APPENDIX 1: FLOW CHART FOR TIME SERIES MODELS

1. START

2. INPUT:
   Year t, Energy Consumption x

3. If Method "M"?

4. Call Linear
   \( X_t = a + b l_t \)

5. Call Power
   \( X_t = a l_t^b \)

6. Call Exponential
   \( X_t = a e^{bl_t} \)

7. Call Quadratic
   \( X_t = a + b l_t + c l_t^2 \)

8. Call Logarithmic
   \( X_t = a + b \log l_t \)

9. Call Double Exponential Smoothing
   \( X_{t+T} = a_t + b_T l_t \)

10. Call Triple Exponential Smoothing
    \( X_{t+T} = a_t + b_T l_t + c_T T^2 \)

11. Call Best Fit "JM"

12. PRINT: Year, Energy Consumption

13. STOP