PSPD=2		128.2,	C
PPR	- PERCEIVED FOOD RATIO (DIMENSIONLESS) - FIRST-ORDER EXPONENTIAL INFORMATION DE	LAY	
PR PSPD	- FOOD RATIO (DIMENSIONLESS) - FOOD SHORTAGE PERCEPTION DELAY (YEARS)		
F5PD	- FOOD SHOREHOE PENCEPTION DELINE (TENNS)		
NONRENEW	ADLE RESOURCE SECTOR		
	(DT) (-NRUR,JE)	129, L 129,1,	
NR=NRI NRI=1E12		129.2,	C
NR DT	- NONRENEWABLE RESOURCES (RESOURCE UNITS - TIME INTERVAL BETWEEN CONSECUTIVE		
NRUR	CALCULATIONS (YEARS) - NONRENEWABLE RESOURCE USAGE RATE (RESO	URCE	
NRI	UNITS/YEAR) - NONRENEWABLE RESOURCES INITIAL (RESOUR	ecr.	
	UNITS)	22.0	
NRUR	OP.E) (PCRUM.K) (NRUP.K) - NONRENEWABLE RESOURCE USAGE RATE (RESOUNTS/YEAR)	130, R DURCE	
POP PCRUM	- POPULATION (PERSONS) - PER CAPITA RESOURCE USAGE MULTIPLIER		
NRUF	(RESOURCE UNITS/PERSON-YEAR) - NONRENEWABLE RESOURCE USAGE FACTOR (DIMENSIONLESS)		
	P(NRUP2,NRUF1,TIME.K,PYEAR)	131, A 131.1,	
NRUF1=1 NRUF2=1		131.1,	00
NRUF 2=1 NRUF	- NONREHEMABLE RESOURCE USAGE FACTOR (DITENSIONLESS)	2,2.2,	
CLIP NRUF2	- A FUNCTION SWITCHED DURING THE RUN - NRUP, VALUE AFTER TIME-PYEAR		
NRUF1	(DIMENSIONLESS) - NRUP, VALUE BEFORE TIME=PYEAR		
	(DIMENSIONLESS)		
TIME	- CURRENT TIME IN THE SIMULATION RUN - YEAR NEW POLICY IS IMPLIMENTED (YEAR)		
PCRUM.K=TA	BHL (PCRUMT, IOPC.K, 0, 1600, 200)	132, A 132,1,	_
PCRUMT=0/. PCRUM	85/2.6/4.4/5.4/6.2/6.8/7/7 - PER CAPITA RESOURCE USAGE MULTIPLIER		-
TABIL	(RESOURCE UNITS/PERSON-YEAR) - A PUNCTION WITH VALUES SPECIFIED BY A	TABLE	
	- PCRUM TABLE		
IOPC	<ul> <li>INDUSTRIAL OUTPUT PER CAPITA (DOLLARS, PERSON-YEAR)</li> </ul>		
MRFR.K=NR.	.K/HRI - HONREHEWABLE RESOURCE FRACTION REMAIN	133, A	
	(DIMENSIONLESS)		
NRI NRI	- NONRENEWABLE RESOURCES (RESOURCE UNIT: - NONRENEWABLE RESOURCES INITIAL (RESOU		
	UNITS)		
FCAOR.K=CI	IP (PCAOR2.K, PCAOR1.K, TIME.K, PYEAR)	134, A	
FCAOR	- FRACTION OF CAPITAL ALLOCATED TO OBTA RESOURCES (DIMENSIONLESS)	INING	
CLIP FCAOR:	- A PUNCTION SWITCHED DURING THE RUN - PCAOR, VALUE AFTER TIME-PYEAR		
FCAOR	(DIMENSIONLESS) - FCAOR, VALUE BEFORE TIME=PYEAR		
TIME	(DIMENSIONLESS) - CURRENT TIME IN THE SIMULATION RUN		
	- YEAR NEW POLICY IS IMPLEMENTED (YEAR)		
FCAOR1.E=1	FABRIL (PCAORIT, NRFR.K, 0, 1, .1)	135, A	-
FCAORIT-1	/.9/.7/.5/.2/.1/.05/.05/.05/.05/.05 - PCAOR, VALUE BEFORE TIME=PYEAR (DIMENSIONLESS)	135.1,	T
TADHL	- A FUNCTION WITH VALUES SPECIFIED BY A	TABLE	
PCAOR!	T- FCAORI TABLE - HONRENEWABLE RESOURCE FRACTION REMAIN (DIMENSIONLESS)	ING	
FCAOR2, K=1	TABHL (PCAOR2T, HRFR.K, 0, 1, .1)	136, A	

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(DIMENSIONLESS)
    TABLE - A PUNCTION WITH VALUES SPECIFIED BY A TABLE
    FCAOR2T- FCAOR2 TABLE
    NRFR - NONRENEWABLE RESOURCE FRACTION REMAINING
