



Monthly Analysis: A Strategic Link to Operational Forecasting

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Operational forecasting provides both a "nowcast" and "forecast" – financial predictions of the future.

Adds value...

- □ to your process of budget management;
- for increased financial insight to both historical and current budget year performance;
- for improved administrative decision making and board level governance;
- for variance analysis based on historical trends;
- for better accuracy of your forward looking assumptions.



Multi-year Operational Forecasting

Historical Analysis - "Trend" **Current Year Budget** France in the Forecast



Historical Actuals (Rev./Exp. Monthly/Annual Totals)

Current **Budget** Year

Multi-year Forecast (defined assumptions for future Rev./Exp.)

2013 2014 2015 2016 2011 2018 2019 2010 2011 2012 2013

Breaking Down a Multi-Year Projection



Historical Performance (Prior Years)

Measurement of performance Informs future assumptions



Budgetary Level Accuracy (Current Year, Years 1 & 2)

Executable budget template

Rev./Exp. variables known

Early Warnin

(Year 3)

Inflection point for change decision **Directional** (Years 4 &

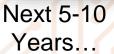
Evaluate overall financial trend – "How the math will

-Decision/Analysis Bands-



What about the long-term plans?







Strategic Forecasting for Advocacy Budgetary Level Accuracy (Current Year, Years 1 Early Warnin g (Year 3)

Directional (Years 4 & Long-Term (Years 6+) Capital

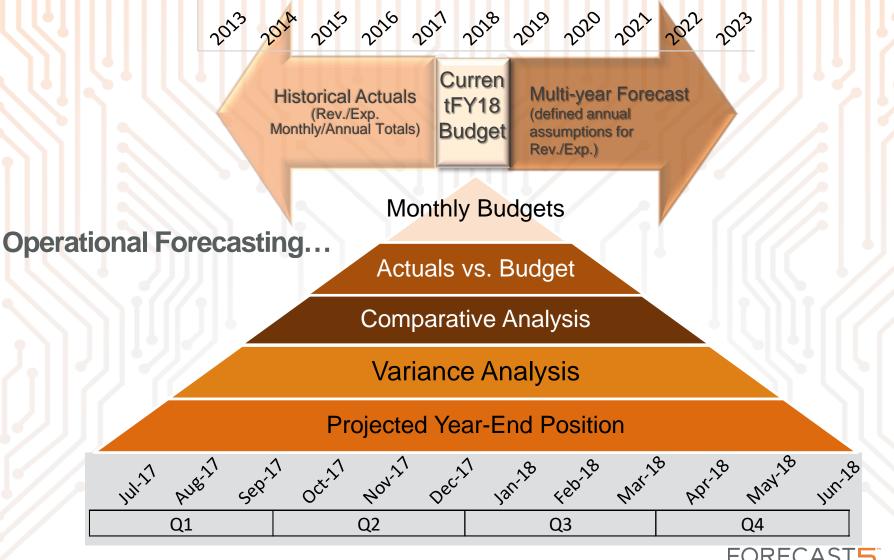
Best – Educated Estimates for Key Revenue/Expenses; Funding

