



A CITY OFFICE IN USA

Highlights

Customer

Water & Sewer Department
of a city in USA

Source Platform

BULL Mainframe/GCOS 8/
UFAS Files (Sequential,
Relative & ISAM) / IDS II /TP
8 / COBOL / JCL

Applications

Water billing application

Size

TPR COBOL & Batch
Programs – 216
IDS II Database with
29 Articles & 118 Screens

Target Platform

RS600 / AIX /
ORACLE 8 /
Oracle Pro*COBOL /
MF COBOL / VB User
Interface / SHELL Scripts

Team size

1 project manager with
4 team members and
2 Quality reviewers

Introduction

Migration of the Water billing system for a city
office in USA.

It involved migration of a critical application running
on Bull/GCOS to IBM/AIX environment. TP/BATCH
programs, along with database, JCL, copy files and
Screens.

Challenges

The major challenges were in re-modeling the IDS
II network data model to fit a relational database
and meet the same performance level of the
existing system. This required to be completed in a
tight time frame, as the system was due for
retirement. The other challenge lay in doing Y2K
compliance.

Solution Approach

Automated, tool assisted migration of COBOL
programs to MF COBOL and remodeling of IDS II
data model to Oracle RDBMS, Tuxedo for TP
programs, MF Dialog for Screens and Solaris shell
scripts for JCLs. Data migration utilities were
generated through the tool for downloading data
from the BULL mainframe IDS II database and
uploading them on to the Oracle database.

The solution achieved 80% automation.

Status

The project along with archived data migration was
completed in 6 months time.

The migrated applications are running live since
1999.