution is specified in statute. The employer contribution for KERS is determined by annual actuarial valuations and varies. The employer contribution for KTRS is fixed but also includes special direct appropriations.

The actuarial valuation determines: (1) the amount of benefits that are required to be paid in the future; (2) the level of employer contributions; and (3) the financial health of the plan.

Estimating the Amount of Pension Benefits

To estimate the amount of benefits the plan must pay out going forward (i.e. the plan's future liabilities), the actuary has to make a variety of assumptions about the plan's financial management (e.g., return on investments, 7.75 percent for KERS and 7.5 percent for KTRS) and

plan participants (e.g., salaries, retirement age, and life expectancy). Once the liabilities are determined, they are discounted to today's dollars and divided into the actuarially accrued liability and the present value of future normal cost. The actuarially accrued liability is the liability tied to service already earned by plan participants. The present value of future normal cost is the liability tied to employees' future service based on the actuary's assumptions.

Employer Contributions

The state makes two employer contributions – one for pensions and one for retiree health benefits. Part of each contribution is for normal cost (estimated cost for the upcoming year of service) and part is to finance the state's unfunded liability (typically amortized over a period of 30 years). Unfunded liabilities are generated when plan assumptions are not realized, such as when the return on investment is less than assumed or the state has not fully funded its actuarially required contribution. (Conversely, higher-than-assumed investment returns may decrease unfunded liabilities.)

The General Assembly has not included the full amount recommended by the Kentucky Retirement Systems' board of trustees and its actuary for the employer contribution in the budget since FY 2002. The state has also issued funding notes to finance the state's current and existing obligations to KTRS. The rating agencies consider the KTRS funding notes a form of deficit financing, which is viewed negatively from a credit perspective.

Evaluating the Financial Health of the Plan

There are two statistics that are commonly cited in examining the financial health of a retirement plan: (1) the plan's unfunded actuarially accrued liability, which is the liability for employee service that has already been earned that is not covered by the plan's assets; and (2) the plan's funding level, which is the ratio of actuarial assets to actuarially accrued liabilities.

Table 15 shows the unfunded liabilities and funding ratios for the KERS (Non-Hazardous and Hazardous) and KTRS plans as of June 30, 2012. The plans' 2013 actuarial valuations will not be available until later in the year.

Table 15: KERS and KTRS Unfunded Liabilities and Funding Ratios

	KERS Non-Hazardous	KERS Hazardous	KTRS
Pension Fund			
Actuarial liability (\$ billions)	11.361	0.753	26.974
Actuarial value of assets (\$ billions)	3.101	0.497	14.691
Unfunded liability (actuarial liability minus actuarial assets)	(8.260)	(0.255)	(12.282)
Funding level (actuarial assets divided by actuarial liability)	27.3%	66.1%	54.5%

Insurance Fund			
Actuarial liability (\$ billions)	3.125	0.385	3.595
Actuarial value of assets (\$ billions)	0.446	0.346	0.339
Unfunded liability (actuarial liability minus actuarial assets)	(2.679)	(0.039)	(3.256)
Funding level (actuarial assets divided by actuarial liability)	14.3%	89.9%	9.4%

Source: 2012 Actuarial Valuations.

Senate Bill 2 (SB 2)

In the 2013 Regular Session, the General Assembly passed SB 2, which made changes to the retirement systems administered by the Kentucky Retirement Systems (i.e., KERS, the County Employees Retirement System, and the State Police Retirement System), the Judicial Retirement Plan, and the Legislators' Retirement Plan. The legislation did not affect benefits for teachers or retired teachers that are administered through KTRS.

SB 2 made changes to the funding policies and benefits for current employees, retirees, and new hires of the affected plans. These changes are summarized in **Table 16** below.

Table 16: Summary of the Provisions of SB 2

Changes in funding policies (KERS, CERS, SPRS)	<ul style="list-style-type: none"> Eliminates current policy goal established in 2008 HB 1 to phase in the full actuarially required contribution (ARC) over the next decade and will instead require full funding of the ARC in FY 2015 Resets amortization period for unfunded liability to a new 30-year period for rates payable on or after FY 2015 (helps reduce employer cost but will require a longer period of payments to pay off the unfunded liability) Move to biennial setting of ARC for KERS and SPRS to conform with state budget process
Changes in benefits – current employees and retirees (KERS, CERS, SPRS, LRP, JRP)	<ul style="list-style-type: none"> Ends automatic cost of living adjustment (COLA) COLA may be provided if the system is 100 percent funded and subsequent legislation authorizes the use of surplus funds to provide the 1.5 percent COLA; or the General Assembly appropriates or directs payment of funds to prepay the COLA in the year it is provided
Changes in benefits – new hires (KERS, CERS, SPRS)	<ul style="list-style-type: none"> Establishes hybrid cash balance plan for members who begin participating on or after January 1, 2014
Changes in governance and oversight	<ul style="list-style-type: none"> Increases KRS Board of Trustees membership from 9 to 13 members Establishes Public Pension Oversight Board Requires KRS to establish a web page with information that is easily available and understood by the public regarding its financial and actuarial condition

Source: Legislative Research Commission, State Government Committee staff.

Hybrid Cash Balance Plan¹¹

The hybrid cash balance plan for new hires is not a defined contribution plan but a type of defined benefit plan that functions as another benefit tier within each retirement system. While the hybrid cash balance plan is a defined benefit plan, it has some characteristics that are similar to a defined contribution plan. For example, employees will have individual accounts and their benefits are based on their account balance at retirement (i.e. employee and employer contributions plus investment returns). The hybrid cash balance plan differs from a defined contribution plan in that (1) the plan guarantees a minimum investment return for the employee accounts; (2) the retirement systems manage the investments rather than the employee; and (3) employees can decide to annuitize their account balance upon retirement to receive it in the form of a monthly benefit or to take their account balance in a lump sum.

Employees in the hybrid cash balance plan will still contribute the same amount as current employees (5 percent of pay for non-hazardous and 8 percent for hazardous), but their contributions will go into their individual accounts, along with the employer credit (4 percent of pay for non-hazardous and 7.5 percent for hazardous). Employees will earn a guaranteed return of 4 percent annually and will receive 75 percent of excess returns over 4 percent. Excess returns will be smoothed over a five-year period.

Effect of Pension Funding on Kentucky's Credit Ratings

Kentucky's weak pension funding levels have been one of the main drivers of the state's deteriorating credit, although SB 2 will likely be received positively over the long term.¹²

The state's borrowing costs have increased as the rating agencies have penalized the state for the scope of its unfunded pension liabilities. Fitch cited the state's "significant" unfunded pension liabilities when it downgraded Kentucky's appropriation-supported debt ratings in November 2012. Moody's and S&P also reference the state's unfunded pension liabilities in explaining why their ratings carry negative outlooks. Currently, the difference in interest cost between AA-rated debt and A-rated debt is 0.50 percent.¹³

Based upon the actuarial analysis that accompanied SB 2, the additional employer contribution required to fund the ARC in FY 2015 is approximately \$220 million from all sources (General Fund, Restricted Funds, Federal Funds, and Other Funds). 2013 HB 440 identified General Fund revenue sources that policymakers anticipate will offset funding the full ARC. These revenue sources are included in the CFG's planning estimates.

¹¹ The information in this section was provided by the Legislative Research Commission's State Government Committee staff.

¹² Moody's Investors Service, *Kentucky Legislature's 11th Hour Pension Reform is Credit Positive for State*, April 4, 2013.

¹³ Municipal Market Data (Thomson Reuters) General Obligation Yields, August 16, 2013.

Pension funding has received increased attention from market participants. Moody's, S&P, and Fitch have all published special reports comparing state pension systems in recent years.¹⁴

In April 2013, Moody's published its own methodology for analyzing state and local pension liabilities.¹⁵ The rating agency ranked states based on ratios measuring the size of their adjusted net pension liabilities (ANPL), which is a measure Moody's arrives at by: (1) allocating liabilities of cost-sharing plans to the government responsible for them; (2) using a more conservative and market-based discount rate; (3) using the fair market value of assets rather than smoothing; and (4) using a standard amortization period. Moody's then converts this measure into a measure of pension burden by calculating the ratio of ANPL to governmental revenues. The rating agency says it uses a three-year moving average of this ratio in assigning states credit ratings.

