

(008) act Elect - Used by: (133) Elect delay	(058) CO2 for carbon Tax (082) cost ETS i (238) Imp CO2 i (544) share EN ETS (655) Tot CO2 Sect
(009) act En mix - Used by: (514) s Elec HH (516) s gas Elec (518) s Liq HH (519) s Nuc Elect (523) s Rnw HH (525) s Sol HH (526) s solid Elec (560) share nrg i	(063) CO2 Liq i - Used by: (062) CO2 i (654) Tot CO2 Liq (064) CO2 reduction 1990 level - (065) CO2 Sol i - Used by: (062) CO2 i (656) Tot CO2 Sol
(011) act Nucl zero - Used by: (008) act Elect (335) jump Nucl	(066) CO2 TOT - Used by: (057) CO2 Energy Ratio (064) CO2 reduction 1990 level (067) CO2 TOT Index
(028) avg etaEN - Used by: (151) etaHH	(068) coef CO2 HH - Used by: (061) CO2 HH nrg (080) coefCO2 nrg i - Used by: (060) CO2 Gas i (063) CO2 Liq i (065) CO2 Sol i
(029) avg etaEN i - Used by: (031) avg etaEN i delay (001) Acoeff (028) avg etaEN (167) g avg etaEN i cumul (238) Imp CO2 i (700) TPES i	(127) Elec gas - (128) Elec HH - Used by: (665) Tot Elec (129) Elec Nuc - Used by: (520) s NUCLEAR TPES (130) Elec oil - (131) Elec Rnw - Used by: (524) s Rnw TPES (685) Tot Rnw/TPES (132) Elec solid - (133) Elect delay - Used by: (560) share nrg i
(041) beta ELG elect - Used by: (042) beta ELG elect delay	(127) Elec gas - (128) Elec HH - Used by: (665) Tot Elec (129) Elec Nuc - Used by: (520) s NUCLEAR TPES (130) Elec oil - (131) Elec Rnw - Used by: (524) s Rnw TPES (685) Tot Rnw/TPES (132) Elec solid - (133) Elect delay - Used by: (560) share nrg i
(042) beta ELG elect delay - Used by: (437) p En rate i (543) share ELG nrg	(127) Elec gas - (128) Elec HH - Used by: (665) Tot Elec (129) Elec Nuc - Used by: (520) s NUCLEAR TPES (130) Elec oil - (131) Elec Rnw - Used by: (524) s Rnw TPES (685) Tot Rnw/TPES (132) Elec solid - (133) Elect delay - Used by: (560) share nrg i
(043) beta ELG gas - Used by: (044) beta ELG gas delay	(127) Elec gas - (128) Elec HH - Used by: (665) Tot Elec (129) Elec Nuc - Used by: (520) s NUCLEAR TPES (130) Elec oil - (131) Elec Rnw - Used by: (524) s Rnw TPES (685) Tot Rnw/TPES (132) Elec solid - (133) Elect delay - Used by: (560) share nrg i
(044) beta ELG gas delay - Used by: (437) p En rate i (543) share ELG nrg	(127) Elec gas - (128) Elec HH - Used by: (665) Tot Elec (129) Elec Nuc - Used by: (520) s NUCLEAR TPES (130) Elec oil - (131) Elec Rnw - Used by: (524) s Rnw TPES (685) Tot Rnw/TPES (132) Elec solid - (133) Elect delay - Used by: (560) share nrg i
(057) CO2 Energy Ratio - (060) CO2 Gas i - Used by: (062) CO2 i (652) Tot CO2 Gas	(134) En Eff Index - (151) etaHH - Used by: (152) etaHH delay (698) TPES HH (178) gamma ELG gas - Used by: (543) share ELG nrg (278) initial share nrg i - Used by: (545) share En nrg i delay (311) JG Eco output - Used by:
(061) CO2 HH nrg - Used by: (652) Tot CO2 Gas (653) TOT CO2 HH (654) Tot CO2 Liq (656) Tot CO2 Sol	(134) En Eff Index - (151) etaHH - Used by: (152) etaHH delay (698) TPES HH (178) gamma ELG gas - Used by: (543) share ELG nrg (278) initial share nrg i - Used by: (545) share En nrg i delay (311) JG Eco output - Used by:
(062) CO2 i - Used by: (026) avg coef CO2	(134) En Eff Index - (151) etaHH - Used by: (152) etaHH delay (698) TPES HH (178) gamma ELG gas - Used by: (543) share ELG nrg (278) initial share nrg i - Used by: (545) share En nrg i delay (311) JG Eco output - Used by:

