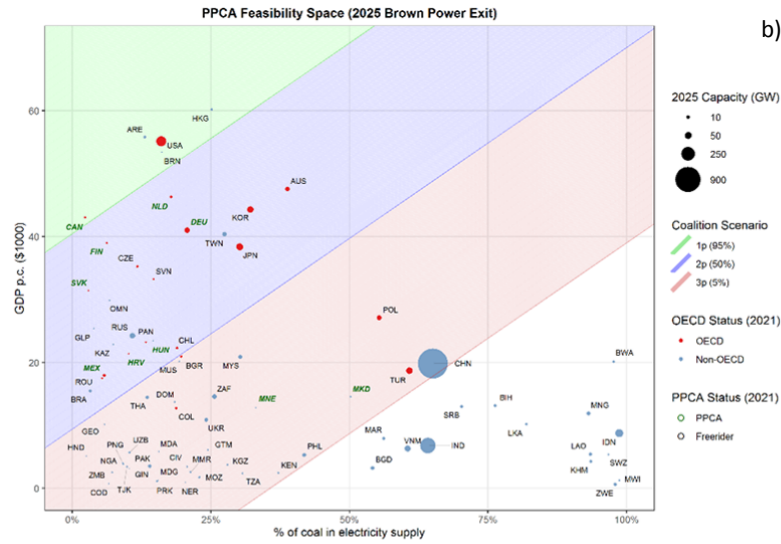


<i>Country</i>	<i>ISO Code</i>	<i>PPCA Status</i>	<i>OECD Status</i>	<i>Coal Share 2015</i>	<i>GDPpc 2015 (\$1000)</i>	<i>Prob. 2015</i>	<i>Prob. 2025</i>	<i>Prob. 2045</i>
<i>Afghanistan</i>	AFG	-	Non-OECD	0.05	1.37	0.26	0.32	0.36
<i>Angola</i>	AGO	PPCA	Non-OECD	0	6.12	0.42	0.44	0.44
<i>Albania</i>	ALB	PPCA	Non-OECD	0	8.33	0.47	0.53	0.66
<i>Argentina</i>	ARG	-	Non-OECD	0.02	15.18	0.61	0.76	0.91
<i>Australia</i>	AUS	-	OECD	0.63	41.72	0.37	0.89	0.99
<i>Austria</i>	AUT	PPCA	OECD	0.08	39.42	0.91	0.97	0.99
<i>Burundi</i>	BDI	-	Non-OECD	0.1	0.42	0.19	0.31	0.35
<i>Belgium</i>	BEL	PPCA	OECD	0.06	36.14	0.9	0.95	0.99
<i>Burkina Faso</i>	BFA	-	Non-OECD	0.1	1.27	0.21	0.33	0.39
<i>Bangladesh</i>	BGD	-	Non-OECD	0.02	1.78	0.3	0.05	0.36
<i>Bulgaria</i>	BGR	-	OECD	0.46	13.73	0.1	0.54	0.9
<i>Bosnia & Herzegovina</i>	BIH	-	Non-OECD	0.64	8.89	0.02	0.01	0.71
<i>Brazil</i>	BRA	-	Non-OECD	0.05	11.81	0.49	0.61	0.75
<i>Botswana</i>	BWA	-	Non-OECD	0.96	14.95	0.01	0.01	0.8
<i>Central African Republic</i>	CAF	-	Non-OECD	0.1	0.8	0.2	0.31	0.35
<i>Canada</i>	CAN	PPCA	OECD	0.1	38.23	0.9	0.96	0.98
<i>Switzerland</i>	CHE	PPCA	OECD	0	41.48	0.95	0.97	0.99
<i>Chile</i>	CHL	-	OECD	0.37	15.66	0.18	0.53	0.92
<i>China</i>	CHN	-	Non-OECD	0.7	10.47	0.02	0.1	0.54
<i>Colombia</i>	COL	-	OECD	0.12	9.64	0.34	0.4	0.68
<i>Costa Rica</i>	CRI	PPCA	OECD	0	11.97	0.56	0.65	0.81
<i>Czechia</i>	CZE	-	OECD	0.53	26.64	0.19	0.86	0.99
<i>Germany</i>	DEU	PPCA	OECD	0.44	36.56	0.51	0.88	0.98
<i>Denmark</i>	DNK	PPCA	OECD	0.25	36.74	0.76	0.95	0.98
<i>Dominican Republic</i>	DOM	-	Non-OECD	0.13	10.45	0.34	0.34	0.66
<i>Spain</i>	ESP	PPCA	OECD	0.19	29.34	0.69	0.88	0.93
<i>Ethiopia</i>	ETH	PPCA	Non-OECD	0	1.09	0.31	0.32	0.38
<i>Finland</i>	FIN	PPCA	OECD	0.13	34.2	0.83	0.93	0.98
<i>Fiji</i>	FJI	PPCA	Non-OECD	0.05	4.68	0.32	0.41	0.51
<i>France</i>	FRA	PPCA	OECD	0.02	33.07	0.89	0.93	0.97
<i>United Kingdom</i>	GBR	PPCA	OECD	0.23	35.61	0.76	0.95	0.98
<i>Guinea</i>	GIN	-	Non-OECD	0.1	1.06	0.2	0.35	0.53
<i>Gambia</i>	GMB	-	Non-OECD	0.1	1.75	0.21	0.35	0.44
<i>Greece</i>	GRC	PPCA	OECD	0.43	27.5	0.32	0.89	0.95
<i>Guatemala</i>	GTM	-	Non-OECD	0.21	5.21	0.16	0.15	0.4
<i>Hong Kong SAR China</i>	HKG	-	Non-OECD	0.65	47.29	0.46	0.99	1
<i>Honduras</i>	HND	-	Non-OECD	0.01	4.17	0.36	0.37	0.48
<i>Croatia</i>	HRV	PPCA	OECD	0.21	17.82	0.4	0.63	0.82
<i>Hungary</i>	HUN	PPCA	OECD	0.19	19.5	0.46	0.79	0.92
<i>Indonesia</i>	IDN	-	Non-OECD	0.56	5.18	0.03	0.02	0.41
<i>India</i>	IND	-	Non-OECD	0.75	4.35	0.01	0.03	0.36
<i>Ireland</i>	IRL	PPCA	OECD	0.26	38.78	0.78	0.96	0.99
<i>Israel</i>	ISR	PPCA	OECD	0.45	28.45	0.31	0.92	0.98
<i>Italy</i>	ITA	PPCA	OECD	0.16	28.17	0.7	0.89	0.95
<i>Japan</i>	JPN	-	OECD	0.33	34.58	0.62	0.78	0.97
<i>Kazakhstan</i>	KAZ	-	Non-OECD	0.72	14.02	0.02	0.72	0.91
<i>Kyrgyzstan</i>	KGZ	-	Non-OECD	0.13	2.45	0.19	0.19	0.39
<i>Cambodia</i>	KHM	-	Non-OECD	0.48	2.37	0.03	0	0.01
<i>South Korea</i>	KOR	-	OECD	0.43	31.93	0.41	0.82	1
<i>Laos</i>	LAO	-	Non-OECD	0.05	3.06	0.29	0	0.01
<i>Liberia</i>	LBR	-	Non-OECD	0.1	0.49	0.19	0.31	0.36
<i>Liechtenstein</i>	LIE	PPCA	Non-OECD	0	234.47	1	1	1
<i>Sri Lanka</i>	LKA	-	Non-OECD	0.34	5.89	0.09	0.08	0.64
<i>Lesotho</i>	LSO	-	Non-OECD	0.1	1.36	0.21	0.34	0.42
<i>Lithuania</i>	LTU	PPCA	OECD	0	17.71	0.69	0.81	0.93
<i>Luxembourg</i>	LUX	PPCA	OECD	0	81.67	1	1	1
<i>Latvia</i>	LVA	PPCA	OECD	0	15.64	0.64	0.78	0.92
<i>Morocco</i>	MAR	-	Non-OECD	0.56	4.78	0.03	0.04	0.7
<i>Madagascar</i>	MDG	-	Non-OECD	0.1	0.89	0.2	0.17	0.33
<i>Mexico</i>	MEX	PPCA	OECD	0.11	14.76	0.47	0.63	0.84
<i>Marshall Islands</i>	MHL	PPCA	Non-OECD	0	6.47	0.43	0.43	0.42
<i>North Macedonia</i>	MKD	PPCA	Non-OECD	0.58	9.81	0.03	0.08	0.8

