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**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
ANNUAL REPORT**

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**ARIZONA UNIVERSITY SYSTEM**

**Arizona State University  
Northern Arizona University  
University of Arizona**

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**For the fiscal year ended June 30, 2003,  
as required by A.R.S. §15-1648(D).**

**September 1, 2003**



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Superintendent of  
Public Instruction

*Executive Director*

**Linda J. Blessing, Ph.D.**

2020 N. Central Ave.

Suite 230

Phoenix, AZ 85004

(602) 229-2500

fax (602) 229-2555

[www.abor.asu.edu](http://www.abor.asu.edu)

August 29, 2003

The Honorable Janet Napolitano  
Governor of Arizona  
Arizona State Capitol  
1700 West Washington Street  
Phoenix, AZ 85007

Dear Governor Napolitano:

On behalf of the Arizona Board of Regents, Arizona State University, Northern Arizona University, and the University of Arizona, and in accordance with A.R.S. §15-1648(D), I am pleased to submit the attached annual report for the Arizona Board of Regents' Technology and Research Initiative Fund (TRIF) for the fiscal year ended June 30, 2003. TRIF is continuously appropriated to the Arizona Board of Regents with Education 2000 (Proposition 301, November 2000) sales tax revenues pursuant to A.R.S. §42-5049(E)(2).

As required, ABOR has adopted rules to administer TRIF and has incorporated these rules into Board Policy 3-412.

This annual report provides budget and expenditure information on each TRIF initiative. These initiatives are consistent with statutory language calling for TRIF funds to support university research, development, and technology transfer related to the knowledge-based global economy; to expand access to baccalaureate or post-baccalaureate education for time-bound and place-bound students; to implement recommendations of the Governor's Task Force on Higher Education and the Arizona Partnership for the New Economy; and to develop programs that will prepare students to contribute in high technology industries located in Arizona.

Our FY 2003 TRIF budget supported initiatives in biosciences and biotechnology, information science and technology, and access and workforce development, as well as optical sciences, water sustainability, and environmental research and development. These programs have been designed and implemented to better position Arizona as a major player in the global marketplace. Detailed business plans for each initiative have been developed and are available on the ABOR website.

The Honorable Janet Napolitano  
August 29, 2003  
Page Two

Please contact me at 602-229-2505 or [linda.blessing@asu.edu](mailto:linda.blessing@asu.edu), if I can answer any questions or provide additional information about these important and exciting initiatives.

Sincerely,

Linda J. Blessing  
Executive Director

cc: The Honorable Ken Bennett, President, Arizona State Senate  
The Honorable Jake Flake, Speaker, Arizona House of Representatives  
The Honorable Jan Brewer, Secretary of State  
Ms. GladysAnn Wells, Director, Arizona State Library, Archives and Public Records  
Members of the Arizona Board of Regents  
Dr. Michael Crow, President, Arizona State University  
Dr. John Haeger, President, Northern Arizona University  
Dr. Peter Likins, President, University of Arizona

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**Arizona Board of Regents**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF) ANNUAL REPORT**

**For the Fiscal Year Ended June 30, 2003**

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# TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF) ANNUAL REPORT

For the fiscal year ended June 30, 2003

## EXECUTIVE SUMMARY

- ▶ Education 2000 (Proposition 301), passed by Arizona voters in November 2000, approved a six-tenths-cent increase in the state sales tax to be dedicated to K-12, the community colleges, and the state's three public universities. Collection of the tax began on June 1, 2001.
- ▶ A.R.S. §15-1648 establishes the Technology and Research Initiative Fund (TRIF) to receive Proposition 301 revenues and gives the Arizona Board of Regents the authority to administer the fund.
- ▶ In March 2001 the Arizona Board of Regents approved a five-year TRIF budget plan for FY 2002-2006 and guidelines for implementation of the budget. The Board annually approves a revised budget and detailed performance measures for each initiative.
- ▶ A.R.S. §15-1648(D) requires the Board to submit to the Governor and the Legislature by September 1 of each year a report to include "a description of the amount and duration of each new award distributed and a description of the purpose and goals for each award. For existing awards, the Arizona Board of Regents shall use a detailed set of performance measures to determine the overall effectiveness of each award."
- ▶ All TRIF-funded initiatives during FY 2003 were "existing awards," i.e., they were continuing projects contained in the five-year (FY 2002-2006) budget plan approved by the Regents in March 2001. Detailed business plans for each initiative have been developed by the universities and are available on the Arizona Board of Regents website at [http://www.abor.asu.edu/1\\_the\\_regents/TRIF/business\\_plans/businessplans\\_index.html](http://www.abor.asu.edu/1_the_regents/TRIF/business_plans/businessplans_index.html). This detail is not included in this report.
- ▶ The Regents Innovation Fund, by definition, consists of "new awards" each year. Accordingly, the ABOR Central Office section of this report includes a description of each initiative, its goals and objectives, as well as detailed performance measures.
- ▶ The lower range of the Board-approved FY 2003 budget was \$47,900,000. Total TRIF revenues received during FY 2003 were \$46,024,410, resulting in a revenue shortfall of \$1,875,590 (3.92%). **[Note:** For purposes of this annual report, revenues consist of actual receipts into TRIF for August 2002 through June 2003 plus an estimated amount for July 2003 revenue. An estimate was required to record the June 30, 2003, year-end revenue accrual and to prepare this report on a timely basis. Actual TRIF revenues for the 12-month period August 2002 through July 2003 were \$46,159,172, a shortfall of \$1,740,838 (3.63%) from the budgeted amount.]

- ▶ Total TRIF expenditures in FY 2003 were \$57,841,953, representing 81% of total revenue available (Including carryforward amounts from the prior year).
- ▶ Recognizing the volatility and unpredictability of the TRIF revenue stream, the universities and central office exercised sound budgetary and financial management in the expenditure of TRIF funds throughout FY 2003. This is the second year of the TRIF program, with most initiatives now approaching full implementation.
- ▶ TRIF budget guidelines call for full expenditure of FY 2003 funds by December 31, 2003. At that time, the universities and central office may request that any unexpended funds be reallocated for the same or different use.
- ▶ Expenditure detail by university and by initiative is presented in this report.
- ▶ Detailed performance measures for evaluating individual initiatives were approved by the Board, as required by statute. Performance measures and outcomes have been compiled by each university and the central office for each TRIF initiative and are included in this report. An evaluation system for compiling information on measures and outcomes across multiple initiatives is currently under development and will be included in future annual reports.
- ▶ This report reflects the statutorily required funding for costs of Certificates of Participation (COPs) issued for the lease-purchase of buildings and associated infrastructure at ASU East and ASU West.
- ▶ This report reflects compliance with the statutory 20% limitation on use of TRIF funds for capital projects expenditures. In FY 2003, 7.7% of TRIF budgeted expenditures were used for capital projects.

**ARIZONA UNIVERSITY SYSTEM  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
SYSTEM SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carryforward	\$ 25,421,811	\$ 25,454,516	\$ -	\$ 14,183,833	\$ -	\$ -
TRIF Revenue	47,900,000	46,032,571	50,325,000	49,825,000	52,329,100	55,423,200
<b>TOTAL REVENUE</b>	<b><u>\$ 73,321,811</u></b>	<b><u>\$ 71,487,087</u></b>	<b><u>\$ 50,325,000</u></b>	<b><u>\$ 64,008,833</u></b>	<b><u>\$ 52,329,100</u></b>	<b><u>\$ 55,423,200</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 25,447,275	\$ 18,258,351	\$ 22,246,451	\$ 26,027,811	\$ 20,792,671	\$ 20,433,901
ERE	4,648,737	2,998,643	4,346,364	5,184,072	4,280,724	4,287,719
All Other Operating	27,287,054	23,674,812	10,843,285	18,884,398	14,787,205	17,817,480
Grants/Projects	4,593,945	2,810,046	2,588,900	4,869,752	2,664,400	2,751,900
<b>TOTAL OPERATING BUDGET</b>	<b><u>61,977,011</u></b>	<b><u>47,741,853</u></b>	<b><u>40,025,000</u></b>	<b><u>54,966,033</u></b>	<b><u>42,525,000</u></b>	<b><u>45,291,000</u></b>
<b>CAPITAL BUDGET</b>						
Building Renovation	3,644,800	2,972,100	400,000	975,800	-	-
Debt Service	1,600,000	1,000,000	5,800,000	3,000,000	4,000,000	4,000,000
COPs Lease Purchase Payment	6,100,000	6,128,000	4,100,000	4,851,200	6,019,900	6,132,200
<b>TOTAL CAPITAL BUDGET</b>	<b><u>11,344,800</u></b>	<b><u>10,100,100</u></b>	<b><u>10,300,000</u></b>	<b><u>8,827,000</u></b>	<b><u>10,019,900</u></b>	<b><u>10,132,200</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 73,321,811</u></b>	<b><u>\$ 57,841,953</u></b>	<b><u>\$ 50,325,000</u></b>	<b><u>\$ 63,793,033</u></b>	<b><u>\$ 52,544,900</u></b>	<b><u>\$ 55,423,200</u></b>
<b>SUMMARY BY PROGRAM AREA</b>						
Biosciences/ Biotechnology		\$ 28,919,543		\$ 27,768,723	\$ 23,700,000	\$ 24,500,000
Access/ Workforce Development		5,251,405		8,361,869	3,800,000	3,800,000
Information Technology		5,808,983		8,310,881	6,350,000	6,700,000
Technology Transfer		577,644		814,033	800,000	800,000
ERDENE		1,502,885		1,764,067	2,060,000	2,360,000
Optics		6,014,645		4,809,615	4,200,000	4,200,000
Water		827,112		2,093,799	2,300,000	3,500,000
Learner Centered Education		575,165		824,272		
ARU		1,961,431		3,805,657	2,315,000	2,431,000
ASU East/ West COPs		6,128,000		3,356,200	3,779,900	3,782,200
Capital Projects (NAU)		132,946		1,565,454	2,240,000	2,350,000
Other		142,194		318,463	1,000,000	1,000,000
<b>EXPENDITURES GRAND TOTAL</b>		<b><u>\$ 57,841,953</u></b>		<b><u>\$ 63,793,033</u></b>	<b><u>\$ 52,544,900</u></b>	<b><u>\$ 55,423,200</u></b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

Note: FY 2004 and FY 2005 revenues differ from expenditures due to ASU East and West COPs payment schedule. Difference offsets by end of FY 2005.

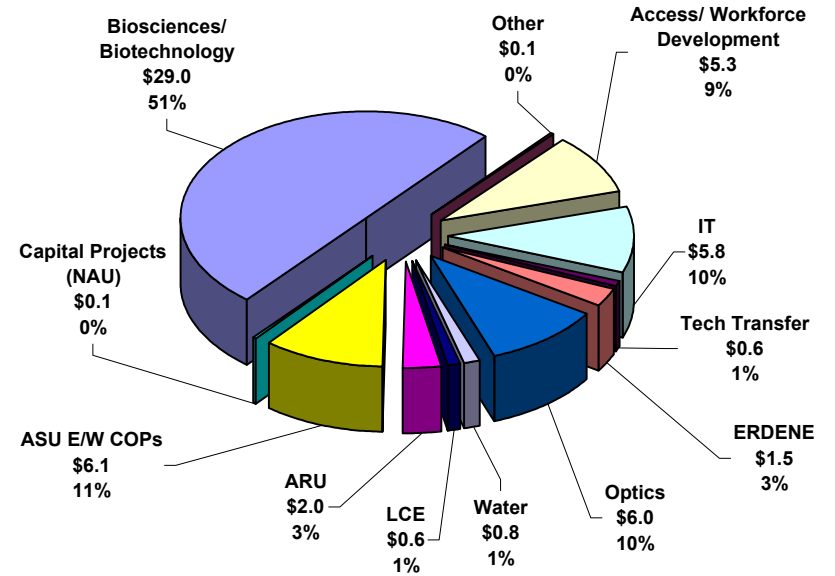
**ARIZONA UNIVERSITY SYSTEM  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 BUDGET / ACTUAL  
SYSTEM SUMMARY BY PROGRAM AREA**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>
<b>GRAND SYSTEM SUMMARY</b>		
ARIZONA STATE UNIVERSITY		
Az Biodesign Institute	\$ 25,892,000	\$ 20,673,100
ASU East COPs	3,400,000	3,434,400
ASU West COPs	2,700,000	2,693,600
<b>Subtotal</b>	<b>31,992,000</b>	<b>26,801,100</b>
NORTHERN ARIZONA UNIVERSITY		
Access and Workforce Development	5,177,259	2,925,173
Biosciences/Biotechnology	1,535,482	976,078
E-Learning	1,887,315	1,199,058
ERDENE (Environmental)	1,798,942	1,502,885
Capital	819,322	132,946
<b>Subtotal</b>	<b>11,218,320</b>	<b>6,736,140</b>
UNIVERSITY OF ARIZONA		
Access and Workforce Development	2,846,125	2,326,232
Biosciences/Biotechnology	7,761,724	7,199,779
Technology Transfer	717,080	577,644
Optical Sciences	6,535,952	6,014,645
Internet Technology & Commerce	5,982,413	4,286,510
Water, Economic Development and Sustainability	942,080	827,112
<b>Subtotal</b>	<b>24,785,374</b>	<b>21,231,922</b>
ABOR CENTRAL OFFICE		
Arizona Regents University	3,650,118	1,961,431
Regents Innovation Fund	1,675,999	1,111,360
<b>Subtotal</b>	<b>5,326,117</b>	<b>3,072,791</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 73,321,811</b>	<b>\$ 57,841,953</b>

**SUMMARY**

Biosciences/ Biotechnology	\$ 28,919,543
Access/ Workforce Development	5,251,405
Information Technology	5,808,983
Technology Transfer	577,644
ERDENE	1,502,885
Optics	6,014,645
Water	827,112
Learner Centered Education	575,165
ARU	1,961,431
ASU East/West COPs	6,128,000
Capital Projects (NAU)	132,946
Other	142,194
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 57,841,953</b>

**FY 2003 SYSTEM ACTUAL TRIF EXPENDITURES  
(in millions)**





**ARIZONA UNIVERSITY SYSTEM**  
**FY 2003-2006 BUDGET/ACTUAL TRIF CAPITAL EXPENDITURES**  
(In Thousands)

		2003 Revised	2003 Actual Exp	2004 Revised	2005 Revised	2006 Revised
	• R&D: <i>Az Biodesign Institute</i>	\$3,485	\$2,812	\$976	\$1,000	\$1,000
	• ASU East/West COPs*	n/a	n/a	n/a	n/a	n/a
	<b>Total Capital</b>	<b>\$3,485</b>	<b>\$2,812</b>	<b>\$976</b>	<b>\$1,000</b>	<b>\$1,000</b>
	<b>Capital as % of Total ASU Budget</b>	<b>13.5%</b>	<b>13.6%</b>	<b>4.6%</b>	<b>5.9%</b>	<b>5.5%</b>
NAU	• Access/Workforce	\$0	\$0	\$0	\$0	\$0
	• R&D:	\$600	\$0	\$1,495	\$2,240	\$2,350
	<i>Biotechnology</i>	\$0	\$0	\$0	\$0	\$0
	<i>Information Technology/E-Learning</i>	\$0	\$0	\$0	\$0	\$0
	<i>Environmental (ERDENE)</i>	\$0	\$0	\$0	\$0	\$0
	<i>Capital Projects</i>	\$600	\$0	\$1,495	\$2,240	\$2,350
	<b>Total Capital</b>	<b>\$600</b>	<b>\$0</b>	<b>\$1,495</b>	<b>\$2,240</b>	<b>\$2,350</b>
	<b>Capital as % of Total NAU Budget</b>	<b>5.3%</b>	<b>0.0%</b>	<b>11.4%</b>	<b>24.0%</b>	<b>24.0%</b>
UA	• Access/Workforce	\$0	\$0	\$0	\$0	\$0
	• Technology Transfer	\$0	\$0	\$0	\$0	\$0
	• R&D:	\$1,160	\$1,160	\$3,000	\$3,000	\$3,000
	<i>Biotechnology</i>	\$160	\$160	\$2,000	\$2,000	\$2,000
	<i>Info/Internet Technology &amp; Commerce</i>	\$0	\$0	\$0	\$0	\$0
	<i>Optics</i>	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
	<i>Water</i>	\$0	\$0	\$0	\$0	\$0
	<b>Total Capital</b>	<b>\$1,160</b>	<b>\$1,160</b>	<b>\$3,000</b>	<b>\$3,000</b>	<b>\$3,000</b>
<b>Capital as % of Total UA Budget</b>	<b>4.7%</b>	<b>5.5%</b>	<b>14.3%</b>	<b>15.6%</b>	<b>14.9%</b>	
ABOR	• ARU	\$0	\$0	\$0	\$0	\$0
	• Regents Innovation Fund	\$0	\$0	\$0	\$0	\$0
	<b>Total Capital</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>Capital as % of Total ABOR Budget</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
SYSTEM	• Access/Workforce	\$0	\$0	\$0	\$0	\$0
	• Technology Transfer	\$0	\$0	\$0	\$0	\$0
	• R&D:	\$5,245	\$3,972	\$5,471	\$6,240	\$6,350
	<i>Biotechnology</i>	\$3,645	\$2,972	\$2,976	\$3,000	\$3,000
	<i>Information Technology</i>	\$0	\$0	\$0	\$0	\$0
	<i>Environmental (ERDENE)</i>	\$0	\$0	\$0	\$0	\$0
	<i>Optics</i>	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
	<i>Water</i>	\$0	\$0	\$0	\$0	\$0
<i>Capital Projects</i>	\$600	\$0	\$1,495	\$2,240	\$2,350	
<b>Total System Capital</b>	<b>\$5,245</b>	<b>\$3,972</b>	<b>\$5,471</b>	<b>\$6,240</b>	<b>\$6,350</b>	
<b>20% Limit on Capital</b>	<b>\$13,440</b>	<b>\$10,340</b>	<b>\$12,080</b>	<b>\$9,740</b>	<b>\$10,320</b>	
<b>Capital as % of Total System Budget</b>	<b>7.8%</b>	<b>7.7%</b>	<b>9.1%</b>	<b>12.8%</b>	<b>12.3%</b>	

\* Not applicable. TRIF allocations for ASU East and ASU West debt service are allocated by statute. Therefore, these amounts are excluded from calculation of the 20% capital limitation.