According to Moody's:

For fiscal 2011, the accumulated pension burden of US states, as measured by adjusted net pension liability relative to all governmental funds revenues, ranges from 6.8 percent to 241 percent. The states with the lowest pension burden are Nebraska, Wisconsin, and Idaho at 6.8 percent, 14.4 percent, and 14.8 percent, respectively. Among states with the highest pension burden are Illinois, Connecticut, and Kentucky, at 241 percent, 190 percent, and 141 percent, respectively.

As **Table 17** illustrates, Kentucky also ranks in the top quintile when ANPL is considered relative to the state's personal income, state GDP, and population.

**Table 17: Moody's Adjusted Net Pension Liabilities
Relative to Economic Indicators**

	Kentucky	Ranking	Mean	Median
ANPL as a percent of personal income	19.3%	4 th	7.9%	7.1%
ANPL as a percent of state GDP	17.4%	4 th	6.8%	5.3%
ANPL per capita	\$6,554	8 th	\$3,324	\$2,456

Source: Moody's Investors Service, *Adjusted Pension Liability Medians for US States*, June 2013.

Moody's full state rankings are provided in **Appendices F through H**.

¹⁴ See Standard and Poor's, *US States' Pension Funded Ratios Drift Downward*, March 2011, and Fitch Ratings, *Enhancing the Analysis of US State and Local Government Pension Obligations*, February 2011.

¹⁵ See Moody's Investors Service, *Adjustments to US State and Local Reported Pension Data and US States Ratings Methodology*, April 2013.

PART FOUR: REVENUES SUPPORTING THE STATE'S DEBT

According to the National Bureau of Economic Research, the economy was in a recession from December 2007 to June 2009.¹⁶ Kentucky has had three consecutive fiscal years of revenue growth, following declines in FY 2009 and FY 2010.

Table 18 below shows General Fund revenues for FY 2012 and FY 2013.

Table 18: General Fund Revenues, FY 2012 and FY 2013 (\$ millions)

	FY 2012	FY 2013
Sales and use	3,052.2	3,021.8
Individual income	3,512.1	3,723.0
Corporation income	374.4	400.8
Limited liability entity tax	200.7	246.1
Coal severance	298.3	230.5
Cigarette tax	254.8	238.7
Property	529.6	558.4
Lottery	210.8	215.3
Other	658.0	713.8
Total	9,091.0	9,348.3

Source: Presentation to the Consensus Forecasting Group (CFG), August, 7, 2013.

According to discussion at the August 7, 2013, CFG meeting:

Both the individual and the corporate income taxes have grown rapidly during the last three fiscal years despite lackluster growth in wages and salaries ... A general pattern has emerged whereby an increasing share of total taxes come from taxes based on income or gross receipts. Consumption-based taxes, on the other hand, have weakened sharply and their share of the tax base has fallen.

Sales tax receipts have declined in three of the last five fiscal years. Until recently, sales tax receipts have fallen only once since 1979. While coal severance taxes established record highs during the recession, they have since recorded five consecutive quarters of decline.

¹⁶ National Bureau of Economic Research, *Announcement of the June 2009 Business Cycle Trough*, September 20, 2010.

Table 19 shows Road Fund revenues for FY 2012 and FY 2013.

Table 19: Road Fund Revenues, FY 2012 and FY 2013 (\$ millions)

	FY 2012	FY 2013
Motor fuels	790.2	838.3
Motor vehicle usage	416.9	426.8
Motor vehicle license	107.8	102.3
Motor vehicle operators	15.7	16.0
Weight distance	75.1	74.9
Investment income	3.1	(0.4)
Other	34.9	33.6
Total	1,443.8	1,491.6

Source: Presentation to the Consensus Forecasting Group, August, 7, 2013.

The CFG's planning estimates (**Appendix A**) show Road Fund growth flattening. Approximately 80 percent of the Road Fund's receipts derive from two sources: (1) the motor fuels tax, and (2) the motor vehicle usage tax. According to the Legislative Research Commission Staff Economists Office:

In FY 2004, the percent of the Road Fund attributable to each of these two taxes was approximately 40 percent. However, with consistent growth in the motor fuels tax, this tax now comprises a larger percentage of the Road Fund (55 percent), when compared to the motor vehicle usage tax (29 percent).¹⁷

Since FY 2011, the motor fuels tax rate, which is dependent on fuel prices, has risen by 10 percent annually. This is the maximum authorized in statute.

Fuel prices are expected to stabilize or slightly decrease in the future, leading to uneven growth in the motor fuels tax and the Road Fund.

¹⁷ Legislative Research Commission Staff Economists Office, *Kentucky Tax Summaries*, July 5, 2013.

CONCLUSION

Public projects are often financed by issuing debt when the benefits produced by the project exceed the cost of the project and the cost of borrowing the funds to finance the project. The cost of financing a project is based largely on the market's perception of the likelihood that the state will meet its obligations, with greater risk of not meeting those obligations requiring higher interest costs. Market participants consider various factors in evaluating the state's creditworthiness, which include:

- The amount of debt a state issues relative to its revenues or measures of the state's economy;
- Whether the state maintains a structurally balanced budget and has plans for funding long-term obligations; and
- The degree to which the state builds reserves to address unexpected expenditures or declines in revenues.

Kentucky's near-term financial picture has improved since the recession. The state has experienced three years of revenue growth and the structural imbalance in the General Fund budget has been significantly reduced.

Kentucky has been penalized by the rating agencies, however, for a number of financial practices. The state has a high debt burden and unfunded pension liabilities relative to other states using various debt indicators. Also, while the state has begun to rebuild reserves that were depleted during the recent economic downturn, the current balance in the BRTF is well below the goal established in statute and the levels that market participants expect.

APPENDICES

APPENDIX A: GENERAL FUND, ROAD FUND, AND AGENCY FUND REVENUE ASSUMPTIONS

General Fund Revenue Assumptions (\$ millions)

	FY 2013 (Actual)	FY 2014 (Estimate)	FY 2016 (Estimate)
Sales and use	3,021.8	3,065.2	3,166.3
Individual income	3,723.0	3,838.9	4,162.2
Corporation income	400.8	416.0	437.1
Limited liability entity tax	246.1	238.9	259.9
Coal severance	230.5	210.3	207.1
Cigarette tax	238.7	235.3	226.5
Property	558.4	573.1	605.8
Lottery	215.3	224.0	249.5
Other	713.8	717.7	738.9
Total General Fund	9,348.4	9,519.4	10,053.3
MSA	101.7	94.6	85.1
Total General Fund and MSA	9,450.1	9,614.0	10,138.4

Source: Consensus Forecasting Group Planning Estimates, adopted August 15, 2013.

Road Fund Revenue Assumptions (\$ millions)

	FY 2013 (Actual)	FY 2014 (Estimate)	FY 2016 (Estimate)
Motor fuels	838.3	864.5	818.9
Motor vehicle usage	426.8	443.0	431.3
Motor vehicle license	102.3	101.1	103.1
Motor vehicle operators	16.0	16.2	16.8
Weight distance	74.9	77.1	83.4
Investment	-0.4	2.8	3.7
Other	33.6	35.1	35.8
Total Road Fund	1,491.6	1,539.8	1,493.0

Source: Consensus Forecasting Group Planning Estimates, adopted August 15, 2013.