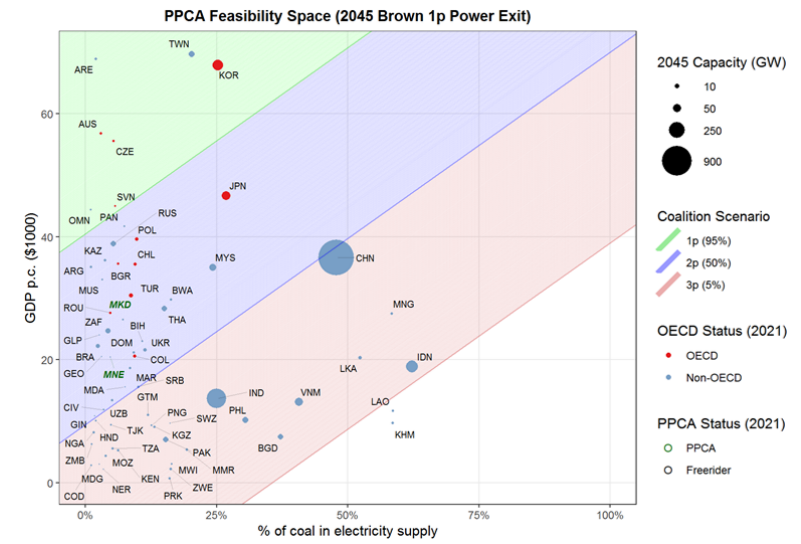
Mali	MLI	-	Non-OECD	0.1	1.23	0.21	0.32	0.36
Myanmar (Burma)	MMR	-	Non-OECD	0.02	1.27	0.29	0.31	0.41
Montenegro	MNE	PPCA	Non-OECD	0.5	9.52	0.05	0.17	0.71
Mongolia	MNG	-	Non-OECD	0.93	5.78	0	0	0.04
Mauritania	MRT	-	Non-OECD	0.1	2.07	0.22	0.36	0.45
Malawi	MWI	-	Non-OECD	0.1	0.93	0.2	0	0.24
Malaysia	MYS	-	Non-OECD	0.42	14.99	0.13	0.38	0.92
Niger	NER	-	Non-OECD	0.42	0.71	0.04	0.31	0.34
Niue	NIU	PPCA	Non-OECD	0	9.67	0.51	0.51	0.51
Netherlands	NLD	PPCA	OECD	0.39	41.86	0.7	0.92	0.99
New Zealand	NZL	PPCA	OECD	0.04	28.65	0.83	0.89	0.95
Panama	PAN	-	Non-OECD	0.07	14.17	0.51	0.62	0.94
Peru	PER	PPCA	Non-OECD	0.01	9.87	0.5	0.65	0.87
Philippines	PHL	-	Non-OECD	0.45	3.64	0.04	0.07	0.46
Papua New Guinea	PNG	-	Non-OECD	0.05	2.84	0.29	0.3	0.5
Poland	POL	-	OECD	0.81	20.64	0.03	0.34	0.92
North Korea	PRK	-	Non-OECD	0.21	1.31	0.12	0.18	0.31
Portugal	PRT	PPCA	OECD	0.29	21.76	0.38	0.82	0.91
Romania	ROU	-	OECD	0.28	12.4	0.21	0.67	0.81
Russia	RUS	-	Non-OECD	0.15	16.94	0.46	0.71	0.93
Rwanda	RWA	-	Non-OECD	0.1	1.31	0.21	0.33	0.39
Senegal	SEN	PPCA	Non-OECD	0	1.8	0.33	0.33	0.41
Singapore	SGP	-	Non-OECD	0.01	58.49	0.99	1	1
Sierra Leone	SLE	-	Non-OECD	0.1	0.93	0.2	0.32	0.37
El Salvador	SLV	PPCA	Non-OECD	0	7.31	0.45	0.48	0.6
Somalia	SOM	-	Non-OECD	0.1	0.65	0.2	0.3	0.3
Serbia	SRB	-	Non-OECD	0.76	11.76	0.02	0.06	0.59
Slovakia	SVK	PPCA	OECD	0.13	24.61	0.67	0.87	0.97
Slovenia	SVN	-	OECD	0.3	28.64	0.53	0.8	0.97
Sweden	SWE	PPCA	OECD	0.01	39.89	0.94	0.97	0.99
Chad	TCD	-	Non-OECD	0.1	1.42	0.21	0.32	0.38
Thailand	THA	-	Non-OECD	0.19	9.32	0.24	0.49	0.86
Tajikistan	TJK	-	Non-OECD	0.02	2.03	0.31	0.27	0.45
Turkey	TUR	-	OECD	0.29	12.98	0.21	0.21	0.86
Tuvalu	TUV	PPCA	Non-OECD	0	5.44	0.41	0.4	0.39
Taiwan	TWN	-	Non-OECD	0.47	22.92	0.2	0.8	0.99
Uganda	UGA	-	Non-OECD	0.1	1.32	0.21	0.33	0.39
Ukraine	UKR	-	Non-OECD	0.35	7.16	0.1	0.44	0.73
Uruguay	URY	PPCA	Non-OECD	0	15.04	0.63	0.75	0.91
United States	USA	-	OECD	0.34	46.25	0.82	0.97	1
Uzbekistan	UZB	-	Non-OECD	0.04	3.11	0.3	0.29	0.53
Vietnam	VNM	-	Non-OECD	0.3	3.77	0.1	0.03	0.39
Vanuatu	VUT	PPCA	Non-OECD	0.05	5.33	0.34	0.42	0.54
South Africa	ZAF	-	Non-OECD	0.93	10.22	0.01	0.37	0.79
Zimbabwe	ZWE	-	Non-OECD	0.47	0.43	0.03	0	0.24

Table SF1. List of the 41 current PPCA members and the 62 non-participating nations which had >1% coal-power-shares in 2015 (Coal Share 2015). The PPCA column distinguishes the two categories. Both inputs to the logit model, i.e. 2015 coal-power-shares and GDP per capita (in nominal 2005 USD), are shown, along with returned accession probabilities in 2015, 2025, and 2045 (Prob.year). Rows in bold indicate new PPCA signees since the Jewell et al., (2019) study.