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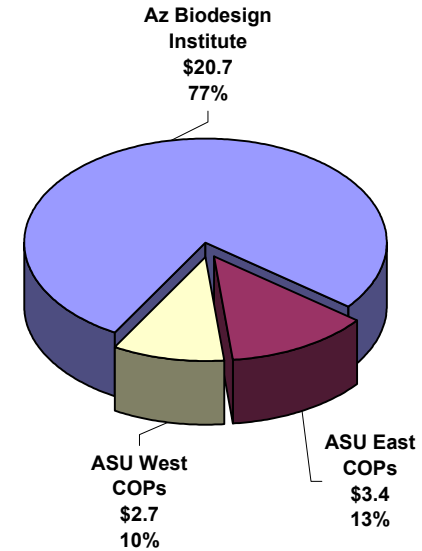
**ARIZONA STATE UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carryforward	\$ 12,892,000	\$ 12,892,000	\$ -	\$ 5,080,200	\$ -	\$ -
TRIF Revenue	19,100,000	18,450,600	20,000,000	19,500,000	20,464,100	21,982,200
<b>TOTAL REVENUE</b>	<b>\$ 31,992,000</b>	<b>\$ 31,342,600</b>	<b>\$ 20,000,000</b>	<b>\$ 24,580,200</b>	<b>\$ 20,464,100</b>	<b>\$ 21,982,200</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 6,698,400	\$ 5,907,800	\$ 8,821,400	\$ 9,028,500	\$ 6,649,800	\$ 5,435,400
ERE	1,229,300	938,900	1,631,900	1,689,800	1,337,800	1,108,600
All Other Operating	14,479,500	11,014,300	4,046,700	9,314,100	7,912,400	10,656,000
<b>TOTAL OPERATING BUDGET</b>	<b>22,407,200</b>	<b>17,861,000</b>	<b>14,500,000</b>	<b>20,032,400</b>	<b>15,900,000</b>	<b>17,200,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	3,484,800	2,812,100	400,000	975,800	-	-
Debt Service	-	-	1,000,000	-	1,000,000	1,000,000
COPs Lease Purchase Payment	6,100,000	6,128,000	4,100,000	3,356,200	3,779,900	3,782,200
<b>TOTAL CAPITAL BUDGET</b>	<b>9,584,800</b>	<b>8,940,100</b>	<b>5,500,000</b>	<b>4,332,000</b>	<b>4,779,900</b>	<b>4,782,200</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 31,992,000</b>	<b>\$ 26,801,100</b>	<b>\$ 20,000,000</b>	<b>\$ 24,364,400</b>	<b>\$ 20,679,900</b>	<b>\$ 21,982,200</b>
Note: FY 2003 expenditures include encumbrances at 6/30/03.						
<b>SUMMARY:</b>						
<b>ARIZONA STATE UNIVERSITY MAIN</b>	\$ 25,892,000	\$ 20,673,100	\$ 15,900,000	\$ 21,008,200	\$ 16,900,000	\$ 18,200,000
<b>ARIZONA STATE UNIVERSITY EAST</b>	3,400,000	3,434,400	2,300,000	1,869,900	2,116,100	2,116,600
<b>ARIZONA STATE UNIVERSITY WEST</b>	2,700,000	2,693,600	1,800,000	1,486,300	1,663,800	1,665,600
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 31,992,000</b>	<b>\$ 26,801,100</b>	<b>\$ 20,000,000</b>	<b>\$ 24,364,400</b>	<b>\$ 20,679,900</b>	<b>\$ 21,982,200</b>

**ARIZONA STATE UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 BUDGET / ACTUAL  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>
<b>REVENUE</b>		
Carryforward	\$ 12,892,000	\$ 12,892,000
TRIF Revenue	19,100,000	18,450,600
<b>TOTAL REVENUE</b>	<b><u>\$ 31,992,000</u></b>	<b><u>\$ 31,342,600</u></b>
<b>EXPENDITURES</b>		
<b>OPERATING BUDGET</b>		
Personal Services	\$ 6,698,400	\$ 5,907,800
ERE	1,229,300	938,900
All Other Operating	14,479,500	11,014,300
<b>TOTAL OPERATING BUDGET</b>	<b><u>22,407,200</u></b>	<b><u>17,861,000</u></b>
<b>CAPITAL BUDGET</b>		
Building Renovation	3,484,800	2,812,100
Debt Service	-	-
COPs Lease Purchase Payment	6,100,000	6,128,000
<b>TOTAL CAPITAL BUDGET</b>	<b><u>9,584,800</u></b>	<b><u>8,940,100</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 31,992,000</u></b>	<b><u>\$ 26,801,100</u></b>
Note: FY 2003 expenditures include encumbrances at 6/30/03.	\$ -	
<b>SUMMARY BY INITIATIVE</b>		
Az Biodesign Institute	\$ 25,892,000	\$ 20,673,100
Campus Capital Infrastructure Development (ASU East)	3,400,000	3,434,400
CLCC II Building and Central Plant Expansion (ASU West)	2,700,000	2,693,600
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 31,992,000</u></b>	<b><u>\$ 26,801,100</u></b>

**FY 2003 ASU ACTUAL TRIF EXPENDITURES  
(in millions)**



**ARIZONA STATE UNIVERSITY MAIN  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
AZ BIODESIGN INSTITUTE AND CAPACITY BUILDING PROJECT INVESTMENTS**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carryforward - AZ Biodesign Institute	\$ -	\$ -	\$ -	\$ 2,632,700	\$ -	\$ -
Carryforward - Capacity Building Project Investments	10,392,000	10,392,000	-	2,475,500	-	-
TRIF Revenue - AZ Biodesign Institute	11,481,800	11,135,400	-	9,584,900	11,429,200	13,667,600
TRIF Revenue - Capacity Building Project Investments	4,018,200	3,715,200	15,900,000	6,315,100	5,470,800	4,532,400
<b>TOTAL REVENUE</b>	<b>\$ 25,892,000</b>	<b>\$ 25,242,600</b>	<b>\$ 15,900,000</b>	<b>\$ 21,008,200</b>	<b>\$ 16,900,000</b>	<b>\$ 18,200,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 6,698,400	\$ 5,907,800	\$ 8,821,400	\$ 9,028,500	\$ 6,649,800	\$ 5,435,400
ERE	1,229,300	938,900	1,631,900	1,689,800	1,337,800	1,108,600
All Other Operating	14,479,500	11,014,300	4,046,700	9,314,100	7,912,400	10,656,000
<b>TOTAL OPERATING BUDGET</b>	<b>22,407,200</b>	<b>17,861,000</b>	<b>14,500,000</b>	<b>20,032,400</b>	<b>15,900,000</b>	<b>17,200,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	3,484,800	2,812,100	400,000	975,800	-	-
Debt Service	-	-	1,000,000	-	1,000,000	1,000,000
COPs Lease Purchase Payment	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>3,484,800</b>	<b>2,812,100</b>	<b>1,400,000</b>	<b>975,800</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 25,892,000</b>	<b>\$ 20,673,100</b>	<b>\$ 15,900,000</b>	<b>\$ 21,008,200</b>	<b>\$ 16,900,000</b>	<b>\$ 18,200,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

**INITIATIVE OVERVIEW**

ASU dramatically reshaped its TRIF funding portfolio this year by creating the AZ Biodesign Institute (AzBio) to bring greater focus, integration, and impact to our investments. Research within AzBio is strategically positioned at the confluence of three of today's most rapidly advancing technology streams: biotechnology, nanotechnology, and information technology. AzBio's research agenda will emphasize the application of discoveries for commercial uses and societal benefits, translating new insights into innovations to improve human health and quality of life. The Institute will provide a primary vehicle for strengthening regional research capacity, capabilities, and facilities, increasing the total external funding for bioscience/biotech/biomedical research coming to Arizona. It will also accelerate the rate of skilled workforce development, regional economic development, and technology transfer opportunities. The vision for AzBio is to establish a benchmark for excellence in use-inspired, collaborative research, focused on the understanding of biological systems. The Institute provides the catalyst for discovery and innovation in a physical and intellectual environment that promotes communication, collaboration, and integration of resources. AzBio will provide a hub for biotechnical and biodesign research in central Arizona, building collaboration networks among scientists and clinical researchers from leading industries and institutions. It will integrate the research of multiple disciplines to design the new biodevices, biointerfaces, biomechanical systems, and bioinformatics networks required to solve emerging health care and societal needs. AzBio will strengthen the connections between ASU's efforts in the basic biosciences and health sciences and its historically strong programs in the physical sciences, computing sciences, microelectronics, materials characterization, and materials engineering.

The Institute is organized into a number of networked research and design centers that link collaborators within ASU and affiliated institutions. Each center has developed a set of goals and strategic plans to support the overarching goals of the Institute. The creation of new centers in the future will provide additional opportunities for growth. The eight charter centers are:

- Infectious Diseases and Vaccines (IDV) -- research focuses on selective pathogens, identifying vaccine antigens and using transgenic plants as low-cost, efficient production systems for orally active antigens.
- Protein and Peptide Pharmaceuticals (CP3) -- research focuses on working to identify, characterize, and optimize biologically active protein analogs as pharmaceuticals.
- Bio-Optical Nanotechnologies (BON) -- research focuses on working to integrate biomolecular sciences with materials engineering and solid-state electronics to develop the next generation of biosensors, implants, pharmaceuticals, biomaterials, and nanoscale power sources.
- Single Molecule Biophysics (SMB) -- research focuses on examining the physical processes on which life is based using the simplest model systems at the molecular level to develop new health care tools.

**ARIZONA STATE UNIVERSITY MAIN  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
AZ BIODESIGN INSTITUTE AND CAPACITY BUILDING PROJECT INVESTMENTS**

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**INITIATIVE OVERVIEW (continued)**

- Applied NanoBioscience (ANBC) -- research focuses on applying advances in nanoscience, molecular biology, and genomics to a new generation of biological tools to understand disease at the molecular level.
- Neural Interface and Brain Control (NIBC) -- research focuses on developing novel approaches to evaluate and rehabilitate motor function disorders due to central nervous system disease or injury through neural interface and brain control technologies.
- Rehabilitation Neuroscience & Rehabilitation Engineering (RNRE) -- research focuses on designing and developing technologies to counteract the effects of neurological disorders, enhancing therapeutics and devices for improved health, fitness, and assistance with daily activities.
- Evolutionary Functional Genomics (EFG) -- research focuses on examining how genes, gene families, and genomes of model organisms change over time and elucidate the gene interaction networks responsible for development of a single fertilized egg cell in a complex adult animal.

AzBio serves as ASU's formal link to the rapidly expanding Translational Genomics Research Institute (TGen). We are providing the computational capability for TGen through acquisition and operation of a new IBM Supercomputer recently installed on the Main campus. We will have a large number of affiliated faculty and four to five with formal joint appointments. We anticipate that collaborative research with this strategic partner will ultimately be on a large scale and will have high impact.

We have likewise recrafted our additional Capacity Building Project Investments in Information Science, Advanced Materials for the New Economy, and Manufacturing (previously referred to as Ancillary Project Investments) to provide better focus, interdisciplinary integration, and impact. We have strengthened the Information Science (IT) TRIF-funded portfolio through creation of the Institute for Computer Information Science and Engineering (InCISE). InCISE (ABOR approval pending) provides core fundamental research capability and supporting infrastructure in the Information Sciences and Technologies. It will serve as the focal point for interdisciplinary collaboration and entrepreneurial activity targeted at frontier challenges in the IT field and beyond. Current TRIF-funded core research in application domains ranges from Security and Information Integration and Assurance, to Networked Embedded Systems, and Cognitive Ubiquitous Computing for enhancing human performance. This new initiative links and facilitates the missions of the following affiliated research centers and consortia:

- The Center for Research in Arts, Media and Engineering (AME) -- provides an exemplar of intellectual fusion that integrates principles and methods of communication and multimedia with artistic ideas and artful expression to enable new paradigms of human experience.
- The Center for Advancing Business through Information Technology (CABIT) -- provides leadership research and education partnerships with industry in the emerging E economy business management arena.
- The Consortium for Embedded and Internetworking Technologies (CEINT) -- represents our exemplar partnership with industry, substantially expanding our capacity through an integrated program of short and long-term research, curriculum development and delivery, for-credit internships and scholarships, and local, regional and national marketing.
- The ASU Software Factory -- simultaneously provides a unique, hands-on learning experience in software engineering for student interns, and software development services to a host of projects across campus, including several in AzBio.

We have integrated most of our original Advanced Materials for the New Economy (now referred to as Nanotechnology) investments into AzBio. The continued supporting investments build on our strength in nanoelectronics and emerging strengths in nanoscience and technology. Current directions focus on integrated micro/nanosystems for high value added applications in sensing and communications technologies. In the sensing arena we have recently broken through with a major new award from DARPA on Nanojunction Array Molecular Sensing in collaboration with Sandia National Laboratories (SNL) and Motorola. To align with a state and national Telecom industry that is converging toward ubiquitous distributed wireless access, ASU is creating the Wireless Nano Technologies Center (WINTeCH), with operations set to begin in FY 2004 (pending ABOR approval). This new initiative is situated squarely at the convergence of IT and Nanotechnology. Wireless nanotechnology will enable many new technological breakthroughs ranging from medical nanosensors, implanted wireless biomonitoring, and distributed wireless security monitoring, to environmental monitoring, biochemical detection, and other civilian and defense applications. The Center will provide a comprehensive collaborative research environment for ASU researchers and industry partners to identify and develop new technologies that enable fully autonomous nano-integrated circuit communication devices. WINTeCH will work closely with Connection ONE, the new National Science Foundation Industry/University Cooperative Research Center (NSF I/UCRC) at ASU, which now has twelve member companies and two academic partners (University of Arizona and Hawaii). Connection ONE provides core capability and funding that complements WINTeCH by focusing on shorter term research projects that meet industry needs.