(312) JG Eco output share	(515) s ELG Elec
(325) JG Tot output	(522) s Renew Elec
(312) JG Eco output share - Used by:	(561) Share Nuclear Electr tpes
(313) JG Eco output share delay	(567) share Renewable electricity tpes
(313) JG Eco output share delay - Used by:	(520) s NUCLEAR TPES -
(392) mult eta HH	(521) s oil Elec - Used by:
(335) jump Nucl - Used by:	(130) Elec oil
(519) s Nuc Elect	(515) s ELG Elec
(336) jump share Elec - Used by:	(522) s Renew Elec
(008) act Elect	(522) s Renew Elec - Used by:
(392) mult eta HH - Used by:	(131) Elec Rnw
(151) etaHH	(515) s ELG Elec
(427) Output i real - Used by:	(561) Share Nuclear Electr tpes
(420) out Services delay	(567) share Renewable electricity tpes
(426) Output i delay	(523) s Rnw HH - Used by:
(028) avg etaEN	(503) Rnw HH
(398) N Eji	(524) s Rnw TPES -
(637) TC1i	(525) s Sol HH - Used by:
(638) TC2i	(699) TPES HH nrg
(639) TC3i	(526) s solid Elec - Used by:
(640) TC4i	(132) Elec solid
(677) Tot Output real	(515) s ELG Elec
(700) TPES i	(522) s Renew Elec
(728) VAd i	(541) share Elect i - Used by:
(755) Zii	(697) TPES Elec
(758) Zimp ii	(543) share ELG nrg -
(503) Rnw HH - Used by:	(545) share En nrg i delay - Used by:
(685) Tot Rnw/TPES	(008) act Elect
(514) s Elec HH - Used by:	(560) share nrg i
(128) Elec HH	(560) share nrg i - Used by:
(515) s ELG Elec - Used by:	(545) share En nrg i delay
(543) share ELG nrg	(060) CO2 Gas i
(516) s gas Elec - Used by:	(063) CO2 Liq i
(127) Elec gas	(065) CO2 Sol i
(515) s ELG Elec	(542) share ELG i
(522) s Renew Elec	(550) share FF i
(517) s Gas HH - Used by:	(702) TPES nrg
(699) TPES HH nrg	(561) Share Nuclear Electr tpes -
(518) s Liq HH - Used by:	(567) share Renewable electricity tpes -
(699) TPES HH nrg	(571) share TPES energy - Used by:
(519) s Nuc Elect - Used by:	(561) Share Nuclear Electr tpes
(129) Elec Nuc	

Energy source, TPES, and GHG emissions


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(567) share Renewable electricity tpes	(238) Imp CO2 i
(643) Time ENmix - Used by:	(697) TPES Elec
(009) act En mix	(701) TPES io
(335) jump Nucl	(702) TPES nrg
(647) Time Nucl zero - Used by:	(701) TPES io - Used by:
(335) jump Nucl	(520) s NUCLEAR TPES
	(524) s Rnw TPES
	(571) share TPES energy
	(689) Tot TPES
(652) Tot CO2 Gas - Used by:	(702) TPES nrg - Used by:
(066) CO2 TOT	(041) beta ELG elect
(653) TOT CO2 HH -	(043) beta ELG gas
(654) Tot CO2 Liq - Used by:	(571) share TPES energy
(066) CO2 TOT	
(655) Tot CO2 Sect -	
(656) Tot CO2 Sol - Used by:	
(066) CO2 TOT	
(665) Tot Elec - Used by:	
(127) Elec gas	
(129) Elec Nuc	
(130) Elec oil	
(131) Elec Rnw	
(132) Elec solid	
(677) Tot Output real - Used by:	
(134) En Eff Index	
(312) JG Eco output share	
(684) Tot realCYVeff i - Used by:	
(698) TPES HH	
(685) Tot Rnw/TPES -	
(689) Tot TPES - Used by:	
(057) CO2 Energy Ratio	
(134) En Eff Index	
(685) Tot Rnw/TPES	
(697) TPES Elec - Used by:	
(665) Tot Elec	
(698) TPES HH - Used by:	
(128) Elec HH	
(503) Rnw HH	
(689) Tot TPES	
(699) TPES HH nrg	
(699) TPES HH nrg - Used by:	
(061) CO2 HH nrg	
(700) TPES i - Used by:	
(026) avg coef CO2	
(060) CO2 Gas i	
(063) CO2 Liq i	
(065) CO2 Sol i	