



eCAMPUS-BASED PROGRAMS' SYSTEM

PHASE II BUSINESS CASE

SFA Modernization Partner



eCampus-Based System:

Benefits

The Campus-Based user community comments on a few of the benefits of the eCampus-Based (eCB) System:

On-line transaction processing

“The Title IV WAN transaction process is burdensome, but if it is going to go web then our transmission issues are moot.”

-Rachael Lohman

Director of Financial Aid, Wilkes University

National Chairman, NASFAA

Real-Time FISAP response

“Web submission will be much better since we will receive a quicker response. It also requires less time spent on technical issues since we wouldn't have to update the software ourselves. That would be ED's job.”

– Lisa Koretoff

Director of Financial Aid, Guilford Technical Community College

Coordination with COD

“Everyone dislikes the grids on the FISAP. It requires an enormous amount of coordination from various departments on campus and it is very time consuming.”

-Deborah Tollefson

Director of Financial Aid, UNC at Greensboro



eCampus-Based System :

Overview

What are the benefits of the eCB System?

- Tombstones the current CB System which lacks the capability to connect with the EAI bus, does not have the functionality to interface with other SFA modernized systems, and does not comply with SFA Standard Architecture guidelines
- Integrates with other modernization projects identifying complimentary functions and re-usable components (FMS reporting, COD pre-populating FISAP, common institution and SFA web panels)
- Increases customer satisfaction with new self-service capabilities, an alternative FISAP submission process, electronic award information, edit messages, and tracking dates
- Decreases processing time (5 days to real-time editing), enables institutions and servicers to sequence the FISAP process, and allows for the pre-population of FISAP grids
- Facilitates the challenge to recruit and retain employees with new “State of the Art Technology” and a more streamlined business process



eCampus-Based System:

Concerns Addressed

Phase I of the CB Modernization addressed the following concerns

When we met, your concerns were:

- Are there opportunities to reduce the cost for this initiative?
- Could a COBOL translator expedite the code conversion process and reduce cost?
- Is there a need to have a CB System outside of COD?

Since that time, we have:

- **Reduced development (net of design) cost estimate** from \$3.8m to \$3.26m (-14%)
- **Determined that a COBOL translator** is not a viable tool for the CB Modernization
- **Coordinated with COD** and determined that a separate CB System is necessary and would:
 - Administer CB Program application and allocation processes
 - Utilize COD's detailed student records as a mechanism to pre-populate the FISAP



eCampus-Based System: Phase I Results

In Phase 1 we were tasked with gaining a deeper understanding of the effort required to implement the Modernized CB System.

- **Gathered and Validated Functional Requirements**

- Met with NCS, UAL and CB staff to capture current knowledge, understand current processes and revalidate functional requirements from the “Mad Puppy”

- **Web Front-End Design**

- Leveraged COD Schools focus group to demonstrate FISAP on the web navigation and incorporated end user feedback into the design

The screenshot shows the 'Campus-Based Program Funding - FISAP' web application. The page title is '... Fiscal Operations Report & Application to Participate'. The main content area is titled 'Identifying Information, Certifications & Warnings - Page 1 of 2'. It contains several sections: 'A. Identifying Information' with sub-sections '1a. Name and Address of Institution' and '1b. Name and Address of Institution (if different than 1a)'. There are input fields for 'Name', 'Address', 'City', 'State', and 'Zip' for both. Below this is '2. Type of Institution (select one):' with a dropdown menu and 'Proprietary Sub-type:'. To the right is '3. Long/Type of Leasing Program:'. Section 'C. Additional Locations' includes a table with columns 'OFFICE #', 'Name', 'Address', 'City', 'State', and 'Zip'. The table has one row with data: '000001', 'Jacob's Well Academy', '1 Capital Drive', 'Spring City', 'Pa', '20000'. There are 'Save' and 'Help' buttons at the bottom.

