RFP pathways report

Hilaire et al. (2022)

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This report is generated automatically from the R-Markdown file rfp\_report\_doc\_final.Rmd.

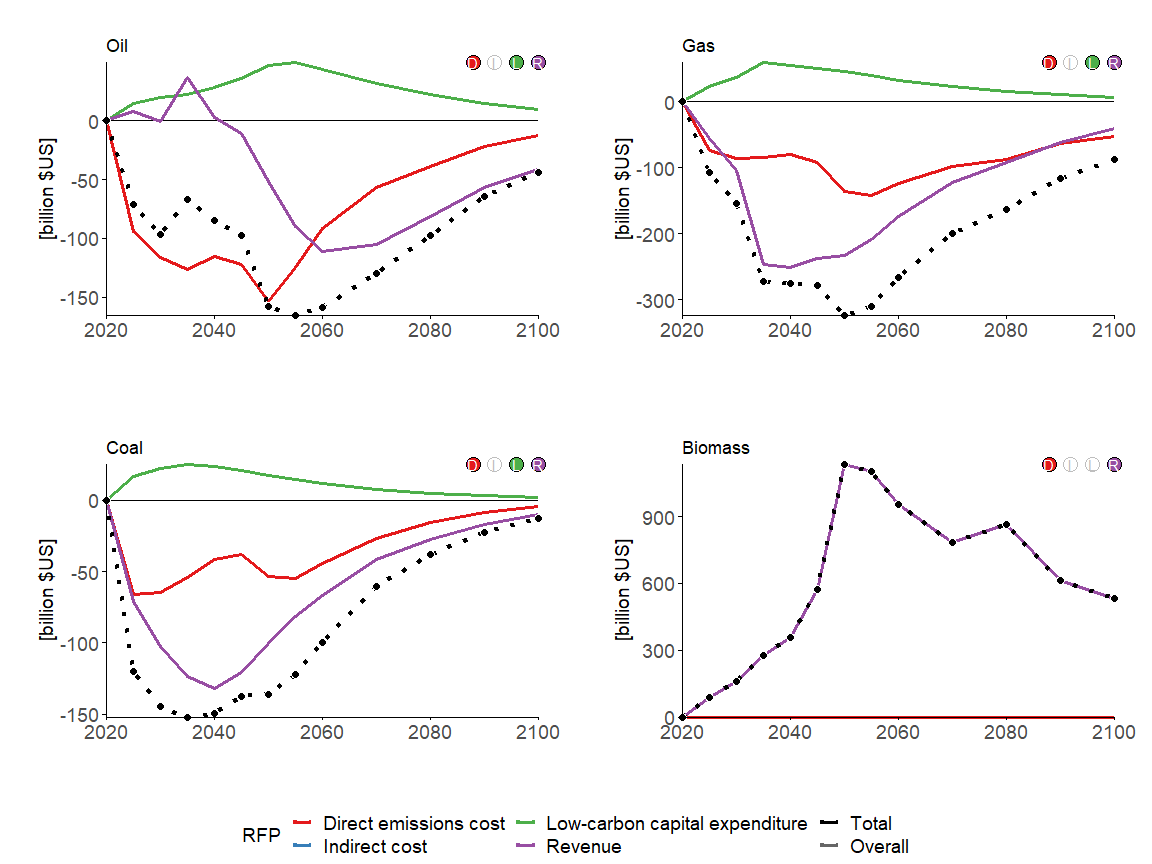