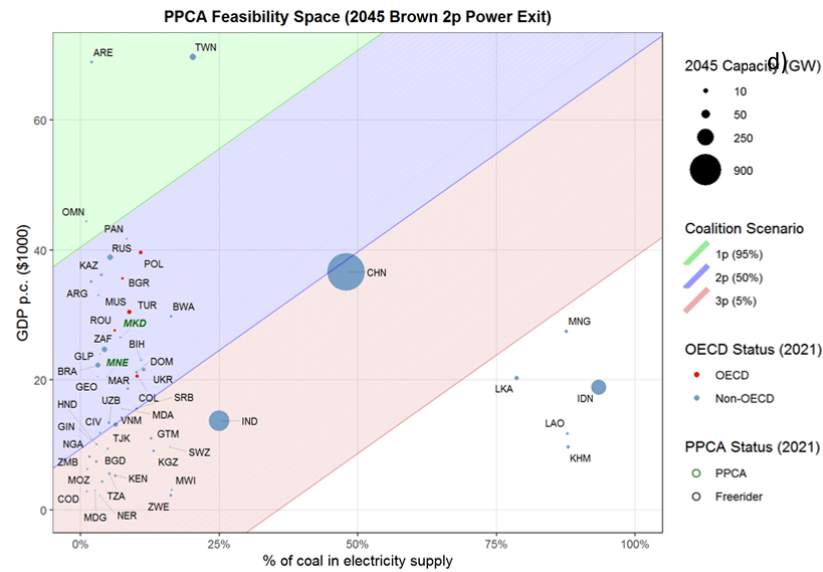
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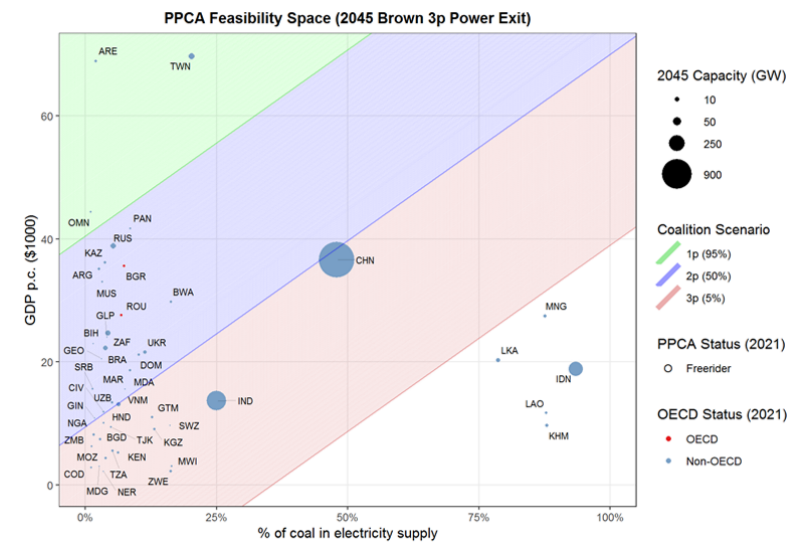
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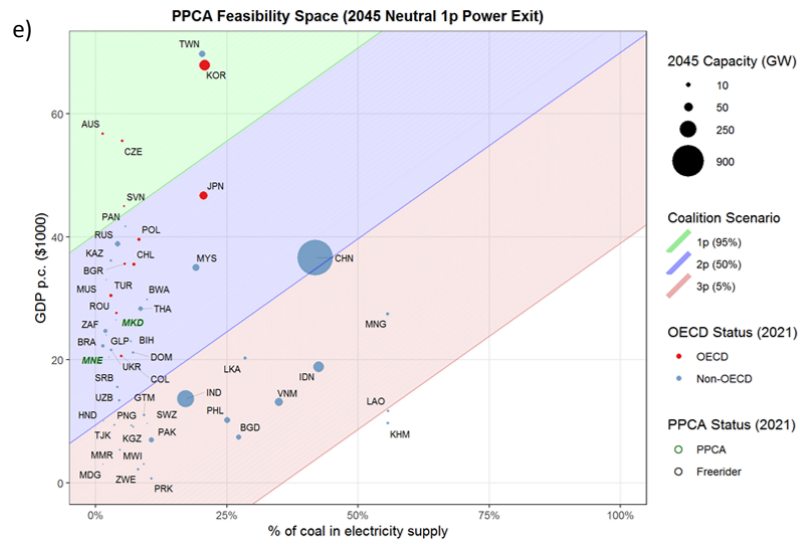
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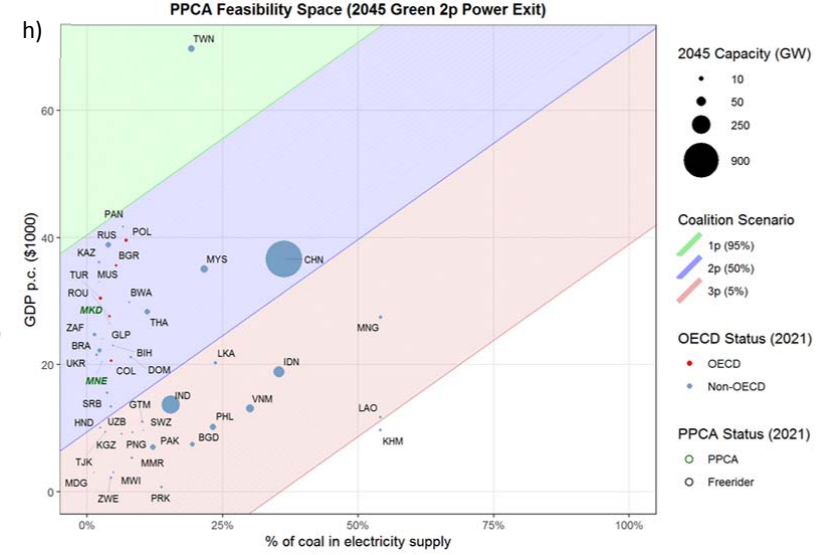
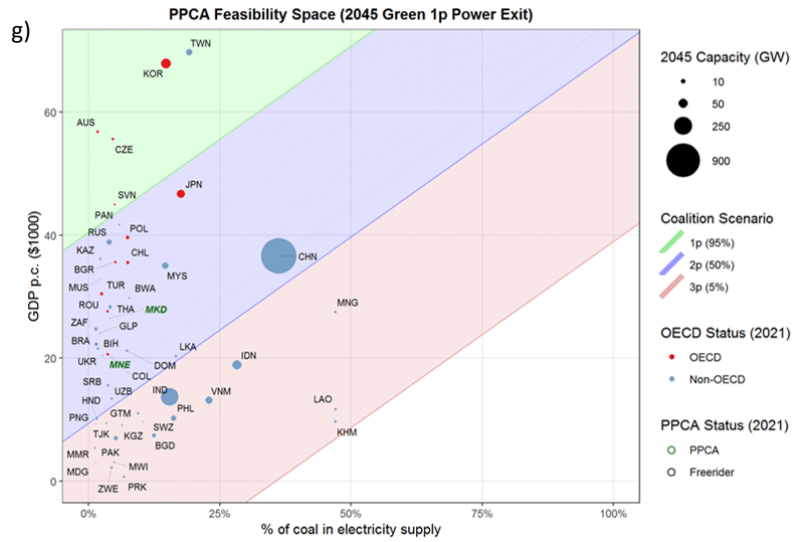
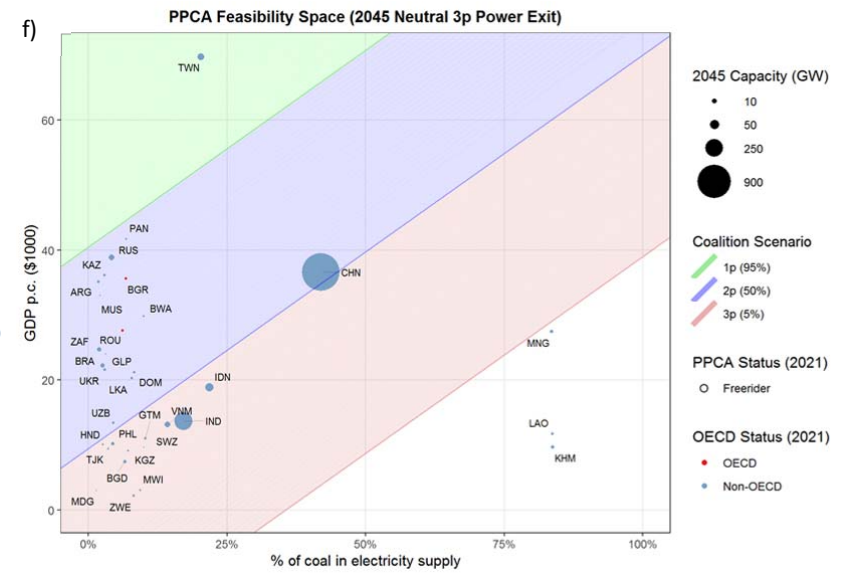
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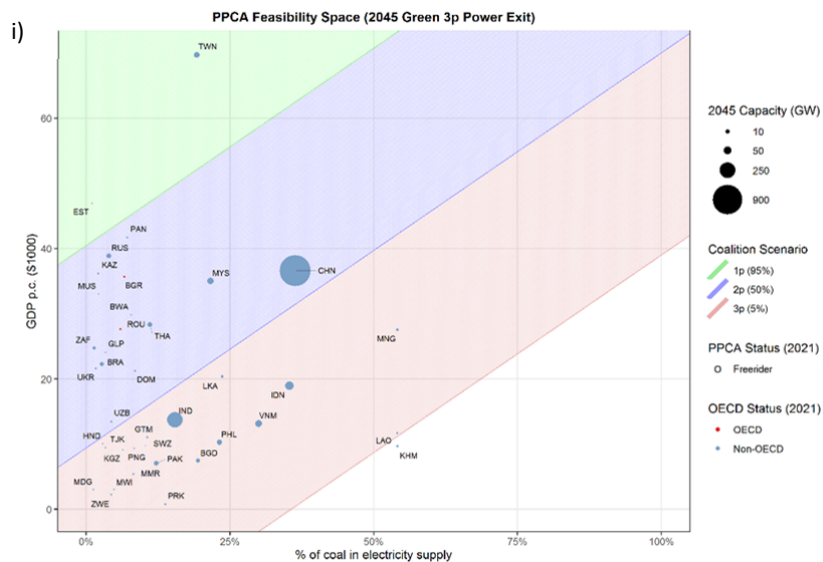