**ARIZONA STATE UNIVERSITY MAIN  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
AZ BIODESIGN INSTITUTE AND CAPACITY BUILDING PROJECT INVESTMENTS**

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**FY 2003 RESULTS AND ACCOMPLISHMENTS**

*AzBiodesign Institute*

- Implemented a major reorganization, chartering, and appointing directors for eight research and design centers. Each center developed a business plan for growth in research, staffing, and collaboration networks. More than 70 ASU researchers are directly involved with these centers.
- Hired Dr. George Poste in May 2003 as the new director to lead AzBio. Dr. Poste is a nationally recognized research and development manager from the pharmaceutical industry as well as a national policy leader.
- Successfully recruited 5 new senior tenured faculty (4 with TRIF funding), 22 research faculty, 4 visiting scientists, and 24 post-doctoral research associates.
- Completed the programming and design for the \$69 Million Phase 1 AzBio Building (4 floors, 170,000 sq. ft.). Construction began in February 2003, and the building is on schedule for occupancy in October 2004. The University held a groundbreaking public relations event in April 2003. With Legislative approval for the capital expenditure, preliminary programming for Phase II construction will lead to the completion and occupancy of a second building of similar size in the Fall of 2005.
- Coordinated an aggressive effort for submitting new large-scale research grant proposals. Pending research proposals submitted by the AzBio Center directors total more than \$115 Million.
- Increased annualized federal research funding in the Biosciences and Health Sciences at ASU to \$28.1 Million, an annual increase of \$3.1 Million (12%). However, this growth is below the 20% increase we established as a target. Industrial contracts and donations are also less than target. We can attribute this underperformance to the transitional nature of the first year of AzBio operations, with major efforts being dedicated to the generation of new proposals (as discussed in the previous bullet) and the continuing recessionary economy. With regard to new federal awards, note that the reported numbers are the annualized value of awards, i.e., the value of the award in FY 2003 only. The total value of new awards in FY 2003 in the Biosciences was \$14.7 Million.
- Successfully competed for a large FBI Technology Development contract based on the development of a gene-based forensics product platform to be prototyped within the next three years. The FBI is looking toward mass production of this technology for adoption at all FBI reference labs, with subsequent implementation at all jail facilities and crime scenes.
- Continued to develop the potential for the Carl Hayden VA Medical Center to lease space in the new AzBio building complex. The Medical Center is pursuing an appropriation for capital funding of space in Phase II.
- Made major improvements in instrumentation and equipment. In collaboration with TGen, ASU completed the purchase of high performance supercomputing capabilities tied to a substantial donation from IBM. This system provides for a much enhanced capability for bioinformatics and imaging research as part of an agreement for support of TGen as they begin operations in Arizona. In addition, AzBio established a core genomic sequencing lab and received a mobile patient evaluation lab through a donation to the University.
- Created a new biotechnology startup company, Arizona Engineered Therapeutics, INC (AzERx), to commercialize protein-based pharmaceuticals initially targeting the vascular surgery market.

*Capacity Building Project Investments*

- Successfully competed for federal funding to win a new NSF Nanotechnology Interdisciplinary Research Team award, which resulted in attracting IBM as a partner.
- Successfully competed for federal funding to win a new DARPA award in Nanojunction Array Molecular Sensing, with creation of a new partnership with SNL and Motorola.
- Successfully competed for federal funding to win awards for the acquisition of a Dual Focused Ion Beam (FIB), and Wafer Alignment and Bonding tools for nanomanufacturing.
- Received \$1 Million per year in new industry funding commitments to CEINT for the next two years.
- Connection ONE, NSF I/UCRC membership increased to twelve companies providing \$1.5 Million per year in new industry funding.
- The Software Factory delivered six new, professional-quality software products in support of ASU research, innovation, and education projects.
- Built working prototype for a facial recognition system and test bed for Security and Cognitive Ubiquitous Computing applications (patent submitted).
- Built two working prototypes (hardware/software) for Blind/Deaf student learning: tabletop book reader and ubiquitous learning environment.
- Developed a common ground research agenda for the AME computer mediation experiences across twelve participating disciplines.
- Completed and delivered core Embedded Systems curriculum (four courses).
- Developed and introduced new undergraduate curriculum in mixed signal design and wireless systems.
- Newly incorporated ASU spin-off company, Crawdad Technologies, released its first product, Crawdad Text Analysis System 1.0.
- Acquired and installed substantial new state-of-the-art characterization instrumentation and micro/nano fabrication equipment. The equipment is now operational and includes an Electron Beam Lithography (EBL) tool, high density plasma etchers (two -- one for silicon and one for Group III-nitrides), a laser direct-write mask maker, and an environmental scanning/transmission electron microscope.

*Technology Transfer*

- Recruited new Technology Transfer leadership. AZTE created and is now fully operational.
- IP Licensing: nine new licenses and six license amendments.
- Master Connection ONE consortium/partnership agreement with licensing options.
- Five research agreements or amendments with partners.
- Inner-institutional agreements -- two new agreements with three universities.

Note: Narrative detail is provided for this initiative because although the total budgeted amount for ASU has not changed, several initiatives have been collapsed into one, the AZ Biodesign Institute and Capacity Building Project Investments.

**ARIZONA STATE UNIVERSITY MAIN  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
AZ BIODESIGN INSTITUTE AND CAPACITY BUILDING PROJECT INVESTMENTS**

PERFORMANCE MEASURES/DELIVERABLES	FY 2002	FY 2003	FY 2003	FY 2004	FY 2004	FY 2005	FY 2006
	ACTUAL	PROJECTED	ACTUAL	PROJECTED	REVISED	REVISED	REVISED
<b>Return on Investment</b>							
1. External funding: new federal awards	\$10.86 M	\$8.50 M	\$7.34 M	\$11.00 M	\$11.00 M	\$14.00 M	\$17.00 M
2. External funding: new industrial contracts and donations	\$1.06 M	\$3.20 M	\$1.29 M	\$3.40 M	\$2.50 M	\$3.00 M	\$3.50 M
3. Value of new startups to ASU (R&D \$'s)	\$51 K	\$120 K	\$92 K	\$240 K	\$240 K	\$360 K	\$540 K
4. New products in marketplace	5	3	3	4	4	5	6
5. Value of new products to ASU	\$421 K	\$420 K	\$400 K	\$780 K	\$500 K	\$750 K	\$1.00 M
<b>Work Force/Access Contributions</b>							
1. Increase in number of teachers who graduate with math/science certification	9	10	0	15	15	25	25
2. New post-doctoral students in pipeline	5	5	48	5	10	10	10
3. New post-doctoral students entering workforce	0	0	19	3	8	10	10
4. New graduate students in pipeline	29	45	120	50	50	55	55
5. Graduate students earning degrees and entering workforce	0	0	33	20	20	25	30
6. Undergraduate students with research experience	39	50	84	52	60	65	65
7. Growth in CS/CSE Graduates	-21	40	10	60	60	60	60
<b>Curriculum Innovations</b>							
1. Tier 1 Introduction to Information Technology for all students	Completed						
2. Tier 2 package of 3 courses	Partially						
3. Tier 3 concentration for BIS degree		X	Partially				
4. BS Applied Computing (ASU West)	Approved	X					X
5. High school students completing software design material	88	30	227	50	75	75	75
6. Internships (industry or Software Factory)	32	40	88	50	90	95	100
7. New courses introduced (Bio, Info, Nano)	4	6	6	4	4	4	4
<b>Technology Transfer</b>							
1. New software packages distributed	0	2	6	2	8	10	12
2. Form industry-university nationwide research consortium		X	In Progress		X		
3. Create research road map in collaboration with industry	In Progress	Complete	Completed				
4. Invention disclosures	97	27	91	36	109	130	130
5. Patent applications	108	8	106	12	117	70	70
6. Patents	11	2	17	3	20	10	10
7. Startup companies	3	1	3	2	3	5	5
8. Fund proof of concept grants to faculty	6	5	6	5	6	8	8
9. Business plans written	2	3	6	4	3	5	5
10. Technology transfer portal inquiries from industry	1	10	13	15	15	20	20
11. Licenses/options signed (technologies adopted by industry)	9	3	20	4	24	30	30
<b>Partnerships</b>							
1. New research collaborations with industry and national laboratories	9	7	13	8	10	14	16
<b>Economic Development</b>							
1. Companies identifying ASU as a factor for relocating or expanding in AZ	2 large	1 large 3 small	0 large 2 small	1 large 4 small	1 large 2 small	1 large 3 small	1 large 4 small



**ARIZONA STATE UNIVERSITY EAST  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET  
CAMPUS CAPITAL INFRASTRUCTURE DEVELOPMENT**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carryforward	\$ 1,400,000	\$ 1,400,000	\$ -	\$ (34,400)	\$ -	\$ -
TRIF Revenue	2,000,000	2,000,000	2,300,000	2,000,000	2,020,400	2,116,600
<b>TOTAL REVENUE</b>	<b><u>\$ 3,400,000</u></b>	<b><u>\$ 3,400,000</u></b>	<b><u>\$ 2,300,000</u></b>	<b><u>\$ 1,965,600</u></b>	<b><u>\$ 2,020,400</u></b>	<b><u>\$ 2,116,600</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services						
ERE						
All Other Operating						
<b>TOTAL OPERATING BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>CAPITAL BUDGET</b>						
Building Renovation						
Debt Service						
COPs Lease Purchase Payment	3,400,000	3,434,400	2,300,000	1,869,900	2,116,100	2,116,600
<b>TOTAL CAPITAL BUDGET</b>	<b><u>3,400,000</u></b>	<b><u>3,434,400</u></b>	<b><u>2,300,000</u></b>	<b><u>1,869,900</u></b>	<b><u>2,116,100</u></b>	<b><u>2,116,600</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 3,400,000</u></b>	<b><u>\$ 3,434,400</u></b>	<b><u>\$ 2,300,000</u></b>	<b><u>\$ 1,869,900</u></b>	<b><u>\$ 2,116,100</u></b>	<b><u>\$ 2,116,600</u></b>

The ASU East Proposition 301 initiative funds \$27.5 million of Certificates of Participation (COPs) for infrastructure development, including multiple building renovations, campus infrastructure improvements, and a new campus student union. The building renovations will prepare academic space, including classrooms, faculty and staff offices, and student support services to meet anticipated growth. The infrastructure improvements continue the transition of the former Williams Air Force Base to an attractive university campus. The major projects include campus street and roadway improvements, new campus malls, lighting and emergency telephones, and campus landscape improvements.

The COPs were issued in June 2002 with the first payment in December 2002. The combined FY 2002 carryforward and FY 2003 TRIF allocation funded the FY 2003 debt service. Approximately \$12.3 million of the building renovation and campus infrastructure projects are complete, including the Administration Building and the Simulator Building renovations, as well as the North and South Pedestrian Malls. The scheduled completion date for construction on the new Union Building and the Agribusiness Center renovation projects is July 2004. We will complete construction on the Wanner Hall and Sutton Hall renovations in August 2003. Due to the revised scope of construction for a number of the building renovation projects, COPs are not funding the Flightline Facility. ASUE will complete all TRIF-funded capital improvement projects by June 2005. The FY 2004 ASU East COP appropriation is approximately \$130,000 greater than the FY 2004 COP payment. We have reduced the FY 2005 request to reflect the use of the carryforward amount.

**ARIZONA STATE UNIVERSITY WEST**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL / FY 2004 - FY 2006 BUDGET**  
**CLASSROOM LABORATORY / COMPUTER CLASSROOM II BUILDING & CENTRAL PLANT EXPANSION**

	<i>FY 2003</i> <i>REV BUDGET</i>	<i>FY 2003</i> <i>ACTUAL</i>	<i>FY 2004</i> <i>ORIG BUDGET</i>	<i>FY 2004</i> <i>REV BUDGET</i>	<i>FY 2005</i> <i>REV BUDGET</i>	<i>FY 2006</i> <i>REV BUDGET</i>
<b>REVENUE</b>						
Carryforward	\$ 1,100,000	\$ 1,100,000	\$ -	\$ 6,400	\$ -	\$ -
TRIF Revenue	1,600,000	1,600,000	1,800,000	1,600,000	1,543,700	1,665,600
<b>TOTAL REVENUE</b>	<b><u>\$ 2,700,000</u></b>	<b><u>\$ 2,700,000</u></b>	<b><u>\$ 1,800,000</u></b>	<b><u>\$ 1,606,400</u></b>	<b><u>\$ 1,543,700</u></b>	<b><u>\$ 1,665,600</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services						
ERE						
All Other Operating						
<b>TOTAL OPERATING BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>CAPITAL BUDGET</b>						
Building Renovation						
Debt Service						
COPs Lease Purchase Payment	2,700,000	2,693,600	1,800,000	1,486,300	1,663,800	1,665,600
<b>TOTAL CAPITAL BUDGET</b>	<b><u>\$ 2,700,000</u></b>	<b><u>\$ 2,693,600</u></b>	<b><u>\$ 1,800,000</u></b>	<b><u>\$ 1,486,300</u></b>	<b><u>\$ 1,663,800</u></b>	<b><u>\$ 1,665,600</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 2,700,000</u></b>	<b><u>\$ 2,693,600</u></b>	<b><u>\$ 1,800,000</u></b>	<b><u>\$ 1,486,300</u></b>	<b><u>\$ 1,663,800</u></b>	<b><u>\$ 1,665,600</u></b>

The ASU West Proposition 301 initiative funds \$21.6 million of Certificates of Participation (COPs) for two projects, a 104,400 gross square foot (GSF) Laboratory/Computer Classroom Building (CLCC II) and a Central Plant expansion.

The CLCC II building includes approximately 42,000 net assignable square footage (NASF) of instructional space with a 150-seat lecture hall, two 80-seat classrooms, ten 60-seat classrooms, two 40-seat computer classrooms, five science labs, and one computer lab.

The Central Plant expansion will add 4,800 GSF for a new 1,000 ton chiller, a thermal storage tank, and utility line extensions required to service the CLCC II building.

The COPs were issued in June 2002 with the first payment in December 2002. The combined FY 2002 carryforward and FY 2003 TRIF allocation funded the FY 2003 debt service. Construction on the projects has begun with a scheduled completion date of December 2003.

The FY 2004 ASU West COP appropriation is approximately \$114,000 greater than the FY 2004 COP payment. We have reduced the FY 2005 request to reflect the use of the carryforward amount.

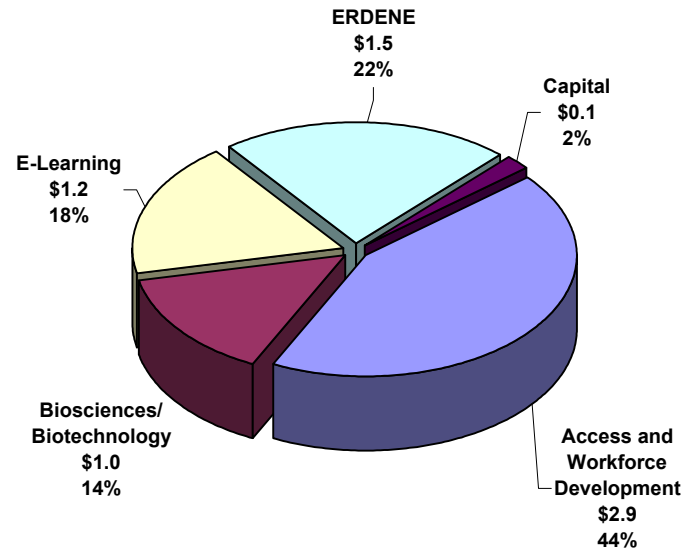
**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 2,718,320	\$ 2,751,025	\$ -	\$ 4,155,009	\$ -	\$ -
TRIF Revenue	8,500,000	8,140,124	8,920,000	8,920,000	9,350,000	9,810,000
<b>TOTAL REVENUE</b>	<b>\$ 11,218,320</b>	<b>\$ 10,891,149</b>	<b>\$ 8,920,000</b>	<b>\$ 13,075,009</b>	<b>\$ 9,350,000</b>	<b>\$ 9,810,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	6,583,771	4,254,890	4,596,679	5,535,992	4,469,063	4,623,866
ERE	1,316,859	868,287	981,872	1,261,004	949,814	982,001
All Other Operating	2,717,690	1,612,963	1,541,449	4,783,013	1,691,123	1,854,133
<b>TOTAL OPERATING BUDGET</b>	<b>10,618,320</b>	<b>6,736,140</b>	<b>7,120,000</b>	<b>11,580,009</b>	<b>7,110,000</b>	<b>7,460,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	600,000	-	1,800,000	-	-	-
COPs Lease Purchase Payment	-	-	-	1,495,000	2,240,000	2,350,000
<b>TOTAL CAPITAL BUDGET</b>	<b>600,000</b>	<b>-</b>	<b>1,800,000</b>	<b>1,495,000</b>	<b>2,240,000</b>	<b>2,350,000</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 11,218,320</b>	<b>\$ 6,736,140</b>	<b>\$ 8,920,000</b>	<b>\$ 13,075,009</b>	<b>\$ 9,350,000</b>	<b>\$ 9,810,000</b>
Note: FY 2003 expenditures include encumbrances at 6/30/03.						
<b>SUMMARY BY INITIATIVE</b>						
Access and Workforce Development	\$ 5,177,259	\$ 2,925,173	\$ 3,000,000	\$ 6,018,185	\$ 2,000,000	\$ 2,000,000
Biosciences/Biotechnology	1,535,482	976,078	800,000	1,310,270	800,000	800,000
E-Learning	1,887,315	1,199,058	1,780,000	2,417,033	2,250,000	2,300,000
ERDENE (Environmental)	1,798,942	1,502,885	1,540,000	1,764,067	2,060,000	2,360,000
Capital	819,322	132,946	1,800,000	1,565,454	2,240,000	2,350,000
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 11,218,320</b>	<b>\$ 6,736,140</b>	<b>\$ 8,920,000</b>	<b>\$ 13,075,009</b>	<b>\$ 9,350,000</b>	<b>\$ 9,810,000</b>

