



# House Appropriations Committee 2008 Session Budget Amendment Form

\*\*\* The deadline to submit completed forms is 5:00 p.m. THURSDAY, JANUARY 17, 2008 \*\*\*

**Patron:** \_\_\_\_\_  
(Print name of Delegate) (Signature of Delegate)

Requests can be made by completing this form and submitting it to the House Appropriations Committee staff office on the 9<sup>th</sup> floor of the GAB.

Agency Name: Virginia Cooperative Extension / Agricultural Experiment Station

Please circle the House Bill that your budget amendment request relates to:    **HB29**    (or)    **HB30**

Increase/Decrease

Use this section to indicate whether your amendment would require an Increase or Decrease in appropriated funds.

General Fund (GF) monies are derived from taxes levied on individual and corporate income, sales, public service corporations, and insurance companies. The General Fund is the major source of support for many State functions.

Nongeneral Fund (NGF) monies consist of special fund revenues, higher education operating monies (tuition, special revenues and federal grants), highway maintenance and construction funds, trust and agency funds, and federal trust funds.

| <u>Funding</u>                               | <u>First Year</u>       | <u>Second Year</u> |
|--|-------------------------|--------------------|
| <input checked="" type="checkbox"/> Increase | GF \$ <u>54,275,000</u> | GF \$ _____        |
| <input type="checkbox"/> Decrease            | NGF \$ _____            | NGF \$ _____       |

Employment Level

Use this section to indicate if a change in the employment level of the agency is desired or necessary. The employment level is the number of full-time equivalent (FTE) positions dedicated to a specific program activity or agency. If you are unsure, leave the space blank.

| <u>Employment Level</u>           | <u>First Year</u> | <u>Second Year</u> |
|-----------------------------------|-------------------|--------------------|
| <input type="checkbox"/> Increase | GF FTE _____      | GF FTE _____       |
| <input type="checkbox"/> Decrease | NGF FTE _____     | NGF FTE _____      |

Explanation of Amendment

Please explain the purpose of your amendment or attach explanatory materials. THIS IS THE MOST IMPORTANT PART OF REQUESTING AN AMENDMENT as it ensures the staff has adequate background information to draft your budget amendment request.

**EXPLANATION OF AMENDMENT:** (Explain or Attach Materials)

This request is to fully fund the Human and Agricultural Biosciences Building I capital project. The cost estimate of the proposed 92,500 gross square foot laboratory is \$54.275 million. The Governor's proposed bond package includes \$28.293 million of support for this project, about half the amount needed for the full building. This request is to fully fund the \$54.275 million project to provide the whole laboratory requirements of the Experiment Station. The request is for 100 percent General Fund support because, based on the historic state mission of the Experiment Station, the agency does not generate nongeneral fund revenue to support capital projects. Thus, the state has addressed the cost of research facilities for the agency.

**Please return this signed, original form** (and the co-patron signature sheet if applicable) to the House Appropriations Committee Staff, 9th Floor, General Assembly Building -- Telephone: (804) 698-1590, FAX: (804) 698-1802

This form can also be found on the House Appropriations Committee's website: <http://hac.state.va.us>

**\*\*\* PLEASE KEEP A COPY OF THE COMPLETED FORM & SUPPORTING DOCUMENTATION FOR YOUR RECORDS \*\*\***

**VIRGINIA COOPERATIVE EXTENSION/AGRICULTURAL EXPERIMENT STATION  
(Agency 229)**

**Capital Expenses  
Budget Amendment Proposal**

|                             | <u>2008-2009</u> | <u>2009-10</u> | <u>Biennium</u> |
|-----------------------------|------------------|----------------|-----------------|
| Additional Funds Requested: |                  |                |                 |
| General Fund                | \$ 54,275,000    | \$ - -         | \$ 54,275,000   |
| Nongeneral Fund             | \$ - -           | \$ - -         | \$ - -          |

Title: Human and Agricultural Biosciences Building I

**Justification Statement:**

Agriculture research at the molecular scale is the new frontier of industry improvement. Increasingly, research in genomics, microbiology, bacteriology, and immunology are driving the development of new approaches to solving problems that impact human and animal health, agricultural production, and the environment. The availability of state-of-the-art research facilities that can support interdisciplinary teams will enhance the quality and quantity of research in the medical, biomedical, and public health sciences at Virginia Tech. This strategy is congruent with National Institutes of Health's intentions to provide future funding to interdisciplinary research teams rather than single investigators examining a limited area of a problem. Virginia Tech has a unique capability to connect laboratory based research with practical applications through the Experiment Station. In this way, "test-tube" technologies can be developed, implemented, refined and then distributed with significant impact on the lives of citizens.

The Human and Agricultural Biosciences Building I project has been on the University's Six-Year Capital Outlay plan since 2005 and is included in the first biennium as a high priority to provide the Agricultural Experiment Station in the College of Agriculture and Life Sciences with expanded modern research space. The 92,500 gross square foot facility will be a combination of faculty offices, research offices and laboratories, and graduate student research space that will be used to house a number of research programs in the Experiment Station.