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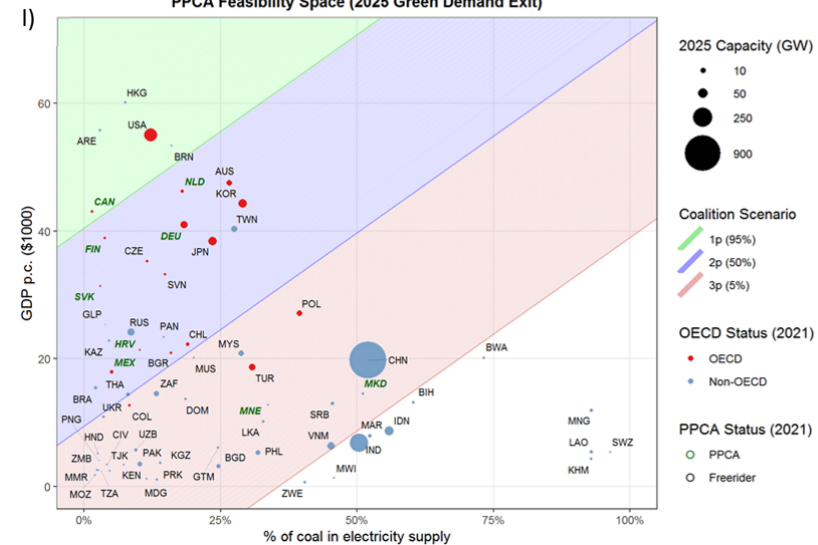
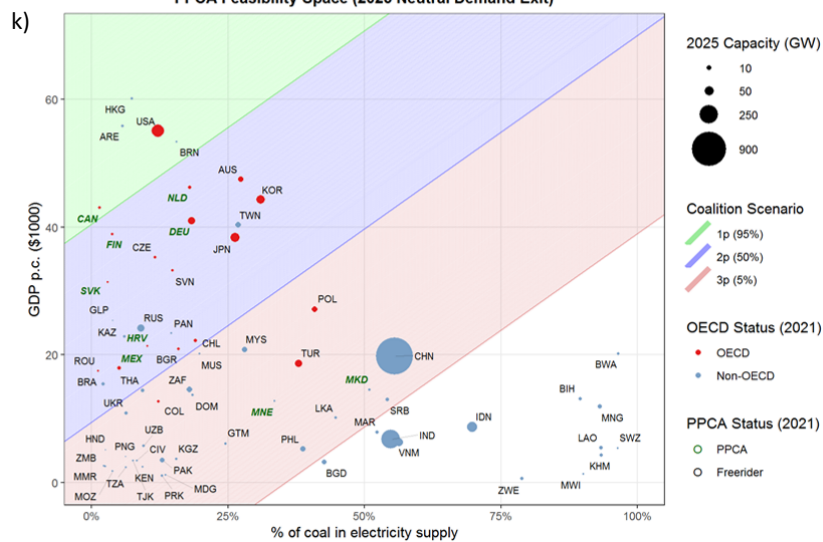
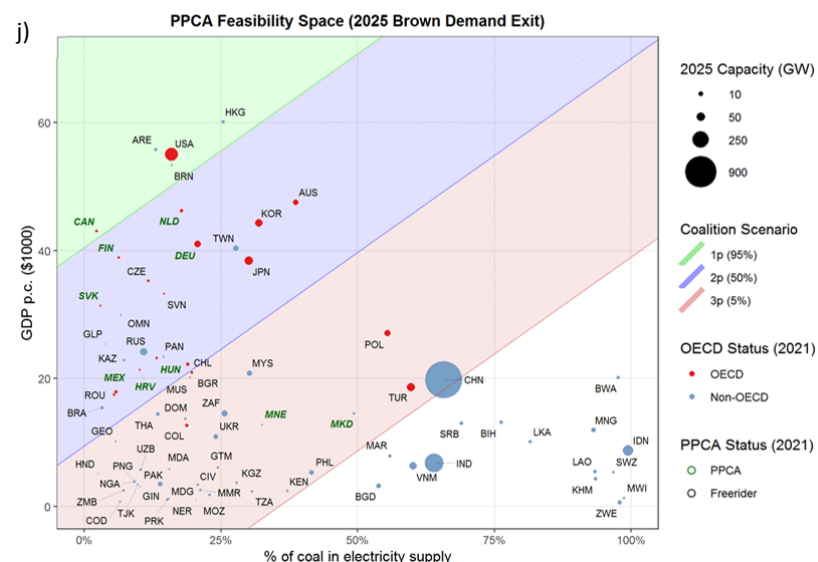
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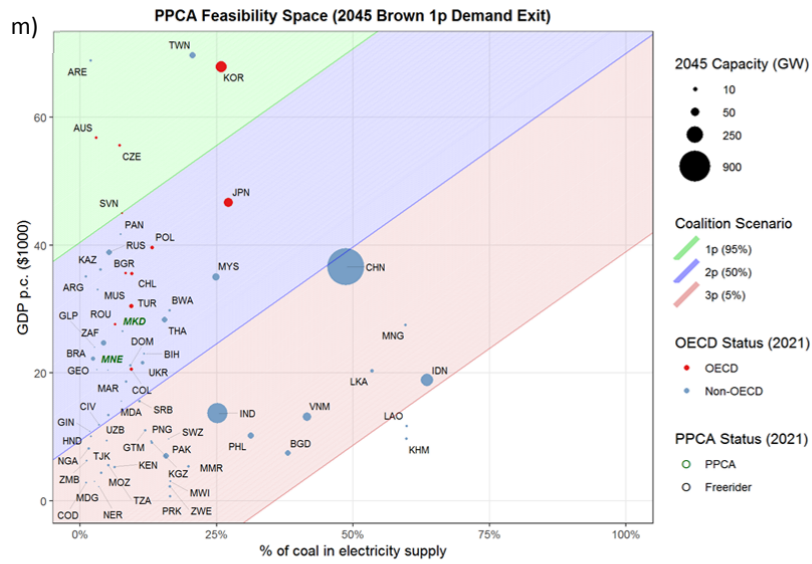
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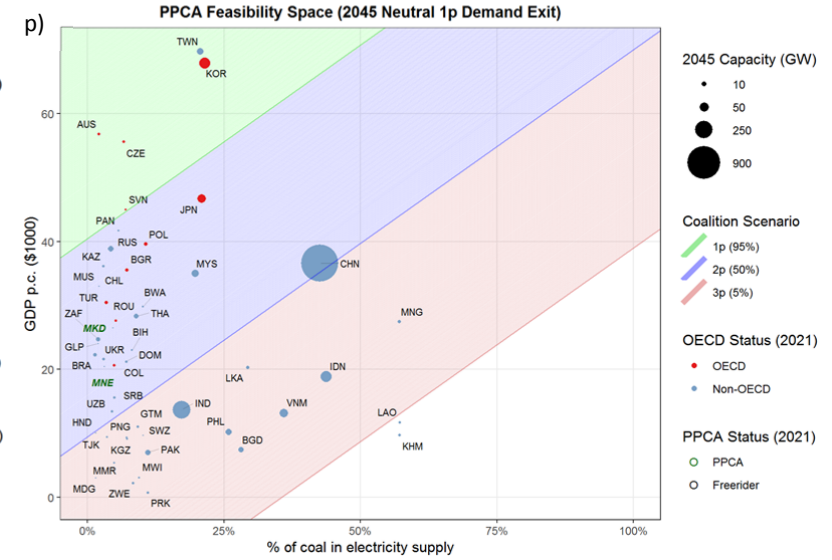
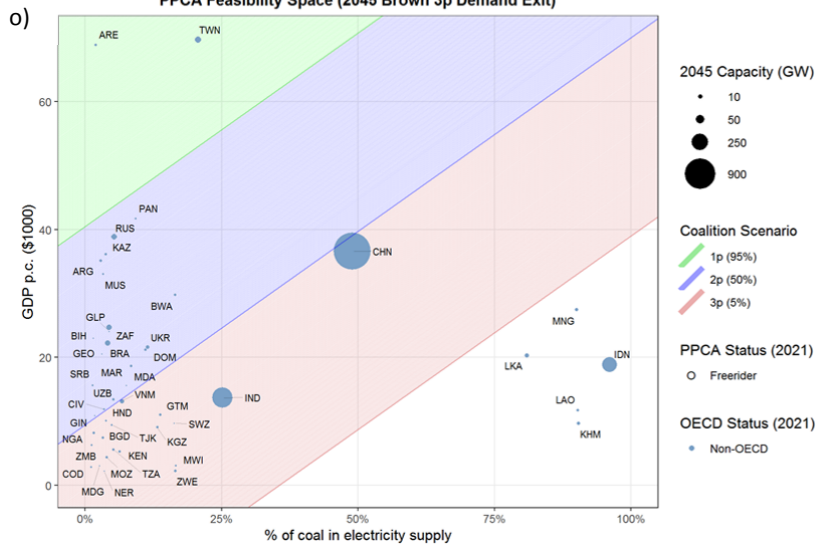
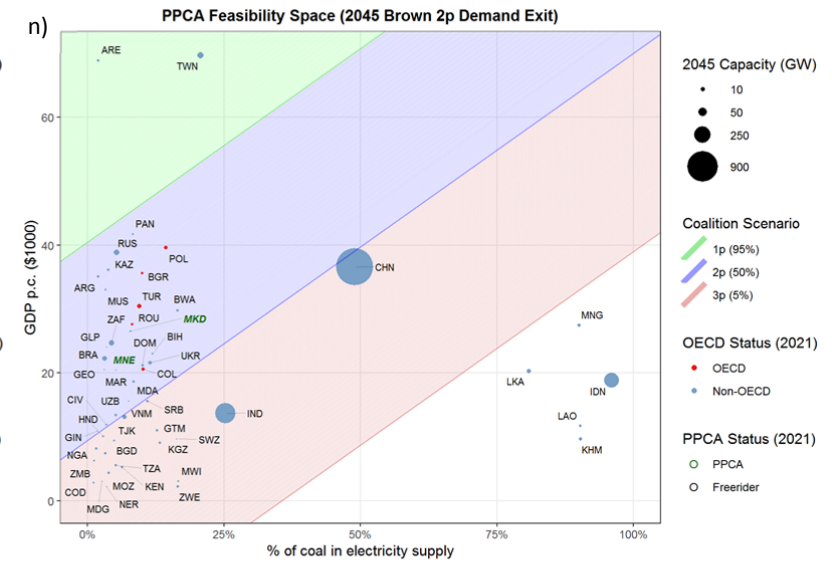