- **Technical Approach**

- Investigated tools to convert COBOL to Java and determined that they do not support the redesign of CB System
- Designed future technical architecture to ensure adherence to the SFA IT Architecture



eCampus-Based System:

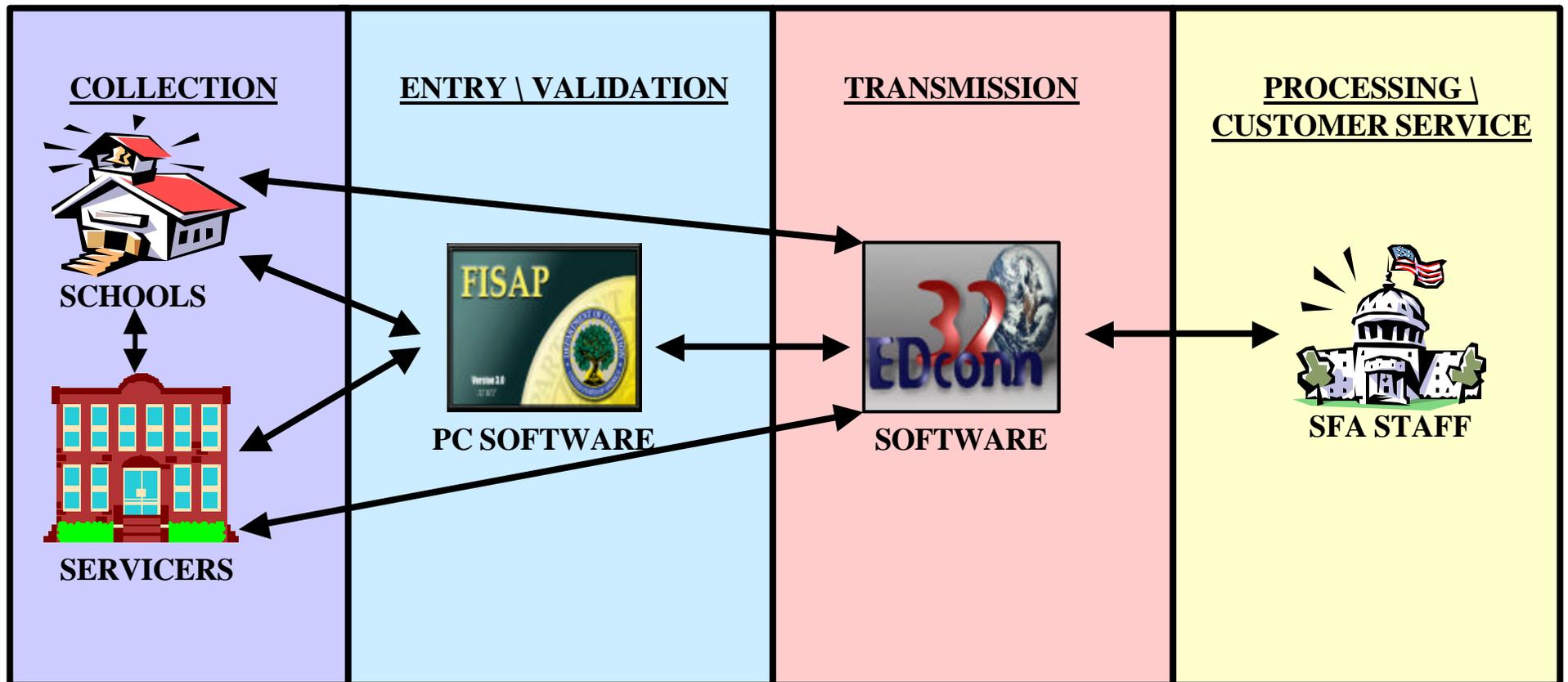
Phase II Approach

We intend to take a three-pronged approach for the eCB System.