**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 BUDGET / ACTUAL  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>
<b>REVENUE</b>		
Carry Forward	\$ 2,718,320	\$ 2,751,025
TRIF Revenue	8,500,000	8,140,124
<b>TOTAL REVENUE</b>	<b><u>\$ 11,218,320</u></b>	<b><u>\$ 10,891,149</u></b>
<b>EXPENDITURES</b>		
<b>OPERATING BUDGET</b>		
Personal Services	\$ 6,583,771	\$ 4,254,890
ERE	1,316,859	868,287
All Other Operating	2,717,690	1,612,963
<b>TOTAL OPERATING BUDGET</b>	<b><u>10,618,320</u></b>	<b><u>6,736,140</u></b>
<b>CAPITAL BUDGET</b>		
Building Renovation	-	-
Debt Service	600,000	-
COPs Lease Purchase Payment	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b><u>600,000</u></b>	<b><u>-</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 11,218,320</u></b>	<b><u>\$ 6,736,140</u></b>
Note: FY 2003 expenditures include encumbrances at 6/30/03.		
<b>SUMMARY BY INITIATIVE</b>		
Access and Workforce Development	\$ 5,177,259	\$ 2,925,173
Biosciences/Biotechnology	1,535,482	976,078
E-Learning	1,887,315	1,199,058
ERDENE (Environmental)	1,798,942	1,502,885
Capital	819,322	132,946
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 11,218,320</u></b>	<b><u>\$ 6,736,140</u></b>

**FY 2003 NAU ACTUAL TRIF EXPENDITURES  
(in millions)**



**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
ACCESS/WORKFORCE DEVELOPMENT**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 1,297,259	\$ 1,328,477	\$ -	\$ 2,138,185	\$ -	\$ -
TRIF Revenue	3,880,000	3,734,881	3,000,000	3,880,000	2,000,000	2,000,000
<b>TOTAL REVENUE</b>	<b><u>\$ 5,177,259</u></b>	<b><u>\$ 5,063,358</u></b>	<b><u>\$ 3,000,000</u></b>	<b><u>\$ 6,018,185</u></b>	<b><u>\$ 2,000,000</u></b>	<b><u>\$ 2,000,000</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 3,204,509	\$ 1,884,275	\$ 1,900,000	\$ 2,462,280	\$ 1,254,000	\$ 1,254,000
ERE	689,000	424,987	379,170	622,152	260,252	260,252
All Other Operating	1,283,750	615,911	720,830	2,933,753	485,748	485,748
<b>TOTAL OPERATING BUDGET</b>	<b><u>5,177,259</u></b>	<b><u>2,925,173</u></b>	<b><u>3,000,000</u></b>	<b><u>6,018,185</u></b>	<b><u>2,000,000</u></b>	<b><u>2,000,000</u></b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
COPs Lease Purchase Payment	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 5,177,259</u></b>	<b><u>\$ 2,925,173</u></b>	<b><u>\$ 3,000,000</u></b>	<b><u>\$ 6,018,185</u></b>	<b><u>\$ 2,000,000</u></b>	<b><u>\$ 2,000,000</u></b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
ACCESS/WORKFORCE DEVELOPMENT**

		<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<b>PERFORMANCE MEASURES/DELIVERABLES</b>		<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>REVISED</b>	<b>REVISED</b>	<b>REVISED</b>
	<b>Leveraged Investment</b>							
1.	Grants/Contracts Proposed		\$100,000	\$3,951,834	\$150,000	\$250,000	\$250,000	\$250,000
	<b>Technology Transfer</b>							
2.	Courses/Modules Sold/Brokered	0	2	5	2	2	2	2
	<b>Economic Development</b>							
3.	Companies identifying NAU as reason for relocating or expanding in AZ		1	0	1	1	1	1
	<b>Work Force Contributions</b>							
4.	Potential New Students Served							
	-New Teachers	250	460	542	545	600	600	600
	-Nurses/Health Professionals	120	200	266	200	300	300	300
	-Engineers with Advanced Training	20		Reported in ARU TRIF	20	30	30	30
	-Business/Non-Profit Managers	44	50	182	60	200	200	200
	<b>Specific Curriculum Innovations</b>							
5.	Degree/Certificate Programs	11	12	19	15	20	20	20
6.	Statewide Access (Rural and Urban)	yes	yes	yes				
7.	Regional/National Global Access	yes	yes	yes				
8.	New/Revised Courses	75	80	72	100	80	80	80
	<b>Partnerships</b>							
9.	Community College Partners	14	15	16	15	16	16	16
10.	Tri-University (ASU, NAU, U of A)	3	3	3	3	3	3	3
11.	K-12 Partners (schools/districts)	30	30	51	30	60	60	60
12.	Industry or Agency Partnerships	2	4	21	5	25	25	25

**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
BIOSCIENCES/BIOTECHNOLOGY**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 365,482	\$ 365,885	\$ -	\$ 510,270	\$ -	\$ -
TRIF Revenue	1,170,000	1,120,463	800,000	800,000	800,000	800,000
<b>TOTAL REVENUE</b>	<b>\$ 1,535,482</b>	<b>\$ 1,486,348</b>	<b>\$ 800,000</b>	<b>\$ 1,310,270</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 554,000	\$ 315,286	\$ 300,000	\$ 320,000	\$ 89,000	\$ 93,000
ERE	147,500	62,275	88,850	65,000	17,000	18,000
All Other Operating	833,982	598,517	411,150	925,270	694,000	689,000
<b>TOTAL OPERATING BUDGET</b>	<b>1,535,482</b>	<b>976,078</b>	<b>800,000</b>	<b>1,310,270</b>	<b>800,000</b>	<b>800,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
COPs Lease Purchase Payment	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 1,535,482</b>	<b>\$ 976,078</b>	<b>\$ 800,000</b>	<b>\$ 1,310,270</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

<b>PERFORMANCE MEASURES/DELIVERABLES</b>	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>REVISED</i>	<i>REVISED</i>	<i>REVISED</i>
<b>Leveraged Investment</b>							
1. Increased External Funding	\$1,400,000	\$850,000	\$6,286,000	\$1,500,000	\$3,000,000	\$1,500,000	\$1,500,000
<b>Technology Transfer</b>							
2. Patents Applied For	1	2	2	1	2	1	1
3. Products Generated/Disclosed		1	5	1	3	1	1
4. Business Expansions	0	1		1		1	1
5. Industry Partnerships	0	2	2	2	2	2	3
6. Tech Transfer: startup companies created	0	1	2	0	2	0	0
<b>Economic Development</b>							
7. Incubation/Formation of Biotech Concerns in Flagstaff/Northern Arizona		1		1		1	1
<b>Work Force Contributions</b>							
8. Graduate/postdoc students in pipeline	60	60	62	65	60	70	75
9. Undergraduate students with research experience	80	80	79	90	75	100	110
10. M.S./PhD/Post-Doc Graduate Increases	11	4	12	4	10	4	5
<b>Specific Collaborations</b>							
11. New Research Collaborations	6	2	29	2	10	1	2

**NORTHERN ARIZONA UNIVERSITY**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**E-LEARNING**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 677,315	\$ 677,320	\$ -	\$ 637,033	\$ -	\$ -
TRIF Revenue	1,210,000	1,158,771	1,780,000	1,780,000	2,250,000	2,300,000
<b>TOTAL REVENUE</b>	<b><u>\$ 1,887,315</u></b>	<b><u>\$ 1,836,091</u></b>	<b><u>\$ 1,780,000</u></b>	<b><u>\$ 2,417,033</u></b>	<b><u>\$ 2,250,000</u></b>	<b><u>\$ 2,300,000</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 1,471,735	\$ 914,254	\$ 1,300,000	\$ 1,500,000	\$ 1,600,000	\$ 1,632,000
ERE	231,669	189,015	300,000	350,000	375,000	383,000
All Other Operating	183,911	95,789	180,000	567,033	275,000	285,000
<b>TOTAL OPERATING BUDGET</b>	<b><u>1,887,315</u></b>	<b><u>1,199,058</u></b>	<b><u>1,780,000</u></b>	<b><u>2,417,033</u></b>	<b><u>2,250,000</u></b>	<b><u>2,300,000</u></b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
COPs Lease Purchase Payment	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>	<b><u>-</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 1,887,315</u></b>	<b><u>\$ 1,199,058</u></b>	<b><u>\$ 1,780,000</u></b>	<b><u>\$ 2,417,033</u></b>	<b><u>\$ 2,250,000</u></b>	<b><u>\$ 2,300,000</u></b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.



**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
E-LEARNING**

		<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<b>PERFORMANCE MEASURES/DELIVERABLES</b>		<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>REVISED</b>	<b>REVISED</b>	<b>REVISED</b>
<b>Workforce Contributions</b>								
1.	Number of new Web courses developed and offered	125	150	101 new courses, 140 new sections offered; 9,476 enrollments, in 408 sections	130	100	90	100
2.	Number of new IT-enhanced courses developed		20	32	30	40	50	50
3.	Increase in enrollments of distance students in Web courses		500	1,703	600	500	500	500
4.	Increase in residential undergraduate enrollments		100	663	150	500	750	750
5.	Increase in student academic success in Web courses		10%	DFW dropped from 17.7% to 16.8%, a 5% improvement	15%	5%	5%	5%
6.	Total number of faculty participating in Web development	150	150	117	200	120	120	120
				82 on web courses; 35 on web enhanced				
7.	Number of NAU students taking Web courses		4,000	12,180	4500	4,000	4,000	4,000
8.	Number of graduates with technical literacy skills (to be assessed directly)	1,500	1,750	889	2,000	1,500	1,500	1,500
9.	Percentage of students satisfied with Web learning opportunities (senior survey data)		80%	84%, an improvement from 75% last year; 89%, an improvement from 88% last year	85%	85%	85%	85%
10.	Number of new certificates in advanced technology for students	2	1	1	1	1	1	1
<b>Leveraged Investment</b>								
11.	Grants and donations for research in best-practices	\$50,000	\$50,000	\$0	\$100,000	\$50,000	\$50,000	\$50,000
<b>Specific Collaborations</b>								
12.	Number of private sector partnerships		1	0	2	1	1	1
<b>Economic Development</b>								
13.	Number of spin-off companies	0	0	0	0	0	1	1

**NORTHERN ARIZONA UNIVERSITY**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**ENVIRONMENTAL RESEARCH, DEVELOPMENT AND EDUCATION FOR THE NEW ECONOMY (ERDENE)**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 178,942	\$ 175,540	\$ -	\$ 224,067	\$ -	\$ -
TRIF Revenue	1,620,000	1,551,412	1,540,000	1,540,000	2,060,000	2,360,000
<b>TOTAL REVENUE</b>	<b>\$ 1,798,942</b>	<b>\$ 1,726,952</b>	<b>\$ 1,540,000</b>	<b>\$ 1,764,067</b>	<b>\$ 2,060,000</b>	<b>\$ 2,360,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 1,292,127	\$ 1,080,916	\$ 1,096,679	\$ 1,208,712	\$ 1,526,063	\$ 1,644,866
ERE	237,190	179,503	213,852	213,852	297,562	320,749
All Other Operating	269,625	242,466	229,469	341,503	236,375	394,385
<b>TOTAL OPERATING BUDGET</b>	<b>1,798,942</b>	<b>1,502,885</b>	<b>1,540,000</b>	<b>1,764,067</b>	<b>2,060,000</b>	<b>2,360,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
COPs Lease Purchase Payment	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 1,798,942</b>	<b>\$ 1,502,885</b>	<b>\$ 1,540,000</b>	<b>\$ 1,764,067</b>	<b>\$ 2,060,000</b>	<b>\$ 2,360,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

**NORTHERN ARIZONA UNIVERSITY**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**ENVIRONMENTAL RESEARCH, DEVELOPMENT AND EDUCATION FOR THE NEW ECONOMY (ERDENE)**

	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<b>PERFORMANCE MEASURES/DELIVERABLES</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>REVISED</b>	<b>REVISED</b>	<b>REVISED</b>
<b>Leveraged Investment</b>							
1. Leveraged Federal and State Funds	\$5,525,000	\$1,194,000	\$4,338,056	\$4,275,500	\$4,275,500	\$5,663,000	\$6,308,000
2. Leveraged Industrial \$\$	\$366,000	\$116,000	\$413,000	\$100,000	\$100,000	\$133,000	\$152,000
3. Leveraged other \$\$ (Private, etc.)	\$642,000	\$308,000	\$300,873	\$200,000	\$200,000	\$267,000	\$304,000
4. Other Returns (presentations and publications)	121	69	180	18	18	24	27
5. Arizona Economic Losses Avoided		\$1,600,000		\$4,700,000	\$4,700,000		
<b>Technology Transfer</b>							
6. Products Generated and in the Marketplace		1					
7. Business Spinoffs	1	1				1	2
8. Patent Applications Generated	1	0		1	1	1	2
9. Conferences Sponsored	14	6	19	5	5	7	8
10. Business Expansions	2	0	1	6	6	8	8
<b>Work Force Contributions</b>							
11. Graduate students in pipeline or graduated	56	60	87	40	40	53	61
12. High-end Baccalaureates in Specific Disciplines	38	16	27	55	55	73	84
13. Certificates Granted	0	0		5	5	7	8
14. Post-Doc students in pipeline or graduated	26	12	7	3	3	4	5
15. Continuing Education Professionals	85	25	312	30	30	40	46
<b>Specific Curriculum Innovations</b>							
16. New Programs -- full-time students	3	0	1	6	6	8	9
17. Revised Courses and programs	10	4	14	10	10	8	9
18. New Courses -- full-time students	2	3	9	6	6	13	15
<b>Partnerships (Specific Collaborations)</b>							
19. Community College 2+2 Programs	2	3	9	3	3	4	5
20. Tri-University (ASU, NAU, UofA)	4	1	6	3	3	4	5
21. Industry/Private Sector Collaborations	17	18	73	18	18	24	27
22. Community-based (including tribes)	34	28	58	30	30	40	46
23. Regional, Nat'l, Internat'l Research and Linkages	20	16	41	10	10	13	15

**NORTHERN ARIZONA UNIVERSITY  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
CAPITAL PROJECTS**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 199,322	\$ 203,803	\$ -	\$ 645,454	\$ -	\$ -
TRIF Revenue	620,000	574,597	1,800,000	920,000	2,240,000	2,350,000
<b>TOTAL REVENUE</b>	<b><u>\$ 819,322</u></b>	<b><u>\$ 778,400</u></b>	<b><u>\$ 1,800,000</u></b>	<b><u>\$ 1,565,454</u></b>	<b><u>\$ 2,240,000</u></b>	<b><u>\$ 2,350,000</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 61,400	\$ 60,159	\$ -	\$ 45,000	\$ -	\$ -
ERE	11,500	12,507	-	10,000	-	-
All Other Operating	146,422	60,280	-	15,454	-	-
<b>TOTAL OPERATING BUDGET</b>	<b><u>219,322</u></b>	<b><u>132,946</u></b>	<b><u>-</u></b>	<b><u>70,454</u></b>	<b><u>-</u></b>	<b><u>-</u></b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	600,000	-	1,800,000	-	-	-
COPs Lease Purchase Payment	-	-	-	1,495,000	2,240,000	2,350,000
<b>TOTAL CAPITAL BUDGET</b>	<b><u>600,000</u></b>	<b><u>-</u></b>	<b><u>1,800,000</u></b>	<b><u>1,495,000</u></b>	<b><u>2,240,000</u></b>	<b><u>2,350,000</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 819,322</u></b>	<b><u>\$ 132,946</u></b>	<b><u>\$ 1,800,000</u></b>	<b><u>\$ 1,565,454</u></b>	<b><u>\$ 2,240,000</u></b>	<b><u>\$ 2,350,000</u></b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