Agency Fund Revenue Assumptions

	FY 2013 (Actual)
University of Kentucky	1,895,355,743
University of Louisville	298,331,954
Eastern Kentucky University	253,817,905
Kentucky State University	32,536,640
Morehead State University	94,954,342
Murray State University	122,096,168
Northern Kentucky University	176,816,570
Kentucky Community and Technical College System	207,026,085
Western Kentucky University	226,743,593
Less:	
Western Kentucky University Diddle Arena debt service	2,389,433
Murray GO Wellness Center debt service	626,108
Northern Kentucky University COP debt service	510,000
Total University Agency Receipts	3,304,153,458
Other Agency Revenue Funds	1,406,216,824
Plus Enterprise Fund Revenues Collected:	
State Parks Fund	48,966,987
State Fair Board Fund	42,791,450
Kentucky Horse Park Fund	10,149,339
Total Agency Fund Revenue Assumption	4,812,278,059

Source: Statewide Accounting System.

APPENDIX B: MOODY'S US STATES RATING METHODOLOGY SCORECARD

Economy (20%)								
Sub Factor	Measurement	Aaa (1)	Aa1 (2)	Aa2 (3)	Aa3 (4)	A (6)	Baa and Below (9)	Weight
Income	Per capita income relative to US average	Per capita income >100% of US average	Per capita income 90%-100% of US average	Per capita income 85%-90% of US average	Per capita income 80%-85% of US average	Per capita income 50%-80% of US average	Per capita income <50% of US average	10%
Employment and Economic Diversity	Industrial Diversity (1=most diverse)	Industrial diversity greater than 0.85	Industrial diversity 0.7-0.85	Industrial diversity 0.55-0.7	Industrial diversity 0.4-0.55	Industrial diversity 0.1-0.4	Industrial diversity less than 0.1	5%
	Employment Volatility (US=100)	Employment volatility less than 95	Employment volatility 95-120	Employment volatility 120-140	Employment volatility 140-180	Employment volatility 180-300	Employment volatility greater than 300	5%
Governance (30%)								
Sub Factor	Measurement	Aaa (1)	Aa1 (2)	Aa2 (3)	Aa3 (4)	A (6)	Baa and Below (9)	Weight
Flexibility	Financial Best Practices	Strongest financial best practices	Very strong financial best practices, but without all of the strongest characteristics	Moderately strong financial best practices	Sufficiently strong financial best practices	Adequate financial best practices that can exacerbate budgetary problems	Weakest financial practices	15%
	Financial Flexibility/Constitutional Constraints	Greatest financial flexibility: strongest institutional governance with no constitutional constraints	Strong financial flexibility: strong institutional governance with very few constitutional constraints	Moderately strong financial flexibility: moderately strong institutional governance with some constitutional constraints	Sufficiently strong financial flexibility: institutional governance and/or constitutional constraints that can inhibit budget solutions	Adequate financial flexibility: institutional governance and/or constitutional constraints that often inhibit budget solutions	Weakest financial flexibility: institutional governance and/or constitutional constraints that consistently inhibit budget solutions	15%
Finances (30%)								
Sub Factor	Measurement	Aaa (1)	Aa1 (2)	Aa2 (3)	Aa3 (4)	A (6)	Baa and Below (9)	Weight
Revenues	Revenue Diversity, Volatility, and Growth	Strongest revenue growth, very low to no volatility, low reliance on volatile revenues	Strong revenue growth, low volatility, low reliance on volatile revenues	Moderate revenue growth or volatility, some reliance on volatile revenues	Weak revenue growth, marked volatility, some reliance on volatile revenues	Many years of revenue declines and/or steep declines, reliance on volatile revenues	Persistent revenue declines, high negative volatility, heavy reliance on volatile revenues	10%
Structural Balance and Rainy Day Fund	Available Balances as % of Operating Revenue (5-yr avg.)	Available balances greater than 10%, with requirements to rebuild Rainy Day Fund if drawn upon	Available balances from 5% to 10%, likely to rebuild Rainy Day Fund if drawn upon	Available balances from 0% to 5%, likely to rebuild Rainy Day Fund if drawn upon	Available balances from 0% to -5%, no plans to rebuild Rainy Day Fund if drawn upon	Available balances -5% to -40%, no plans to rebuild Rainy Day Fund if drawn upon	Available balances less than -40%, no plans to rebuild Rainy Day Fund if drawn upon	10%
Liquidity	Cash Management and Liquidity	No external cash flow borrowing in current year, no need to do internal borrowing or use alternate liquidity	No external cash flow borrowing; may use internal borrowing, but leads to healthy liquid position; no other cash management tools needed	External or internal cash flow borrowing, but ending cash is moderate to healthy	External cash flow borrowing or inter-year cash management tools (like payment delays); leads to adequate liquidity	May use both external and internal liquidity borrowing, and other cash management tools; liquidity position still weak	External or internal borrowings are rolled across fiscal years and increasing over time; liquidity position still weak	10%

Debt (20%)								
Sub Factor	Measurement	Aaa (1)	Aa1 (2)	Aa2 (3)	Aa3 (4)	A (6)	Baa and Below (9)	Weight
Debt Measure	NTSD/Total Governmental Fund Revenues	Less than 15%	15%-30%	30%-50%	50%-90%	90%-130%	Greater than 130%	10%
Pension Measure	3 Year Average Adjusted Net Pension Liability/Total Governmental Fund Revenues	Less than 25%	25%-40%	40%-80%	80%-120%	120%-180%	Greater than 180%	10%

Glossary of Terms Used in Scorecard

Available Balances: Unreserved, undesignated fund balance (UUFb), or Unassigned Fund Balance, as reported in the state's consolidated annual financial report (CAFR), plus any additional reserves available but not reported in the General Fund.

Debt: Net tax-supported debt for the most recent year published and available. Each state's net tax-supported debt data are compiled annually by Moody's and published in our annual State Debt Medians Report.

Industrial Diversity: As reported in Moody's Economy.com Precis reports, the extent to which a state's industrial structure approximates the US industrial structure. The diversity measure is bounded between 0 and 1. 1 means the state has the same industrial structure as the US, while 0 means it has a totally different industrial structure than the US.

Employment Volatility: As reported in Moody's Economy.com Precis reports, the standard deviation in a state's monthly year-over-year percentage non-agricultural employment growth relative to the standard deviation for the US. This is from the most current 10-year period of historical data available. A volatility of 100 means that employment volatility in a state is equal to that of the US.

Adjusted net pension liability: The most recently reported present value of actuarial accrued liabilities minus pension systems assets (on an actuarial valuation basis), adjusted by Moody's. If the state is involved in the funding of multiple defined benefit systems, the combined liability is used. The data are collected by Moody's from publicly available sources. The scorecard data are based on the most recent year for which a great majority of states have reported data. Despite the effort to ensure reporting period comparability, the use of differing actuarial methods and assumptions by the states may still limit the true comparability of the data. In addition, most states participate in multiple-employer cost-sharing plans with other governmental entities including local governments.

APPENDIX C: MOODY'S STATE DEBT MEDIANS

Total Net Tax Supported Debt (\$000's)

			Rating
1	California	\$97,593,690	A1
2	New York	\$62,117,200	Aa2
3	New Jersey	\$35,662,286	Aa3
4	Massachusetts	\$33,019,222	Aa1
5	Illinois	\$32,526,104	A2
6	Florida	\$20,989,300	Aa1
7	Washington	\$19,425,533	Aa1
8	Connecticut	\$18,615,067	Aa3
9	Pennsylvania	\$15,421,700	Aa2
10	Texas	\$15,113,497	Aaa
11	Ohio	\$12,089,413	Aa1
12	Virginia	\$10,761,603	Aaa
13	Wisconsin	\$10,730,964	Aa2
14	Maryland	\$10,585,600	Aaa
15	Georgia	\$10,523,033	Aaa
16	Kentucky	\$8,750,517	Aa2*
17	North Carolina	\$8,323,389	Aaa
18	Michigan	\$7,905,000	Aa2
19	Oregon	\$7,585,606	Aa1
20	Minnesota	\$7,073,450	Aa1
21	Louisiana	\$6,492,125	Aa2
22	Arizona	\$5,912,106	Aa3
23	Hawaii	\$5,912,089	Aa2
24	Mississippi	\$5,179,091	Aa2
25	Missouri	\$4,211,128	Aaa
26	Alabama	\$4,181,421	Aa1
27	South Carolina	\$3,686,636	Aaa
28	Utah	\$3,640,480	Aaa
29	Kansas	\$3,210,010	Aa1*
30	Indiana	\$2,771,794	Aaa*
31	New Mexico	\$2,745,360	Aaa
32	Colorado	\$2,722,343	Aa1*
33	Delaware	\$2,325,311	Aaa
34	Oklahoma	\$2,304,183	Aa2
35	Tennessee	\$2,216,729	Aaa
36	Rhode Island	\$2,189,339	Aa2
37	West Virginia	\$2,073,482	Aa1
38	Nevada	\$2,014,310	Aa2
39	Arkansas	\$1,191,581	Aa1
40	New Hampshire	\$1,138,391	Aa1
41	Maine	\$1,081,935	Aa2
42	Alaska	\$914,900	Aaa
43	Iowa	\$883,155	Aaa*
44	Idaho	\$821,572	Aa1*
45	Vermont	\$507,624	Aaa
46	Montana	\$312,680	Aa1
47	South Dakota	\$296,081	NGO**
48	North Dakota	\$204,364	Aa1*
49	Wyoming	\$33,819	NGO**
50	Nebraska	\$25,358	NGO**
Totals		\$516,011,571	
MEAN:		\$10,320,231	
MEDIAN:		\$4,196,275	
Puerto Rico		\$52,991,000	Baa3***