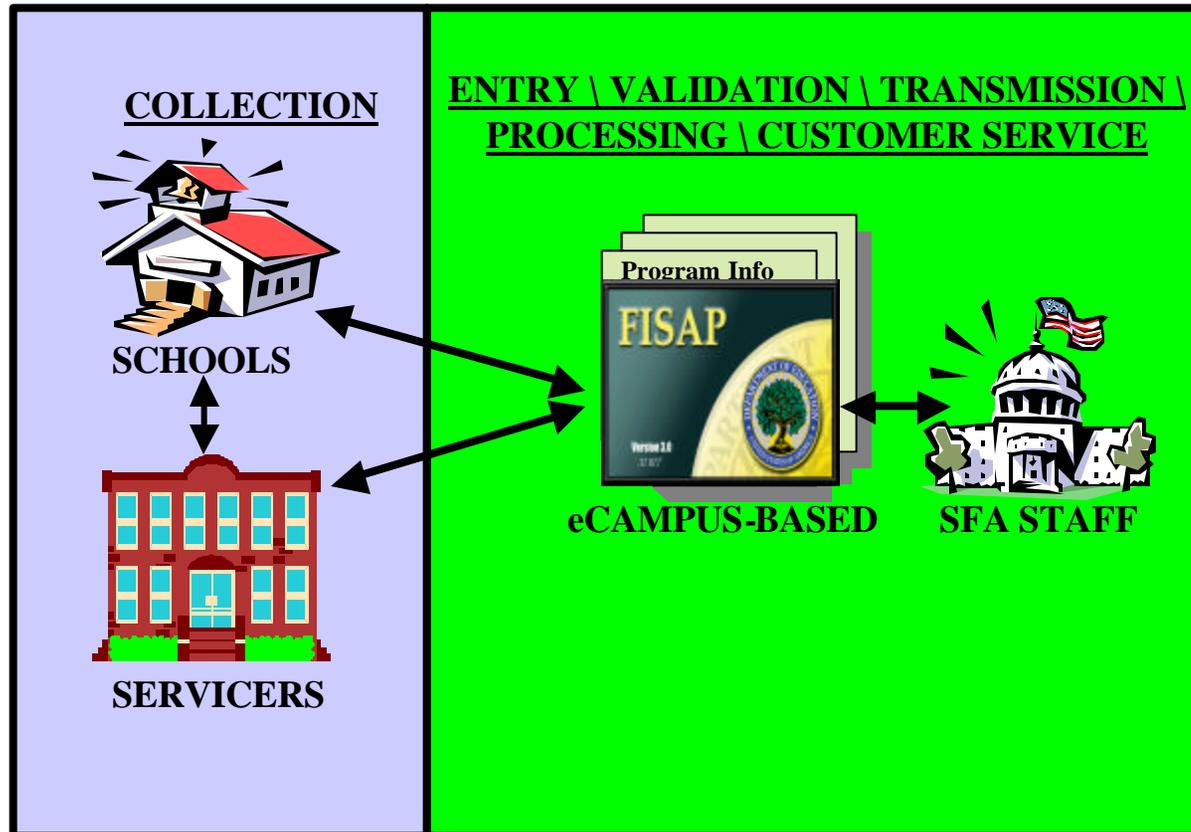
- **FISAP on the Web**
 - Involvement of users from the financial aid community throughout the process
 - Rapid prototyping using Java and Rational iterative approach for web-based development
- **Relational Database System**
 - Develop data model
 - Migrate VSAM file structures to Oracle 8i (RDBS)
 - Migrate current and historical data
- **CB Administrative Functions**
 - Rewrite current business logic in object-oriented language
 - Operate in parallel with legacy system to compare allocations through December 31, 2001