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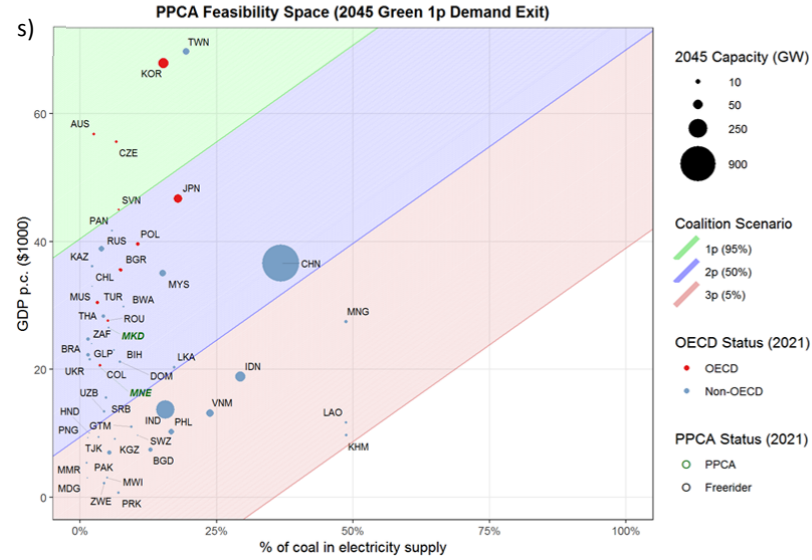
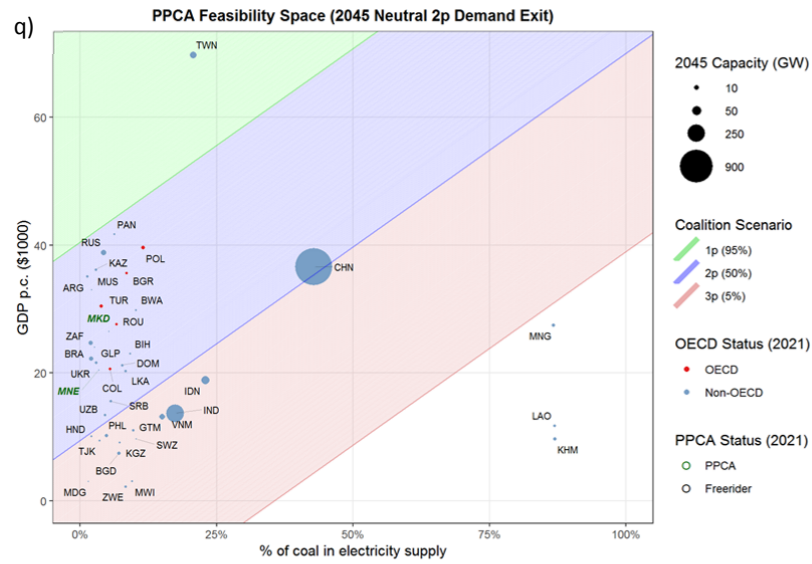
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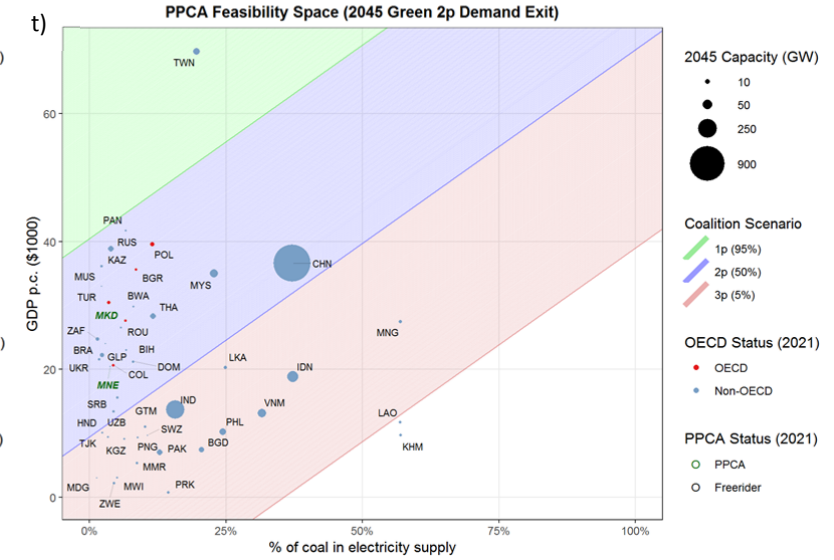
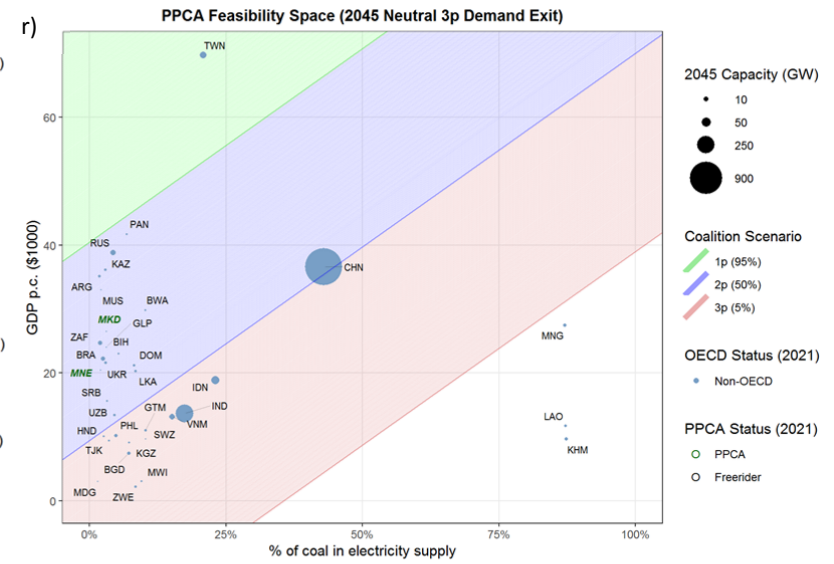
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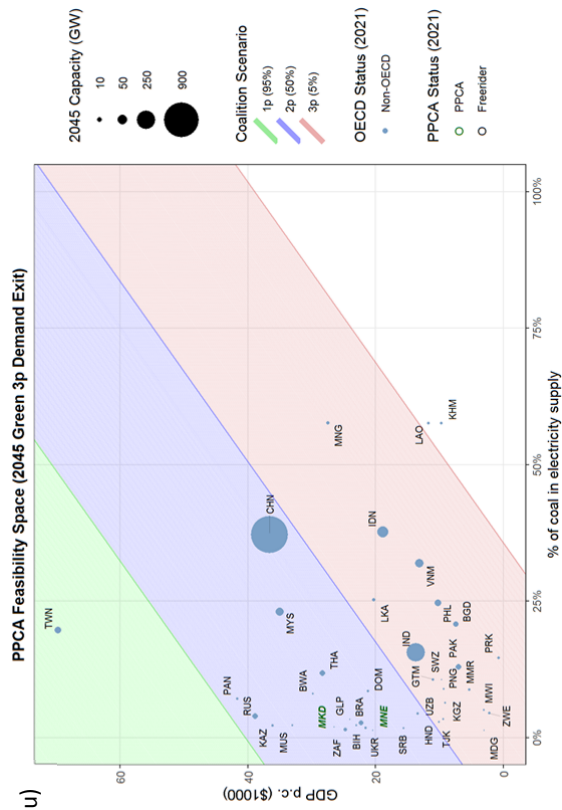
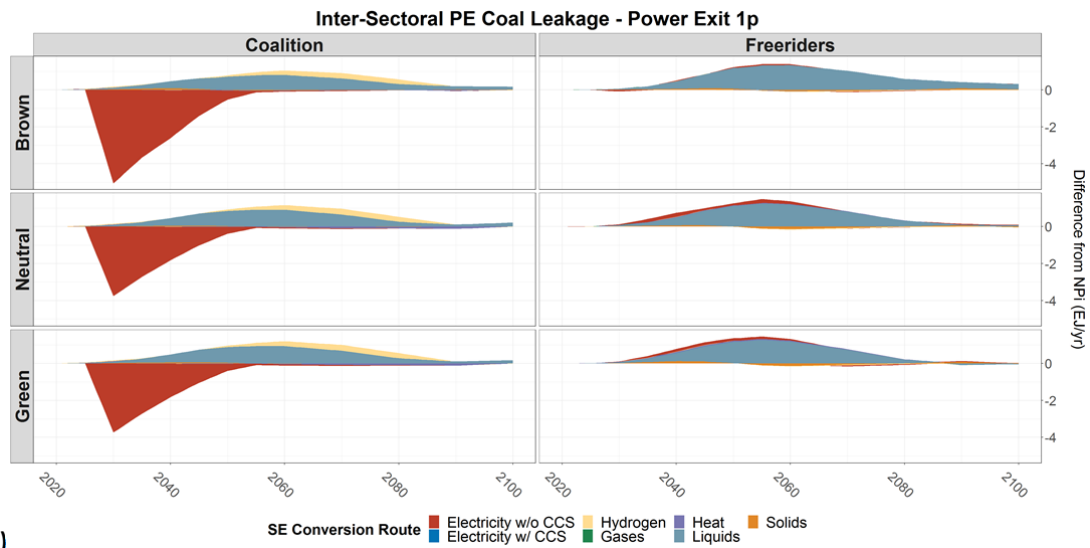
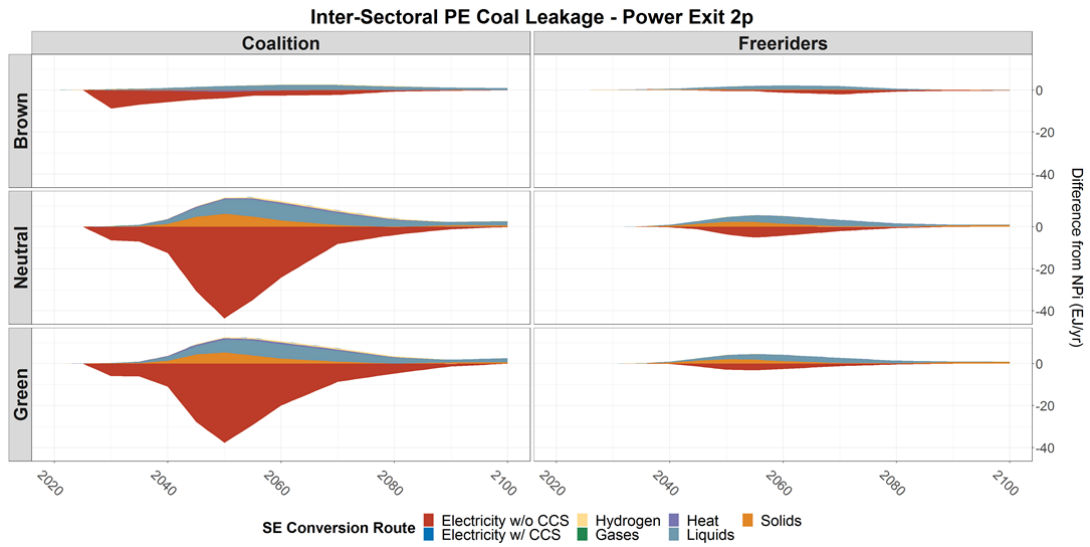
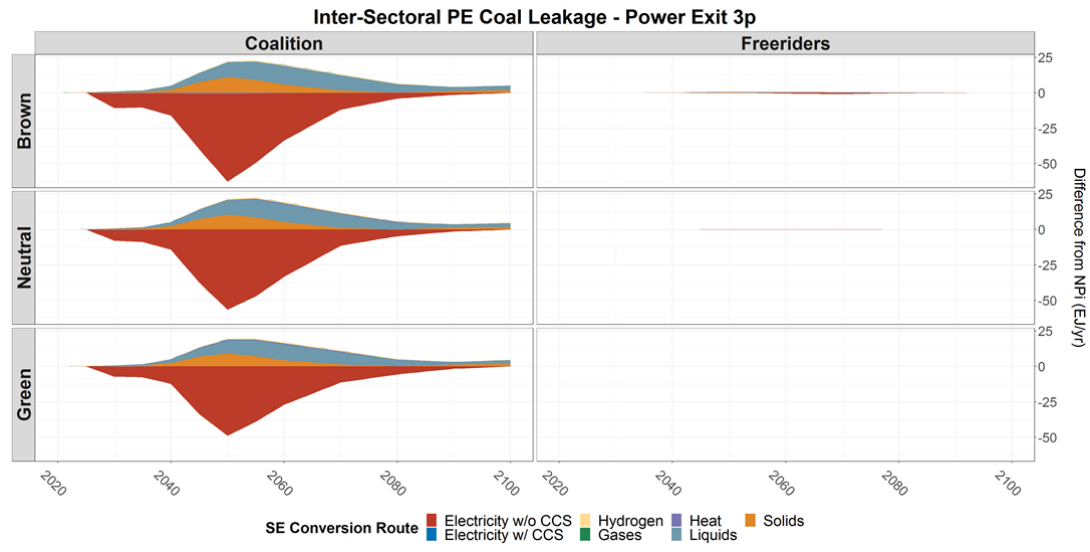