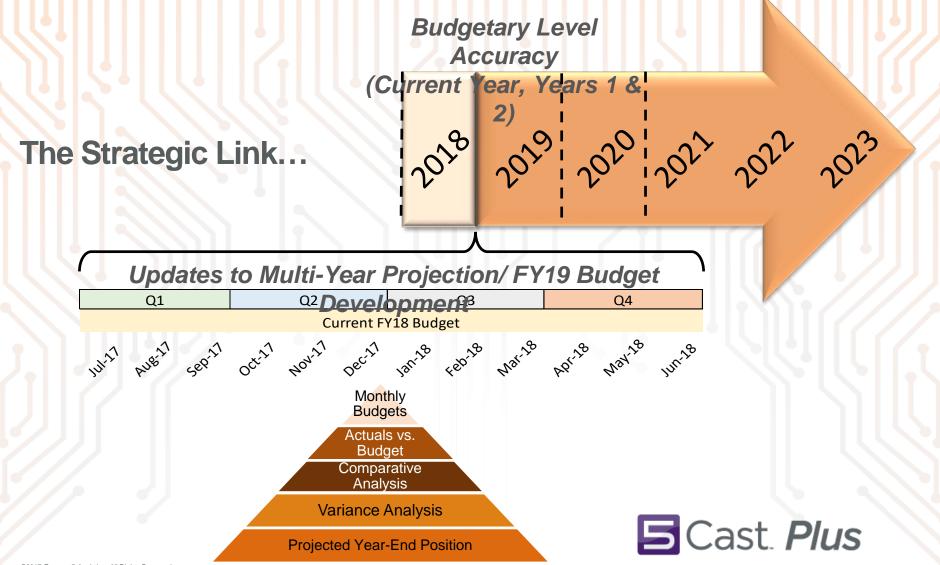
Considerations

Decision Band Approach – Establish Ranges for "What if" scenarios

Organizational Vision Statement/Position – "Where we want to go"

<u>Financial Gap Analysis</u> – "We need \$___ to support the visionary level of programming and services; Communication Tool for Stakeholders; potential infrastructure/staffing requirements





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Monthly Budgets

- Create monthly budgets based on historical trends (Actuals/% of Total Monthly Average)
- Analyze historic trends and correlations between financial and operating data. Do revenue/expenditures tend to vary with the level of economic activity (CPI) or are they independent of the business cycles?

5 Years of historic data – recognition of anomalous events/patterns – exponential smoothing

of trend %

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Highlight months to be excluded Highlighted amounts will						13.10.10.10.10.10.10.10.10.10.10.10.10.10.	. If all months are	highlighted, the	program will as	sume \$0.	
Detail Object	Fiscal	July	August	Septem	October .	Novemb	Decemb	January	February	March	April
6118 Salaries - Profess	2012-13	\$663,929.49	\$1,014,344.74	\$4,270,009.53	\$4,265,939.84	\$4,256,657.65	\$4,260,111.34	\$4,262,214.23	\$4,237,092.03	\$4,248,676.12	\$4,248,347.46
	2013-14	\$706,468.38	\$1,029,585.45	\$4,652,099.60	\$4,631,142.86	\$4,622,803.74	\$4,638,375.61	\$4,618,600.89	\$4,585,340.96	\$4,572,319.37	\$4,573,625.89
	2014-15	\$692,942.39	\$1,077,939.46	\$4,910,326.90	\$4,845,130.03	\$4,851,794.82	\$4,859,246.13	\$4,873,203.64	\$4,847,264.40	\$4,827,814.41	\$4,833,363.37
	2015-16	\$781,511.80	\$1,182,280.56	\$5,203,260.08	\$5,161,326.70	\$5,170,718.43	\$5,150,654.11	\$5,156,173.46	\$5,150,066.87	\$5,123,352.64	\$5,109,822.82
	2016-17	\$794,810.03	\$1,186,890.30	\$5,721,787.69	\$5,620,690.80	\$5,614,467.79	\$5,623,164.61	\$5,589,375.82	\$5,583,134.46	\$5,555,579.79	\$5,551,423.91
		1.24%	1.87%	8.44%	8.37%	8.36%	8.37%	8.36%	8.32%	8.3%	8.299



Actuals vs. Budget

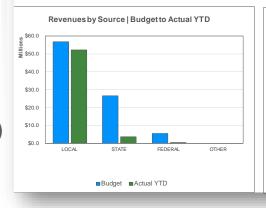
Monthly Financial Reporting

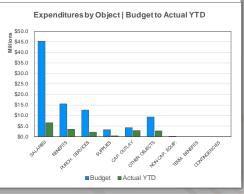
- Show progress in implementing the budget
- Current month performance (MTD)
- Year To Date (YTD)
- Budget/Actual % YTD
- Setting the standard (Budget/arbitrary)
- Prior Year Actuals to Budget

