

**WESTINGHOUSE SAVANNAH RIVER COMPANY  
INTER-OFFICE MEMORANDUM**

August 5, 1999

TO: Dick Reynolds

From: Cindy Stafford

**SRTC OPERATIONS/FACILITIES OPERATING AND CAPITAL EQUIPMENT BUDGETING  
INFORMATION**

Attached you will find the Laboratory Services Department and Technical Services Engineering Department response to your request for information regarding the budget breakout for the operation and facility cost of SRTC. This attachment details the costs of operating and maintaining the infrastructure of SRTC.

Below I had modified the response provided by SRTC detailing the capital equipment needs for SRTC for the next three years.

Three current projects will be completed in FY00. They include:

- 1.) Warm Glass Characterization Lab, 773-A – FY00 BO \$835K; TEC \$1,388K
- 2.) Contained Scanning Electron Microscope, 773-A – FY00 BO \$1,202K; TEC \$2,090K
- 3.) Mini-Melter, 786-A – FY00 BO \$500K; TEC \$1,592K

The following Capital Equipment projects are currently in the AOP infrastructure budget as funded for FY00:

- 1.) Replace Obsolete Nuclear Lab Analytical Equipment - \$570K
- 2.) Purchase a 250V X-Ray System - \$196K
- 3.) Restoration of ADS Nuclear Counting Capabilities - \$365K
- 4.) Purchase a Slow-Strain Rate Test Apparatus for SCC Environmental - \$218K
- 5.) Purchase Hi-Temp (>1000C) Ovens, 773-A - \$218K
- 6.) Replacement of Contained ICP-MS - \$1,088K
- 7.) Purchase a Metallograph - \$44K
- 8.) Purchase a Potentiostat/Galvanostats, 773-A - \$218K
- 9.) Purchase and install an Arc Melter, 773-A - \$273K
- 10.) Purchase a Large Cut-off Saw, 773-A - \$44K

Four Capital Equipment projects are currently in the AOP infrastructure budget as unfunded for FY00. If funding becomes available for SRTC, these projects would be at the top of the list for funding.

- 1.) Purchase a Potential Drop Crack Length Measurement System, 773-A - \$23K
- 2.) Purchase a Bench Top 10-20 ksi Tensile Machine, 723-A - \$33K
- 3.) Epi-Fluorescence Microscope, 773-A - \$110K
- 4.) EDM Machine Upgrade, C-162,773-A - \$590K

Attached is a list of additional capital equipment items that are contained in SRTC's Capital Equipment Project database. These items are sorted by year for 2000, 2001, and 2002. The items listed for 2000 are items that were not considered for the FY00 AOP funding (i.e., the items discussed above are not included on the attached list. After the AOP is complete these items will be merged with the year 2001 items and the combined list will be re-prioritized for FY01 funding consideration. Items with a Division priority rank of "999" are low priority items.

CC: Mike Swain, 773-43A  
Richard Davis, 773-43A  
Kay Teese, 773-43A

**ATTACHED LIST NOT AVAILABLE ELECTRONICALLY**

## Information Request

The response provided is for the following question:

- Capital equipment needs (equipment and \$ value) for the next three years.

Three current projects will be completed in FY00. They are:

1. Warm Glass Characterization Lab, 773-A – FY00 BO \$835K; TEC \$1,818K
2. Contained Scanning Electron Microscope, 773-A – FY00 BO \$1,202K; TEC \$2,330K
3. Mini-Melter, 786-A – FY00 BO \$500K; TEC \$1592K

Two SRTC related line items have recently been approved. These are multi-year projects.

1. Decontamination and replacement of the 773-A roof -- this line item includes two projects which have a total TEC of \$14.6 million
2. Restoration of Technical Area Ventilation Systems in B, C and E Wings of 773-A -TEC \$27.7 million

The following CE and GPP projects are currently in the AOP infrastructure budget as funded for FY00.

1. Replace Obsolete Nuclear Lab Analytical Equipment - \$570K
2. Purchase a 250KV X-ray System - \$196K
3. Restoration of ADS Nuclear Counting Capabilities - \$365K
4. Purchase a Slow-Strain Rate Test Apparatus for SCC Environmental - \$218K
5. Purchase Hi-Temp (>1000C) Ovens, 773-A - \$218K
6. Replacement of Contained ICP-MS - \$1,088K
7. Purchase a Metallograph - \$44K
8. Purchase a Potentiostat/Galvanostats, 773-A - \$218K
9. Purchase and install an Arc Melter, 773-A - \$273K
10. Purchase a Large Cut-Off Saw, 773-A - \$44K

Two CE projects are currently in the AOP infrastructure budget as unfunded for FY00. If funding becomes available for SRTC, these two projects would be at the top of the list to do.

1. Purchase a Potential Drop Crack Length Measurement System, 773-A - \$23K
2. Purchase a Bench Top 10-20 ksi Tensile Machine, 723-A - \$33K

Funding for two restoration line items is currently being pursued. They are:

1. Restoration of the Shielded Cells, 773-A - TEC of \$38 million (multi-year project)
2. General restoration of SRTC facilities to improve safety, environmental and productivity issues - TEC of \$24 million (multi-year project)

The following CE items were considered for FY00 AOP infrastructure funding but did not make the short list. We do not anticipate that the infrastructure budget will support funding of these items; however, if funding became available for SRTC projects these items would come after the two items that did make the short list.

1. Bio-Sterile Hoods, 773-A-\$110K
2. Epi-Flouresence Microscope, 773-A - \$165K
3. Gamma Cell Dedicated for Corrosion Testing - \$275K
4. EDM Machine Upgrade, 773-A - \$55K

## 5. Renovation of Laboratory C-162, 773-A - \$590K

Attached is a list of additional capital equipment items that are contained in SRTC's CE/GPP Projects database. These items are sorted by year for 2000, 2001 and 2002. The items listed for 2000 are the items that were not considered for FY00 AOP funding (i.e., the items discussed above are not included on the attached list. After the AOP is complete these items, as well as any other unfunded FY00 AOP items discussed above, will be merged with the year 2001 items and the combined list will be re-prioritized for FY01 funding consideration. Items with a Division priority rank of "999" are low priority items.

AAZ 8/3/99

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