

FACILITIES MASTER PLAN / CAPITAL PROJECT REQUEST
CAPITAL REQUIREMENTS SUMMARY AND NEEDS ASSESSMENT FORM
(Form A)

Institution: J.F. Drake State Community and Technical College

Telephone Number: 256 551-3119

Name of Respondent: Dr. John Reutter

E-Mail Address: john.reutter@drakestate.edu

A. IMMEDIATE CAPITAL REQUIREMENTS - YEAR 1 (FY 2015-2016)

Institutional Priority	Funding Sources			Estimated Total Cost	Specify Source(s) Other State	Specify Source(s) Other Funds	Building Number (If existing Facility or Facilities)	Space Utilization Description (If more than 1 Code used include % for each Code Click here to view Codes)	Projected Gross Square Feet. (Should be used only for Subsection 1 or 2 Projects)	Projected Net Assignable Square Feet. (Should be used only for Subsection 1 or 2 Projects)	Space Category (If more than 1 Code used include % for each Code. Click here to view Codes)	Change in Purpose (Yes or No Depending on Project)	Projected Start/ Acquisition Date (Date reported cannot be before the start of the fiscal year to be reported on the form. Fiscal Years run from Oct. 1 - Sept. 30)	Projected Completion Date	Basis of Requirement (Use no more than 2 Codes. Click here to view Codes) USE LETTER OF CODE ONLY
	Education Trust Fund	Other State Funding	Other Funds												
1. New Construction/Acquisition Projects															
1		\$9,000,000	\$7,500,000	\$16,500,000	PSCA Bond	Local Grant		1-30%-3-70%	66,000	61,500	E&G	No	10/01/15	09/30/16	A, B
1								8-70%,1-10%,3-							
2		\$16,000,000		\$16,000,000	PSCA Bond			20%	50,000	47,500	E&G	No	10/01/15	09/30/16	A,B
3		\$3,500,000		\$3,500,000	PSCA Bond			security	3,500	3,500	Auxiliary	No	10/01/15	09/30/16	D, J
4		\$10,500,000	\$1,500,000	\$12,000,000	PSCA Bond			1-95%, 7-5%	42,000	41,000	E&G	No	10/01/15	09/30/16	A, D
5		\$7,500,000	\$1,000,000	\$8,500,000	PSCA Bond			1-95%, 7-5%	30,000	29,000	E&G	No	10/01/15	09/30/16	A, D
6			\$2,500,000	\$2,500,000		Local Grant		15	10,000	10,000	Auxiliary	No	10/01/15	09/30/16	D, E
6		\$5,500,000		\$5,500,000	PSCA Bond			16			E&G	No	10/01/15	09/30/16	A, D
		\$52,000,000	\$12,500,000	\$64,500,000											
2. Renovation/Remodeling Projects															
1	\$5,500,000			\$5,500,000			N/A	9	N/A	N/A	Auxiliary	No	10/01/15	09/30/16	E,F
2	\$3,500,000			\$3,500,000			various	17 - per building			E&G	No	10/01/15	09/30/16	E, F
3	\$2,000,000		\$500,000	\$2,500,000		Local Grant	500	1-40%,3-60%,	16,800	15,700	E&G	No	10/01/15	09/30/16	E, J
4															
	\$11,000,000		\$500,000	\$11,500,000											
3. Major Capital Equipment Projects															
1		\$750,000		\$750,000	PSCA Bond		200	3	3,000		E&G	No	10/01/15	09/30/16	D
2		\$250,000		\$250,000	PSCA Bond		700	3	3,000		E&G	No	10/01/15	09/30/16	D
3		\$500,000		\$500,000	PSCA Bond		200, 800	3	2,000		E&G	No	10/01/15	09/30/16	D
4															
		\$1,500,000		\$1,500,000											
4. Deferred Maintenance/Facilities Renewal (See Instructions)															
1	\$2,000,000			\$2,000,000			200, 300, 400, 500, 800	3			E&G	No	10/01/15	09/30/16	E
2	\$500,000			\$500,000			All	3			E&G	No	10/01/15	09/30/16	E
3	\$1,500,000			\$1,500,000			All	3			E&G	No	10/01/15	09/30/16	E
4	\$100,000			\$100,000			All	3			E&G	No	10/01/15	09/30/16	E
5	\$250,000			\$250,000				9			E&G	No	10/01/15	09/30/16	J
6	\$750,000			\$750,000				9			E&G	No	10/01/15	09/30/16	E
	\$5,100,000			\$5,100,000											
Total Immediate Year 1 Capital Requirements															
	\$16,100,000	\$53,500,000	\$13,000,000	\$82,600,000											