<b>PERFORMANCE MEASURES/DELIVERABLES</b>	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>REVISED</i>	<i>REVISED</i>	<i>REVISED</i>
<b>Leveraged Investment</b>							
1. Site Selection	X						
2. Building occupants defined	partial	X	partial				
3. "Green" Consultant hired	X		X				
4. Charette for building needs held	X		X				
5. Identification of matching funds		\$200,000	0		\$300,000		
6. Architect Hired		X	finalist selected				
7. Board Approvals obtained				X	X		
8. Schematic drawings prepared				X	X		
9. Preparations made for bond issuance				X	X		
10. Building construction				Begin	Begin	X	
11. Planning for Biology/Chemistry renovations			partial			X	
12. Board Approvals obtained (Bio-Chem)						X	
13. Building renovations							Construction

**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 7,585,374	\$ 7,585,374	\$ -	\$2,825,232	\$ -	\$ -
TRIF Revenue	17,200,000	16,471,780 *	18,200,000	18,200,000	19,200,000	20,200,000
<b>TOTAL REVENUE</b>	<b><u>\$ 24,785,374</u></b>	<b><u>\$ 24,057,154</u></b>	<b><u>\$ 18,200,000</u></b>	<b><u>\$ 21,025,232</u></b>	<b><u>\$ 19,200,000</u></b>	<b><u>\$ 20,200,000</u></b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 11,966,504	\$ 7,890,795	\$ 8,628,372	\$ 11,207,445	\$ 9,473,808	\$ 10,154,635
ERE	2,056,578	1,147,479	1,682,592	2,172,107	1,943,110	2,142,118
All Other Operating	9,602,292	11,033,648	4,889,036	4,645,680	4,783,082	4,903,247
<b>TOTAL OPERATING BUDGET</b>	<b><u>\$ 23,625,374</u></b>	<b><u>\$ 20,071,922</u></b>	<b><u>\$ 15,200,000</u></b>	<b><u>\$ 18,025,232</u></b>	<b><u>\$ 16,200,000</u></b>	<b><u>\$ 17,200,000</u></b>
<b>CAPITAL BUDGET</b>						
Building Renovation	160,000	160,000				
Debt Service	1,000,000	1,000,000	3,000,000	3,000,000	3,000,000	3,000,000
COPs Lease Purchase Payment						
<b>TOTAL CAPITAL BUDGET</b>	<b><u>1,160,000</u></b>	<b><u>1,160,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 24,785,374</u></b>	<b><u>\$ 21,231,922</u></b>	<b><u>\$ 18,200,000</u></b>	<b><u>\$ 21,025,232</u></b>	<b><u>\$ 19,200,000</u></b>	<b><u>\$ 20,200,000</u></b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

**SUMMARY BY INITIATIVE**

**UNIVERSITY OF ARIZONA**

Access and Workforce Development	2,846,125	2,326,232	1,800,000	2,243,684	1,800,000	1,800,000
Biosciences/Biotechnology	7,761,724	7,199,779	5,000,000	5,350,253	6,000,000	5,500,000
Technology Transfer	717,080	577,644	700,000	814,033	800,000	800,000
Optical Sciences	6,535,952	6,014,645	4,500,000	4,809,615	4,200,000	4,200,000
Internet Technology & Commerce	5,982,413	4,286,510	4,200,000	5,713,848	4,100,000	4,400,000
Water, Economic Development and Sustainability	942,080	827,112	2,000,000	2,093,799	2,300,000	3,500,000

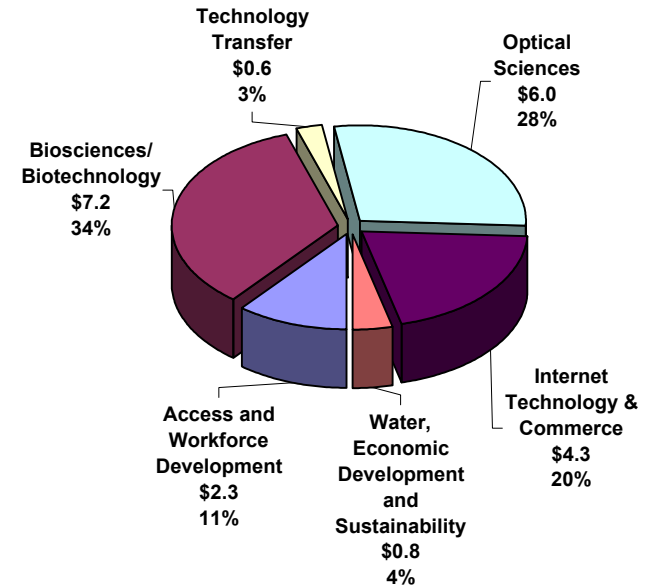
<b>EXPENDITURES GRAND TOTAL</b>	<b><u>\$ 24,785,374</u></b>	<b><u>\$ 21,231,922</u></b>	<b><u>\$ 18,200,000</u></b>	<b><u>\$ 21,025,232</u></b>	<b><u>\$ 19,200,000</u></b>	<b><u>\$ 20,200,000</u></b>
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\* based on FY 02-03 revenue shortfall of \$728,220

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 BUDGET / ACTUAL**  
**SUMMARY**

	<i>FY 2003</i> <i>REV BUDGET</i>	<i>FY 2003</i> <i>ACTUAL</i>
<b>REVENUE</b>		
Carry Forward	\$ 7,585,374	\$ 7,585,374
TRIF Revenue	17,200,000	16,471,780
<b>TOTAL REVENUE</b>	<b>\$ 24,785,374</b>	<b>\$ 24,057,154</b>
<b>EXPENDITURES</b>		
<b>OPERATING BUDGET</b>		
Personal Services	11,966,504	7,890,795
ERE	2,056,578	1,147,479
All Other Operating	9,602,292	11,033,648
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 23,625,374</b>	<b>\$ 20,071,922</b>
<b>CAPITAL BUDGET</b>		
Building Renovation	160,000	160,000
Debt Service	1,000,000	1,000,000
COPs Lease Purchase Payment	1,160,000	1,160,000
<b>TOTAL CAPITAL BUDGET</b>	<b>\$ 1,160,000</b>	<b>\$ 1,160,000</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 24,785,374</b>	<b>\$ 21,231,922</b>
Note: FY 2003 expenditures include encumbrances at 6/30/03.		
<b>SUMMARY BY INITIATIVE</b>		
Access and Workforce Development	\$ 2,846,125	\$ 2,326,232
Biosciences/Biotechnology	7,761,724	7,199,779
Technology Transfer	717,080	577,644
Optical Sciences	6,535,952	6,014,645
Internet Technology & Commerce	5,982,413	4,286,510
Water, Economic Development and Sustainability	942,080	827,112
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 24,785,374</b>	<b>\$ 21,231,922</b>

**FY 2003 UA ACTUAL TRIF EXPENDITURES**  
(in millions)



**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
ACCESS TO HIGHER EDUCATION**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 907,668	\$ 907,668	-	\$ 185,578 *	-	-
TRIF Revenue	1,000,000	957,704	1,000,000	1,000,000	1,000,000	1,000,000
<b>TOTAL REVENUE</b>	<b>\$ 1,907,668</b>	<b>\$ 1,865,372</b>	<b>\$ 1,000,000</b>	<b>\$ 1,185,578</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 983,839	\$ 591,343	\$ 681,300	\$ 798,795	\$ 767,500	\$ 805,900
ERE	189,691	111,673	132,900	200,983	149,700	157,200
All Other Operating	734,138	976,778	185,800	185,800	82,800	36,900
<b>TOTAL OPERATING BUDGET</b>	<b>1,907,668</b>	<b>1,679,794</b>	<b>1,000,000</b>	<b>1,185,578</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 1,907,668</b>	<b>\$ 1,679,794</b>	<b>\$ 1,000,000</b>	<b>\$ 1,185,578</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>

\* based on FY 02-03 revenue shortfall of \$42,296

	<i>FY 2002 ACTUAL</i>	<i>FY 2003 PROJECTED</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 PROJECTED</i>	<i>FY 2005 REVISED</i>	<i>FY 2006 REVISED</i>
<b>PERFORMANCE MEASURES/DELIVERABLES</b>						
1. Increased Capacity to deliver courses		Plans revised	DS-3 line installed	Increase usage	Increase usage	Increase usage
2. New Programs brought on line	2 new	2 new	2 new	2 new	2 new	2 new
3. New Enrollments	n/a	40	20	60	80	100

**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
WORKFORCE DEVELOPMENT: TEACHER PREPARATION**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 ORIG BUDGET</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 138,457	\$ 138,457	-	\$ 258,106 *	-	-
TRIF Revenue	800,000	766,087	800,000	800,000	800,000	800,000
<b>TOTAL REVENUE</b>	<b>\$ 938,457</b>	<b>\$ 904,544</b>	<b>\$ 800,000</b>	<b>\$ 1,058,106</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
<b>EXPENDITURES</b>						
OPERATING BUDGET						
Personal Services	\$ 425,493	\$ 273,316	\$ 273,200	\$ 490,000	\$ 420,025	\$ 420,025
ERE	79,132	45,599	53,300	114,170	97,866	97,866
All Other Operating	433,832	327,523	473,500	453,936	282,109	282,109
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 938,457</b>	<b>\$ 646,438</b>	<b>\$ 800,000</b>	<b>\$ 1,058,106</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
CAPITAL BUDGET						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 938,457</b>	<b>\$ 646,438</b>	<b>\$ 800,000</b>	<b>\$ 1,058,106</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

\* based on FY03 revenue shortfall of \$33,913

<u>PERFORMANCE MEASURES/DELIVERABLES</u>	<i>FY 2002 ACTUAL</i>	<i>FY 2003 PROJECTED</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 PROJECTED</i>	<i>FY 2004 REVISED</i>	<i>FY 2005 REVISED</i>	<i>FY 2006 REVISED</i>
<b>Workforce Contributions</b>							
1. Completers of Secondary Science Teacher Prep	1	7	6	15	15	20	25
2. Completers of Secondary Math Teacher Prep	3	3	7	10	10	15	15
3. Completers in Elementary Math/Sci Teacher Prep	29	30	28	30	30	30	30
4. Completers in Agricultural Teacher Prep	18	15	15	17	17	16	17
5. Science Prepcourse developed in College of Science. NSF preproposal submitted to develop and offer specialized science and science ed courses for middle school teachers							
6. Collaborations between colleges of Education, Science and Agriculture		Phase 2	Phase 2	Phase 3	Phase 3	Phase 4	Phase 5



**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
TECHNOLOGY TRANSFER INFRASTRUCTURE**

	<i>FY 2003</i> <i>REV BUDGET</i>	<i>FY 2003</i> <i>ACTUAL</i>	<i>FY 2004</i> <i>ORIG BUDGET</i>	<i>FY 2004</i> <i>REV BUDGET</i>	<i>FY 2005</i> <i>REV BUDGET</i>	<i>FY 2006</i> <i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 117,080	\$ 117,080	-	\$ 114,033 *	-	-
TRIF Revenue	600,000	574,597	700,000	700,000	800,000	800,000
<b>TOTAL REVENUE</b>	<b>\$ 717,080</b>	<b>\$ 691,677</b>	<b>\$ 700,000</b>	<b>\$ 814,033</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 396,642	\$ 281,832	\$ 286,700	\$ 350,238	\$ 301,200	\$ 316,300
ERE	83,507	52,047	55,900	106,395	58,700	61,700
All Other Operating	236,931	243,765	357,400	357,400	440,100	422,000
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 717,080</b>	<b>\$ 577,644</b>	<b>\$ 700,000</b>	<b>\$ 814,033</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 717,080</b>	<b>\$ 577,644</b>	<b>\$ 700,000</b>	<b>\$ 814,033</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

\* based on FY03 revenue shortfall of \$25,403

<b>PERFORMANCE MEASURES/DELIVERABLES</b>	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>REVISED</i>	<i>REVISED</i>	<i>REVISED</i>
<b>Technology Transfer</b>							
1. Patent Applications		69	75		83	100	120
2. Patents Issued		21	11		25	30	36
3. Spin-Off Companies		4	0		5	6	8
4. Invention Disclosures		154	111		185	222	266
5. Licenses/Options		64	29		77	92	110
6. Licensing Income		\$720,645	1,076,870		\$900,804	\$1,126,007	\$1,407,509

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**INSTITUTE FOR BIOMEDICAL SCIENCE AND BIOTECHNOLOGY**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 2,761,724	\$ 2,761,724	-	\$ 350,253 *	-	-
TRIF Revenue	5,000,000	4,788,308	5,000,000	5,000,000	6,000,000	5,500,000
<b>TOTAL REVENUE</b>	<b>\$ 7,761,724</b>	<b>\$ 7,550,032</b>	<b>\$ 5,000,000</b>	<b>\$ 5,350,253</b>	<b>\$ 6,000,000</b>	<b>\$ 5,500,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 3,637,902	\$ 2,792,200	\$ 1,861,225	\$ 1,861,225	\$ 1,950,483	\$ 1,890,010
ERE	518,362	533,735	362,939	362,939	380,344	368,552
All Other Operating	3,445,460	3,713,844	775,836	1,126,089	1,669,173	1,241,438
<b>TOTAL OPERATING BUDGET</b>	<b>7,601,724</b>	<b>7,039,779</b>	<b>3,000,000</b>	<b>3,350,253</b>	<b>4,000,000</b>	<b>3,500,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	160,000	160,000	-	-	-	-
Debt Service	-	-	2,000,000	2,000,000	2,000,000	2,000,000
<b>TOTAL CAPITAL BUDGET</b>	<b>160,000</b>	<b>160,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>	<b>2,000,000</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 7,761,724</b>	<b>\$ 7,199,779</b>	<b>\$ 5,000,000</b>	<b>\$ 5,350,253</b>	<b>\$ 6,000,000</b>	<b>\$ 5,500,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

\* based on FY03 revenue shortfall of \$211,692

**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
INSTITUTE FOR BIOMEDICAL SCIENCE AND BIOTECHNOLOGY**

PERFORMANCE MEASURES/DELIVERABLES	FY 2002	FY 2003	FY 2003	FY 2004	FY 2004	FY 2005	FY 2006
	ACTUAL	PROJECTED	ACTUAL	PROJECTED	REVISED	REVISED	PROJECTED
<b>Return on Investment</b>							
1. Federal Grants Received <sup>(1)</sup>	\$1,447,470		\$12,641,087	\$15,000,000	\$15,000,000	\$18,000,000	\$21,000,000
2. Research Grants Pending	\$19,106,683		\$21,490,312	\$25,000,000	\$25,000,000	\$27,000,000	\$30,000,000
3. New Faculty Hired	7		8	5	5	6	4
4. Research Infrastructure Support			\$2,964,600	\$2,683,498	\$2,683,498	\$150,000	\$150,000
5. SBIR/STTR Grants					2	2	2
<b>Economic Development</b>							
6. Corporate Contracts			\$105,090	\$150,000	\$150,000	\$150,000	\$150,000
7. Industrial Interactions	2		64	60	60	60	60
8. Industrial Collaborations	2		6	10	10	8	5
<b>Technology Transfer<sup>(2)</sup></b>							
9. Invention Disclosures			57	55	55	50	50
10. Licenses			75	70	70	65	65
11. Patent Applications	1		37	35	35	35	35
12. Patents Issued			7	5	5	5	5
<b>Workforce Contributions<sup>(3)</sup></b>							
13. Training Grants			3	2	2	2	2
14. Undergraduate Degrees Awarded			658	660	660	650	650
15. Undergrads w/Research Experience <sup>(4)</sup>			229	235	235	230	230
16. Graduate Degrees Awarded			266	260	260	260	260
17. Graduate Students Enrolled			1183	1190	1190	1190	1190
<b>Promoting Life Science Potential</b>							
18. Media Coverage <sup>(4)</sup>			79/12	70/15	70/15	70/15	70/15
19. Web enhancements <sup>(5)</sup>			2	1	1	1	1
20. Presentations/exhibits			19	15	15	16	15
21. Political Outreach <sup>(7)</sup>			21	20	20	20	20

<sup>(1)</sup> FY 2003 dollars received from research grants from NIH, USDA, NSF, DOE, etc.