All Funds | Financial Summary

For the Period Ending September 30, 2016

	Actual MTD	Actual YTD	Annual Budget	Budget / Actual % YTD	Variance Favorable / (Unfavorable)
REVENUES	Actual WID	Actual YID	Annual Budget	Budget / Actual % 11D	/ (Untavorable)
Local	\$21,893,866	\$52,135,653	\$56,776,383	91.83%	(\$4,640,73
State	\$1,908,131	\$3.741.708	\$26,686,710	14.02%	(\$22.945.00
Federal	\$404,998	\$449.302	\$5,618,290	8.00%	(\$5,168,98
	\$404,996	\$449,302	\$3,616,290	8.00%	(\$5,106,96
Other	\$24,206,995	\$56,326,663	\$89,081,383	63,23%	(\$32,754,72
TOTAL NEVEROL	+= 1,===,===	***************************************	***************************************		(****,***,***
EXPENDITURES					
Salaries	\$3,649,366	\$6,538,146	\$45,273,594	14.44%	\$38,735,44
Benefits	\$1,621,350	\$3,383,634	\$15,572,416	21.73%	\$12,188,78
Purchased Services	\$1,062,080	\$2,109,782	\$12,528,234	16.84%	\$10,418,4
Supplies And Materials	\$273,946	\$429,915	\$3,277,555	13.12%	\$2,847,64
Capital Outlay	\$1,477,248	\$2,926,768	\$4,268,403	68.57%	\$1,341,63
Other Objects	\$203,112	\$2,678,846	\$9,384,496	28.55%	\$6,705,68
Non-Capitalized Equipment	\$0	\$0	\$4,820	0.00%	\$4,82
Termination Benefits	\$0	\$0	\$0		
Provision For Contingencies	\$0	\$0	\$0		
TOTAL EXPENDITURES	\$8,287,101	\$18,067,091	\$90,309,518	20.01%	\$72,242,42
SURPLUS / (DEFICIT)	\$15,919,894	\$38,259,572	(\$1,228,135)		
	\$0	\$0	\$0		
Other Financing Sources Other Financing Uses		\$0 \$4.818			
Other Financing Uses	\$0	\$4,818	\$124,635		
ENDING FUND BALANCE		\$61,650,662			





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Comparative Analysis

	FYTD Current Budget 2017	Current Month 2016-09	Actual YTD FY2017	Budget / Actual % YTD	Prior Year Actual YTD FY2016	Prior Year % YTD	Actual / Prior Year % YTD
REVENUES							
Local	\$56,776,383	\$21,893,866	\$52,135,653	91.83%	\$50,796,921	92.27%	2.64%
State	\$26,686,710	\$1,908,131	\$3,741,708	14.02%	\$3,222,262	13.43%	16.12%
Federal	\$5,618,290	\$404,998	\$449,302	8.00%	\$97,406	1.62%	361.27%
Other	\$0	\$0	\$0		\$0		
TOTAL REVENUE	\$89,081,383	\$24,206,995	\$56,326,663	63.23%	\$54,116,589	58.34%	4.08%
EXPENDITURES							
Salaries	\$45,273,594	\$3,649,366	\$6,538,146	14.44%	\$6,467,149	14.79%	1.10%
Benefits	\$15,572,416	\$1,621,350	\$3,383,634	21.73%	\$2,880,383	20.22%	17.47%
Purchased Services	\$12,528,234	\$1,062,080	\$2,109,782	16.84%	\$1,495,200	13.16%	41.10%
Supplies And Materials	\$3,277,555	\$273,946	\$429,915	13.12%	\$605,161	17.94%	(28.96%)
Capital Outlay	\$4,268,403	\$1,477,248	\$2,926,768	68.57%	\$1,381,558	53.77%	111.85%
Other Objects	\$9,384,496	\$203,112	\$2,678,846	28.55%	\$2,797,950	29.18%	(4.26%)
Non-Capitalized Equipment	\$4,820	\$0	\$0	0.00%	\$0		
Termination Benefits	\$0	\$0	\$0		\$0		
Provision For Contingencies	\$0	\$0	\$0		\$0		
TOTAL EXPENDITURES	\$90,309,518	\$8,287,101	\$18,067,091	20.01%	\$15,627,400	18.41%	15.61%