# World

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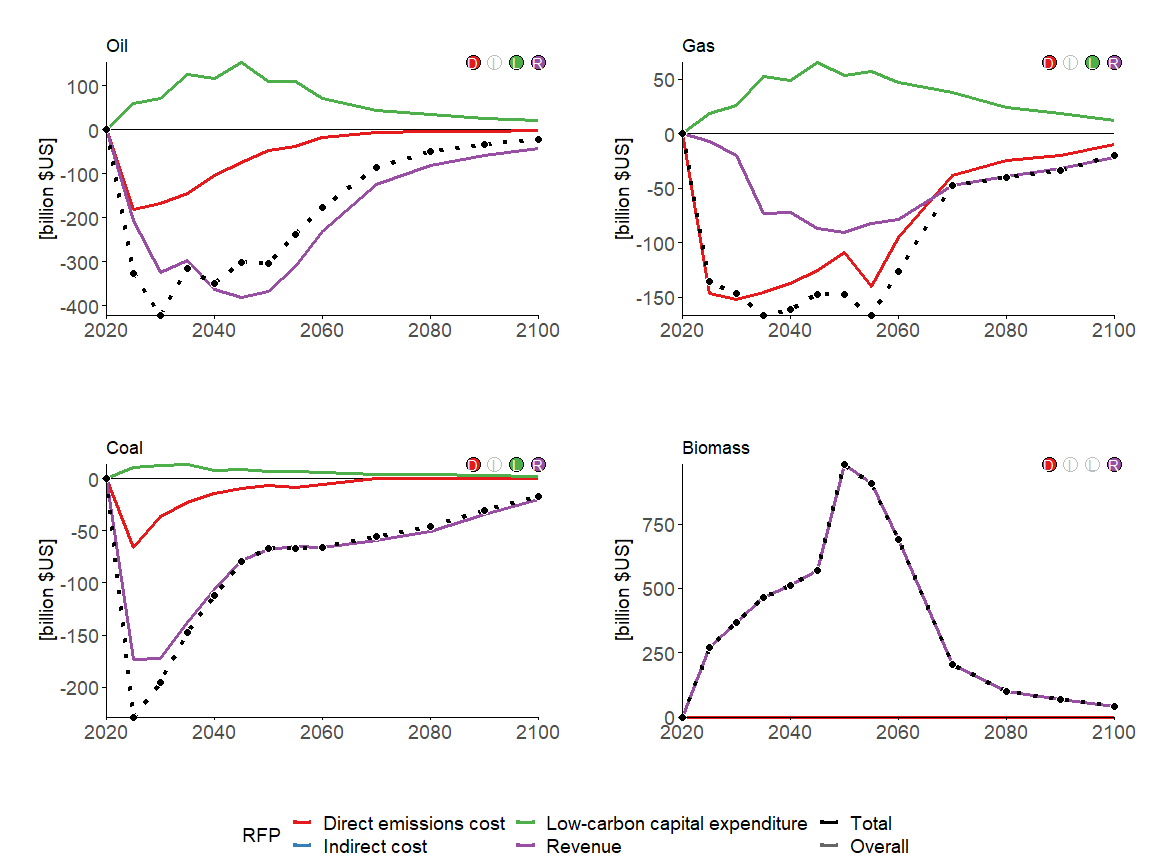
## Primary energy production

section\_variables <- c("Energy Supply|Production|Oil", "Energy Supply|Production|Gas", "Energy Supply|Production|Coal", "Energy Supply|Production|Biomass")