A brief description and justification must be attached for each project listed above. If the descriptions/justifications are listed below adjust the print range so they print out properly
Provide a succinct but thorough justification of the need for the capital project. This information may be included in a separate Word Processing document. See instructions for further information.

FACILITIES MASTER PLAN / CAPITAL PROJECT REQUEST
CAPITAL REQUIREMENTS SUMMARY AND NEEDS ASSESSMENT FORM
(Form B)

Institution: J.F. Drake State Community and Technical College

Telephone Number: 256 551-3119

Name of Respondent: Dr. John Reutter

E-Mail Address: john.reutter@drakestate.edu

B. INTERMEDIATE CAPITAL REQUIREMENTS - YEAR 2 (FY 2016-2017)

Institutional Priority	Funding Sources			Estimated Total Cost	Specify Source(s) Other State	Specify Source(s) Other Funds	Building Number (If existing Facility or Facilities)	Space Utilization Description (If more than 1 Code used include % for each Code. Click here to view Codes)	Projected Gross Square Feet. (Should be used only for Subsection 1 or 2 Projects)	Projected Net Assignable Square Feet. (Should be used only for Subsection 1 or 2 Projects)	Space Category (If more than 1 Code used include % for each Code. Click here to view Codes)	Change in Purpose (Yes or No Depending on Project)	Projected Start/ Acquisition Date (Date reported cannot be before the start of the fiscal year to be reported on the form. Fiscal Years run from Oct. 1 -Sept. 30)	Projected Completion Date	Basis of Requirement (Use no more than 2 Codes. Click here to view Codes) USE LETTER OF CODE ONLY
	Education Trust Fund	Other State Funding	Other Funds												
1. New Construction/Acquisition Projects															
1. Manufacturing & Engineering Tech Center	1	\$12,500,000		\$12,500,000				1- 30%--3-70%	50,000	47,000	E&G	No	10/01/16	07/31/18	A, B
2. Workforce Development Center	2	\$8,500,000		\$8,500,000				1- 30%--3-70%	34,000	31,500	E&G	No	10/01/16	07/31/18	A, B
3.															
4.															
Subtotal		\$21,000,000		\$21,000,000											
2. Renovation/Remodeling Projects															
1.															
2.															
3.															
4.															
Subtotal															
3. Major Capital Equipment Projects															
1.															
2.															
3.															
4.															
Subtotal															
4. Deferred Maintenance/Facilities Renewal (See Instructions)															
1.															
2.															
3.															
4.															
Subtotal															
Total Intermediate Year 2 Capital Requirements		\$21,000,000		\$21,000,000											

A brief description and justification must be attached for each project listed above. If the descriptions/justifications are listed below adjust the print range so they print out properly

Provide a succinct but thorough justification of the need for the capital project. This information may be included in a separate Word Processing document. See instructions for further information.