Gross Tax Supported Debt (\$000's)

			Gross to Net Ratio
1	California	\$103,418,690	1.06
2	New York	\$62,218,900	1.00
3	New Jersey	\$41,570,354	1.17
4	Illinois	\$35,622,709	1.10
5	Massachusetts	\$34,719,302	1.05
6	Florida	\$32,019,200	1.53
7	Washington	\$28,224,153	1.45
8	Connecticut	\$25,813,842	1.39
9	Michigan	\$25,465,835	3.22
10	Minnesota	\$21,369,590	3.02
11	Texas	\$20,901,063	1.38
12	Pennsylvania	\$20,176,700	1.31
13	Ohio	\$17,429,893	1.44
14	Oregon	\$16,046,694	2.11
15	Virginia	\$15,113,973	1.40
16	Kentucky	\$11,771,430	1.35
17	Wisconsin	\$11,051,784	1.03
18	Colorado	\$10,912,343	4.01
19	Maryland	\$10,585,600	1.00
20	Georgia	\$10,523,033	1.00
21	Alabama	\$8,794,315	2.10
22	Utah	\$8,575,746	2.36
23	North Carolina	\$8,323,389	1.00
24	Hawaii	\$8,310,839	1.41
25	Louisiana	\$7,645,110	1.18
26	Mississippi	\$6,081,656	1.17
27	Tennessee	\$6,050,137	2.73
28	Arizona	\$6,032,576	1.02
29	Maine	\$5,210,993	4.82
30	Indiana	\$4,414,740	1.59
31	Missouri	\$4,289,211	1.02
32	South Carolina	\$3,998,467	1.08
33	Delaware	\$3,682,729	1.58
34	West Virginia	\$3,666,100	1.77
35	Kansas	\$3,645,560	1.14
36	Alaska	\$3,594,800	3.93
37	Rhode Island	\$3,240,099	1.48
38	New Mexico	\$2,745,360	1.00
39	Nevada	\$2,614,375	1.30
40	New Hampshire	\$2,560,107	2.25
41	Iowa	\$2,374,505	2.69
42	Oklahoma	\$2,313,288	1.00
43	Idaho	\$1,925,384	2.34
44	Vermont	\$1,534,814	3.02
45	North Dakota	\$1,411,357	6.91
46	Arkansas	\$1,191,581	1.00
47	Montana	\$605,611	1.94
48	South Dakota	\$479,656	1.62
49	Nebraska	\$40,218	1.59
50	Wyoming	\$33,819	1.00
Totals		\$ 670,341,630	
MEAN:		13,406,833	1.82
MEDIAN:		6,863,383	1.41
Puerto Rico		\$58,256,000	1.12

* Issuer Rating (No G.O. Debt)

** No General Obligation Debt

*** This figure is not included in any totals, means, or median calculations but is provided for comparison purposes only.

Net Tax-Supported Debt Per Capita

1	Connecticut	\$5,185	Aa3
2	Massachusetts	\$4,968	Aa1
3	Hawaii	\$4,246	Aa2
4	New Jersey	\$4,023	Aa3
5	New York	\$3,174	Aa2
6	Washington	\$2,817	Aa1
7	California	\$2,565	A1
8	Delaware	\$2,536	Aaa
9	Illinois	\$2,526	A2
10	Rhode Island	\$2,085	Aa2
11	Kentucky	\$1,998	Aa2*
12	Oregon	\$1,945	Aa1
13	Wisconsin	\$1,874	Aa2
14	Maryland	\$1,799	Aaa
15	Mississippi	\$1,735	Aa2
16	Louisiana	\$1,411	Aa2
17	New Mexico	\$1,316	Aaa
18	Minnesota	\$1,315	Aa1
19	Virginia	\$1,315	Aaa
20	Utah	\$1,275	Aaa
21	Alaska	\$1,251	Aaa
22	Pennsylvania	\$1,208	Aa2
23	West Virginia	\$1,118	Aa1
24	Kansas	\$1,112	Aa1*
25	Florida	\$1,087	Aa1
26	Georgia	\$1,061	Aaa
27	Ohio	\$1,047	Aa1
28	Arizona	\$902	Aa3
29	Alabama	\$867	Aa1
30	New Hampshire	\$862	Aa1
31	North Carolina	\$853	Aaa
32	Maine	\$814	Aa2
33	Vermont	\$811	Aaa
34	Michigan	\$800	Aa2
35	South Carolina	\$780	Aaa
36	Nevada	\$730	Aa2
37	Missouri	\$699	Aaa
38	Oklahoma	\$604	Aa2
39	Texas	\$580	Aaa
40	Colorado	\$525	Aa1*
41	Idaho	\$515	Aa1*
42	Indiana	\$424	Aaa*
43	Arkansas	\$404	Aa1
44	South Dakota	\$355	NGO**
45	Tennessee	\$343	Aaa
46	Montana	\$311	Aa1
47	North Dakota	\$292	Aa1*
48	Iowa	\$287	Aaa*
49	Wyoming	\$59	NGO**
50	Nebraska	\$14	NGO**
MEAN:		\$1,416	Aa1
MEDIAN:		\$1,074	Aa2
Puerto Rico		\$14,053	Baa3***

Net Tax-Supported Debt as a % of 2011 Personal Income

1	Hawaii	10.0%
2	Massachusetts	9.3%
3	Connecticut	9.1%
4	New Jersey	7.6%
5	Washington	6.4%
6	New York	6.3%
7	Delaware	6.2%
8	Kentucky	5.9%
9	California	5.8%
10	Illinois	5.7%
11	Mississippi	5.4%
12	Oregon	5.2%
13	Rhode Island	4.7%
14	Wisconsin	4.7%
15	Utah	3.8%
16	New Mexico	3.8%
17	Louisiana	3.7%
18	Maryland	3.6%
19	West Virginia	3.3%
20	Georgia	3.0%
21	Minnesota	3.0%
22	Virginia	2.9%
23	Pennsylvania	2.8%
24	Florida	2.8%
25	Alaska	2.8%
26	Ohio	2.8%
27	Kansas	2.8%
28	Arizona	2.5%
29	Alabama	2.5%
30	North Carolina	2.4%
31	South Carolina	2.3%
32	Michigan	2.2%
33	Maine	2.1%
34	Nevada	1.9%
35	Vermont	1.9%
36	New Hampshire	1.9%
37	Missouri	1.8%
38	Oklahoma	1.6%
39	Idaho	1.6%
40	Texas	1.5%
41	Colorado	1.2%
42	Indiana	1.2%
43	Arkansas	1.2%
44	Tennessee	0.9%
45	South Dakota	0.9%
46	Montana	0.9%
47	Iowa	0.7%
48	North Dakota	0.7%
49	Wyoming	0.1%
50	Nebraska	0.0%
MEAN:		3.4%
MEDIAN:		2.8%
Puerto Rico		88.9%***

* Issuer Rating (No G.O. Debt)

** No General Obligation Debt

*** This figure is not included in any totals, means, or median calculations but is provided for comparison purposes only.