<sup>(2)</sup> data represent activity of all UA life science departments

<sup>(3)</sup> all life science departments

<sup>(4)</sup> number of undergrads participating in formal research experience programs (UBRP, MARC, etc.)

<sup>(5)</sup> newspaper, radio, TV stories/background briefings and presentations

<sup>(6)</sup> IBSB website redesign and upgrade, design of life science graduate website

<sup>(7)</sup> includes formal events and individual briefings, presentations

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**INTERNET TECHNOLOGY & COMMERCE INSTITUTE**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 1,682,413	\$ 1,682,413	-	\$ 1,513,848 *	-	-
TRIF Revenue	4,300,000	4,117,945	4,200,000	4,200,000	4,100,000	4,400,000
<b>TOTAL REVENUE</b>	<b>\$ 5,982,413</b>	<b>\$ 5,800,358</b>	<b>\$ 4,200,000</b>	<b>\$ 5,713,848</b>	<b>\$ 4,100,000</b>	<b>\$ 4,400,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 2,992,014	\$ 1,882,241	\$ 2,557,300	\$ 4,002,128	\$ 2,318,700	\$ 2,167,300
ERE	541,209	190,774	498,700	567,720	452,100	422,600
All Other Operating	2,449,190	2,213,495	1,144,000	1,144,000	1,329,200	1,810,100
<b>TOTAL OPERATING BUDGET</b>	<b>5,982,413</b>	<b>4,286,510</b>	<b>4,200,000</b>	<b>5,713,848</b>	<b>4,100,000</b>	<b>4,400,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 5,982,413</b>	<b>\$ 4,286,510</b>	<b>\$ 4,200,000</b>	<b>\$ 5,713,848</b>	<b>\$ 4,100,000</b>	<b>\$ 4,400,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

\* based on FY03 revenue shortfall of \$182,055

**UNIVERSITY OF ARIZONA  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
INTERNET TECHNOLOGY & COMMERCE INSTITUTE**

<b>PERFORMANCE MEASURES/DELIVERABLES</b>	<i>FY 20002 ACTUAL</i>	<i>FY 2003 PROJECTED</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 PROJECTED</i>	<i>FY 2005 PROJECTED</i>	<i>FY 2006 PROJECTED</i>
<b>Return on Investment</b>						
Licensing revenues attributable to ITCDI	*	*	*	*	*	*
Number of ITCDI start-up companies	1	1	1	1	1	1
Numbers of patents filed attributable to ITCDI	0	1	2	2	2	4
Arizona sponsored research	*	*	*	*	*	*
Number or relocated and retained companies	0	1	2	1	1	1
Jobs attributable to relocation	*	*	*	*	*	*
Jobs attributable to start-ups	10	10	10	10	10	10
Jobs attributable to expansion	*	*	*	*	*	*
Number of new faculty experts attracted	*	*	2	*	*	*
New graduates from ITCDI related programs	0	10	69	30	40	50
ITCDI graduates benefiting from minors in related areas	25	50	50	100	100	100
Undergraduates taking non-technical minor	50	100	100	150	200	300
Growth in ITCDI related graduate enrollment	5	5	5	5	5	20
New graduates from Information Sciences Program	0	0	0	0	50	75
Curriculum innovations program implemented	P1	P2	39	40	40	40
Government project grants obtained	*	*	*	*	*	*
SBIR/SBTT grants obtained	*	*	*	*	*	*
Grants/contracts from Industry	\$120K	\$150K	\$234	\$500k	\$1M	\$1M
Value of Sponsorship obtained	\$1.0M	\$1.5M	\$4.8M	\$2.0M	\$3.0M	\$4.0M
Network infrastructure upgrades	P1	P2	P2	P3	P4	P5

\* Indicates metrics not yet estimable. these will be added in coordination with the office of Economic Development's development of the system by which growth will be tracked and attributed in the University/Community Proposition 301 Technology Report

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**OPTICAL SCIENCE & TECHNOLOGY**

	FY 2003 REV BUDGET	FY 2003 ACTUAL	FY 2004 ORIG BUDGET	FY 2004 REV BUDGET	FY 2005 REV BUDGET	FY 2006 REV BUDGET
<b>REVENUE</b>						
Carry Forward	\$ 1,535,952	\$ 1,535,952	-	\$ 309,615 *	-	-
TRIF Revenue	5,000,000	4,788,308	4,500,000	4,500,000	4,200,000	4,200,000
<b>TOTAL REVENUE</b>	<b>\$ 6,535,952</b>	<b>\$ 6,324,260</b>	<b>\$ 4,500,000</b>	<b>\$ 4,809,615</b>	<b>\$ 4,200,000</b>	<b>\$ 4,200,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 3,012,183	\$ 1,632,856	\$ 1,549,400	\$ 2,299,400	\$ 2,100,000	\$ 2,100,000
ERE	537,297	148,414	302,100	535,760	489,300	489,300
All Other Operating	1,986,472	3,233,375	1,648,500	974,455	610,700	610,700
<b>TOTAL OPERATING BUDGET</b>	<b>5,535,952</b>	<b>5,014,645</b>	<b>3,500,000</b>	<b>3,809,615</b>	<b>3,200,000</b>	<b>3,200,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation						
Debt Service	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
<b>TOTAL CAPITAL BUDGET</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 6,535,952</b>	<b>\$ 6,014,645</b>	<b>\$ 4,500,000</b>	<b>\$ 4,809,615</b>	<b>\$ 4,200,000</b>	<b>\$ 4,200,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.

\* based on FY03 revenue shortfall of \$211,692

<b>PERFORMANCE MEASURES/DELIVERABLES</b>		<b>FY 2002 ACTUAL</b>	<b>FY 2003 PROJECTED</b>	<b>FY 2003 ACTUAL</b>	<b>FY 2004 PROJECTED</b>	<b>FY 2004 REVISED</b>	<b>FY 2005 REVISED</b>	<b>FY 2006 REVISED</b>
1.	Recruit World-Class Faculty Experts	3	4	6		0	2	2
2.	Increase Number of Industrial Affiliate Optics Companies	11	2	3		2	2	2
3.	New Spin-Off Companies in Optics	2	1	1		0	0	1
4.	New Federally Funded Major Optics Projects	2	1	2		1	1	1
5.	Number of Additional Graduate Students in Areas Related to Optics	30	3	15		0	0	0
6.	Number of Additional Undergraduate Majors in Areas Related to Optics	12	5	25		10	10	15

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**WATER, ECONOMIC DEVELOPMENT & SUSTAINABILITY**

	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
	<i>REV BUDGET</i>	<i>ACTUAL</i>	<i>ORIG BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>	<i>REV BUDGET</i>
<b>REVENUE</b>						
Carry Forward	\$ 442,080	\$ 442,080		\$ 93,799 *		
TRIF Revenue	500,000	478,831	2,000,000	2,000,000	2,300,000	3,500,000
<b>TOTAL REVENUE</b>	<b>\$ 942,080</b>	<b>\$ 920,911</b>	<b>\$ 2,000,000</b>	<b>\$ 2,093,799</b>	<b>\$ 2,300,000</b>	<b>\$ 3,500,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 518,431	\$ 437,007	\$ 1,419,247	\$ 1,405,659	\$ 1,615,900	\$ 2,455,100
ERE	107,380	65,237	276,753	284,140	315,100	544,900
All Other Operating	316,269	324,868	304,000	404,000	369,000	500,000
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 942,080</b>	<b>\$ 827,112</b>	<b>\$ 2,000,000</b>	<b>\$ 2,093,799</b>	<b>\$ 2,300,000</b>	<b>\$ 3,500,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation						
Debt Service						
<b>TOTAL CAPITAL BUDGET</b>						
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 942,080</b>	<b>\$ 827,112</b>	<b>\$ 2,000,000</b>	<b>\$ 2,093,799</b>	<b>\$ 2,300,000</b>	<b>\$ 3,500,000</b>

\* based on FY 02-03 revenue shortfall of \$21,169

**UNIVERSITY OF ARIZONA**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004-06 BUDGET**  
**WATER, ECONOMIC DEVELOPMENT & SUSTAINABILITY**

		<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<b>PERFORMANCE MEASURES/DELIVERABLES</b>		<b>ACTUAL</b>	<b>PROJECTED</b>	<b>ACTUAL</b>	<b>PROJECTED</b>	<b>REVISED</b>	<b>REVISED</b>	<b>REVISED</b>
<b>Return on Investment</b>								
1.	Government project grants obtained	0	*	\$244,700	*	\$275,000	\$275,000	\$275,000
2.	Additional funding obtained	\$400,000	*	\$88,000	*	\$75,000	\$75,000	\$75,000
<b>Technology Transfer</b>								
3.	State-wide water conference	1	1	1	1	1	1	1
<b>Companies Relocating/Economic Development</b>								
4.	Number of relocated research offices	0	*	0	*	*	*	*
5.	Jobs attributable to relocation	0	*	0	*	*	*	*
6.	Jobs attributable to expansion	0	*	0	*	*	*	*
7.	Number of new faculty attracted	1	*	0	*	*	*	*
<b>Workforce Contributions</b>								
8.	Number of undergraduate employment/research opportuni	0	2	9	12	22	22	22
9.	Number of graduate employment/research opportunities	1	4	16	12	37	37	37
10.	Number of post graduate employment/research opportunit	2	1	2	4	2	2	2
<b>Curriculum Innovations/Education</b>								
11.	Expanded delivery of K-12 water education programs							
	- number of facilitators trained **	0	*	40	*	40	40	40
	- number of teachers trained/student contact **	0		475/26,500	*	*	*	*
12.	Interdisciplinary curriculum modules developed	0	*	7	*	*	*	*
	- number of teachers trained/student contact **	0		9/390	*	20/800	20/800	20/800
13.	New rural water resources centers established	2	2	2	*	2	2	2
<b>Partnerships</b>								
14.	New collaborations with institutions/industry **					72	*	*

\* Indicates metrics not available;

\*\* New measure added



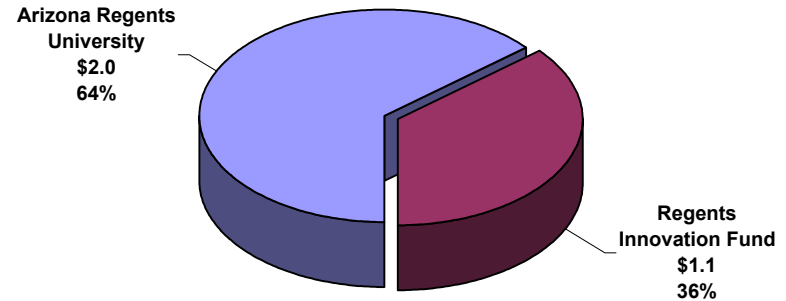
**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-2006 BUDGET  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 REV BUDGET</i>	<i>FY 2005 REV BUDGET</i>	<i>FY 2006 REV BUDGET</i>
<b>REVENUE</b>					
Carry Forward	\$ 2,226,117	\$ 2,226,117	\$ 2,123,392	\$ -	\$ -
TRIF Revenue	3,100,000	2,970,068	3,205,000	3,315,000	3,431,000
<b>TOTAL REVENUE</b>	<b><u>\$ 5,326,117</u></b>	<b><u>\$ 5,196,184</u></b>	<b><u>\$ 5,328,392</u></b>	<b><u>\$ 3,315,000</u></b>	<b><u>\$ 3,431,000</u></b>
<b>EXPENDITURES</b>					
<b>OPERATING BUDGET</b>					
Personal Services	\$ 198,600	\$ 204,866	\$ 255,874	\$ 200,000	\$ 220,000
ERE	46,000	43,977	61,161	50,000	55,000
All Other Operating	487,572	13,901	141,605	400,600	404,100
Subtotal Operating Budget	<u>732,172</u>	<u>262,745</u>	<u>458,640</u>	<u>650,600</u>	<u>679,100</u>
<b>GRANTS/PROJECTS</b>					
Arizona Regents University	2,980,685	1,765,548	3,420,552	1,664,400	1,751,900
Regents Innovation Fund	1,613,260	1,044,498	1,449,200	1,000,000	1,000,000
Subtotal Grants/Projects	<u>4,593,945</u>	<u>2,810,046</u>	<u>4,869,752</u>	<u>2,664,400</u>	<u>2,751,900</u>
<b>TOTAL OPERATING BUDGET</b>	<b><u>\$ 5,326,117</u></b>	<b><u>\$ 3,072,791</u></b>	<b><u>\$ 5,328,392</u></b>	<b><u>\$ 3,315,000</u></b>	<b><u>\$ 3,431,000</u></b>
<b>CAPITAL BUDGET</b>					
Building Renovation	-	-	-	-	-
Debt Service	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TOTAL EXPENDITURES</b>	<b><u>\$ 5,326,117</u></b>	<b><u>\$ 3,072,791</u></b>	<b><u>\$ 5,328,392</u></b>	<b><u>\$ 3,315,000</u></b>	<b><u>\$ 3,431,000</u></b>
<b>BUDGET SUMMARY BY INITIATIVE</b>					
Arizona Regents University	\$ 3,650,118	\$ 1,961,431	\$ 3,805,657	\$ 2,315,000	\$ 2,431,000
Regents Innovation Fund	<u>1,675,999</u>	<u>1,111,360</u>	<u>1,522,735</u>	<u>1,000,000</u>	<u>1,000,000</u>
<b>TOTAL</b>	<b><u>\$ 5,326,117</u></b>	<b><u>\$ 3,072,791</u></b>	<b><u>\$ 5,328,392</u></b>	<b><u>\$ 3,315,000</u></b>	<b><u>\$ 3,431,000</u></b>

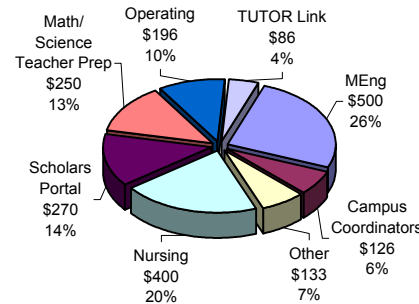
**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 BUDGET / ACTUAL  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>
<b>REVENUE</b>		
Carry Forward	\$ 2,226,117	\$ 2,226,117
TRIF Revenue	3,100,000	2,970,068
<b>TOTAL REVENUE</b>	<b>\$ 5,326,117</b>	<b>\$ 5,196,184</b>
<b>EXPENDITURES</b>		
<b>OPERATING BUDGET</b>		
Personal Services	\$ 198,600	\$ 204,866
ERE	46,000	43,977
All Other Operating	487,572	13,901
Subtotal Operating Budget	<b>732,172</b>	<b>262,745</b>
<b>GRANTS/PROJECTS</b>		
Arizona Regents University	2,980,685	1,765,548
Regents Innovation Fund	1,613,260	1,044,498
Subtotal Grants/Projects	4,593,945	2,810,046
<b>TOTAL OPERATING BUDGET</b>	<b>5,326,117</b>	<b>3,072,791</b>
<b>CAPITAL BUDGET</b>		
Building Renovation	-	-
Debt Service	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 5,326,117</b>	<b>\$ 3,072,791</b>
<b>SUMMARY BY INITIATIVE</b>		
Arizona Regents University	\$ 3,650,118	\$ 1,961,431
Regents Innovation Fund	1,675,999	1,111,360
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 5,326,117</b>	<b>\$ 3,072,791</b>

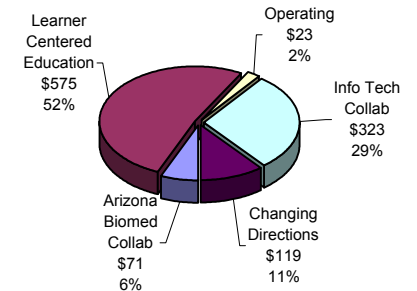
**FY 2003 CENTRAL OFFICE ACTUAL TRIF EXPENDITURES  
(in millions)**