Figure SF1. Coalition scenarios returned by CoaLogit for power-exit (a-i) and demand-exit (j-u) policy scenarios. Includes the 2025 OECD accession stage (a-b; j-l) and 2045 non-OECD stage (c-l; m-u) for each policy scenario following each Covid recovery.

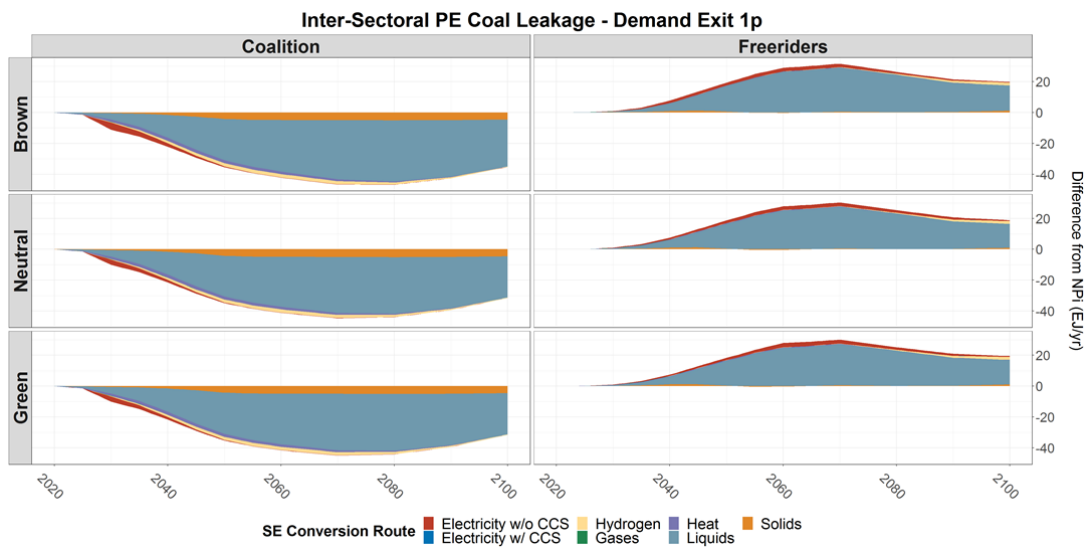




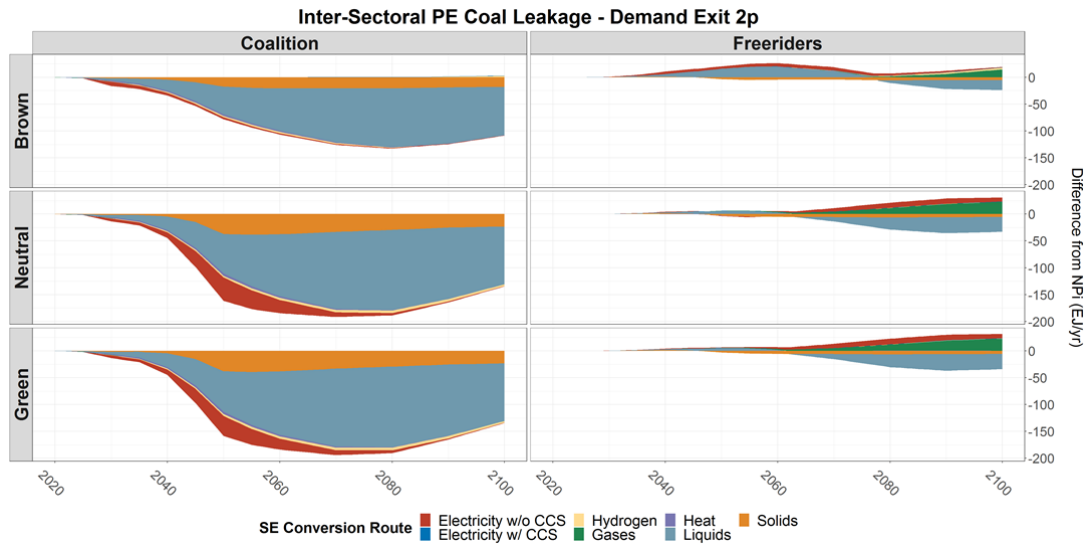
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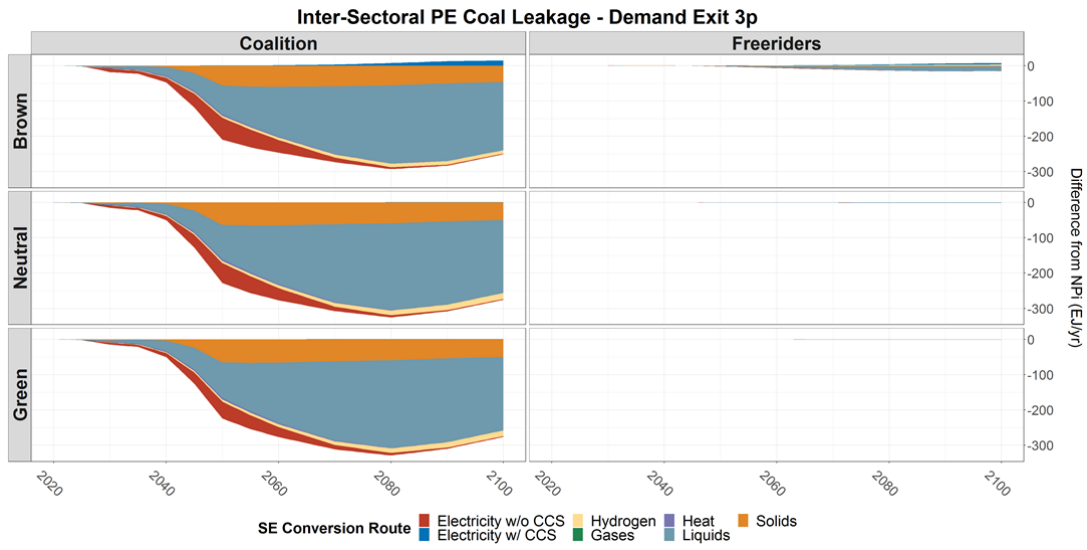
31 c)



32 d)



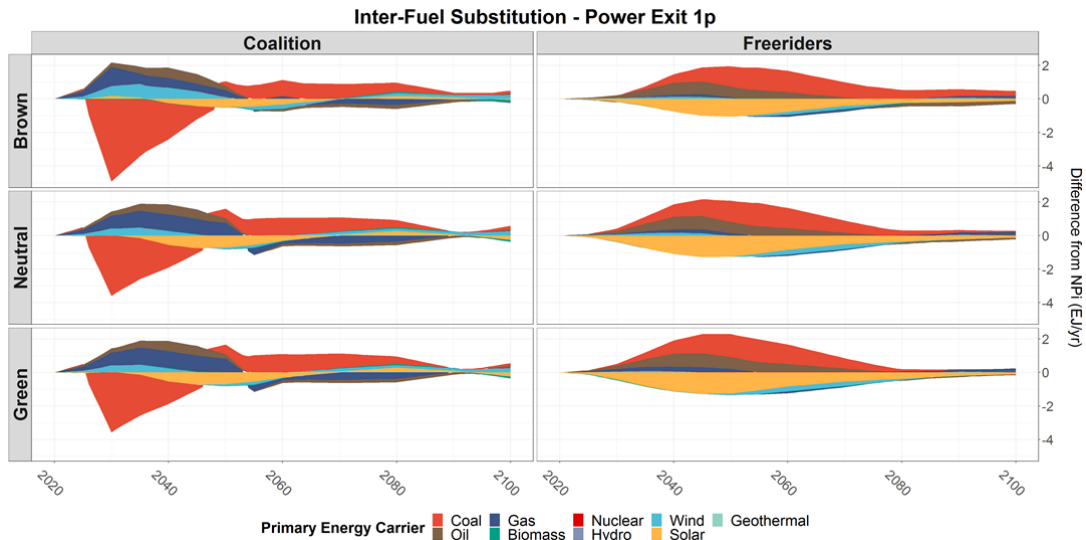
33 e)



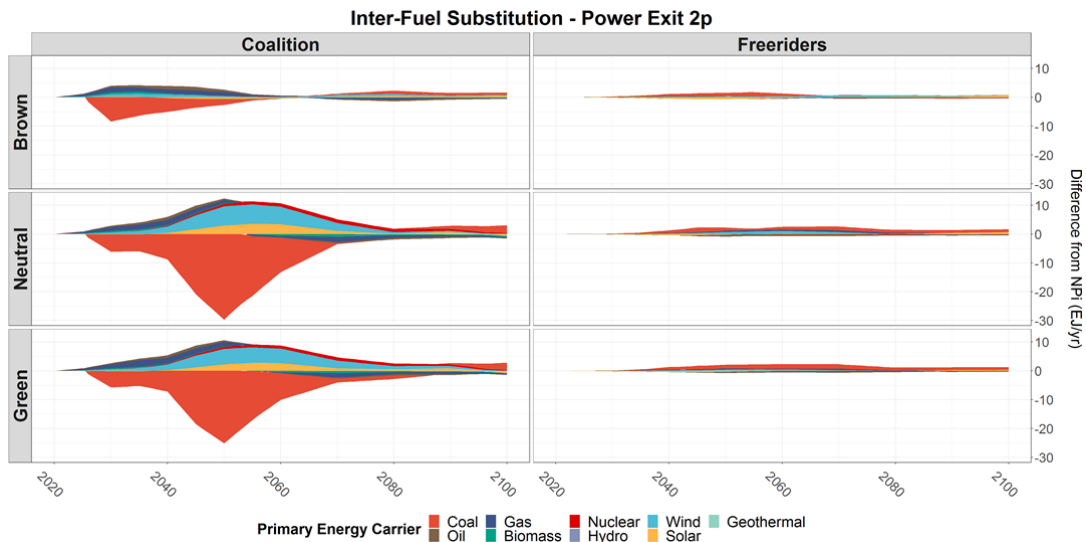
34 f)

35 **Figure SF2. Coal market response to *power-exit* (a-c) and *demand-exit* (d-f) policy scenarios. Note that the y-**
 36 **scales vary significantly.**