Net Tax-Supported Debt as % of Gross State Domestic Product

		2011 NTSD as % of 2010 State GDP
1	Massachusetts	8.37%
2	Hawaii	8.03%
3	Connecticut	7.69%
4	New Jersey	7.18%
5	Kentucky	5.45%
6	New York	5.38%
7	Mississippi	5.30%
8	Washington	5.19%
9	California	5.07%
10	Illinois	5.06%
11	Oregon	4.48%
12	Rhode Island	4.26%
13	Wisconsin	4.20%
14	Delaware	3.89%
15	New Mexico	3.67%
16	Maryland	3.44%
17	Utah	3.43%
18	West Virginia	3.35%
19	Florida	2.97%
20	Louisiana	2.92%
21	Kansas	2.74%
22	Georgia	2.68%
23	Pennsylvania	2.54%
24	Arizona	2.47%
25	Ohio	2.45%
26	South Carolina	2.35%
27	Alabama	2.34%
28	Minnesota	2.27%
29	Virginia	2.23%
30	Maine	2.17%
31	Alaska	2.14%
32	Michigan	2.02%
33	Vermont	1.94%
34	North Carolina	1.85%
35	Missouri	1.83%
36	Nevada	1.72%
37	New Hampshire	1.70%
38	Idaho	1.59%
39	Oklahoma	1.58%
40	Texas	1.25%
41	Indiana	1.05%
42	Colorado	1.05%
43	Montana	0.96%
44	Arkansas	0.95%
45	Tennessee	0.86%
46	South Dakota	0.74%
47	Iowa	0.66%
48	North Dakota	0.50%
49	Wyoming	0.09%
50	Nebraska	0.03%
MEAN:		2.96%
MEDIAN:		2.40%

		2012 NTSD as % of 2011 State GDP
1	Hawaii	8.83%
2	Massachusetts	8.43%
3	Connecticut	8.09%
4	New Jersey	7.32%
5	Washington	5.47%
6	New York	5.36%
7	Kentucky	5.31%
8	Mississippi	5.30%
9	California	4.98%
10	Illinois	4.85%
11	Rhode Island	4.37%
12	Wisconsin	4.21%
13	Oregon	3.90%
14	Delaware	3.54%
15	Maryland	3.52%
16	New Mexico	3.46%
17	West Virginia	3.10%
18	Utah	2.92%
19	Florida	2.78%
20	Pennsylvania	2.66%
21	Louisiana	2.62%
22	Georgia	2.51%
23	Minnesota	2.51%
24	Virginia	2.51%
25	Ohio	2.50%
26	Kansas	2.45%
27	Alabama	2.42%
28	Arizona	2.29%
29	South Carolina	2.22%
30	Maine	2.10%
31	Michigan	2.05%
32	Vermont	1.96%
33	North Carolina	1.89%
34	New Hampshire	1.79%
35	Alaska	1.78%
36	Missouri	1.69%
37	Nevada	1.55%
38	Oklahoma	1.49%
39	Idaho	1.42%
40	Texas	1.16%
41	Arkansas	1.13%
42	Colorado	1.03%
43	Indiana	1.00%
44	Tennessee	0.83%
45	Montana	0.82%
46	South Dakota	0.74%
47	Iowa	0.59%
48	North Dakota	0.51%
49	Wyoming	0.09%
50	Nebraska	0.03%
MEAN:		2.92%
MEDIAN:		2.47%

*State GDP numbers have a 1-year lag.

Net Tax Supported Debt as a Percentage of Personal Income

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Alabama	2.0	2.0	2.2	2.0	2.8	2.6	2.4	2.6	2.5	2.5
Alaska	3.0	2.8	2.6	2.7	2.4	2.2	3.2	3.0	3.3	2.8
Arizona	2.3	2.6	2.2	2.0	2.0	2.5	2.3	2.8	2.8	2.5
Arkansas	1.8	1.6	1.6	1.4	1.7	1.3	1.0	1.1	1.0	1.2
California	3.2	4.7	4.6	4.4	4.3	4.4	5.6	6.0	6.0	5.8
Colorado	0.9	1.0	0.9	0.9	0.8	0.8	1.0	1.3	1.3	1.2
Connecticut	8.4	8.5	8.0	7.8	7.3	8.2	8.7	9.5	9.1	9.1
Delaware	5.6	5.5	5.3	5.5	5.2	5.4	6.2	6.8	6.8	6.2
Florida	3.5	3.4	3.2	3.1	2.8	2.9	2.9	3.0	3.0	2.8
Georgia	2.9	2.8	2.7	3.0	3.0	3.0	3.3	3.3	3.1	3.0
Hawaii	10.4	11.1	12.1	10.6	9.9	9.4	9.9	10.1	9.6	10.0
Idaho	0.5	0.6	0.6	0.6	1.2	1.6	1.7	1.6	1.7	1.6
Illinois	5.8	6.2	5.9	5.5	5.2	4.6	4.4	5.7	6.0	5.7
Indiana	1.3	1.4	1.6	2.1	1.5	1.5	1.5	1.4	1.3	1.2
Iowa	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.7	0.8	0.7
Kansas	3.3	4.0	3.8	3.7	3.5	3.2	3.0	3.2	3.1	2.8
Kentucky	4.4	4.0	4.5	4.3	4.7	4.8	5.4	6.1	6.1	5.9
Louisiana	2.6	2.4	3.1	4.9	4.3	3.3	3.6	3.5	3.7	3.7
Maine	1.8	2.2	2.0	1.9	1.9	2.2	2.2	2.4	2.3	2.1
Maryland	3.0	2.9	3.0	2.8	3.0	3.3	3.4	3.3	3.6	3.6
Massachusetts	8.5	8.5	9.8	9.4	9.8	8.9	9.2	9.2	9.4	9.3
Michigan	2.2	2.2	2.1	2.2	2.2	2.2	2.1	2.2	2.2	2.2
Minnesota	2.0	2.0	2.1	2.2	2.3	2.1	2.4	2.5	2.7	3.0
Mississippi	5.2	4.8	4.8	4.9	4.8	5.2	5.0	5.1	5.6	5.4
Missouri	1.6	1.5	1.6	1.9	2.1	2.0	2.2	2.2	2.0	1.8
Montana	1.3	1.1	1.4	1.5	1.2	1.2	1.1	1.1	1.0	0.9
Nebraska	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Nevada	2.0	2.0	2.2	1.7	2.0	2.2	2.3	2.4	2.2	1.9
New Hampshire	1.5	1.3	1.4	1.3	1.3	1.3	1.6	1.9	1.8	1.9
New Jersey	5.9	7.4	7.9	7.6	7.5	7.3	7.2	7.8	7.8	7.6
New Mexico	4.1	5.3	4.7	5.3	4.8	4.6	4.4	5.6	4.2	3.8
New York	6.7	7.2	6.7	6.7	6.3	6.3	6.5	6.7	6.6	6.3
North Carolina	2.0	2.5	2.8	2.4	2.8	2.5	2.3	2.3	2.3	2.4
North Dakota	0.9	0.6	1.2	1.0	1.1	1.0	0.8	0.8	0.6	0.7
Ohio	2.7	2.9	2.9	3.0	2.9	2.8	2.6	2.8	2.8	2.8
Oklahoma	1.2	1.2	1.4	1.5	1.5	1.5	1.6	1.8	1.7	1.6
Oregon	4.5	4.7	4.5	4.6	5.0	4.6	5.2	5.6	5.5	5.2
Pennsylvania	2.2	2.3	2.3	2.4	2.4	2.5	2.4	2.7	2.8	2.8
Rhode Island	4.4	4.3	4.1	4.6	4.7	4.5	5.2	5.3	4.7	4.7
South Carolina	2.4	2.2	2.5	2.3	3.3	2.9	2.9	2.7	2.5	2.3
South Dakota	0.9	0.9	0.7	0.8	0.9	0.8	0.4	0.9	0.9	0.9
Tennessee	0.8	0.7	0.8	0.7	0.7	0.7	0.9	1.0	1.0	0.9
Texas	0.8	1.0	1.0	1.3	1.4	1.4	1.4	1.6	1.5	1.5
Utah	3.5	3.2	2.7	2.3	1.9	1.5	3.2	4.1	4.4	3.8
Vermont	2.5	2.3	2.2	2.1	2.0	1.8	1.8	1.9	2.0	1.9
Virginia	1.7	1.8	1.7	1.8	1.9	1.9	2.1	2.4	2.6	2.9
Washington	4.9	4.9	4.9	5.1	5.1	5.1	5.3	6.2	6.0	6.4
West Virginia	3.6	4.6	4.4	3.9	3.9	3.6	3.5	3.8	3.6	3.3
Wisconsin	4.5	4.7	4.3	4.2	4.1	4.0	4.6	4.8	4.8	4.7
Wyoming	0.8	0.7	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
Median	2.5	2.5	2.5	2.4	2.6	2.5	2.5	2.8	2.8	2.8