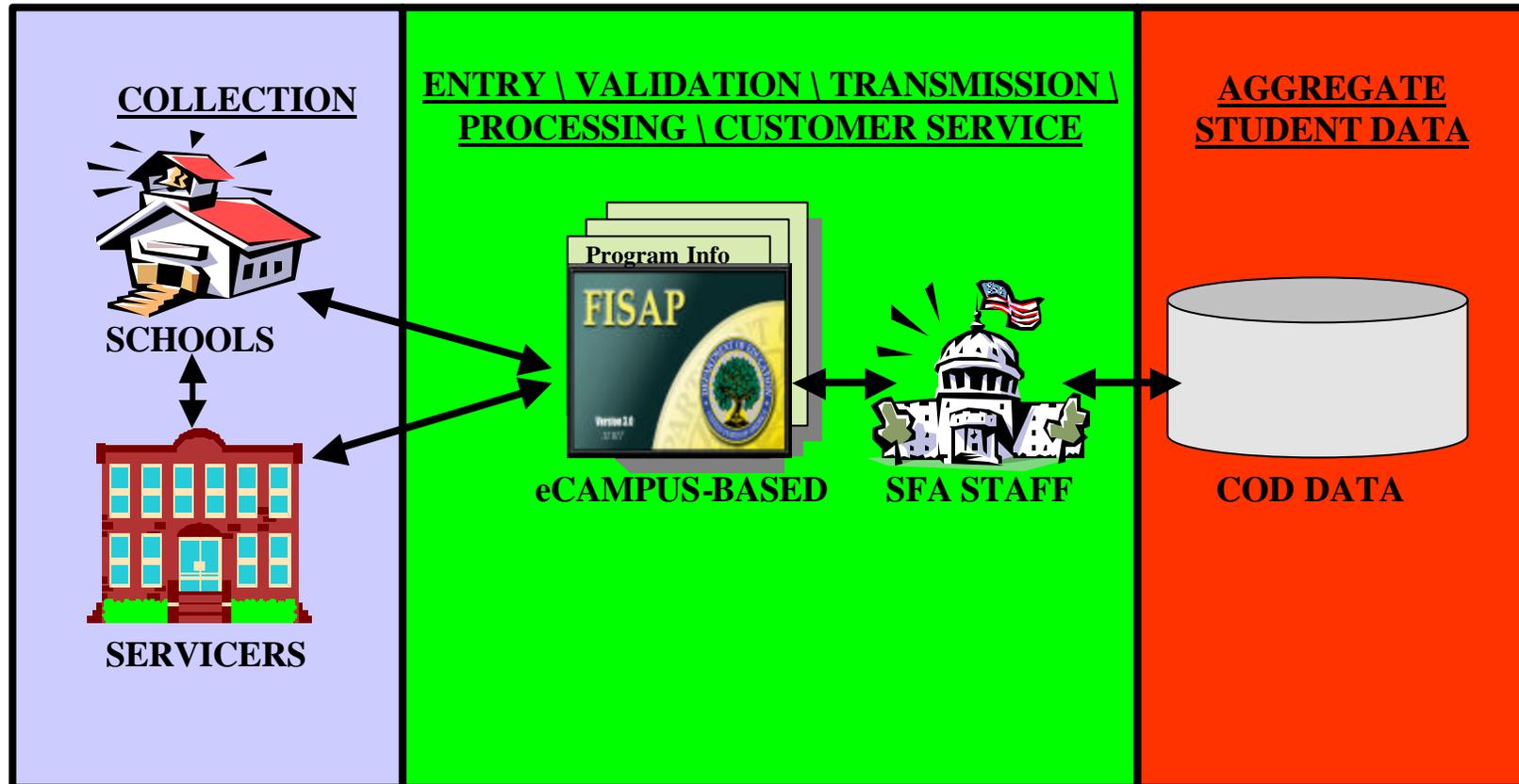
eCampus-Based System: Current Process



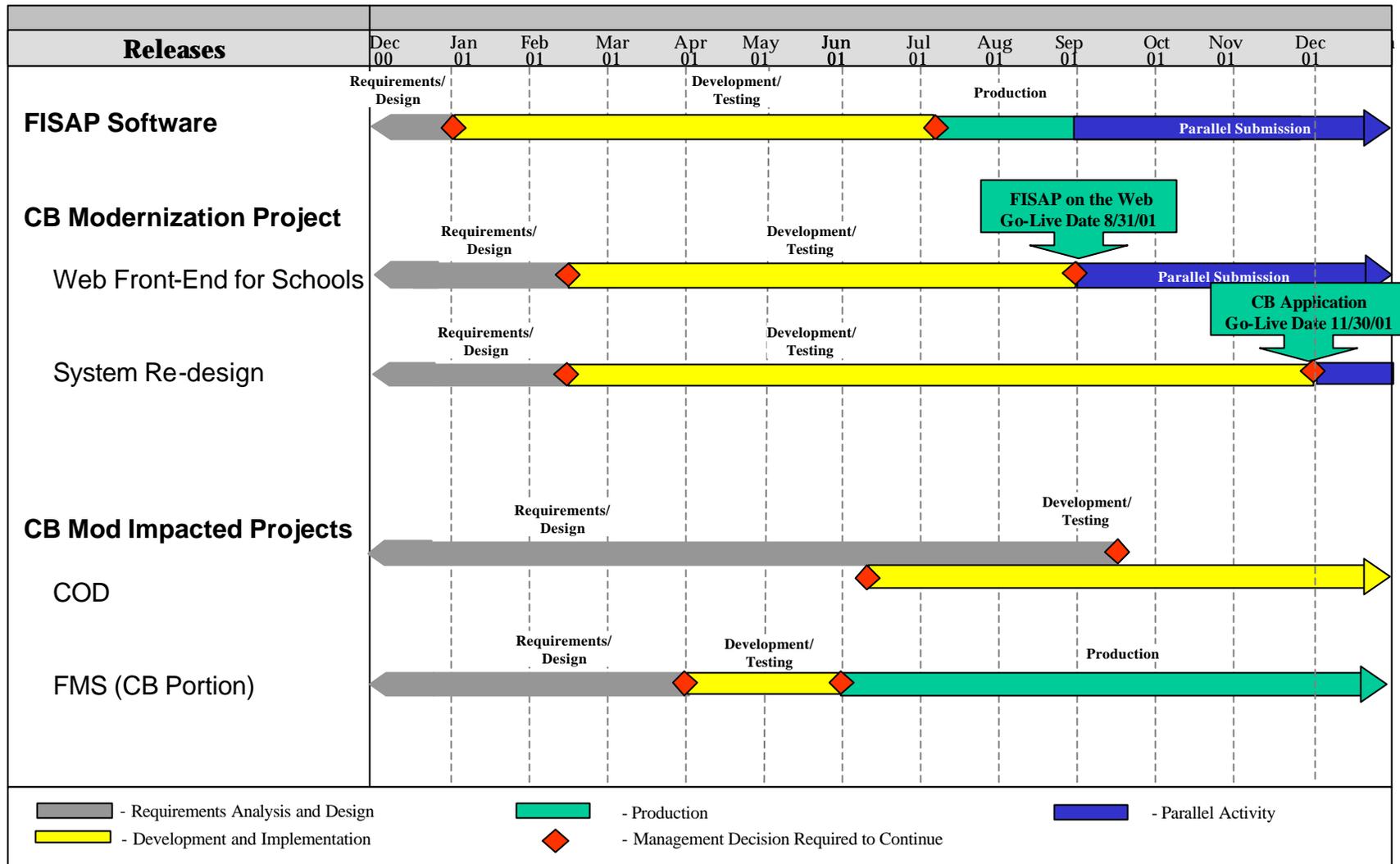
Future Process - Non COD School



Future Process - COD School



eCampus-Based System: Redesign Schedule



eCampus-Based System: Cost

The following table breaks out our total funding request:

What We Used in Phase I

Analysis/Requirements	1,032,000
	<u>\$1,032,000</u>

What We Need for Phase II

Development/Testing	3,260,000
Development Environment	500,000
Test Environment	104,000
	<u>\$3,864,000</u>

Additional SFA Costs

Training	250,000
IV&V	500,000
EAI	0
Security Architecture	0
Security Assessment	100,000
	<u>\$850,000</u>

TOTAL

\$5,746,000

**\$4,644,000
Our FY01
Modernization
Need***

**Total Cost
of CBS Modernization**

* FY01 Funding request represents Development and SFA costs, less \$70,000 carried over from FY00 funding



eCampus-Based System: Cost Benefit/Analysis

Our revised Business Case shows the upfront investment and operating cost reductions beginning in FY03.

Fiscal Year	2001	2002	2003	2004	2005	Total
Project Year	1	2	3	4	5	
I. NEW SYSTEM						