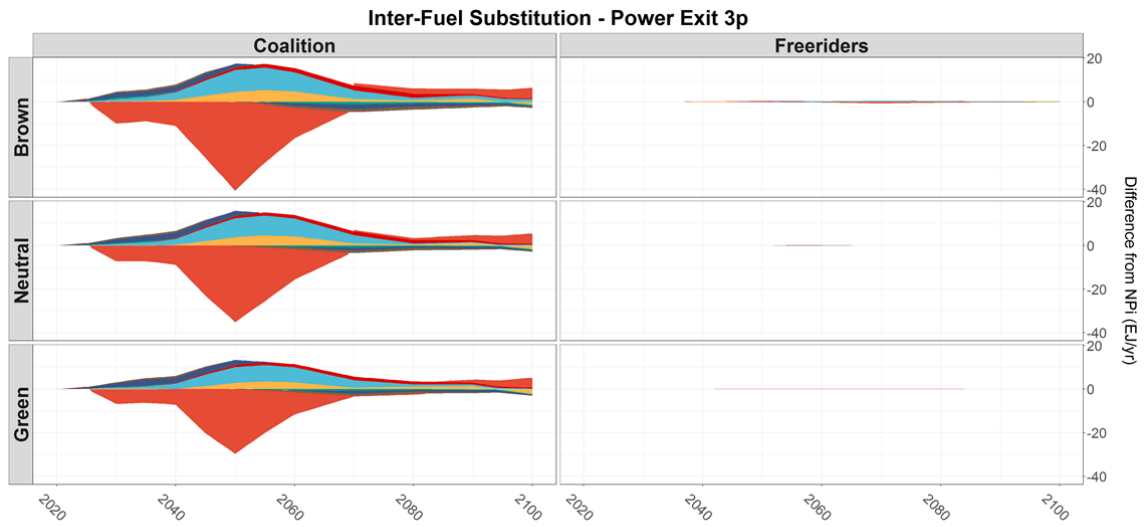
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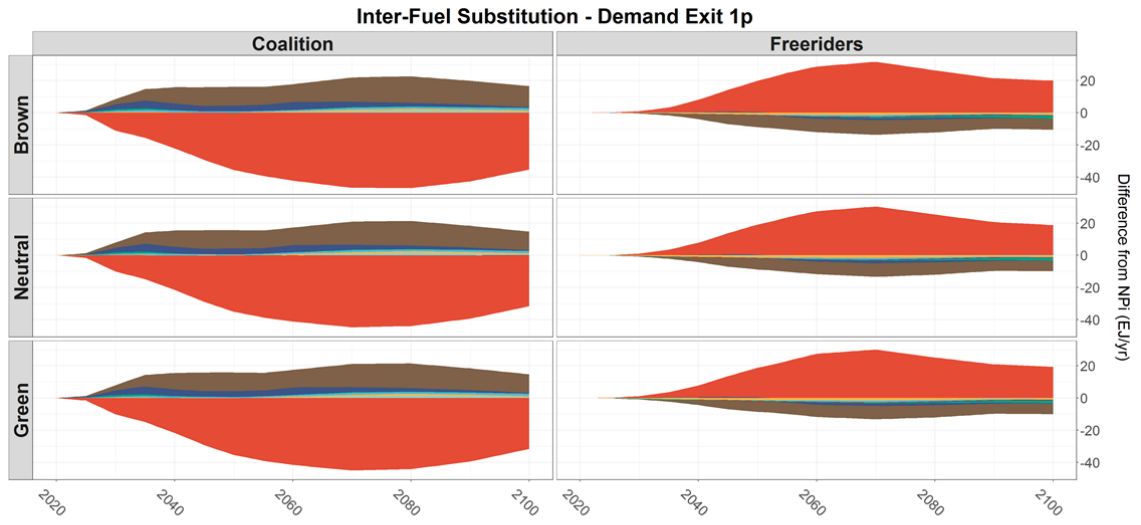
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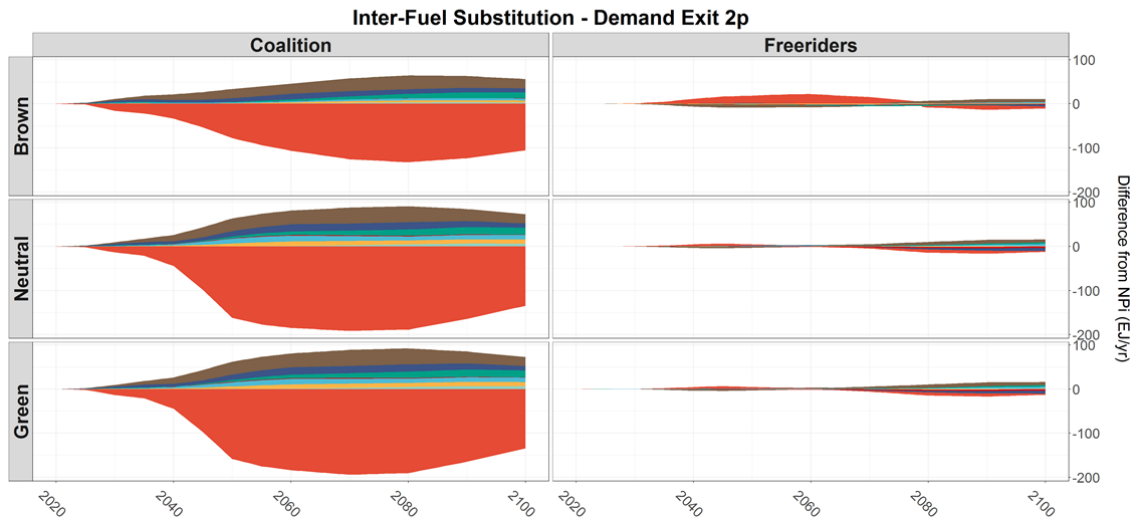
39 b)



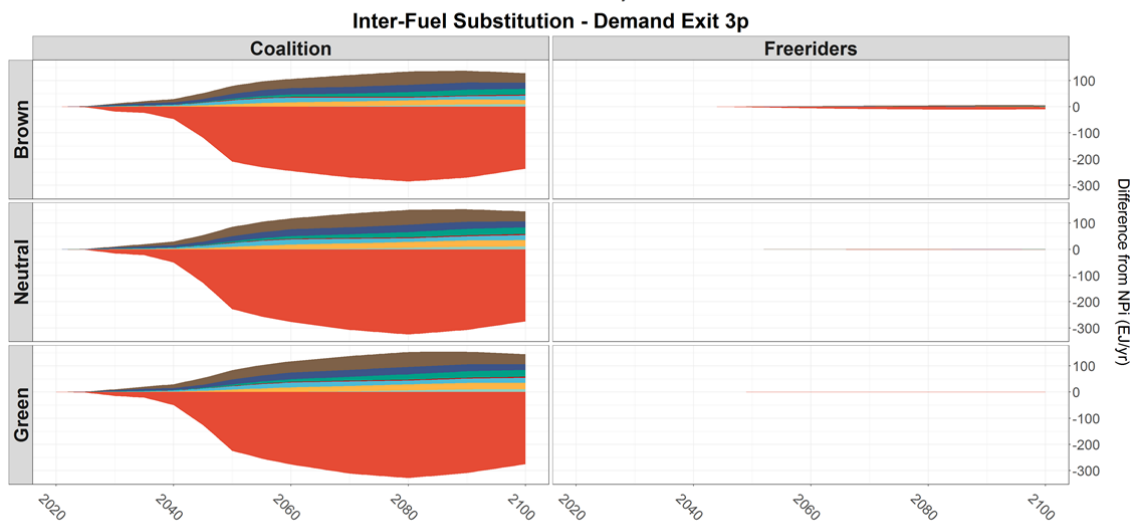
40 c)



41 d)