**APPENDIX D: KENTUCKY'S GROSS DEBT, NET TAX-SUPPORTED DEBT, INDIRECT
AND MORAL OBLIGATION DEBT
(MOODY'S 2013 STATE DEBT MEDIANS)**

Lease Appropriation	
State Property and Buildings Commission (General Fund)	\$3,797,700
State Property and Buildings Commission (Road Fund)	77,760
State Property and Buildings Commission (Agency Fund non University)	72,770
Kentucky Turnpike Authority (Road Fund)	1,421,880
School Facilities Construction Commission (General Fund)	916,223
University (General Fund)	16,055
Kentucky Infrastructure Authority (excludes Gov Agencies program)	12,415
Energy Savings Performance Contracts (State Agencies)	86,381
Asset/Liability Commission (General Fund)	895,520
Asset/Liability Commission (Road Fund)	-
Asset/Liability Commission (Agency Fund non University)	8,710
Lease Obligation Sub-total	\$7,305,414
Other	
Jails (Court fee pledge)	4,895
AOC Court Facility Debt (State Share Only)	907,859
LFUCG Eastern State Hospital, Series 2011 A	138,635
University (Agency Fund / Intercept)	436,220
Energy Savings Performance Contracts (Universities w/State Intercept)	-
ALCo Garvees (Federal Highway Trust Fund)	347,645
School Facilities Construction Commission (Local Portion / Intercept)	2,584,693
Sub-total	4,419,947
GROSS DEBT	\$11,725,361
Less	
University (Agency Fund / Intercept)	(436,220)
School Facilities Construction Commission (Local Portion / Intercept)	(2,584,693)
Sub-Total	(3,020,913)
Net Tax-Supported Debt	\$8,704,448
Indirect Debt & Moral Obligation	
School Facilities Construction Commission (Local Portion / Intercept)	-
University (General Receipts Agency Fund UK/UL)	380,977
Energy Savings Performance Contracts (University w/o State Intercept)	45,448
State Property and Buildings Commission (Agency Fund UK/UL)	15,230
Asset/Liability Commission (Agency Fund UK/UL)	280,175
KY Housing Corporation (Moral Obligation)	1,906,435
KY Student Loan Corporation (Moral Obligation)	556,600
KERS UAAL Pension	8,903,100
KERS UAAL OPEB	2,927,800
KTRS UAAL Pension	12,282,500
KTRS UAAL OPEB	3,255,000
Total Indirect & Moral Obligation Debt	30,553,265
Total Gross & Indirect Debt	\$42,278,626

Notes:

State intercept for school districts and universities are included in 2013 median gross debt calculations.

University general receipts debt does not impact net or gross tax supported calculations if rating does not rely on the intercept.

Affiliated university debt is considered a credit of the university, but not subject to intercept and excluded from state net and gross calculations.

AOC data last updated in January 2013.

Excludes short-term state agency operating leases.

APPENDIX E: US HIGHER EDUCATION SCORECARD (MOODY'S INVESTORS SERVICE)

Scorecard Results -	Sub-Factor Weights	Value	Score	Implied Rating
Factor 1: Market Position: (35%)				
Operating Revenue (\$000)	10%			
Primary Selectivity (%)	5%			
Primary Matriculation (%)	5%			
Net Tuition per Student (\$)	10%			
Average Gifts per Student (\$)	5%			
Factor 2: Operating Performance: (30%)				
Operating Cash Flow Margin (%)	10%			
Average Debt Service Coverage (x)	10%			
Revenue Diversity (Max Single Contribution) (%)	10%			
Factor 3: Balance Sheet and Capital Investment: (35%)				
Total Cash and Investments (\$000)	10%			
Expendable Financial Resources to Direct Debt (x)	5%			
Expendable Financial Resources to Operations (x)	5%			
Debt to Operating Revenues (x)	5%			
Monthly Days Cash on Hand (x)	5%			
Monthly Liquidity to Demand Debt (%)	5%			
(if no VRDO exposure, please indicate in value field, "No VRDOs")				

Factors 4 & 5: Governance and Management, Legal Security and Debt Structure, & Other Credit Specific Considerations	Positive, Negative, or Neutral	Analytical Notching (+/-)
4) Governance and Management		
a. Board and Senior Management Composition		
b. Oversight and Disclosure Practices		
c. Short and Long-Range Planning		
d. Self-Assessment and Benchmarking		
e. Government Relations		
5) Legal Security and Debt Structure		
a. Bondholder Security Provisions		
b. External Financing Terms and Conditions		
Other Credit Specific Considerations		
a. Multi-Year Trends		
b. Healthcare Exposure (ownership of a hospital or practice plan)		
c. Marketable Real Estate		
d. Event Risk (i.e. natural disasters, legal judgments, or security incidents)		
e. Other Factors		
Net Notching →		0.0

Note: Cumulative notching for Factors 4 and 5 is capped at +/- 3 notches

Weighted Score:	
Grid Rating	
Overall Rating	
Weighted Score Legend:	
Aaa	≤ 1.5
Aa1	> 1.5, ≤ 2.5
Aa2	> 2.5, ≤ 3.5
Aa3	> 3.5, ≤ 4.5
A1	> 4.5, ≤ 5.5
A2	> 5.5, ≤ 6.5
A3	> 6.5, ≤ 7.5
Baa1	> 7.5, ≤ 8.5
Baa2	> 8.5, ≤ 9.5
Baa3	> 9.5, ≤ 10.5
SG	> 10.5