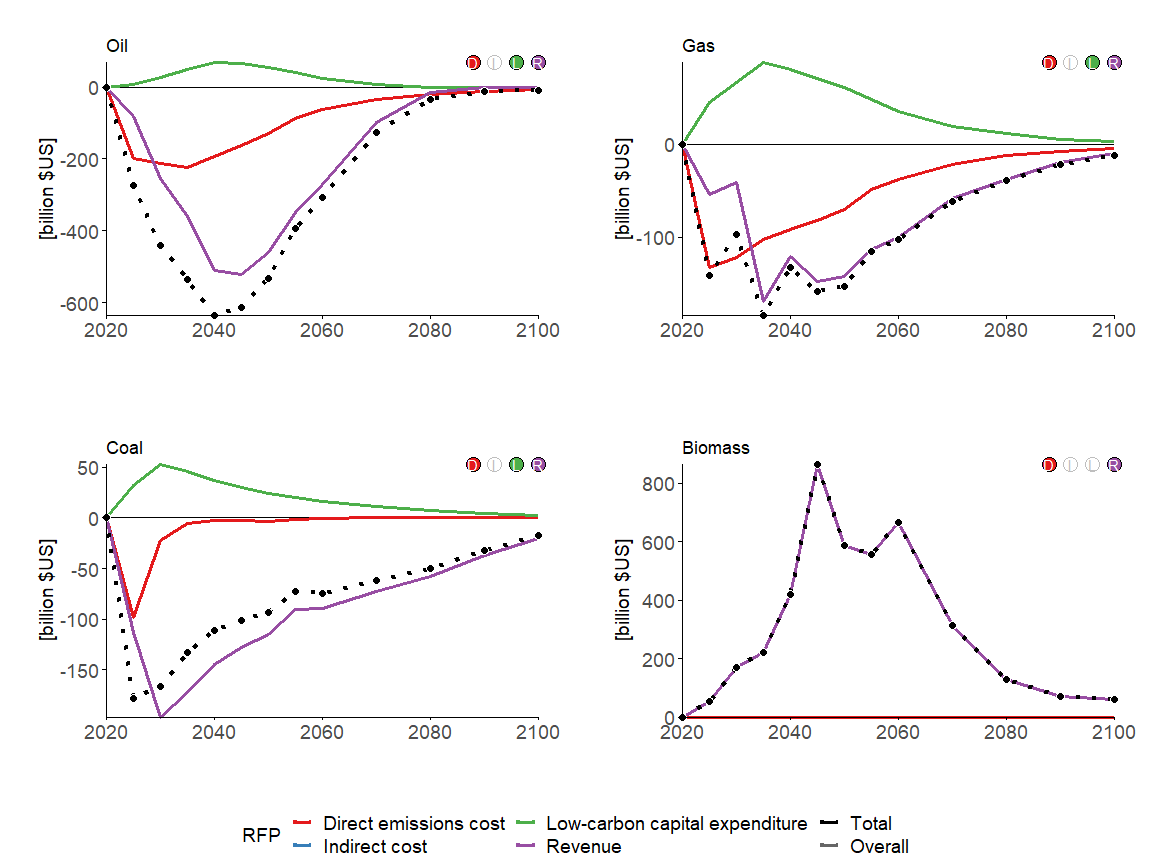
### GCAM



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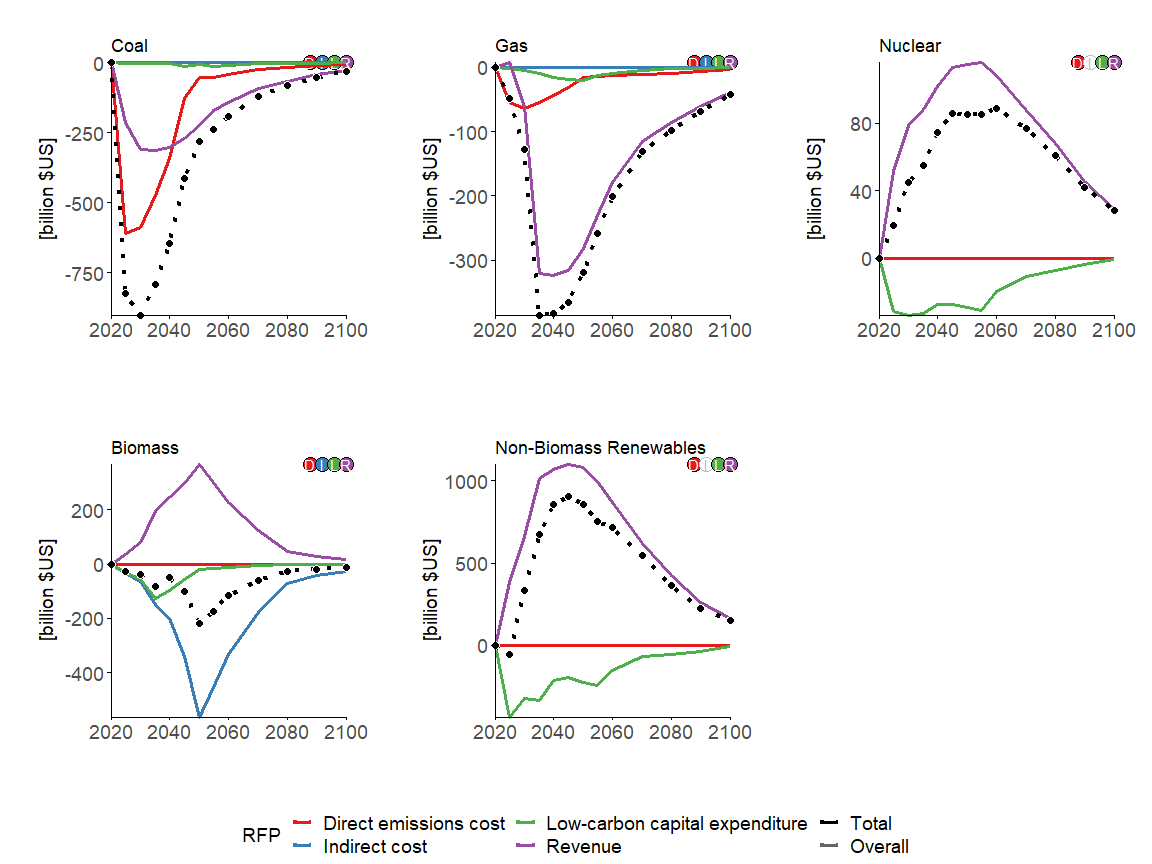