FACILITIES MASTER PLAN / CAPITAL PROJECT REQUEST
 CAPITAL REQUIREMENTS SUMMARY
 (Form C)

Institution: J. F. Drake State Community and Technical College

Name of Respondent: Dr. John Reutter

Telephone Number: 256 551-3119 E-Mail Address: john.reutter@drakestate.edu

C. LONG TERM CAPITAL REQUIREMENTS - YEARS 3-5
 (FY 2017-2018 through FY 2019-2020)

	Estimated Total Cost
1. New Construction/Acquisition Projects	
1. Transportation Technology Center	\$6,000,000
2. Constructin Technology Center	<u>\$5,500,000</u>
3 Administration Building	<u>\$5,500,000</u>
4 Business and Informations Technologies Center	<u>\$6,500,000</u>
5 Parking Deck/Mutliffunction Facility	<u>\$6,500,000</u>
Subtotal	<u>\$30,000,000</u>
2. Renovation/Remodeling Projects	
1.	_____
2.	_____
3.	_____
4.	_____
Subtotal	_____
3. Major Capital Equipment Projects	
1.	_____
2.	_____
3.	_____
4.	_____
Subtotal	_____
4. Deferred Maintenance/Facilities Renewal (See Instructions)	
1.	_____
2.	_____
3.	_____
4.	_____
Subtotal	_____
Total Long Term Capital Requirements	<u>\$30,000,000</u>
Funding Source for All Long Term Projects:	
Education Trust Fund	\$ <u>\$7,000,000</u>
Other State Funding	\$ <u>\$9,000,000</u>
Other Funds	\$ <u>\$14,000,000</u>
Total Long Term Funding	<u>\$30,000,000</u>

D. TOTAL ALL CAPITAL PROJECTS \$ \$133,600,000
 (The total of Form A, B and C
 should be reported here)

STATEMENT OF BONDED INDEBTEDNESS AS OF SEPTEMBER 30, 2014

Institution: J.F. Drake State Community & Technical College
 Component (E&G, Auxiliary, Hospital, Health, Other) E&G
 Name of Respondent: Dr. John Reutter
 Telephone Number: 256 551-3119 E-Mail Address: john.reutter@drakestate.edu

NAME OF BOND ISSUE	PROJECT USE (Briefly describe project)	DATE OF ORIGINAL ISSUANCE	ORIGINAL VALUE	AMOUNT OUTSTANDING As of 9/30/2014	AMOUNT OF DEBT SERVICE As of 9/30/2014			SOURCE OF DEBT SERVICE PAYMENT	DATE OF MATURITY
					PRINCIPAL	INTEREST	TOTAL		
Series 2003 Revenue	Library/Technology Center	July 1, 2003	\$3,990,000	\$2,135,000.000	\$195,000	\$100,750	\$295,750	Tuition	July 1, 2023
Total			\$3,990,000	\$2,135,000	\$195,000	\$100,750	\$295,750		

Please be as specific as possible regarding the sources of debt service payments.

J.F. DRAKE STATE

COMMUNITY AND TECHNICAL COLLEGE

Projects Description Facilities Master Plan/Capital Project Request 2014 Submission

Description: FORM 1A- Immediate Capital Requirements – Year 1 (2015-2016)

New Construction/Acquisition Projects:

1. **Health Science Center (\$16.5M – 66,000 SF)** – The center will provide state-of-the-art teaching labs, classrooms, computer labs and office space for the college’s expanding nursing and other health science related programs.
2. **Student Center/Culinary Arts/College Dining Facility (\$16.0M – 50,000 SF)** – This facility will provide one-stop services for students, including the College business office, admissions, financial aid, tutoring, counseling, centralized advising, and career placement services, with an activity center, wellness center, and recreation area, dining services, bookstore, student study rooms and computer labs. The college’s culinary arts and hospitality management services program continues to grow; students need to be able to perform live work under the supervision of the instructors; the current facilities are not conducive for the training of culinary services with a “realistic” work environment that needs to be a part of the educational process and do not provide capacity for student and employee dining. The expansion in the culinary arts facility will include classrooms, culinary and hospitality management labs and offices.
3. **General Studies Complex with a Humanities/Fine Arts Center (\$10.5M – 42,000 SF) and a Math and Science Center (\$7.5M – 30,000 SF)** – The Math and Science Center will provide state-of-the-art math and science classrooms, laboratories for physics, chemistry, nanotechnology, and biology, computer labs, faculty offices and conference rooms.