**APPENDIX F: SELECTED CHARACTERISTICS OF STATE PENSION PLANS
(MOODY'S INVESTORS SERVICE)**

State	Rating	# of Pension Plans ⁴	Valuation Date for Largest Plan	As Reported Discount Rate for Largest Plan	Aggregate UAAL (\$000)	Moody's Adjusted Discount Rate for Largest Plan	State Share for Largest Plan
Alabama	Aa1	2	9/30/2010	8.00%	12,711,532	5.14%	7.2%
Alaska	Aaa	2	6/30/2010	8.00%	6,648,953	5.47%	72.3%
Arizona	Aa3	3	6/30/2010	8.00%	12,247,216	5.47%	20.5%
Arkansas	Aa1	2	6/30/2011	8.00%	2,382,000	5.67%	100.0%
California	A1	2	6/30/2010	7.75%	80,124,000	5.47%	25.8%
Colorado	Aa1*	1	12/31/2011	8.00%	8,816,498	4.40%	100.0%
Connecticut	Aa3	2	6/30/2010	8.50%	20,069,660	5.47%	100.0%
Delaware	Aaa	3	6/30/2011	7.50%	755,991	5.67%	100.0%
Florida	Aa1	1	7/1/2011	7.75%	18,956,422	5.67%	21.4%
Georgia	Aaa	2	6/30/2010	7.50%	12,311,780	5.47%	15.7%
Hawaii	Aa2	1	6/30/2011	8.00%	8,154,177	5.67%	72.6%
Idaho	Aa1*	1	7/1/2011	7.25%	1,276,181	5.67%	24.9%
Illinois	A3	3	6/30/2011	8.50%	81,333,819	5.67%	100.0%
Indiana	Aaa*	2	6/30/2010	7.00%	11,790,490	5.47%	100.0%
Iowa	Aaa*	1	6/30/2011	7.50%	5,681,771	5.67%	19.2%
Kansas	Aa1*	1	12/31/2010	8.00%	8,264,125	5.54%	17.1%
Kentucky	Aa2*	3	6/30/2011	7.50%	18,726,255	5.67%	100.0%
Louisiana	Aa2	3	6/30/2011	8.25%	18,172,934	5.67%	100.0%
Maine	Aa2	1	6/30/2011	7.25%	2,688,100	5.67%	100.0%
Maryland	Aaa	3	6/30/2011	7.75%	18,286,533	5.67%	100.0%
Massachusetts	Aa1	2	1/1/2011	8.25%	16,752,915	5.54%	100.0%
Michigan	Aa2	1	9/30/2010	8.00%	4,078,000	5.14%	100.0%
Minnesota	Aa1	2	7/1/2011	8.50%	7,201,080	5.67%	13.4%
Mississippi	Aa2	1	6/30/2011	8.00%	12,339,300	5.67%	37.1%
Missouri	Aaa	1	6/30/2011	8.50%	2,101,063	5.67%	100.0%
Montana	Aa1	5	6/30/2011	7.75%	3,779,523	5.67%	46.6%
Nebraska	NGO**	3	1/1/2011	7.75%	111,984	5.54%	100.0%
Nevada	Aa2	1	6/30/2011	8.00%	11,005,100	5.67%	12.7%
New Hampshire	Aa1	2	6/30/2011	7.75%	4,273,547	5.67%	38.6%
New Jersey	Aa3	3	6/30/2010	8.25%	24,936,265	5.47%	100.0%
New Mexico	Aaa	2	6/30/2011	7.75%	10,622,075	5.67%	50.1%
New York	Aa2	2	4/1/2010	7.50%	8,860,000	6.05%	45.8%
North Carolina	Aaa	1	12/31/2010	7.25%	2,773,868	5.54%	38.0%
North Dakota	Aa1*	2	7/1/2011	8.00%	1,616,600	5.67%	100.0%
Ohio	Aa1	2	7/1/2011	8.00%	59,686,709	5.67%	0.5%
Oklahoma	Aa2	4	6/30/2011	8.00%	10,321,131	5.67%	46.1%
Oregon	Aa1	1	12/31/2010	8.00%	13,325,100	5.54%	18.7%
Pennsylvania	Aa2	2	6/30/2010	8.00%	34,362,001	5.47%	62.0%
Rhode Island	Aa2	2	6/30/2010	7.50%	4,094,109	5.47%	40.0%
South Carolina	Aaa	2	7/1/2010	8.00%	14,611,455	5.47%	31.3%
South Dakota	NGO**	1	6/30/2011	7.75%	278,800	5.67%	36.4%
Tennessee	Aaa	1	7/1/2009	7.50%	1,632,873	6.20%	100.0%
Texas	Aaa	2	8/31/2011	8.00%	28,462,940	5.21%	82.6%
Utah	Aaa	3	1/1/2011	7.50%	5,676,084	5.54%	20.7%
Vermont	Aaa	2	6/30/2011	7.90%	1,191,646	5.67%	100.0%
Virginia	Aaa	1	6/30/2010	7.00%	4,838,599	5.47%	100.0%
Washington	Aa1	7	6/30/2010	8.00%	3,170,000	5.47%	48.1%
West Virginia	Aa1	2	7/1/2010	7.50%	6,111,993	5.47%	100.0%
Wisconsin	Aa2	1	12/31/2011	5.50%	99,300	4.40%	28.1%
Wyoming	NGO**	2	1/1/2012	8.00%	1,294,267	4.40%	37.1%
Puerto Rico	Baa3***	2	6/30/2011	6.40%	32,796,289	5.67%	100.0%

* Issuer Rating (No G.O. Debt)

** No General Obligation Debt

*** This figure is not included in any totals, means, or median calculations but is provided for comparison purposes only.

APPENDIX G: ADJUSTED NET PENSION LIABILITY RANKINGS (MOODY'S INVESTORS SERVICE)

ANPL Rank	State	ANPL
1	Illinois	132,968,296
2	California	120,805,465
3	Texas	91,694,842
4	Pennsylvania	63,532,940
5	New Jersey	63,219,012
6	Massachusetts	44,732,443
7	Connecticut	41,587,093
8	Louisiana	33,376,268
9	Maryland	28,660,114
10	Kentucky	28,619,279
11	New York	22,084,660
12	Colorado	20,338,160
13	Indiana	16,594,134
14	Georgia	14,096,309
15	Florida	12,912,181
16	Michigan	12,124,102
17	South Carolina	11,635,619
18	Washington	11,445,447
19	Virginia	11,115,455
20	Hawaii	10,919,157
21	Alaska	10,605,944
22	Oklahoma	10,391,069
23	Ohio	9,777,555
24	West Virginia	9,281,717
25	Mississippi	8,523,243
26	Minnesota	8,121,311
27	North Carolina	7,479,012
28	Alabama	7,257,979
29	Arizona	7,093,003
30	Missouri	6,505,333
31	Oregon	6,006,038
32	Maine	5,656,940
33	Tennessee	5,394,877
34	Rhode Island	5,273,598
35	New Mexico	5,035,912
36	Arkansas	4,938,387
37	Wisconsin	3,894,188
38	North Dakota	3,273,776
39	Montana	3,241,297
40	Utah	3,162,592
41	Nevada	3,017,365
42	Kansas	2,835,598
43	Delaware	2,819,988
44	New Hampshire	2,748,931
45	Vermont	2,436,052
46	Iowa	2,349,433
47	Wyoming	2,211,227
48	Idaho	979,161
49	South Dakota	728,831
50	Nebraska	527,503
MEAN:		18,880,577
MEDIAN:		8,322,277
Puerto Rico*		36,251,660

Rank	State	ANPL as % of Revs
1	Illinois	241.1%
2	Connecticut	189.7%
3	Kentucky	140.9%
4	New Jersey	137.2%
5	Hawaii	132.5%
6	Louisiana	130.2%
7	Colorado	117.5%
8	Pennsylvania	105.0%
9	Massachusetts	100.4%
10	Maryland	99.5%
11	Texas	92.5%
12	Rhode Island	91.3%
13	West Virginia	86.2%
14	Maine	76.6%
15	Montana	62.5%
16	California	61.8%
17	Oklahoma	61.8%
18	Indiana	61.3%
19	North Dakota	61.2%
20	South Carolina	59.7%
21	New Hampshire	56.4%
22	Alaska	55.2%
23	Mississippi	53.0%
24	Vermont	49.2%
25	Delaware	48.2%
26	Georgia	42.0%
27	Wyoming	39.9%
28	Nevada	39.1%
29	New Mexico	37.8%
30	Alabama	36.9%
31	Virginia	35.5%
32	Oregon	33.9%
33	Arkansas	33.6%
34	Washington	32.7%
35	Utah	30.8%
36	Missouri	27.7%
37	Minnesota	27.3%
38	Arizona	26.7%
39	Michigan	25.4%
40	Kansas	23.1%
41	South Dakota	20.7%
42	Ohio	19.6%
43	Tennessee	19.2%
44	Florida	19.2%
45	North Carolina	18.3%
46	New York	16.6%
47	Iowa	16.1%
48	Idaho	14.8%
49	Wisconsin	14.4%
50	Nebraska	6.8%
MEAN:		60.6%
MEDIAN:		45.1%
Puerto Rico*		234.4%

* This figure is not included in any totals, means, or median calculations but is provided for comparison purposes only.