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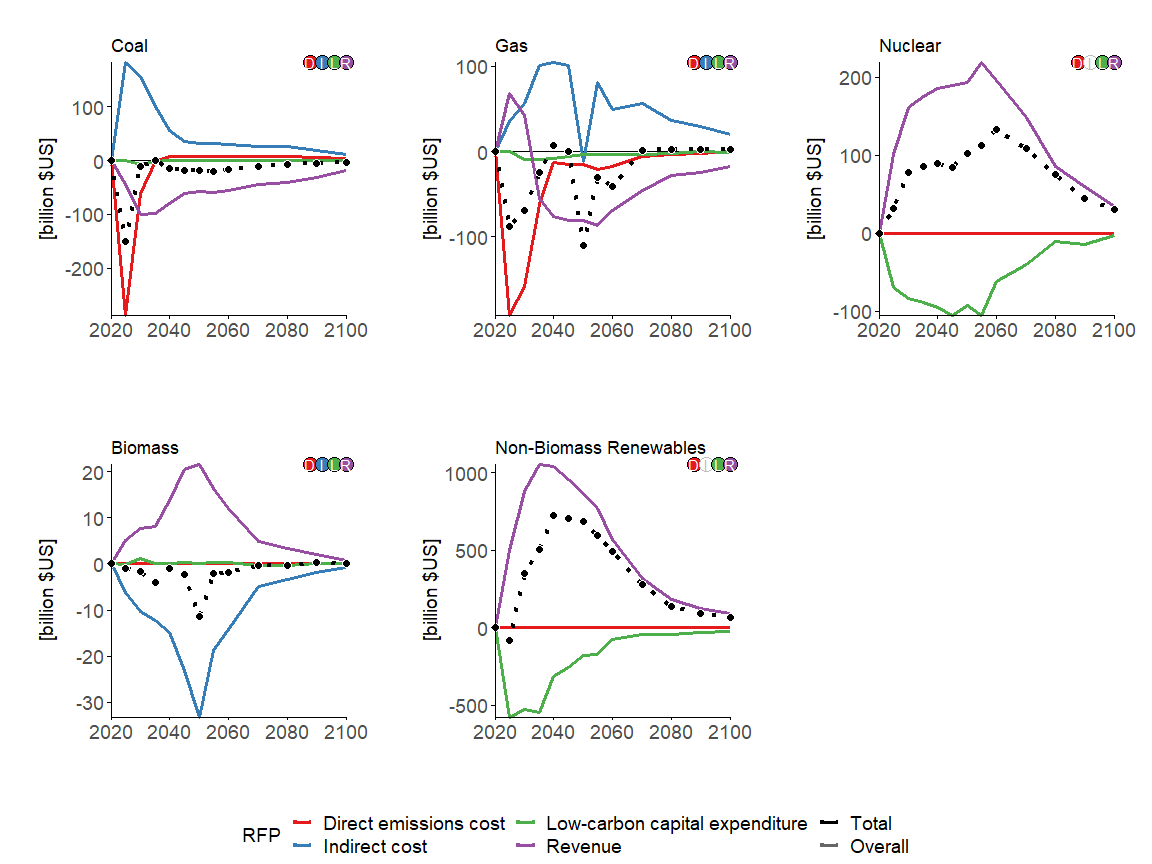
## Electric utilities

