

Agriculture (65-00-00)

Project Summary Chart

Project Name	STATE CAPITAL FUNDS					
	\$ Prior to FY 1999	FY 1999	FY 2000 Request	FY 2000 Recommended	FY 2001 Request	FY 2002 Request
1. Agriculture Compliance Minor Capital Improvement and Equipment			\$ 20,000			
2. Agriculture Building and Laboratory Renovations			2,235,750	\$ 998,200	\$ 452,000	
3. Minor Capital Improvement at Redden State Forest			20,000	30,000		
4. Fire Fighting Equipment for the Forest Service			25,000			
5. Weights and Measures Minor Capital Improvement and Equipment			30,000			
6. State Forest Equipment		\$ 129,000	85,000			
7. Greenhouse			365,760			
N/A Nutrient Management				200,000		
TOTAL \$	0 \$	129,000 \$	2,781,510	\$ 1,228,200	\$ 452,000	\$ 0

*Due to the on-going basis of these appropriations, only the FY 1998 appropriation is reflected.

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1. Agriculture Compliance Minor Capital Improvements and Equipment

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested for minor capital improvements to purchase laboratory equipment to replace the current fiber testing unit.

Every livestock feed and pet food label lists a guarantee for crude fiber which the Agriculture Compliance Laboratory verifies on routine samples collected by the inspector. Crude fiber is currently tested by a fiber testing unit which was purchased in 1986. Over time, the equipment has developed leaks, seal destruction, and internal corrosion. Exposure to leaking chemicals poses risks to the technician's safety during analysis, the chemical spill cleanup, and when performing minor repairs. Also, service calls to the manufacturer are becoming more frequent and are expensive with lengthy downtime.

FACILITY DATA: N/A

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

State Funds		Capital Funds From Other Sources			
Authorized and Requested		Federal		Other	
FY 2000	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 0
TOTAL	\$ 20,000	\$ 0	\$ 0	\$ 0	\$ 0

COST BREAKDOWN:

	Total Previous Funding	FY 2000	FY 2001	FY 2002
Non-Construction Expenses:				
Other: (Equipment)	\$ 0	\$ 20,000	\$ 0	\$ 0
TOTAL	\$ 0	\$ 20,000	\$ 0	\$ 0

OPERATING COSTS – COMPLETED FACILITY: N/A

2. Agriculture Building and Laboratory Renovations

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested for renovation of the main building, courtyard, west addition (annex), and laboratories of the Department of Agriculture.

Renovations to the Agriculture complex are necessary for additional office space for existing personnel, for expanded storage space, and for general improvements to the building. The ventilation, heating, and air conditioning system must be updated to allow for more uniform airflow and temperature throughout the building. The open courtyard, which is currently unusable space, will be converted into much-needed office space. The annex, a separate addition located

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west of the main Agriculture building, will be renovated to improve general building conditions, as well as to allow for office and storage space.

Extensive renovations are necessary to update the laboratories located in the main Agriculture building. Deteriorating conditions in the laboratories are due to age, use of corrosive laboratory chemicals, water damage, rusted ductwork, poor ventilation, and inadequate fume exhaust. If renovations are not made to the laboratories, employee safety may be compromised and routine work will be affected due to deteriorating conditions.

FACILITY DATA:

Present Facility	Proposed Facility
Location: 2320 S. DuPont Highway Dover, Delaware	Location: 2320 S. DuPont Highway Dover, Delaware
Tax Parcel #: NM94.08-02-02-01.00	Tax Parcel #: NM94.08-02-02-01.00
Gross # square feet: 23,106 (main building) 3,680 (annex) 1,071 (courtyard)	Gross # square feet: 27,857 Total
Age of building: approx. 33 years	Estimated time needed to complete project: 18 mths
Age of additions 8 years	Estimated date of occupancy: January 2001
Year of last renovations: 1990	Estimated life of improvement: 20 years
# of positions in facility currently: 70	# of positions in facility when completed: 70

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

	State Funds		Capital Funds From Other Sources		
	Authorized and Requested		Federal		Other
FY 2000	\$	2,235,750	\$	0	\$ 0
FY 2001		452,000		0	0
TOTAL	\$	2,687,750	\$	0	\$ 0

COST BREAKDOWN:

		Total Previous Funding		FY 2000		FY 2001		FY 2002
Construction Expenses:								
Planning/Design	\$	0	\$	42,690	\$	0	\$	0
Architect/Engineering		0		170,560		0		0
Construction Cost (Cost/sq.ft. \$73)		0		2,022,500		0		0
Non-Construction Expenses:								
Furniture		0		0		420,000		0
Other (Telecommunications)		0		0		32,000		0
TOTAL	\$	0	\$	2,235,750	\$	452,000	\$	0

OPERATING COSTS – COMPLETED FACILITY: N/A

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3. Minor Capital Improvements and Equipment at Redden State Forest

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested in the amount of \$20,000 to complete projects at Redden State Forest. Specifically, these funds will allow the DDA Forest Service to repave the entrance road and enlarge the parking area for the new office at Redden State Forest.