Monthly Financial Reporting

- Comparing your data against target goals is best practice
- Comparison Monthly/Annual Budget (Trend) to Actual
- Multi-year (YOY, YTD)
- Policy Board financial policies being followed?
- Monthly Exec. Summary/Analysis Explanation to Variances





Expenses - Monthly (By Object) Total Annual Budget Object Projected Variance Expenses - Monthly \$91,229,450 \$90,434,153 \$795,296 100 Salaries \$45,565,712 \$45,273,594 \$292,119 \$15,528,517 200 Employee Benefits \$15,572,416 \$-43,899 300 Purchased Services \$12,903,616 \$12,528,234 \$375,382 400 Supplies & Materials \$3,277,555 \$2.839.744 \$-437.812 500 Capital Outlav \$4.863.231 \$4.268.403 \$594.828

Variance Analysis

- Indicator of our performance against the yearly plan
- Helps the user to more accurately measure financial performance and proactively identify <u>potential future</u> budget variances
- Helps maintain control over expenses by monitoring planned vs. actual costs.
- Opportunity to reallocate current year funds for other initiatives
- Creates year-end estimates and measures projected year-end variances vs. budget

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Variance Analysis

Questions to answer:

How are we doing so far in the current year?

Are we on track to meet our yearly goals (Budget)?

• Monthly accounting close process must identify all significant variances to the plan using preset thresholds (\$ or %)

Detail Object

1000 SALARIES

1140 AIDES

1130 SALARIES-OTHER

1270 SUBSTITUTES 1272 FLOATING SUB TEACHER

2000 BENEFITS 2100 FEDERAL PENSION

1100 REGULAR SALARIES

2110 TEACHER RETIREMENT

3190 PURCHASED SERVICES

4100 PURCHASED-SUPPLIES

5400 PURCHASED-EQUIPMENT

1110 SALARIES-ADMINISTRATIVE

1150 SALARIES-CLERICAL STAFF

1200 TEMPORARY SALARIES

2200 BENEFIT-INSURANCE

1120 REGULAR SALARIES-PROFESSIONAL

1280 HOMEBOUNDHOSP, TUTOR-TEACHER

Useful for understanding variance causes, impacts, and effective action.
 (The "What" – What happened? The "Why" – Why did it happen?



Expenditures Monthly Dashboard: 10 Educational

Base Upload Scenario - Actuals/Projected

393,482

558.485

117.026

323.520

10.263

387.666

142.346

2.141

42.120

1.045

27,988

526,370

2,413,105

16.303

6.058

2016-09 Actual 2016-09 Trend % Change

423,153

207.723

103.193

51.097

8.777

9.815

384.970

142.543

2.448

58.699

25.163

33,208 **541,795**

512

311.666

2.503.784

Favorable ↑/Unfavorable ↓

0.00%

-7.01%

13.40%

0.70%

-12.55%

0.00%



Projected Year-End Position

Statement of Revenues, Expenditures, Other Financing Sources (Uses)

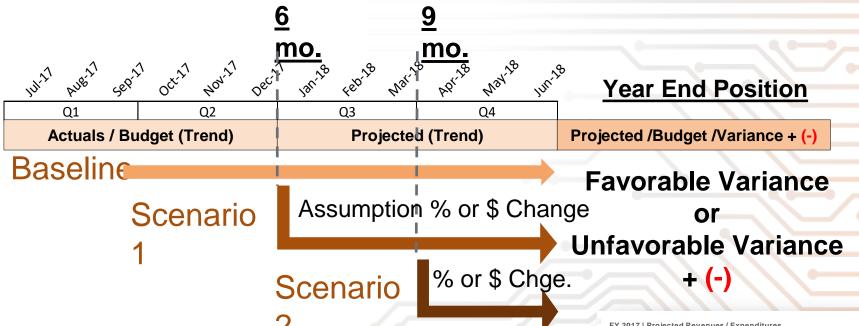
For the Period Ending September 30, 2016 All Funds Summary - Annual Forecast