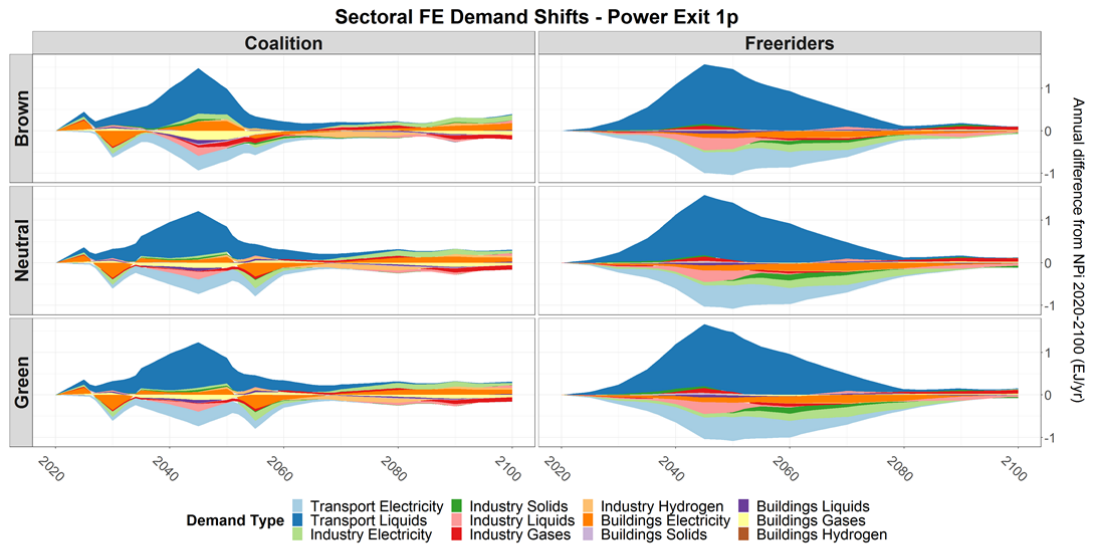


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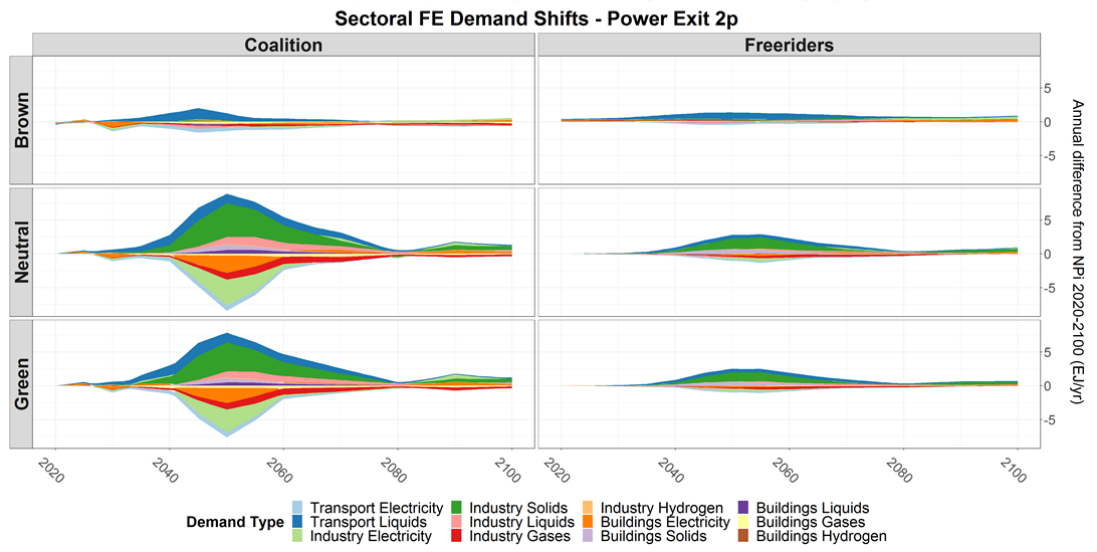


43 f)

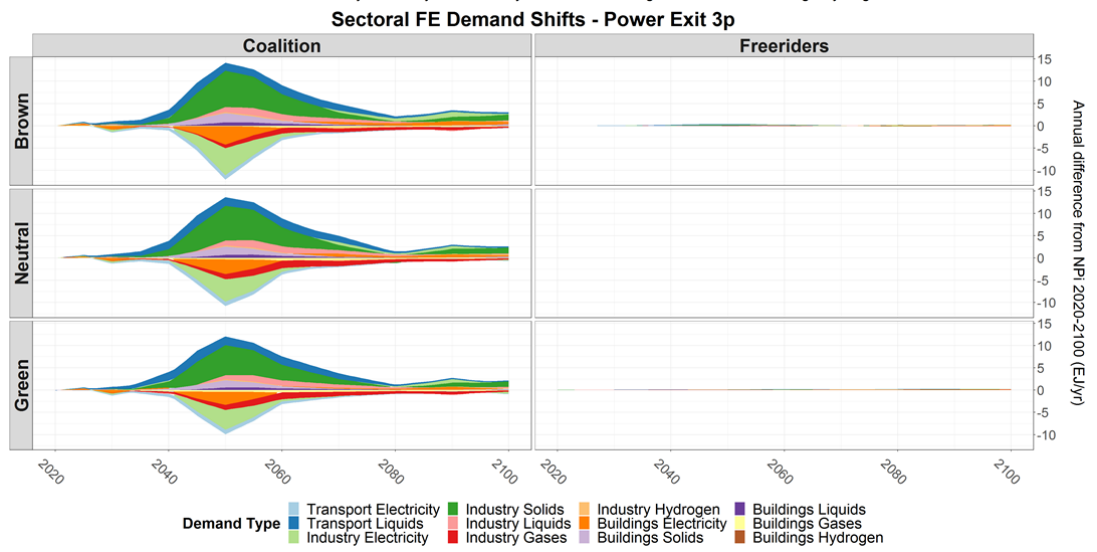
44 **Figure SF3. Energy system response to all *power-exit* (a-c) and *demand-exit* (d-f) policy scenarios. Note that**
 45 **the y-scales vary significantly.**



a)



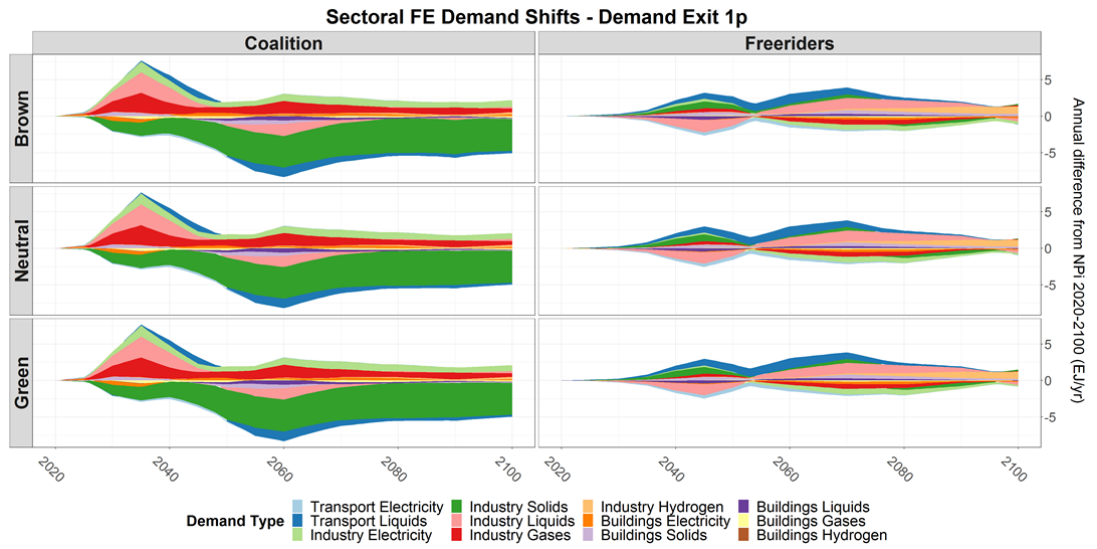
b)



c)

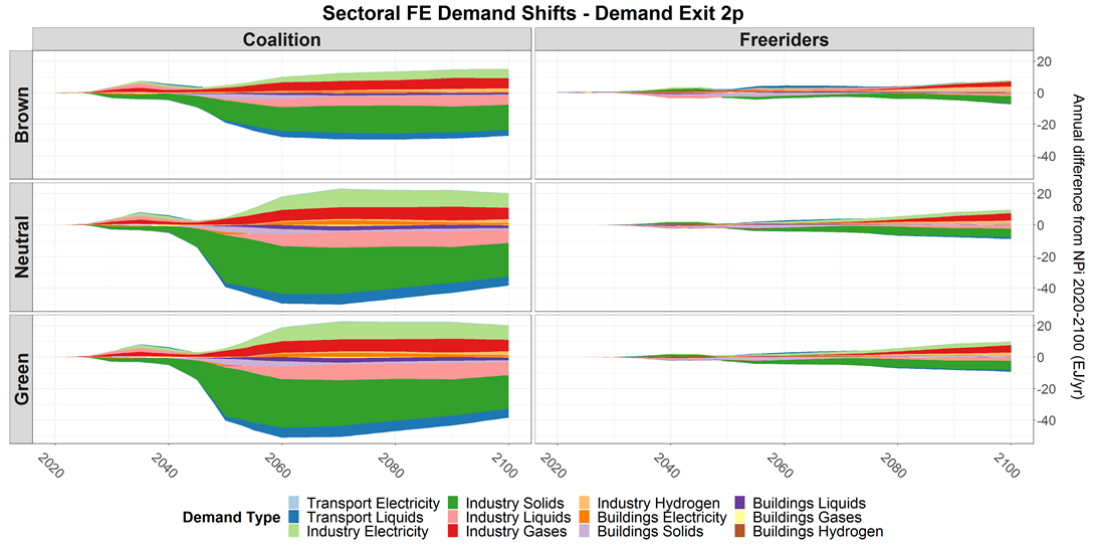
50

d)



51

e)



52

f)

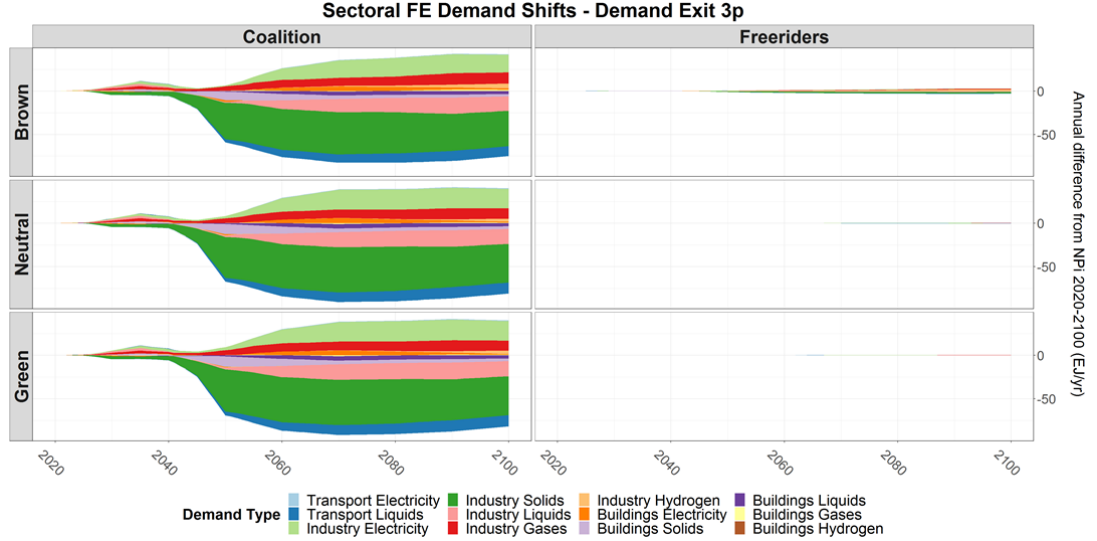


Figure SF4. Impacts of the *power-exit* (a-c) and *demand-exit* (d-f) policy scenarios on final energy (FE) consumption in each sector. Not shown are gases and hydrogen use in transport, and heat used in industry and buildings. Note that the y-scales vary significantly.