The cost estimate of the proposed 92,500 gross square foot laboratory is \$54.275 million. The Governor's proposed bond package includes \$28.293 million of support for this project, about half the amount needed for the full building. This request is to fully fund the \$54.275 million project to provide the whole laboratory requirements of the Experiment Station. The request is for 100 percent General Fund support because, based on the historic state mission of the Experiment Station, the agency does not generate nongeneral fund revenue to support capital projects. Thus, the state has addressed the cost of research facilities for the agency.

The proposed construction is a state-of-the-art laboratory facility to meet the current demands of animal and plant science research and discovery. New technologies, such as genetic engineering, biotechnologies, and information technologies, are revolutionizing agriculture, the life sciences, and other natural resources.

The project scope is based on a thorough analysis of the five priority research areas listed below that the laboratory building will support: (1) Molecular and cellular regulation including cell cycle/cancer, cell structure and biochemistry, and cell signaling; (2) genomics science including functional genomics and proteomics, computational genomics and comparative genomics; (3) infectious disease and immunology including biology of the microbe, host responses, vaccines, therapeutics

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and diagnostics; (4) neuroscience including central nervous system neurotoxicology and neurodegeneration, environmental neurotoxicology, molecular neuroscience, and cognitive, affective, behavioral neurosciences; and (5) public health. These areas will have profound impacts on human health issues such as youth and adult obesity, disease prevention and management, and upon energy independence and quality of life. Virginia Tech is uniquely positioned to tie innovative discoveries in the laboratory to practical programs delivered to citizens through the Extension service.

With the exception of a couple modern laboratories, the laboratory facilities at Virginia Tech are not sufficient to meet the demands of this rapidly evolving area; thus, a new, modern laboratory is needed. The majority of Virginia Tech's existing laboratory spaces for biosciences research around the Agriculture Quad include the following buildings: Agnew Hall (1940), Hutcheson Hall (1940), Price Hall (1907), Saunders Hall (1931), Seitz Hall (1940) and Smyth Hall (1939.) These buildings were all constructed prior to World War II, are obsolete for the advanced research activity needed to support the modern agriculture industry, and are too costly to renovate or upfit to support modern biosciences laboratory work. The task of bringing these structures up to 21st century building codes as research facilities would be very expensive and would not contribute to recruitment, retention, and research productivity. The costs of building upgrades, utility enhancements, and installation of research equipment such as chemical hoods, will exceed the cost of a new facility and, because of size limitations, would still not provide a facility adequate for the needs of future research in the biosciences. The University has future facility plans to renovate these buildings to support other programs that do not require intensive research laboratories.

Three other biosciences facilities located outside the Agriculture Quad, including Engel Hall (1961), the Food Science and Technology complex (1952, 1965, 1968), and Wallace Hall (1969), share many of the same concerns with the buildings in the nearby Agriculture Quad. Although these facilities may require less structural renovations, their overall design reflects the research needs from 40 years ago and, like the Agriculture Quad buildings, replacement is likely to cost less than extensive renovation for modern research activity. The University may raze one of the existing buildings described above if the proposed project is funded.

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|                |                 |              |
|----------------|-----------------|--------------|
| Abbitt         | Howell, A.T.    | O'Bannon     |
| Albo           | Howell, W. J.   | Oder         |
| Alexander      | Hugo            | Orrock       |
| Amundson       | Hull            | Peace        |
| Armstrong      | Iaquinto        | Phillips     |
| Athey          | Ingram          | Plum         |
| BaCote         | Janis           | Pogge        |
| Barlow         | Joannou         | Poindexter   |
| Bell           | Johnson         | Poisson      |
| Bouchard       | Jones, D.C.     | Purkey       |
| Bowling        | Jones, S.C.     | Putney       |
| Brink          | Kilgore         | Rust         |
| Bulova         | Landes          | Saxman       |
| Byron          | Lewis           | Scott, E. T. |
| Caputo         | Lingamfelter    | Scott, J. M. |
| Carrico        | Lohr            | Shannon      |
| Cline          | Loupassi        | Sherwood     |
| Cole           | Marsden         | Shuler       |
| Cosgrove       | Marshall, D. W. | Sickles      |
| Cox            | Marshall, R. G. | Spruill      |
| Crockett-Stark | Massie          | Suit         |
| Dance          | Mathieson       | Tata         |
| Ebbin          | May             | Toscano      |
| Eisenberg      | McClellan       | Tyler        |
| Englin         | Melvin          | Valentine    |
| Fralin         | Merricks        | Vanderhye    |
| Frederick      | Miller, J.      | Ward         |
| Gear           | Miller, P.      | Ware, O.     |
| Gilbert        | Moran           | Ware, R. L.  |
| Griffith       | Morgan          | Watts        |
| Hall           | Morrissey       | Wright       |
| Hamilton       | Nichols         |              |
| Hargrove       | Nixon           |              |
| Hogan          | Nutter          |              |

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