

**MDA-EFSM Events:**

Activate()  
Start()  
PayType(int t)       //credit: t=1; cash: t=2  
Reject()  
Cancel()  
Approved()  
StartPump()  
Pump()  
StopPump()  
SelectGas(int g)  
Receipt()  
NoReceipt()

**MDA-EFSM Actions:**

StoreData               // stores price(s) for the gas from the temporary data store  
PayMsg                 // displays a type of payment method  
StoreCash              // stores cash from the temporary data store  
DisplayMenu            // display a menu with a list of selections  
RejectMsg              // displays credit card not approved message  
SetPrice(int g)        // set the price for the gas identified by *g* identifier  
ReadyMsg               // displays the ready for pumping message  
SetInitialValues       // set *G* (or *L*) and *total* to 0  
PumpGasUnit            // disposes unit of gas and counts # of units disposed  
GasPumpedMsg           // displays the amount of disposed gas  
StopMsg                // stop pump message and receipt? msg (optionally)  
PrintReceipt            // print a receipt  
CancelMsg              // displays a cancellation message  
ReturnCash             // returns the remaining cash