The Humanities/Fine Arts Center will accommodate general assembly of students and employees. The Center will also provide facilities for fine arts classes, recitals, choir and band practice rooms, a concert hall, and an art gallery. Also included is an open-air amphitheater for performances. Both centers will include faculty offices and conference/meeting rooms for general use by all programs.

4. **Secured Entrance Project (\$3.5M)** – This project would provide for a new entrance to the campus with a security building to monitor cars coming into campus and to house electronic monitoring devices for total campus security. The entrance to the campus will be redesign to include a brick and landscaped entrance and a new roadway into the campus.
5. **Operations/Receiving Warehouse and Records Storage Building (\$2.5M – 10,000 SF)** – This facility will be used to provide a central site for the operations division and all campus deliveries and storage prior to deliveries on campus, as

well as storage of hard copy records from Admissions, Business Office and Grant Projects, including student records and financial reports.

- 6. Real Property Acquisition (\$5.5M)** – Purchase 20+ acres of adjacent real estate to accommodate building construction needs of next five years.

Renovations/Remodeling Projects:

- 1. Campus Infrastructure Upgrades (\$5.5M)** – The campus has an aging infrastructure that is hazardous to the health and safety of employees and students. The water lines are inadequate for fire safety (water mains are 2 ½” and 4” and need to be upgraded to 6” to provide adequate water supply for fire suppression); the sewer lines are decaying and need to be replaced; the communication lines between some of the buildings are frayed and will soon lose connectability to the college network and communications systems; low-hanging high voltage power lines between buildings need to be placed underground for public safety. The College has experienced inadvertent damage to overhead electrical transmission lines and weather-induced downed high tension power lines; these provide a serious hazard to the safety of the students and employees; underground utilities will improve the safety of the campus as well as its appearance. The camera surveillance system needs to be extended to areas not presently covered by cameras. A new fiber optic backbone is needed to upgrade campus communication system for telephones, video, public address system, information display panels to display announcements throughout campus and to support the computer network
- 2. Campus-Wide Renovations (\$3.5M)** – Replace roofs throughout the campus, bring all restroom facilities into compliance with ADA regulations, and add covered walkways between buildings to enhance accommodation of students with disabilities and protect students from inclement weather. Landscaping throughout the campus with green spaces for students to congregate between classes. Upgrade wiring, HVAC and plumbing in all buildings.
- 3. Building 500 Renovation (\$2.5M)** - Renovation of former cosmetology and barbering classroom and lab areas; renovation of business office; renovation of accounting and office administration area, renovation of information and communication technology area, replacement of boiler system, and asbestos abatement.

Major Capital Equipment Project:

- 1. Computer Numerical Control (CNC) Equipment (\$0.75M)** – new equipment will enhance the Machine Tool Technology program by providing state-of-the-art technology for student training to support the needs of the aerospace, defense, automotive, and medical manufacturing industries.
- 2. Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) Equipment (\$0.25M)** – New equipment is needed to provide the HVACR program with the capacity to train technicians in the commercial and industrial heating and air conditioning industry. This training is needed in the local area due

to large scale construction projects being started and planned over the next ten years in north Alabama.

- 3. Digital Fabrication Equipment (\$0.5M)** – The college needs digital fabrication equipment in order to train technicians to function at the newest levels of productivity made possible by this new technology now being utilized in advanced manufacturing facilities, particularly those related to aerospace, automotive, and medical equipment manufacturing.