The ongoing capital improvements at Redden State Forest are nearly complete, with the new office and educational facility scheduled for completion during FY 1999. Additional funds are needed to repave the entrance lane to Redden State Forest. This lane was originally paved over 20 years ago, and another application of asphalt is needed. This project will also enlarge the parking space around the new office facility, helping to improve public access.

FACILITY DATA:

Present Facility	Proposed Facility
Location: Redden State Forest Headquarters Tract North of Georgetown	Location: Same
Tax Parcel #: 1-35-5-76	Tax Parcel #: 1-35-5-76
Gross # square feet: N/A	Gross # square feet: N/A
Age of building: approx. N/A	Estimated time needed to complete project: N/A
Age of additions N/A	Estimated date of occupancy: N/A
Year of last renovations: N/A	Estimated life of improvement: 20 Years
# of positions in facility currently: N/A	# of positions in facility when completed: N/A

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

State Funds		Capital Funds From Other Sources		
Authorized and Requested		Federal		Other
FY 2000	\$ 20,000	\$	0	\$ 0
TOTAL	\$ 20,000	\$	0	\$ 0

COST BREAKDOWN:

	Total Previous Funding		FY 2000		FY 2001		FY 2002
Non-Construction Expenses:							
Other	\$ 0	\$	20,000	\$	0	\$	0
TOTAL	\$ 0	\$	20,000	\$	0	\$	0

OPERATING COSTS – COMPLETED FACILITY: N/A

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4. Fire Fighting Equipment for the Forest Service

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to replenish and modernize the DDA Forest Service's supply of wildland fire fighting equipment.

This request will allow the DDA Forest Service to replace existing, outdated fire fighting equipment. These supplies include fire rakes, shovels, and collapsible backpack water pumps. This equipment is used by DDA Forest Service personnel and issued to fire companies throughout Delaware to aid fighting wildfires. A portable pump for Redden State Forest is also needed for a tanker truck at that location. This request includes supplies and personal protective equipment for the fire crew. This equipment includes gloves, hard hats, eye protection, flame resistant clothing, etc. This purchase, coupled with the upgrade of the DDA Forest Service's bulldozer fleet funded through the FY 1999 Bond Bill, will help the DDA Forest Service further improve and modernize the wildland fire program.

FACILITY DATA: N/A

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

State Funds		Capital Funds From Other Sources			
Authorized and Requested		Federal		Other	
FY 2000	\$ 25,000	\$	0	\$	0
TOTAL	\$ 25,000	\$	0	\$	0

COST BREAKDOWN:

	Total Previous Funding		FY 2000		FY 2001		FY 2002
Non-Construction Expenses:							
Other (Equipment)	\$ 0	\$	25,000	\$	0	\$	0
TOTAL	\$ 0	\$	25,000	\$	0	\$	0

OPERATING COSTS – COMPLETED FACILITY: N/A

5. Weights and Measures Minor Capital Improvements and Equipment

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to purchase two new mobile fuel oil provers.

The Weights and Measures Section currently uses mobile fuel oil provers, purchased in 1965, for testing home heating fuel and gasoline delivery trucks. The mobile fuel oil provers are enclosed in custom-designed trailers which are transported behind the inspectors' trucks. Due to age and continual use, this equipment has deteriorated, the axles have collapsed, and the electrical

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components are malfunctioning. If this equipment is not replaced, the inspection of fuel and gasoline delivery trucks will be severely hindered, and the investigation of complaints will be extremely delayed.

FACILITY DATA: N/A

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

State Funds		Capital Funds From Other Sources			
Authorized and Requested		Federal		Other	
FY 2000	\$ 30,000	\$	0	\$	0
TOTAL	\$ 30,000	\$	0	\$	0

COST BREAKDOWN:

		Total Previous Funding	FY 2000	FY 2001	FY 2002
Non-Construction Expenses:	\$	\$	\$	\$	\$
Other (Equipment)		0	30,000	0	0
TOTAL	\$	0	\$ 30,000	\$ 0	\$ 0

OPERATING COSTS – COMPLETED FACILITY: N/A

6. State Forest Equipment

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to purchase new equipment for the Delaware Department of Agriculture (DDA) Forest Service. This request will allow the DDA Forest Service to purchase a new dump truck and trailer to use at Redden State Forest and a tractor with a belly mower for Blackbird State Forest.