APPENDIX H: ADJUSTED NET PENSION LIABILITY RELATIVE TO ECONOMIC INDICATORS (MOODY'S INVESTORS SERVICE)

Rank	State	ANPL as % of PI	Rank	State	ANPL as % of State GDP	Rank	State	ANPL Per Capita
1	Alaska	32.1%	1	Alaska	20.6%	1	Alaska	14,652
2	Illinois	23.6%	2	Illinois	19.8%	2	Connecticut	11,595
3	Connecticut	20.1%	3	Connecticut	18.1%	3	Illinois	10,340
4	Kentucky	19.3%	4	Kentucky	17.4%	4	Hawaii	7,923
5	Louisiana	18.9%	5	Hawaii	16.3%	5	Louisiana	7,296
6	Hawaii	18.5%	6	West Virginia	13.9%	6	New Jersey	7,156
7	West Virginia	15.0%	7	Louisiana	13.5%	7	Massachusetts	6,770
8	New Jersey	13.7%	8	New Jersey	13.0%	8	Kentucky	6,554
9	Massachusetts	12.7%	9	Massachusetts	11.4%	9	Rhode Island	5,019
10	Pennsylvania	11.8%	10	Pennsylvania	11.0%	10	West Virginia	5,004
11	Rhode Island	11.4%	11	Maine	11.0%	11	Pennsylvania	4,985
12	Maine	11.1%	12	Rhode Island	10.5%	12	Maryland	4,908
13	North Dakota	10.1%	13	Maryland	9.5%	13	North Dakota	4,781
14	Maryland	9.7%	14	Vermont	9.4%	14	Maine	4,258
15	Vermont	9.4%	15	Mississippi	8.7%	15	Colorado	3,975
16	Colorado	9.0%	16	Montana	8.5%	16	Wyoming	3,897
17	Montana	9.0%	17	North Dakota	8.1%	17	Vermont	3,888
18	Mississippi	8.9%	18	Colorado	7.7%	18	Texas	3,577
19	Texas	8.9%	19	South Carolina	7.0%	19	Montana	3,249
20	Wyoming	8.1%	20	Texas	7.0%	20	California	3,206
21	Delaware	7.5%	21	Oklahoma	6.7%	21	Delaware	3,105
22	South Carolina	7.4%	22	New Mexico	6.3%	22	Mississippi	2,863
23	California	7.3%	23	California	6.2%	23	Oklahoma	2,746
24	Oklahoma	7.3%	24	Indiana	6.0%	24	Indiana	2,547
25	Indiana	7.1%	25	Wyoming	5.9%	25	South Carolina	2,490
26	New Mexico	7.1%	26	Arkansas	4.7%	26	New Mexico	2,423
27	Arkansas	5.0%	27	New Hampshire	4.3%	27	New Hampshire	2,086
28	New Hampshire	4.5%	28	Delaware	4.3%	28	Arkansas	1,681
29	Alabama	4.3%	29	Alabama	4.2%	29	Washington	1,677
30	Oregon	4.1%	30	Georgia	3.4%	30	Oregon	1,553
31	Georgia	4.0%	31	Washington	3.2%	31	Minnesota	1,519
32	Washington	3.8%	32	Michigan	3.1%	32	Alabama	1,511
33	Minnesota	3.4%	33	Oregon	3.1%	33	Georgia	1,437
34	Michigan	3.4%	34	Minnesota	2.9%	34	Virginia	1,372
35	Utah	3.4%	35	Arizona	2.7%	35	Michigan	1,228
36	Arizona	3.1%	36	Missouri	2.6%	36	New York	1,132
37	Nevada	3.0%	37	Virginia	2.6%	37	Utah	1,124
38	Virginia	3.0%	38	Utah	2.5%	38	Nevada	1,109
39	Missouri	2.9%	39	Nevada	2.3%	39	Arizona	1,097
40	Kansas	2.4%	40	Kansas	2.2%	40	Missouri	1,083
41	Tennessee	2.3%	41	Tennessee	2.0%	41	Kansas	988
42	Ohio	2.2%	42	Ohio	2.0%	42	South Dakota	885
43	New York	2.2%	43	New York	1.9%	43	Ohio	847
44	North Carolina	2.1%	44	South Dakota	1.8%	44	Tennessee	843
45	South Dakota	2.0%	45	Florida	1.7%	45	North Carolina	775
46	Idaho	1.9%	46	North Carolina	1.7%	46	Iowa	767
47	Iowa	1.9%	47	Idaho	1.7%	47	Wisconsin	682
48	Wisconsin	1.7%	48	Iowa	1.6%	48	Florida	677
49	Florida	1.7%	49	Wisconsin	1.5%	49	Idaho	618
50	Nebraska	0.7%	50	Nebraska	0.6%	50	Nebraska	286
MEAN:		7.9%	MEAN:		6.8%	MEAN:		3,324
MEDIAN:		7.1%	MEDIAN:		5.3%	MEDIAN:		2,456
Puerto Rico*		58.9%				Puerto Rico*		9,814

* This figure is not included in any totals, means, or median calculations but is provided for comparison purposes only.

APPENDIX I: RATINGS DEFINITIONS

Ratings reflect a credit rating agency's opinion of a state's creditworthiness relative to other borrowers in the financial markets. Ratings below Baa3/BBB-/BBB- are considered speculative credits ("junk bonds").

The rating agencies also assign "positive," "stable," and "negative" outlooks to their ratings that indicate the direction the rating is likely to move in over an intermediate time period. A negative outlook indicates a higher likelihood of a downgrade in the state's credit rating. A positive outlook indicates a higher likelihood of an upgrade in the state's credit rating. The outlooks indicate that there are trends affecting a credit that have not yet reached a level warranting a change in the state's credit rating, but may if the trends continue.

Moody's Investors Service

- Aaa** Highest quality, minimal credit risk.
- Aa** High quality, very low credit risk.
- A** Upper-medium grade, low credit risk.
- Baa** Medium grade, moderate credit risk.
- Ba** Involves speculative elements, substantial credit risk.
- B** Speculative, very high credit risk.
- Caa** Of poor standing, very high credit risk.
- Ca** In or near default, some likelihood of principal and interest recovery.
- C** Typically in default, very little likelihood of principal and interest recovery.

Moody's also adds the numerical modifiers 1, 2, and 3 to each rating category through Caa. The modifier 1 means the issuer ranks in the higher end of that category; 2 is a mid-range ranking; and 3 means the issuer ranks in the lower end of the category.

Standard and Poor's

- AAA** Highest credit rating. Issuer has extremely strong capacity to meet its financial commitments.
- AA** Issuer has very strong capacity to meet its financial commitments.
- A** Issuer has strong capacity to meet its financial commitments, but is susceptible to economic events.
- BBB** Issuer has adequate capacity to meet its commitments, which may be reduced by economic events.
- BB** Issuer is facing major ongoing uncertainties and exposure to economic events.
- B** Issuer is currently able to meet its financial commitments, but its capacity to do so may be adversely affected by economic events.
- CCC** Issuer's capacity to meet financial commitments is vulnerable to conditions.
- CC** Issuer is currently highly vulnerable.
- SD/D** Issuer is in default or is expected to default on its financial commitments.

S&P modifies its ratings with a plus or minus to distinguish between higher and lower ranked credits within each category.

Fitch Ratings

- AAA** Highest credit quality. Indicates the lowest expectation of default risk. Issuer has exceptionally strong capacity to meet its obligations.
- AA** Very high credit quality. Very low expectation of default. Strong capacity to meet obligations.
- A** High credit quality. Low default risk. Strong capacity to meet obligations, but vulnerable to economic conditions.
- BBB** Good credit quality. Low default risk. Adequate capacity to meet obligations, but vulnerable to economic conditions.
- BB** Speculative credit quality. Some default risk.
- B** Highly speculative. Material default risk.
- CCC** Substantial credit risk. Default is real possibility.
- CC** Very high levels of default risk.
- C** Exceptionally high levels of default risk.
- D** In default.

Fitch modifies its ratings with a plus or minus to distinguish between higher and lower rated credits within each category.