Deferred Maintenance/Facilities Renewal:

- 1. Replace HVAC Systems (\$2.0M)** – The HVAC systems in the old buildings built in the 60s and 70s are in dire need of replacement. The Heating and Air Conditioning program has been repairing and maintaining the systems for several years, but at this point the only viable way to ensure a continuously comfortable learning environment for students is to replace the systems with modern, reliable technology that can be interconnected to an automated Building Management Systems that provides computer controlled management of the consumption of energy and maintenance of comfort levels satisfying to students and employees.
- 2. Repair and Replace Exterior Doors and Windows (\$1.5M)** – replace the exterior doors and windows that are in grave disrepair and to install windows that conserve energy, reducing overall utility costs.
- 3. Gutters for Campus Buildings (\$0.1M)** – older buildings without gutters will be updated with gutters. .
- 4. Additional Campus Lighting (\$0.25M)** – Additional lighting needs to be installed to keep campus well-lighted at night for enhanced security and safety of students and employees
- 5. Paving of Parking Lots (\$0.75M)** – New asphalt covering of all parking lots, painting of curbing, constructing of speed bumps and striping of all parking slots.
- 6. Keyless entry system for entire campus and downtown instructional site (\$0.5M)** – many locks are old and damaged; keys do not work; keying system is not set up in a way that allows administrators to have access with a minimum of keys; the keyless entry system will provide better security for faculty, staff and students and will enable the college to rapidly enforce a campus lockdown in the event of a catastrophic emergency.

Description: FORM 1B - Intermediate Capital Requirements – Year 2 (2016-2017)

New Construction/Acquisition Projects:

- 1. Manufacturing and Engineering Technology Center (\$12.5M – 50,000 SF)** – The Engineering and Manufacturing Technology Center will house state-of-the-art classroom and laboratory facilities and faculty offices, conference rooms and workrooms for electrical engineering technology, engineering graphics, machine

tool technology, industrial systems technology, welding technology, and other related programs, including robotics, motor controls, programmable logic controllers, digital fabrication, and electronics manufacturing.

- 2. Workforce Development Center (\$8.5M – 34,000 SF)** – This facility will provide training for a variety of industries, including the construction skills and specialty trades. The training components include carpentry, masonry, plumbing, residential electrical, HVAC, and to address the new Green Building technologies to include Smart Home Technologies. Additionally, the center will provide innovative and customized training for business and industry and job training courses designed for professional development and skills upgrades for unemployed, underemployed, and dislocated workers.

Description: FORM 1C – Long-Term Capital Requirements – Year 3-5 (FY 2017-2018 through 2019-2020)

New Construction/Acquisition Projects:

- 1. Transportation Technology Training Center (\$6.0M – 24,000 SF)** – This facility will provide classroom and lab space for new programs supporting the needs of the local transportation industries: truck driving, diesel mechanics, hybrid engine maintenance, biofuels testing lab, and truck refrigeration in addition to dealer service training, fast lube service training, and other automotive service training.
- 2. Construction Technology Training Center (\$5.5M – 24,000 SF)** – This facility will provide classroom and lab space for construction training programs, including building science, carpentry, cabinet making, masonry, plumbing, and renewable energy construction.
- 3. Administration Building (\$5.5M – 22,000 SF)** – This facility is needed to house growth in administrative staffing levels needed to support enrollment growth and the need to provide a more secure environment for employees
- 4. Business and Information Technologies Center (\$6.5M – 26,000 SF)** – This center will house additional classroom and lab facilities are needed to support growth in business and information programs. The BRAC impact continues to expand the need for trained office and information technology personnel for government offices, government contractors, and local banking and finance operations. New programs to be added include business administration, banking and finance, logistics, acquisitions, and government contracting.
- 5. Parking Deck/Multi-Function Facility (\$6.5M)** – This dual purpose facility will enable the College to convert its campus to a walking campus and relieve the parking concerns of Drake State by providing space for 400+ vehicles and general purpose classrooms and associated faculty offices and workrooms to accommodate expansion in demand for classroom space.