					Variance	FY2017 Forecast as % of
	YTD Actual FY2017	Add: Projections	Total FY2017 Forecast	Annual Budget FY2017	Favorable/(Unfavorable)	Budget
REVENUES		,			· · · · · · · · · · · · · · · · · · ·	
Local	\$52,135,653	\$5,390,930	\$57,526,583	\$56,776,383	\$750,199	101.32%
State	\$3,741,708	\$23,090,446	\$26,832,154	\$26,686,710	\$145,444	100.55%
Federal	\$449,302	\$5,421,669	\$5,870,972	\$5,618,290	\$252,682	104.50%
Other	\$0	\$0	\$0	\$0	\$0	
TOTAL REVENUE	\$56,326,663	\$33,903,045	\$90,229,708	\$89,081,383	\$1,148,325	101.29%
EXPENDITURES						
Salaries	\$6,538,146	\$39,027,566	\$45,565,712	\$45,273,594	(\$292,118)	100.65%
Benefits	\$3,383,634	\$12,144,883	\$15,528,517	\$15,572,416	\$43,899	99.72%
Purchased Services	\$2,109,782	\$10,793,834	\$12,903,616	\$12,528,234	(\$375,382)	103.00%
Supplies And Materials	\$429,915	\$2,409,829	\$2,839,744	\$3,277,555	\$437,812	86.64%
Capital Outlay	\$2,926,768	\$1,936,463	\$4,863,231	\$4,268,403	(\$594,828)	113.94%
Other Objects	\$2,678,846	\$6,719,612	\$9,398,457	\$9,384,496	(\$13,961)	100.15%
Non-Capitalized Equipment	\$0	\$4,583	\$4,583	\$4,820	\$237	95.09%
Termination Benefits	\$0	\$0	\$0	\$0	\$0	
Provision For Contingencies	\$0	\$0	\$0	\$0	\$0	
TOTAL EXPENDITURES	\$18,067,091	\$73,036,769	\$91,103,860	\$90,309,518	(\$794,342)	100.88%
SURPLUS / (DEFICIT)	\$38,259,572	(\$39,133,724)	(\$874,152)	(\$1,228,135)		
Other Financing Sources	\$0	\$0	\$0	\$0	\$0	
Other Financing Uses	\$4,818	\$120,772	\$125,589	\$124,635	(\$954)	
			, ,,,,,	, ,,,,,	(***)	
ENDING FUND BALANCE	\$84,687,721		\$45,433,226	\$45,080,197		

Variances between planned and actual revenue/expenditures might lead to opportunities for adjusting (re-forecasting) targets, objectives or strategies.

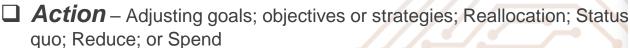


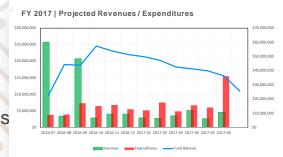
Monthly Re-Forecasting - (Scenario – "What If" Analysis)











Statement of Revenues, Expenditures, Other Financing Sources (Uses)

For the Period Ending September 30, 2016

All Funds Summary

(With Comparative Totals For the Period Ended July, 2015 - September, 2015)