  PERSISTENT POLLUTION SECTOR
                                                           137. R
PPGR.KL=(PPGIO.K+PPGAO.K)*(PPGF.K)
    PPGR - PERSISTENT POLLUTION GENERATION RATE
    PPGIO - PERSISTENT POLLUTION GENERATED BY
    INDUSTRIAL OUTPUT (POLLUTION UNITS/YEAR)
PPGAO - PENSISTENT POLLUTION GENERATED BY
                AGRICULTURAL OUTPUT (POLLUTIONUNITS/YEAR)
    PPGF - PERSISTENT POLLUTION GENERATION FACTOR
PPGF.K=CLIP(PPGF2,PPGF1,TIME.K,PYEAR)
                                                           138, A
                                                            138.1, C
                                                           138,2, C
           - PERSISTENT POLLUTION GENERATION FACTOR
    PPGF
     CITE - A FUNCTION SWITCHED DURING THE RUN
     PPGF2 - PPGF, VALUE AFTER TIME-PYEAR
     PPGF1 - PPGF, VALUE BEFORE TIME=PYEAR
                 (DIMENSIONLESS)
     TIME - CURRENT TIME IN THE SIMULATION RUN
     PYEAR - YEAR NEW POLICY IS IMPLEMENTED (YEAR)
PPGIO.K=PCRUM.K*POP.K*FRPM*INEF*INTI
FRPM=.02
IMEF=.1
IMTI=10
     PPGIO - PERSISTENT POLLUTION GENERATED BY
     INDUSTRIAL OUTPUT (POLLUTION UNITS/YEAR)
PCRUM - PER CAPITA RESOURCE USAGE MULTIPLIER
                 (RESOURCE UNITS/PERSON-YEAR)
     POP - POPULATION (PERSONS)
PRPM - PRACTION OF RESOURCES AS PERSISTENT
                 MATERIALS (DIMENSIONLESS)
     IMEF - INDUSTRIAL MATERIALS EMISSION FACTOR
     IMTI - INDUSTRIAL MATERIALS TOXICITY INDEX
                 (POLLUTION UNITS/RESOURCE UNIT)
 PPGAO.K=AIPH.K*AL.K*FIPH*AMTI
 FIPM=.001
AMTI=1
     PPGAO - PERSISTENT POLLUTION GENERATED BY
     AGRICULTURAL OUTPUT (POLLUTIONUMITS/YEAR)
AIPH - AGRICULTURAL INPUTS PER HECTARE (DOLLARS/
                HECTARE-YEAR)
     AL - ARABLE LAND (HECTARES)
FIRM - FRACTION OF INPUTS AS PERSISTENT MATERIALS
                  (DIMENSIONLESS)
     AMTI - AGRICULTURAL MATERIALS TOXICITY INDEX
(POLLUTION UNITS/DOLLAR)
 PPAPR.KL=DELAY3 (PPGR.JK, PPTD)
     PPAPE - PERSISTENT POLLUTION APPEARANCE RATE
     PPAPE - PERSISTENT FOLLOTION APPLACANCE NOTE
(POLLUTION UNITS/YEAR)
DELAY3 - THIRD-ORDER EXPONENTIAL MATERIAL DELAY
     PPGR - PERSISTENT POLLUTION GENERATION RATE
                  (POLLUTION UNITS/YEAR)
      PPTD - PERSISTENT POLLUTION TRANSMISSION DELAY
                  (YEARS)
 PPOL.K=PPOL.J+(DT)(PPAPR.JK-PPASR.JK)
                                                             142, L
  PPOL=2.5E7
     PPOL - PERSISTENT POLLUTION (POLLUTION UNITS)
DT - TIME INTERVAL BETWEEN CONSECUTIVE
                  CALCULATIONS (YEARS)
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FCAOR2T=1/.9/.7/.5/.2/.1/.05/.05/.05/.05/.05

FCAOR2 - FCAOR, VALUE AFTER TIME-PYEAR