**ARU  
(in thousands)**



**REGENTS INNOVATION FUND  
(in thousands)**



**ARIZONA BOARD OF REGENTS  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
ARIZONA REGENTS UNIVERSITY**

	FY 2003 REV BUDGET	FY 2003 ACTUAL	FY 2004 ORIG BUDGET	FY 2004 REV BUDGET	FY 2005 REV BUDGET	FY 2006 REV BUDGET
<b>REVENUE</b>						
Carry Forward	\$ 1,550,118	\$ 1,550,118	\$ -	\$ 1,600,657	\$ -	\$ -
TRIF Revenue	2,100,000	2,011,971	2,205,000	2,205,000	2,315,000	2,431,000
<b>TOTAL REVENUE</b>	<b>\$ 3,650,118</b>	<b>\$ 3,562,088</b>	<b>\$ 2,205,000</b>	<b>\$ 3,805,657</b>	<b>\$ 2,315,000</b>	<b>\$ 2,431,000</b>
<b>EXPENDITURES</b>						
<b>OPERATING BUDGET</b>						
Personal Services	\$ 150,000	\$ 154,390	\$ 200,000	\$ 200,000	\$ 200,000	\$ 220,000
ERE	37,500	34,898	50,000	50,000	50,000	55,000
All Other Operating	481,933	6,594	366,100	135,105	400,600	404,100
Subtotal Operating Budget	<b>669,433</b>	<b>195,883</b>	<b>616,100</b>	<b>385,105</b>	<b>650,600</b>	<b>679,100</b>
<b>GRANTS/AID TO OTHERS</b>						
Tri-University Master of Engineering	500,000	250,000 <sup>2</sup>	250,000	250,000 <sup>3</sup>	-	-
Tri-University Master of Engineering Supplement	250,000	250,000	-	-	-	-
ARU Campus Coordinators Salary, ERE, Start Up	140,400	126,379	147,400	147,400	151,106	151,106
UA Nursing PhD	200,000	200,000 <sup>1/2</sup>	100,000	100,000 <sup>3</sup>	-	-
ASU & NAU RN to BSN	400,000	200,000 <sup>1</sup>	200,000	200,000 <sup>2</sup>	200,000 <sup>3</sup>	-
Scholars Portal	365,550	270,050 <sup>1</sup>	195,800	95,500 <sup>2</sup>	195,800 <sup>3</sup>	-
Math & Science Teacher Preparation	500,448	250,224 <sup>1</sup>	250,224	delayed to 04	250,224 <sup>2</sup>	250,224 <sup>3</sup>
APASC/ATASS Partnership	12,497	18,019	-	75,497	-	-
Tri-University Online Tutoring Resource (TUTOR) Link	153,600	85,800 <sup>1</sup>	44,635	67,800 <sup>2</sup>	68,600	-
Web Development	5,516	2,100	-	115,000	-	-
Research Survey Focus Groups	70,000	21,000	-	49,000	-	-
Tri-University Master of Engineering-Marketing	-	5,850	-	-	-	-
New Programs	382,674	86,126	400,841	2,320,355	798,670	1,350,570
Subtotal Grants/Aid to Others	<b>2,980,685</b>	<b>1,765,548</b>	<b>1,588,900</b>	<b>3,420,552</b>	<b>1,664,400</b>	<b>1,751,900</b>
<b>TOTAL OPERATING BUDGET</b>	<b>3,650,118</b>	<b>1,961,431</b>	<b>2,205,000</b>	<b>3,805,657</b>	<b>2,315,000</b>	<b>2,431,000</b>
<b>CAPITAL BUDGET</b>						
Building Renovation	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>EXPENDITURES GRAND TOTAL</b>	<b>\$ 3,650,118</b>	<b>\$ 1,961,431</b>	<b>\$ 2,205,000</b>	<b>\$ 3,805,657</b>	<b>\$ 2,315,000</b>	<b>\$ 2,431,000</b>

Note: FY 2003 expenditures include encumbrances at 6/30/03.  
1, 2, 3 notations reflect year of grant funding.

**ARIZONA BOARD OF REGENTS  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004-06 BUDGET  
ARIZONA REGENTS UNIVERSITY**

	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2004</i>	<i>FY 2005</i>	<i>FY 2006</i>
<b><u>PERFORMANCE MEASURES/DELIVERABLES</u></b>	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>ACTUAL</i>	<i>PROJECTED</i>	<i>REVISED</i>	<i>REVISED</i>	<i>REVISED</i>
<b>Return on Investment</b>							
Funds Leveraged	0	\$89,070	\$89,070		\$30,000,000		
<b>Workforce Contributions</b>							
Number of Courses Provided	520	546	1,471	573	1,588	1,715	1,852
Number of Certificate & Degree Programs Provided	9 / 14	11 / 15	13 / 24	13 / 16	14 / 25	15 / 27	16 / 28
Number of Enrollments	12,353	14,200	35,616	16,330	37,396	39,265	41,229
Grant Funds Distributed to Universities	\$1,378,394	\$1,500,000	\$1,760,328	\$1,500,000	\$2,662,972	\$1,500,000	\$1,500,000
<b>Curriculum Innovations</b>							
Number of Coordinated Student Services Provided	not available	5	6	6	7	8	9
Number of Faculty Trained	not available	Develop baseline	Develop baseline	100	100	200	300
Number of Faculty Offering Distance Learning Courses	not available	+ / - 400	400	412	412	424	436

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
SUMMARY**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ 675,999	\$ 675,999	\$ 522,735
TRIF Revenue	1,000,000	958,097	1,000,000
<b>TOTAL REVENUE</b>	<b>\$ 1,675,999</b>	<b>\$ 1,634,096</b>	<b>\$ 1,522,735</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ 48,600	\$ 50,476	\$ 55,874
ERE	8,500	9,079	11,161
All Other Operating	5,639	7,307	6,500
Subtotal Operating Budget	<u>62,739</u>	<u>66,862</u>	<u>73,535</u>
<b>GRANTS/PROJECTS</b>			
LCE Grants	862,260	554,488	807,772
Arizona Biomedical Collaborative for Education/Research	200,000	59,595	76,109
Information Technology Collaborative	340,000	323,415	180,000
Changing Directions	211,000	107,000	160,319
Expansion of Nursing Programs	-	-	100,000
TRIF Program Evaluation	-	-	125,000
Subtotal Grants/Projects	<u>1,613,260</u>	<u>1,044,498</u>	<u>1,449,200</u>
<b>TOTAL OPERATING BUDGET</b>	<b><u>1,675,999</u></b>	<b><u>1,111,360</u></b>	<b><u>1,522,735</u></b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TOTAL EXPENDITURES</b>	<b><u>\$ 1,675,999</u></b>	<b><u>\$ 1,111,360</u></b>	<b><u>\$ 1,522,735</u></b>
<b>BUDGET SUMMARY BY INNOVATION FUND INITIATIVE</b>			
Learner Centered Education	\$ 882,364	\$ 575,165	\$ 824,272
Arizona Biomedical Collaborative for Education/Research	200,000	70,586	100,000
Information Technology Collaborative	340,000	323,415	180,000
Changing Directions	223,000	119,126	160,319
Expansion of Nursing Programs	-	-	100,000
TRIF Program Evaluation	-	-	125,000
Operating	30,635	23,068	33,144
<b>TOTAL</b>	<b><u>\$ 1,675,999</u></b>	<b><u>\$ 1,111,360</u></b>	<b><u>\$ 1,522,735</u></b>

Note: The Regents Innovation Fund was established to address emerging opportunities and contingencies. Consistent with this intent, detailed budgets have not been developed for FY 2005 and FY 2006. The total amount of the Innovation Fund in each of those years is \$1million.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
LEARNER CENTERED EDUCATION**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 REV BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ 297,864	\$ 297,864	\$ 307,772
TRIF Revenue	584,500	560,008	516,500
<b>TOTAL REVENUE</b>	<b>\$ 882,364</b>	<b>\$ 857,872</b>	<b>\$ 824,272</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ 14,300	\$ 12,962	\$ 9,400
ERE	2,700	2,461	1,600
All Other Operating	3,104	5,254	5,500
Subtotal Operating Budget	<u>20,104</u>	<u>20,677</u>	<u>16,500</u>
<b>GRANTS</b>			
LCE Grants (FY 2004)	-	-	500,000
LCE Grants (FY 2003)	564,396	282,198	282,198
LCE Grants (FY 2002)	297,864	272,290	25,574
Subtotal Grants	<u>862,260</u>	<u>554,488</u>	<u>807,772</u>
<b>TOTAL OPERATING BUDGET</b>	<b><u>882,364</u></b>	<b><u>575,165</u></b>	<b><u>824,272</u></b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TOTAL EXPENDITURES</b>	<b>\$ 882,364</b>	<b>\$ 575,165</b>	<b>\$ 824,272</b>

**FY 2003 INITIATIVE OVERVIEW**

The purpose of the LCE grants is to support the Regents' goal of institutionalizing learner-centered education throughout the university system. The grants provide a source of support for new, innovative academic projects and unforeseen, short-term needs that fall within the framework of learner-centered education. The initial 2002 grants were funded for 15 months from April 2002-June 2003; subsequent grants beginning in 2003 will be 18 months in length from January 1 through June 30. Final reports for the 2002 grants are due by July 31, 2003.

Budget Projections: Personal, ERE, and operations projections increase at a rate of 5% each year. For 2003, the Regents approved a one-time increase of \$64,396 over the planned \$500,000 allotment to fund two additional grants.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
LEARNER CENTERED EDUCATION**

**FY 2003 GOALS/OBJECTIVES**

Grants are solicited in four categories considered critical to the full implementation of learner-centered education throughout the university system:

- Faculty professional development
- Course/program modification or development
- Research on learner-centered education
- Improved assessment of learner-centered education at the course or program level

Priority is given to proposals that are collaborative across campuses and among the universities.

<b><u>FY 2003 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i>FY 2003</i>	<i>FY 2003</i>	<i>FY 2004</i>
		<i>REVISED</i>	<i>ACTUAL *</i>	<i>PROJECTED</i>
<b>Curriculum Innovations</b>				
1.	Number of courses modified to LCE focus	80	95	80
2.	Faculty addressing curriculum through LCE grants	150	188	150
<b>Workforce Contributions</b>				
3.	Students affected by LCE grant projects	10,000	14,000	10,000

\* Subject to revision upon receipt of final reports.

**FY 2003 RESULTS AND ACCOMPLISHMENTS**

60 proposals were submitted.

18 were approved for funding.

The 2003 process resulted in more collaborative projects. In FY 2002, only one of the 20 grants involved multiple campuses or universities. In FY 2003, more than 25 percent of the funded grants are collaborations between two or more campuses or institutions.

In FY 2003, proposals with a greater range in funding types were submitted and funded. For example, three of the grants address research; in 2002 none did.

An additional one-time increase of \$64,396 was approved by the Board to fund two additional grants rated highly by the review panel.

Projects are funded from January 2003 through June 30, 2004. Approximately half of the funds were released during FY 2003. The remainder will be released during FY 2004 upon receipt of the progress reports required of each grantee.

**ABOR CENTRAL OFFICE**  
**TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)**  
**FY 2003 ACTUAL/FY 2004 BUDGET**  
**REGENTS INNOVATION FUND**  
**ARIZONA BIOMEDICAL COLLABORATIVE FOR EDUCATION & RESEARCH**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ 200,000	\$ 200,000	\$ 100,000
TRIF Revenue	-	-	-
<b>TOTAL REVENUE</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ -	\$ 9,189	\$ 19,909
ERE	-	1,802	3,982
All Other Operating	-	-	-
Subtotal Operating Budget	-	<b>10,991</b>	<b>23,891</b>
<b>GRANTS/PROJECTS</b>			
Ayers/Saint/Gross, Inc.	-	59,595	23,000
Ryden Architects, Inc.	-	-	53,109
Subtotal Grants/Projects	<b>200,000</b>	<b>59,595</b>	<b>76,109</b>
<b>TOTAL OPERATING BUDGET</b>	<b>200,000</b>	<b>70,586</b>	<b>100,000</b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES</b>	<b>\$ 200,000</b>	<b>\$ 70,586</b>	<b>\$ 100,000</b>

**FY 2003 INITIATIVE OVERVIEW**

Funding was provided for General Site Assessment Studies on three buildings owned and offered by the City of Phoenix, adjacent to the Translational Genomics Research Institute (TGen) site, for use by the Arizona Biomedical Collaborative for Education and Research (UA, ASU, and NAU).

**FY 2003 GOALS/OBJECTIVES**

Phase I tasks include (a) complete environmental assessments on three buildings (62,000 square feet); (b) site plans of areas surrounding buildings; (c) feasibility and estimated cost of renovation of the three buildings; and (d) preliminary programming of facilities.



**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
ARIZONA BIOMEDICAL COLLABORATIVE FOR EDUCATION & RESEARCH**

<b>FY 2003 PERFORMANCE MEASURES/DELIVERABLES</b>		<i>FY 2003 REVISED</i>	<i>FY 2003 ACTUAL</i>
	<b>Return on Investment</b>		
1.	Site analysis and cost estimate	Completed	90% complete
2.	Building utilization and occupants defined	Completed	75% complete
3.	Master Plan for site and adjacent ASU Downtown Center	Completed	Included in Phase II
	<b>Curriculum Innovations</b>		
4.	Potential for tri-university medical classes and research	TBD	In progress
	<b>Partnerships/Collaborations</b>		
5.	Collaborative effort with three universities	Completed	Ongoing

**FY 2003 RESULTS AND ACCOMPLISHMENTS**

Historic building condition assessment was 90% completed. New facility collaborative utilization plan was 75% completed.

**FY 2004 INITIATIVE OVERVIEW**

Funding will be provided for completion of General Site Assessment Studies on three ABC buildings.

**FY 2004 GOALS/OBJECTIVES**

Phase II will provide funding for additional planning for renovation of the three buildings, including:

1. Finalize Renovation Feasibility Study.
2. Finalize Tri-University Utilization of Site Study.
3. Identify funding sources for renovation and new construction.
4. Complete Master Plan for site and adjacent ASU Downtown Center.

***FY 2004***

<b>FY 2004 PERFORMANCE MEASURES/DELIVERABLES</b>		<i><b>PROJECTED</b></i>
	<b>Return on Investment</b>	
1.	Site analysis and cost estimate	Completed
2.	Building utilization and occupants defined	Completed
3.	Master Plan for site and adjacent ASU Downtown Center	Completed
	<b>Curriculum Innovations</b>	
4.	Potential for tri-university medical classes and research	Completed
	<b>Partnerships/Collaborations</b>	
5.	Collaborative effort with three universities	Ongoing

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
INFORMATION TECHNOLOGY COLLABORATIVE**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ 178,135	\$ 178,135	\$ 114,963
TRIF Revenue	161,865	155,082	65,037
<b>TOTAL REVENUE</b>	<b>\$ 340,000</b>	<b>\$ 333,217</b>	<b>\$ 180,000</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ -	\$ -	\$ -
ERE	-	-	-
All Other Operating	-	-	-
Subtotal Operating Budget	-	-	-
<b>GRANTS/PROJECTS</b>			
Security Assessment of Tri-University Network and Server Environment	-	100,000	-
Tri-University Business Continuity and Disaster Recovery Software Application	-	223,415	-
To be designated	-	-	180,000
Subtotal Grants/Projects	340,000	323,415	180,000
<b>TOTAL OPERATING BUDGET</b>	<b>340,000</b>	<b>323,415</b>	<b>180,000</b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES</b>	<b>\$ 340,000</b>	<b>\$ 323,415</b>	<b>\$ 180,000</b>

**FY 2003 INITIATIVE OVERVIEW**

The Arizona Auditor General has recommended that the Arizona Board of Regents exercise more oversight of university information technology. An IT project approval process and extensive reporting requirements for IT expenditures have recently been approved by the Regents. Of particular interest to the Regents are potential collaborative IT projects that can improve service and/or result in cost savings. Such projects need to be initially identified, their feasibility studied, and plans drawn up before they can be implemented.

Numerous possibilities exist for the efficient and effective use of seed money, including the use of consultants to develop an architecture for planning future IT development. Other examples include purchase of a Gigapop, a major telecommunications pipeline that networks the universities; contracting with a security consultant to evaluate the network security of the university system; and purchase of a disaster recovery software system.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
INFORMATION TECHNOLOGY COLLABORATIVE**

**FY 2003 GOALS/OBJECTIVES**

Obtain a consultant to conduct a security assessment of the three universities' network and server environments.  
Purchase and install a Business Continuity and Disaster Recovery Software application for the three universities.  
Approval for projects was received in late spring 2003 for FY 2003; with timeframe available, it was expected that project completion would overlap budget years.