									Remaining Balance		
	FYTD Current Budget 2017	Current Month 2016-09	Actual YTD FY2017	Budget / Actual % YTD	Prior Year Actual YTD FY2016	Prior Year % YTD	Actual / Prior Year % YTD	Balance (Budget/Actual)	(Based on Historical Trend)	FYTD Projected	Variance \$+(-)
REVENUES	Dadget 2017	2010 05	Aotaar 1151 12017	70 11 15	115112010	70115	1041 701115	(Sudget/Notadi)	Thistorical Trendy	1115110,0000	variation \$ 1()
Local	\$56,776,383	\$21,893,866	\$52,135,653	91.83%	\$50,796,921	92.27%	2.64%	\$4,640,731	\$5,390,930	\$57,526,583	\$750,199
State	\$26,686,710	\$1,908,131	\$3,741,708	14.02%	\$3,222,262	13.43%	16.12%	\$22,945,002	\$23,090,446	\$26,832,154	\$145,444
Federal	\$5,618,290	\$404,998	\$449,302	8.00%	\$97,406	1.62%	361.27%	\$5,168,988	\$5,421,669	\$5,870,972	\$252,682
Other	\$0	\$0	\$0		\$0			\$0	\$0	\$0	\$0
TOTAL REVENUE	\$89,081,383	\$24,206,995	\$56,326,663	63.23%	\$54,116,589	58.34%	4.08%	\$32,754,720	\$33,903,045	\$90,229,708	\$1,148,325
Ī											
EXPENDITURES											
Salaries	\$45,273,594	\$3,649,366	\$6,538,146	14.44%	\$6,467,149	14.79%	1.10%	\$38,735,447	\$39,027,566	\$45,565,712	(\$292,119)
Benefits	\$15,572,416	\$1,621,350	\$3,383,634	21.73%	\$2,880,383	20.22%	17.47%	\$12,188,782	\$12,144,883	\$15,528,517	\$43,899
Purchased Services	\$12,528,234	\$1,062,080	\$2,109,782	16.84%	\$1,495,200	13.16%	41.10%	\$10,418,452	\$10,793,834	\$12,903,616	(\$375,382)
Supplies And Materials	\$3,277,555	\$273,946	\$429,915	13.12%	\$605,161	17.94%	(28.96%)	\$2,847,641	\$2,409,829	\$2,839,744	\$437,812
Capital Outlay	\$4,268,403	\$1,477,248	\$2,926,768	68.57%	\$1,381,558	53.77%	111.85%	\$1,341,635	\$1,936,463	\$4,863,231	(\$594,828)
Other Objects	\$9,384,496	\$203,112	\$2,678,846	28.55%	\$2,797,950	29.18%	(4.26%)	\$6,705,650	\$6,719,612	\$9,398,457	(\$13,962)
Non-Capitalized Equipment	\$4,820	\$0	\$0	0.00%	\$0			\$4,820	\$4,583	\$4,583	\$237
Termination Benefits	\$0	\$0	\$0		\$0			\$0	\$0	\$0	\$0
Provision For Contingencies	\$0	\$0	\$0		\$0			\$0	\$0	\$0	\$0
TOTAL EXPENDITURES	\$90,309,518	\$8,287,101	\$18,067,091	20.01%	\$15,627,400	18.41%	15.61%	\$72,242,427	\$73,036,769	\$91,103,860	(\$794,342)
SURPLUS / (DEFICIT)	(\$1,228,135)	\$15,919,894	\$38,259,572		\$38,489,189					(\$874.152)	

Monthly Performance Reporting

Budget Performance Analysis

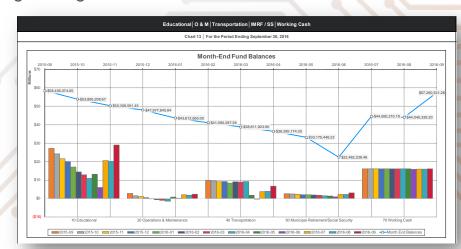
- Budget to Actual meeting or exceeding expectations?
- Identify opportunities for reallocation or funding strategic initiatives

Automated Reporting

- Time Savings
- Consistent views in Board-ready format

Cash Flow Analysis

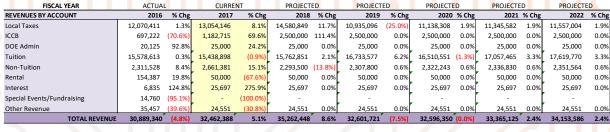
- Impact on investment planning
- Tracking key revenue receipts