Analysis/Development Testing	-3,292,000	-1,000,000	0	0	0	-4,292,000
Training-SFA	-250,000	0	0	0	0	-250,000
Development Environment	-500,000	0	0	0	0	-500,000
Test Environment	-104,000	0	0	0	0	-104,000
IV&V	-500,000	0	0	0	0	-500,000
Security Assessment	-100,000	0	0	0	0	-100,000
VDC Operating Costs	-59,034	-708,400	-708,400	-708,400	-708,400	-2,892,634
WEB FISAP Maintenance	0	-200,000	-200,000	-200,000	-200,000	-800,000
Legacy Operating Costs						
Legacy CB System - VDC Operating Costs	-802,843	-200,711	0	0	0	-1,003,554
PC FISAP Maintenance	-341,000	0	0	0	0	-341,000
TOTAL eCB Costs	-5,948,877	-2,109,111	-908,400	-908,400	-908,400	-10,783,187
II. OLD SYSTEM						
Legacy CB System - VDC Operating Costs	-802,843	-802,843	-802,843	-802,843	-802,843	-4,014,215
PC FISAP Maintenance	-341,000	-341,000	-341,000	-341,000	-341,000	-1,705,000
TOTAL Legacy CB Costs	-1,143,843	-1,143,843	-1,143,843	-1,143,843	-1,143,843	-5,719,215
III. NET CASH FLOW	-4,805,034	-965,268	235,443	235,443	235,443	-5,063,972

Used CIO reviewed method for estimating VDC operating costs based on CSC documentation

