

Agriculture (65-00-00)

Project Summary Chart

Project Name	STATE CAPITAL FUNDS					
	\$ Prior to FY 2000	FY 2000	FY 2001 Request	FY 2001 Recommended	FY 2002 Request	FY 2003 Request
1. Agriculture Compliance Laboratory Renovation		\$ 1,000,000	\$ 700,000	\$ 700,000		
2. Agriculture Compliance Laboratory Equipment			25,200			
3. Weights and Measures Minor Capital Improvement and Equipment			45,000			
4. Fire Fighting Equipment for the Forest Service			22,000			
5. Plant Industries Greenhouse			260,000			
TOTAL \$	0 \$	1,000,000	\$ 1,052,200	\$ 700,000	\$ 0	\$ 0

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1. Agriculture Compliance Laboratory Renovation

PROJECT DESCRIPTION AND JUSTIFICATION

Construction costs, laboratory furniture, and telecommunication funding is requested to complete the renovation of the Agriculture Compliance Laboratory.

The Agriculture Compliance Section is undergoing extensive renovation of the laboratory and offices. Funding is requested for the remainder of the construction costs, for laboratory furniture, and for telecommunication costs to complete the renovation.

FACILITY DATA:

Present Facility	Proposed Facility
Location: 2320 S. DuPont Highway Dover, DE 19901	Location: 2320 S. DuPont Highway Dover, DE 19901
Tax Parcel #: NM94.08-02-02-01.00	Tax Parcel #: NM94.08-02-02-01.00
Gross # square feet: 12,000 (Lab and Office) 3,127 (Annex)	Gross # square feet: 12,000 (Lab and Office) 3,170 (Annex)
Age of building: 34 years	Estimated time needed to complete project: 1 ½ years
Age of additions: 9 years	Estimated date of occupancy: January 2001
Year of last renovations: 1990	Estimated life of improvement: 20 years
# of positions in facility currently: 10	# of positions in facility when completed: 10

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	\$	1,000,000	\$	0	\$ 0
FY 2001		700,000		0	0
TOTAL	\$	1,700,000	\$	0	\$ 0

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COST BREAKDOWN:

	Total Previous Funding		FY 2001		FY 2002		FY 2003
Construction Expenses:							
Planning/Design	\$ 30,000	\$	0	\$	0	\$	0
Architect/Engineering	70,000		0		0		0
Construction Costs	900,000		538,000		0		0
Non-Construction Expenses:							
Technology (Security, Computer Wiring, Network Operations)	0		40,000		0		0
Furniture	0		80,000		0		0
Other (Telecommunication, Moving, and Signage)	0		42,000		0		0
TOTAL	\$ 1,000,000	\$	700,000	\$	0	\$	0

OPERATING COSTS – COMPLETED FACILITY: N/A

2. Agriculture Compliance Laboratory Equipment

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to replace equipment in the laboratory.

Repairs to current equipment are expensive and frequent, and result in lengthy downtime. Current equipment has long surpassed the life expectancy for similar models, and can no longer be relied upon for accurate performance. The following equipment is requested to be replaced:

1 Fiber Testing Unit	\$ 20,000
2 Standard Drying Ovens @ \$ 1,250 each	\$ 2,500
1 Full Size Laboratory Refrigerator	\$ 1,200
1 Full Size Upright Freezer	\$ 1,500

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 2001	\$	25,200	\$	0	\$	0
TOTAL	\$	25,200	\$	0	\$	0

COST BREAKDOWN:

		Total Previous Funding	FY 2001	FY 2002	FY 2003
Non-Construction Expenses:					
Other (Lab Equipment)	\$	0	\$ 25,200	\$ 0	0
TOTAL	\$	0	\$ 25,200	\$ 0	0

OPERATING COSTS – COMPLETED FACILITY: N/A

3. Weights and Measures Minor Capital Improvement and Equipment

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to purchase three 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. The four present provers are not road worthy and no longer meet National Institute of Standards and Technology requirements. Because of the age and condition of the current provers, they are not environmentally safe due to the leakage of hazardous materials during inspection. This leakage also affects calibration of the units and several electrical components are malfunctioning. The new provers will allow the inspectors to do their job in a safer, more efficient and timely manner.