OPERATING FUNDS SUMMARY For the Fiscal Year Periods 2016 -- 2022



Strategic Projections – Communications Tool

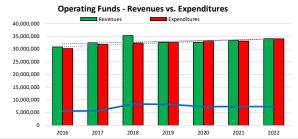


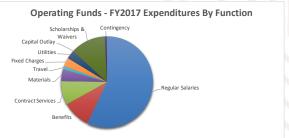
EXPENDITURES BY ACCOUNT	2016	% Chg	2017	% Chg	2018	% Chg	2019	% Chg	2020	% Chg	2021	% Chg	2022	% Chg
Regular Salaries	18,407,477	(1.0%)	18,157,089	(1.4%)	18,785,376	3.5%	19,265,933	2.6%	19,555,822	1.5%	19,060,088	(2.5%)	19,479,228	2.2%
Benefits	3,189,618	5.9%	3,135,327	(1.7%)	2,852,794	(9.0%)	2,962,884	3.9%	3,111,028	5.0%	3,215,580	3.4%	3,429,909	6.7%
Contract Services	2,404,220	(2.0%)	2,668,453	11.0%	2,695,138	1.0%	2,722,089	1.0%	2,749,310	1.0%	2,776,803	1.0%	2,804,571	1.0%
Materials	1,145,319	(26.0%)	1,341,851	17.2%	1,361,825	1.5%	1,382,199	1.5%	1,402,979	1.5%	1,424,176	1.5%	1,445,796	1.5%
Travel	249,004	(40.1%)	363,948	46.2%	363,948	0.0%	363,948	0.0%	363,948	0.0%	363,948	0.0%	363,948	0.0%
Fixed Charges	518,699	(4.9%)	974,930	88.0%	1,048,930	7.6%	1,070,239	2.0%	1,172,239	9.5%	1,176,239	0.3%	1,180,739	0.4%
Utilities	809,721	(2.1%)	985,085	21.7%	994,928	1.0%	1,004,870	1.0%	1,014,911	1.0%	1,025,052	1.0%	1,035,295	1.0%
Capital Outlay	0		0		250,000		0	(100.0%)	0		100,000		60,000	(40.0%)
Scholarships & Waivers	3,466,257	(15.9%)	3,929,837	13.4%	3,498,639	(11.0%)	3,582,257	2.4%	3,667,872	2.4%	3,792,213	3.4%	3,920,769	3.4%
Contingency	0		265,895		500,000	88.0%	250,000	(50.0%)	250,000	0.0%	250,000	0.0%	250,000	0.0%
TOTAL EXPENDITURES	30,190,316	(4.2%)	31,822,415	5.4%	32,351,578	1.7%	32,604,418	0.8%	33,288,109	2.1%	33,184,098	(0.3%)	33,970,255	2.4%

TRANSFERS IN	9,579	11,700	11,700	11,700	11,700	11,700	11,700
TRANSFERS OUT	519,144	508,232	190,758	190,758	190,758	190,758	190,758
SURPLUS/(DEFICIT)	189,459	143,441	2,731,812	(181,755)	(870,818)	1,968	4,273

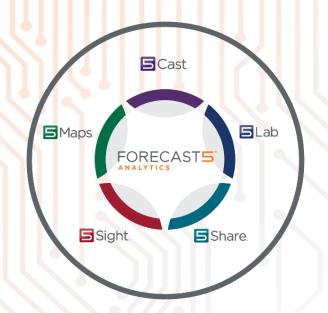
ENDING FUND BALANCE	5,560,706	5,704,147	8,435,959	8,254,204	7,383,386	7,385,355	7,389,628
FUND BALANCE - % of EXPENDITURES	18.4%	17.9%	26.1%	25.3%	22.2%	22.3%	21.8%
FUND BALANCE - # OF MONTHS OF							
EXP.	2.2	2.2	3.1	3.0	2.7	2.7	2.6







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