<b><u>FY 2003 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>
	<b>Return on Investment</b>		
1.	Security Assessment: Develop, advise, evaluate and award RFP.	100%	90%
2.	Business Continuity & Disaster Recovery Plan: Production of a business continuity plan by each university. Contract for hardware and software.	100%	100%

**FY 2003 PARTNERSHIPS/COLLABORATIONS**

Both projects, Security Assessment and Business Continuity and Disaster Recovery Plan, are collaborative among the three universities.

**FY 2003 RESULTS AND ACCOMPLISHMENTS**

1. Security Assessment of Tri-University Network and Server Environment RFP has been completed and advertised. 26 bids were received and are being evaluated by a Tri-University team. A bid award is planned for the end of August 2003.
2. The Tri-University Business Continuity and Disaster Recovery software has been leased and delivered, staff training has been scheduled, and personnel engaged from each of the universities.

**FY 2004 INITIATIVE OVERVIEW**

The Arizona Auditor General has recommended that the Arizona Board of Regents exercise more oversight of university information technology. An IT project approval process and extensive reporting requirements for IT expenditures have been approved and implemented by the Regents. Of particular interest to the Regents are potential collaborative IT projects that can improve service and/or result in cost savings. Such projects need to be identified, their feasibility studied, and plans drawn up before they can be implemented.

Numerous possibilities exist for the efficient and effective use of seed money, including the use of consultants to develop an architecture for planning future IT development, expansion of a major telecommunications pipeline that networks the universities, and contracting with IT consultants.

**FY 2004 GOALS/OBJECTIVES**

Goals and objectives will be provided when final IT projects are selected.

<b><u>FY 2004 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i>PROJECTED</i>
	<b>Return on Investment</b>	
1.	Performance measures will be provided when final IT projects are selected.	
	<b>Partnerships/Collaborations</b>	
2.	Performance measures will be provided when final IT projects are selected.	

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
CHANGING DIRECTIONS**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 REV BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ -	\$ -	\$ -
TRIF Revenue	223,000	213,656	160,319
<b>TOTAL REVENUE</b>	<b>\$ 223,000</b>	<b>\$ 213,656</b>	<b>\$ 160,319</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ 9,200	\$ 9,325	\$ -
ERE	800	786	-
All Other Operating	2,000	2,015	-
Subtotal Operating Budget	<u>12,000</u>	<u>12,126</u>	<u>-</u>
<b>GRANTS/PROJECTS</b>			
Battelle Institute	-	107,000	-
To be designated	211,000	-	160,319
Subtotal Grants/Projects	<u>211,000</u>	<u>107,000</u>	<u>160,319</u>
<b>TOTAL OPERATING BUDGET</b>	<b><u>223,000</u></b>	<b><u>119,126</u></b>	<b><u>160,319</u></b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<u>-</u>	<u>-</u>	<u>-</u>
<b>TOTAL EXPENDITURES</b>	<b>\$ 223,000</b>	<b>\$ 119,126</b>	<b>\$ 160,319</b>

**FY 2003 INITIATIVE OVERVIEW**

The Board's Changing Directions initiative will likely result in the need for the central office and the universities to retool admission, tuition, financial aid, and reporting systems to implement recommendations. Grants could be made available to support these efforts.

The central office technology resources, both in hardware and personnel, are inadequate to support more robust functions and capabilities. Therefore, a grant in the amount of \$223,000 for a Collaborative Institutional Research Data System Upgrade is proposed for implementation in FY 2003. The current system is fragmented, using outdated technology resulting in inadequate reporting capabilities. At the same time, there is a growing need for more and better data to support decision-making and accountability.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
CHANGING DIRECTIONS**

1. Academic program reviews are now expected to provide outcomes and assessments.
2. ABOR needs to improve its ability to track students in regard to the workforce and accountability.
3. Changing Directions intends to allow greater differentiation among universities while ensuring that students have adequate access to programs. Tracking programs will need to be improved.
4. As more ARU programs go online, students and programs will need to be tracked and managed.

**FY 2003 GOALS/OBJECTIVES**

The objectives of this project are to develop a data warehouse environment to better manage information and to produce reports to serve Regents and the universities; to improve tracking of academic program information; to improve and expand reporting mechanisms; and to create infrastructure for ARU to provide critical central services. One- or two-year grants in subsequent years could support university projects to retool their systems. The proposed amount also includes staff support to implement the various projects and funding for meeting costs of groups such as the Business Advisory Team and the healthcare chief executive officers.

<b><u>FY 2003 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<b><i>REVISED</i></b>	<b><i>ACTUAL</i></b>
<b>Leveraging of Investment</b>			
1.	Department of Commerce support for Battelle Institute work.	TBD	\$400,000
<b>Workforce Contributions/Economic Development</b>			
2.	Address specific, designated labor market shortages, e.g., healthcare workers, teachers.	TBD	In Progress
<b>Partnerships/Collaborations</b>			
3.	Develop partnerships with other entities, e.g., other states, three universities, community colleges, and state agencies.	TBD	Ongoing, including partnership with Department of Commerce in Battelle work.

**FY 2003 RESULTS AND ACCOMPLISHMENTS**

The Changing Directions initiative has resulted in the need to significantly modify many internal processes. Among the accomplishments in the last year were:

1. Began a comprehensive review of central office computer technology and reporting systems both in terms of how they compare to systems existing in other states and how they fit into the reporting systems of the universities. Identified best practices among the states and began to develop an outline of where ABOR needs to invest its resources.
2. Began implementation of an Academic Program Inventory that provides a centralized catalog of all academic programs for the three universities and tracks their operation over time.
3. In cooperation with the Arizona Department of Commerce, engaged Battelle Institute to identify investment opportunities in advanced communications, information technology, and sustainable systems.
4. Working with the universities, have begun to identify accountability measures and develop reporting structures to support changes in Board policy and the devolution of authority to the universities to differentiate their programs.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2003 ACTUAL/FY 2004 BUDGET  
REGENTS INNOVATION FUND  
CHANGING DIRECTIONS**

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**FY 2004 INITIATIVE OVERVIEW**

Many of the objectives and accomplishments of FY 2003 will continue into FY 2004. Among the principal activities will be:

1. Continue the comprehensive review and development of a plan to improve the reporting mechanisms of the central office.
2. Depending on the needs of the universities, provide resources to the universities to retool admission, tuition, financial aid, and other reporting systems to meet the needs of Regents and the public as identified through Changing Directions.
3. Implement the Academic Program Inventory system for tracking and reporting purposes.
4. Receive, review, and implement recommendations in Battelle Institute work.

<b><u>FY 2004 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i><b>FY 2004 PROJECTED</b></i>
	<b>Leveraging of Investment</b>	
1.	Will use these dollars to leverage investments made by the universities or in other states.	Completed
	<b>Partnerships/Collaborations</b>	
2.	Build partnerships with other system developers.	Completed

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2004 BUDGET  
REGENTS INNOVATION FUND  
EXPANSION OF NURSING PROGRAMS**

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	<i>FY 2004 BUDGET</i>
<b>REVENUE</b>	
Carry Forward	\$ -
TRIF Revenue	100,000
<b>TOTAL REVENUE</b>	<b>\$ 100,000</b>
<b>EXPENDITURES</b>	
OPERATING BUDGET	
Personal Services	\$ -
ERE	-
All Other Operating	-
Subtotal Operating Budget	-
GRANTS/PROJECTS	
To be designated (to universities)	100,000
Subtotal Grants/Projects	<b>100,000</b>
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 100,000</b>
CAPITAL BUDGET	
Building Renovation	-
Debt Service	-
<b>TOTAL CAPITAL BUDGET</b>	-
 <b>TOTAL EXPENDITURES</b>	 <b>\$ 100,000</b>

**FY 2004 INITIATIVE OVERVIEW**

Arizona's universities and community colleges were directed by SB 1260 to double the number of students in Registered Nursing (RN) programs by 2007. This will take a combination of funds from private, public, and university sources. These Regents Innovation Funds will support this collaborative effort.

The Legislature provided no funding in FY 2004 for expansion of nursing programs. The universities are making internal reallocations to the extent possible under existing budget constraints. In addition, a number of private sector partnerships have been established, most notably the University of Arizona's partnerships with University Medical Center and Carondelet Health Network to implement a 14-month accelerated BSN program. The Governor's Council on Workforce Policy will award a \$505,623 grant to the universities to expand RN programs. This grant will require matching funds.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2004 BUDGET  
REGENTS INNOVATION FUND  
EXPANSION OF NURSING PROGRAMS**

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**FY 2004 GOALS/OBJECTIVES**

Expand registered nursing programs at Arizona's public universities. Provide \$1.00 of matching money for every \$5.00 of grant funds available to a university.

<b><u>FY 2004 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i>FY 2004 PROJECTED</i>
	<b>Leveraging of Investment</b>	
1.	External funds leveraged.	\$500,000
	<b>Curriculum Innovations</b>	
2.	Develop accelerated BSN curricula.	100% complete
	<b>Workforce Development</b>	
3.	Expand RN programs by 8 percent.	8% program expansion
	<b>Partnerships/Collaborations</b>	
4.	Collaborate with universities, community colleges, hospitals, and Arizona Hospital and Healthcare Association to develop comprehensive plan responsive to SB 1260.	100% complete



**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2004 BUDGET  
REGENTS INNOVATION FUND  
TRIF PROGRAM EVALUATION**

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		<i>FY 2004 BUDGET</i>
<b>REVENUE</b>		
Carry Forward	\$	-
TRIF Revenue		125,000
<b>TOTAL REVENUE</b>	<b>\$</b>	<b>125,000</b>
<b>EXPENDITURES</b>		
<b>OPERATING BUDGET</b>		
Personal Services	\$	-
ERE		-
All Other Operating		-
Subtotal Operating Budget		-
<b>GRANTS/PROJECTS</b>		
External consultant		125,000
Subtotal Grants/Projects		<b>125,000</b>
<b>TOTAL OPERATING BUDGET</b>		<b>125,000</b>
<b>CAPITAL BUDGET</b>		
Building Renovation		-
Debt Service		-
<b>TOTAL CAPITAL BUDGET</b>		-
<b>TOTAL EXPENDITURES</b>	<b>\$</b>	<b>125,000</b>

**FY 2004 INITIATIVE OVERVIEW**

It is the intent of the Regents that the TRIF initiatives be evaluated during FY 2004, the third year of the TRIF program, to provide direction for possible reallocation of funds in years four (FY 2005) and five (FY 2006) of the five-year budget cycle and to help inform development of the next five-year cycle. This funding will provide for engaging the services of an external, independent consultant to perform this work. Relevant work performed by the Morrison Institute at ASU, the Office of Economic Development at UA, and the Battelle Institute will help shape the evaluation.

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2004 BUDGET  
REGENTS INNOVATION FUND  
TRIF PROGRAM EVALUATION**

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**FY 2004 GOALS/OBJECTIVES**

1. Form steering committee to oversee evaluation.
2. Issue request for proposals (RFP).
3. Select and engage external consultant.
4. Receive and review final report.
5. Implement any needed modifications to budgeted FY 2005 and FY 2006 TRIF programs.
6. Use final report to aid in development of proposed FY 2007-FY 2011 TRIF budget.

<b><u>FY 2004 PERFORMANCE MEASURES/DELIVERABLES</u></b>		<i>FY 2004 PROJECTED</i>
<b>Return on Investment</b>		
1.	Evaluation report from external consultant.	Completed
<b>Curriculum Innovations</b>		
2.	To be determined on review of final report.	TBD
<b>Partnerships/Collaborations</b>		
3.	Collaborative evaluation effort with three universities.	Completed

**ABOR CENTRAL OFFICE  
TECHNOLOGY AND RESEARCH INITIATIVE FUND (TRIF)  
FY 2004 BUDGET  
REGENTS INNOVATION FUND  
OPERATING**

	<i>FY 2003 REV BUDGET</i>	<i>FY 2003 ACTUAL</i>	<i>FY 2004 BUDGET</i>
<b>REVENUE</b>			
Carry Forward	\$ -	\$ -	\$ -
TRIF Revenue	30,635	29,351	33,144
<b>TOTAL REVENUE</b>	<b>\$ 30,635</b>	<b>\$ 29,351</b>	<b>\$ 33,144</b>
<b>EXPENDITURES</b>			
<b>OPERATING BUDGET</b>			
Personal Services	\$ 25,100	\$ 19,000	\$ 26,565
ERE	5,000	4,030	5,579
All Other Operating	535	38	1,000
Subtotal Operating Budget	<b>\$ 30,635</b>	<b>\$ 23,068</b>	<b>\$ 33,144</b>
<b>GRANTS/PROJECTS</b>			
To be designated	-	-	-
Subtotal Grants/Projects	-	-	-
<b>TOTAL OPERATING BUDGET</b>	<b>\$ 30,635</b>	<b>\$ 23,068</b>	<b>\$ 33,144</b>
<b>CAPITAL BUDGET</b>			
Building Renovation	-	-	-
Debt Service	-	-	-
<b>TOTAL CAPITAL BUDGET</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL EXPENDITURES</b>	<b>\$ 30,635</b>	<b>\$ 23,068</b>	<b>\$ 33,144</b>

**FY 2003 INITIATIVE OVERVIEW**

The Operating budget supports implementation of Regents Innovation Fund projects, as well as the system's TRIF fund, including system budget preparation, accounting, and reporting functions.

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## **APPENDIX**

### **Arizona Board of Regents Policy 3-412**

Policy Number: 3-412	Policy Name: Administration of Technology and Research Initiative Fund
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### 3-412 Administration of Technology and Research Initiative Fund

#### A. Authority

As authorized by Proposition 301 approved by the voters in November 2000, the Board shall establish and administer a technology and research initiative fund (TRIF), beginning July 1, 2001. The TRIF will consist of sales tax revenues generated through Proposition 301 and other private or public sources of funding which are received by the Board for purposes which are consistent with the proposed uses described herein.

#### B. Funding Criteria

The TRIF will be used to support projects and initiatives that meet one or more of the following criteria:

1. Promote university research, development and technology transfer related to the knowledge based global economy;
2. Expand access to baccalaureate or post-baccalaureate education for time-bound and place-bound students;
3. Implement final recommendations from the Governor's Task Force on Higher Education and/or the Arizona Partnership for the New Economy.
4. Develop programs that will prepare students to contribute in high technology industries located in Arizona.

#### C. Calendar and Guidelines

The Board shall establish an annual calendar for the allocation of Proposition 301 funding, including guidelines for the submission and evaluation of proposals, and final decisions by the Board. The calendar will incorporate a process to receive and consider input from the Arizona Partnership for the New Economy (APNE) or a successor agency as may be designated by the Governor.

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#### D. Formats for Submission of Proposals

Funding requests shall be submitted by the university Presidents, or prepared by the Central Office on behalf of the Board, in a format to be approved by the Executive Director, to include the following elements: A description of the proposed need, purpose and goals for each proposed project or activity, an explanation as to the ways in which the project promotes the purposes of the legislation, and/or an explanation of the relationship of the proposed project or activity to the foundation or clusters which are part of the state's overall economic development program;

1. The requested duration of the proposed project or activity;
2. Proposed detailed performance measures, desired outcomes, and proposed methodology for evaluating progress in attaining the desired outcomes; and
3. A detailed budget for each proposed project or activity, including the identification of funds which are intended to be either continuing, multi-year, or one time only.

#### E. Special Factors

The Board shall take into account several additional factors in determining its allocations from this fund:

1. Priority shall be given to proposals that involve collaboration between and among the universities and/or collaboration with private industry or public sector agencies.
2. The Board may authorize awards for an annual or multi-year basis, but in no event will the Board make an award on a multi-year basis without incorporating specific requirements regarding periodic review and assessment or progress in implementing the proposed project or activity and in attaining the desired outcomes.
3. Funding may be used to pay salaries only for persons directly involved in projects or activities funded under this program that would otherwise not be funded through general fund appropriations.

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4. The Board may allocate up to 20% of annual funding for capital projects relating to new economy initiatives, including the payment of debt service; capital projects must be clearly identified with each university's submission of proposals.
5. The Board will honor the legislative intent as described in Proposition 301 that a portion of the revenues in the fund shall be allocated on an annual basis to pay Certificates of Participation costs for lease-purchase of buildings and associated infrastructure at ASU East and West campuses.