These three pieces of equipment will help the DDA Forest Service continue to improve State Forests. Specifically, the new dump truck and trailer will replace a 1982 dump truck and a 1976 low-boy trailer. Staff at Redden State Forest use this equipment to transport fire-fighting equipment to assist volunteer fire companies. These vehicles are also used to assist with the management of Redden State Forest by hauling equipment and materials.

The tractor and belly mower will replace a 1989 riding lawnmower and a 1979 tractor at Blackbird State Forest. This equipment is used to maintain the grounds at Blackbird State Forest.

FACILITY DATA: N/A

POSITION REQUEST:

No new positions specific to this project are requested.

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CAPITAL REQUEST:

State Funds		Capital Funds From Other Sources			
Authorized and Requested		Federal		Other	
FY 2000	\$ 85,000	\$	0	\$	0
TOTAL	\$ 85,000	\$	0	\$	0

COST BREAKDOWN:

	Total Previous Funding	FY 2000	FY 2001	FY 2002
Non-Construction Expenses:				
Other (Equipment)	\$ 0	\$ 85,000	\$ 0	\$ 0
TOTAL	\$ 0	\$ 85,000	\$ 0	\$ 0

OPERATING COSTS – COMPLETED FACILITY: N/A

7. Greenhouse

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to construct a new greenhouse to replace the inoperative greenhouse at the Delaware Department of Agriculture. The new facility would be attached to the Annex. The greenhouse would have to meet Federal Quarantine Facility Standards so that plants and plant pests may be kept under secured conditions. The approximate size of the proposed greenhouse would be 3,600 square feet. The greenhouse would be composed of four separate units. The greenhouse would be used to raise biological control agents on host plants, conduct herbicide screening tests, conduct virus indexing studies, and perform other plant pathology/insect pest studies. The four separate units are needed to prevent cross-contamination of projects.

The mission of the Plant Industries Section is to protect Delaware’s environment from plant pests. A greenhouse that meets quarantine standards is needed to accomplish this mission. The Plant Industries Section currently does not have use of a greenhouse to conduct projects and studies to support the section’s programs. The current greenhouse has been examined by Facilities Management and has been deemed inoperative and can not be effectively renovated. The construction of a new greenhouse was recommended by Facilities Management.

Plant Industries is currently developing biological control programs for non-native invasive weed species, and will be expanding this program to include other biocontrol projects. Host plant material, insects, pathogens, and other biological organisms must be contained under quarantine standards. No such facility exists at the Department of Agriculture.

Another area of Plant Industries’ responsibilities that depends on greenhouse utilization is the seed certification of bio-engineered seed. Soybean seeds and other herbicide tolerant seeds are being produced by agricultural companies. Herbicide screening will be necessary in order to conduct seed certification. Plant material will have to be grown throughout the year in order to conduct these tests.

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The Plant Industries Section does not currently have facilities for plant pathogen diagnostics or for virus indexing of fruit crops. These are activities typically performed by State Departments of Agriculture, but are not done in Delaware for lack of facilities. A greenhouse is necessary to conduct these activities.

FACILITY DATA:

Present Facility	Proposed Facility
Location: 2320 S. DuPont Highway Dover	Location: 2320 S. DuPont Highway Dover
Tax Parcel #: N/A	Tax Parcel #:
Gross # square feet: N/A	Gross # square feet: 3,600
Age of building: approx. N/A	Estimated time needed to complete project: 1 year
Age of additions N/A	Estimated date of occupancy: 6/30/2000
Year of last renovations: N/A	Estimated life of improvement: 20 years
# of positions in facility currently: N/A	# of positions in facility when completed: None

POSITION REQUEST:

No new positions specific to this project are requested.

CAPITAL REQUEST:

	State Funds		Capital Funds From Other Sources	
	Authorized and Requested		Federal	Other
FY 2000	\$	365,760	\$	0
TOTAL	\$	365,760	\$	0

COST BREAKDOWN:

	Total Previous Funding	FY 2000	FY 2001	FY 2002
Construction Expenses:				
Planning/Design	\$ 0	\$ 10,000	\$ 0	\$ 0
Architect/Engineering	0	37,760	0	0
Construction Cost (Cost/sq.ft. \$102)	0	318,000	0	0
TOTAL	\$ 0	\$ 365,760	\$ 0	\$ 0

OPERATING COSTS – COMPLETED FACILITY:

Maintenance	\$ 4,536
Energy	6,696
Salary/Wages	0
New Posts Requested _____	
Lease	0
Custodial	2,736
Other	0
TOTAL	\$ 13,968

The source of operating funding will be a combination of General Fund, ASF and NSF.

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FISCAL YEAR 2001

1. Agriculture Building and Laboratory Renovations	\$452,000
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See Project Descriptions for FY 2000
