**Generate Electric Bill**

Get Number of Customers

Process Each Customer

**Get Number of Customers**

Get numCustomers from File

**Process Each Customer**

Do the following for each customer(numCustomers)

Get Customer Information

Compute Usage

Compute Amount Due

Display Customer Bill

**Get Customer Information**

Get customerName from File

Get customerAddress from File

Get customerCityStateZip from File

Get customerAccountNumber from File

Get customerMeterNumber from File

Get customerReadingDate from File

Get customerPresentReading from File

Get customerPreviousReading from File

**Compute Usage**

Set customerUsage to customerPresentReading - customerPreviousReading

**Compute Amount Due**

When customerUsage <= 300

Set amountDue to $52.11

Otherwise

When 300 < customerUsage and customerUsage <= 1000

Set amountDue to $52.11 + (customerUsage - 300) \* $0.19226

Otherwise

Set amountDue to $52.11 + (700 \* $0.19226) + (customerUsage - 1000) \*

$0.16981

When customerMeterNumber >= “C” and customerMeterNumber < “D”

Set amountDue to amountDue \* 0.95

**Display Customer Bill**

Display “Bikini Bottom Power” to user

Display customerName to user

Display customerAddress to user

Display customerCityStateZip to user

Display “Account Number: “, customerAccountNumber to user

Display “Meter Number: “, customerMeterNumber to user

Display “Date: “, customerReadingDate to user

Display “Present Reading (kWh): “, customerPresentReading to user

Display “Previous Reading (kWh): “, customerPreviousReading to user

Display “Usage for this period (kWh): “, customerUsage to user

Display “Amount Due ($): “, amountDue to user