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 2001	\$	45,000	\$	0	\$	0
TOTAL	\$	45,000	\$	0	\$	0

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COST BREAKDOWN:

	Total Previous Funding		FY 2001		FY 2002		FY 2003
Non-Construction Expenses:							
Other (Equipment)	\$ 0	\$	45,000	\$	0	\$	0
TOTAL	\$ 0	\$	45,000	\$	0	\$	0

OPERATING COSTS – COMPLETED FACILITY: N/A

4. Fire Fighting Equipment for the Forest Service

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested for two slip-in water tanks, with built-in foam systems, for brush (heavy-duty pick-up) trucks at Blackbird and Redden State Forests.

This request will allow the DDA Forest Service to replace outdated fire-fighting equipment. Currently, the Forest Service uses 100 gallon, slip-in water tanks that do not have the capacity to apply foam. These units are placed in a heavy-duty pick-up truck during periods of high fire danger to improve fire-fighting capability. The requested units hold 200 gallons of water and contain foam application systems. These modern units will not only double water-carrying capacity, but the foam application system produces an even more effective wildfire suppression system. The DDA Forest Service uses this equipment to assist volunteer fire companies throughout Delaware with the suppression of wildfires. These units would more effectively and safely suppress wildfires.

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 2001	\$ 22,000	\$	0	\$	0
TOTAL	\$ 22,000	\$	0	\$	0

COST BREAKDOWN:

	Total Previous Funding		FY 2001		FY 2002		FY 2003
Non-Construction Expenses:							
Other (Equipment)	\$ 0	\$	22,000	\$	0	\$	0
TOTAL	\$ 0	\$	22,000	\$	0	\$	0

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OPERATING COSTS – COMPLETED FACILITY: N/A

5. Plant Industries Greenhouse

PROJECT DESCRIPTION AND JUSTIFICATION

Funding is requested to construct a new greenhouse to replace the inoperative greenhouse at the 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 used to rear 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 the mission of Plant Industries. 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.

Plant Industries is currently developing biological control programs for non-native invasive species (purple loosestrife), and will be expanding this program to include other biocontrol projects. With the advent of the federal government's Invasive Species Initiative, opportunities to address other invasive plant pests will become available. 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. 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.

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.

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FACILITY DATA:

Present Facility	Proposed Facility
Location: 2320 S. DuPont Hwy. Dover, DE 19901	Location: 2320 S. DuPont Hwy. Dover, DE 19901
Tax Parcel #: NM94.08-02-02-01.00	Tax Parcel #: NM94.08-02-02-01.00
Gross # square feet: 12,000 (Lab and Office) 3,127 (Annex)	Gross # square feet: 3,600
Age of building: 34 years	Estimated time needed to complete project: 1 year
Age of additions: 9 years	Estimated date of occupancy: 06/30/2001
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 2001	\$ 260,000	\$ 0	\$ 0	\$ 0
TOTAL	\$ 260,000	\$ 0	\$ 0	\$ 0

COST BREAKDOWN:

	Total Previous Funding	FY 2001	FY 2002	FY 2003
Construction Expenses:				
Architect/Engineering	\$ 0	\$ 10,000	\$ 0	\$ 0
Construction Costs	0	250,000	0	0
TOTAL	\$ 0	\$ 260,000	\$ 0	\$ 0

OPERATING COSTS – COMPLETED FACILITY:

Maintenance	\$ 4,536
Energy	6,696
Salary/Wages	0
New Posts Requested _____	0
Lease	0
Custodial	2,736
Other	5,364
TOTAL	\$ 19,332