section\_variables <- c("Energy Supply|Electric Utilities|Coal", "Energy Supply|Electric Utilities|Gas", "Energy Supply|Electric Utilities|Nuclear", "Energy Supply|Electric Utilities|Biomass", "Energy Supply|Electric Utilities|Non-Biomass Renewables")

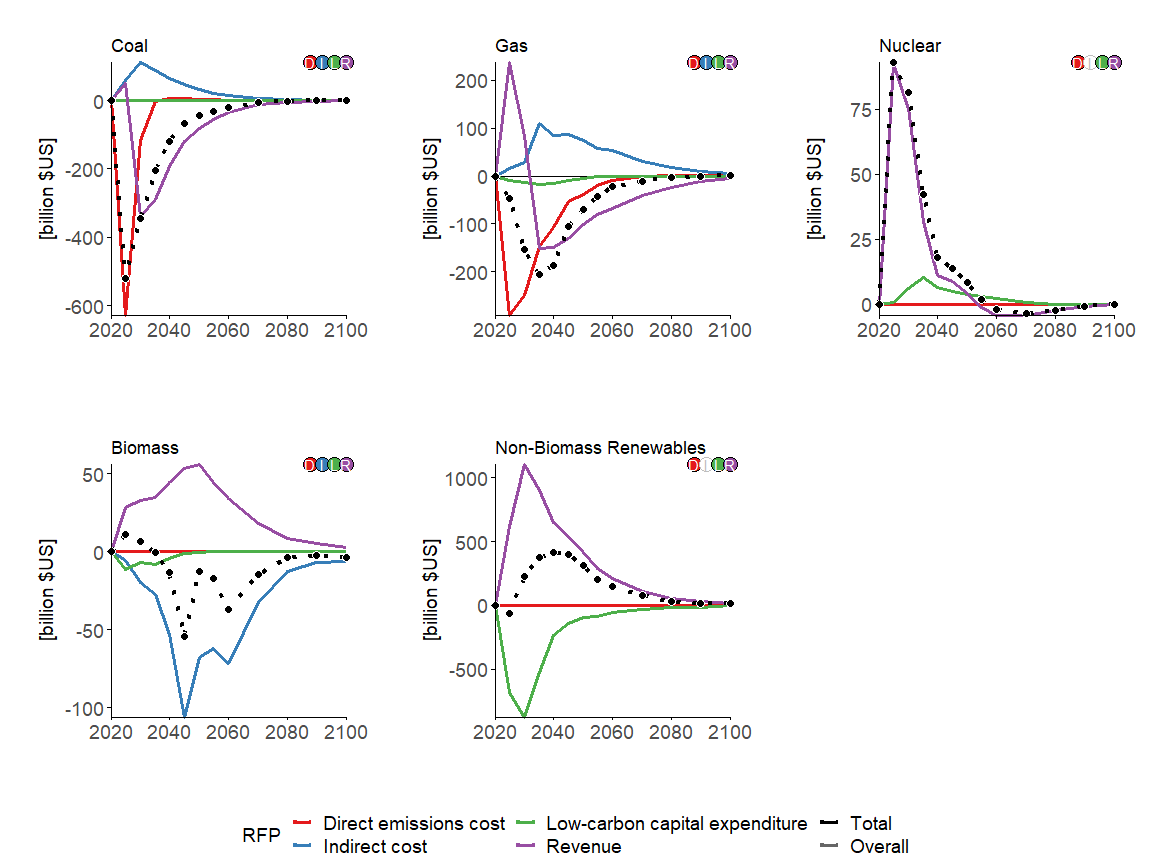
### GCAM



### MESSAGEix-GLOBIOM



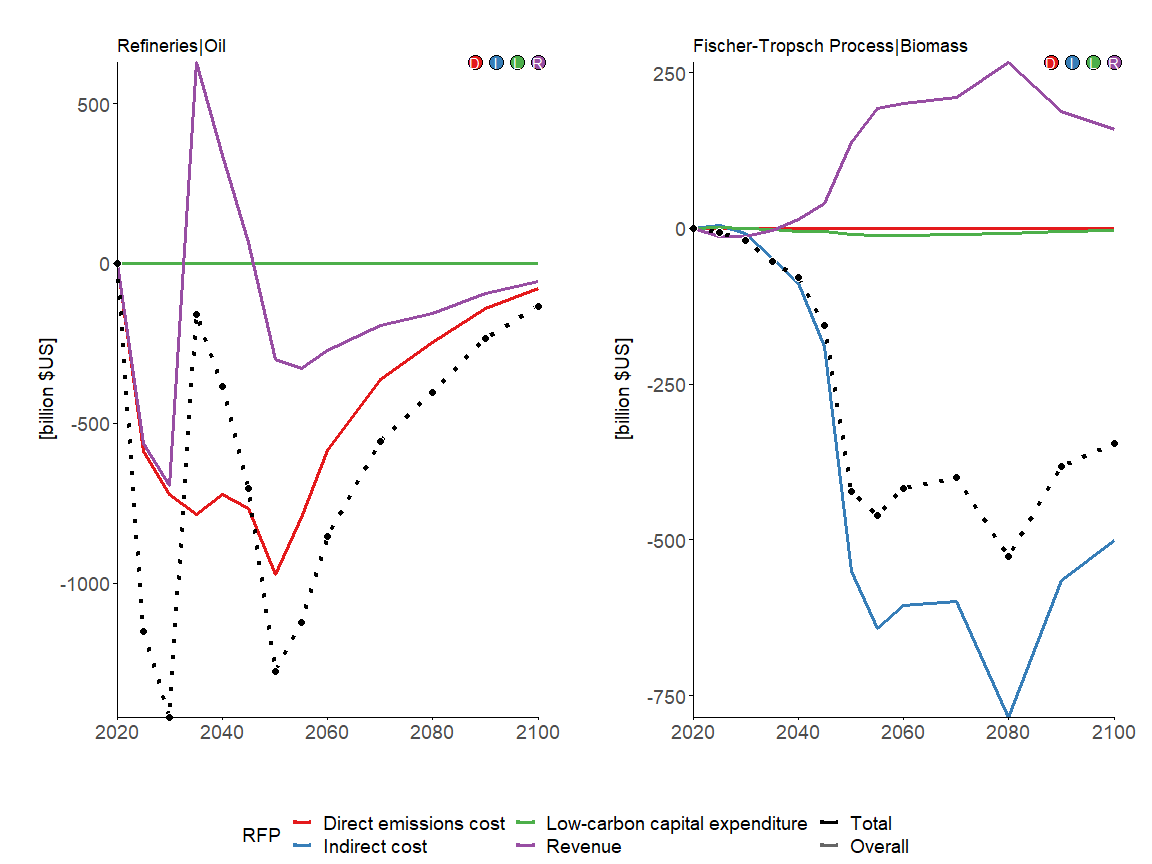
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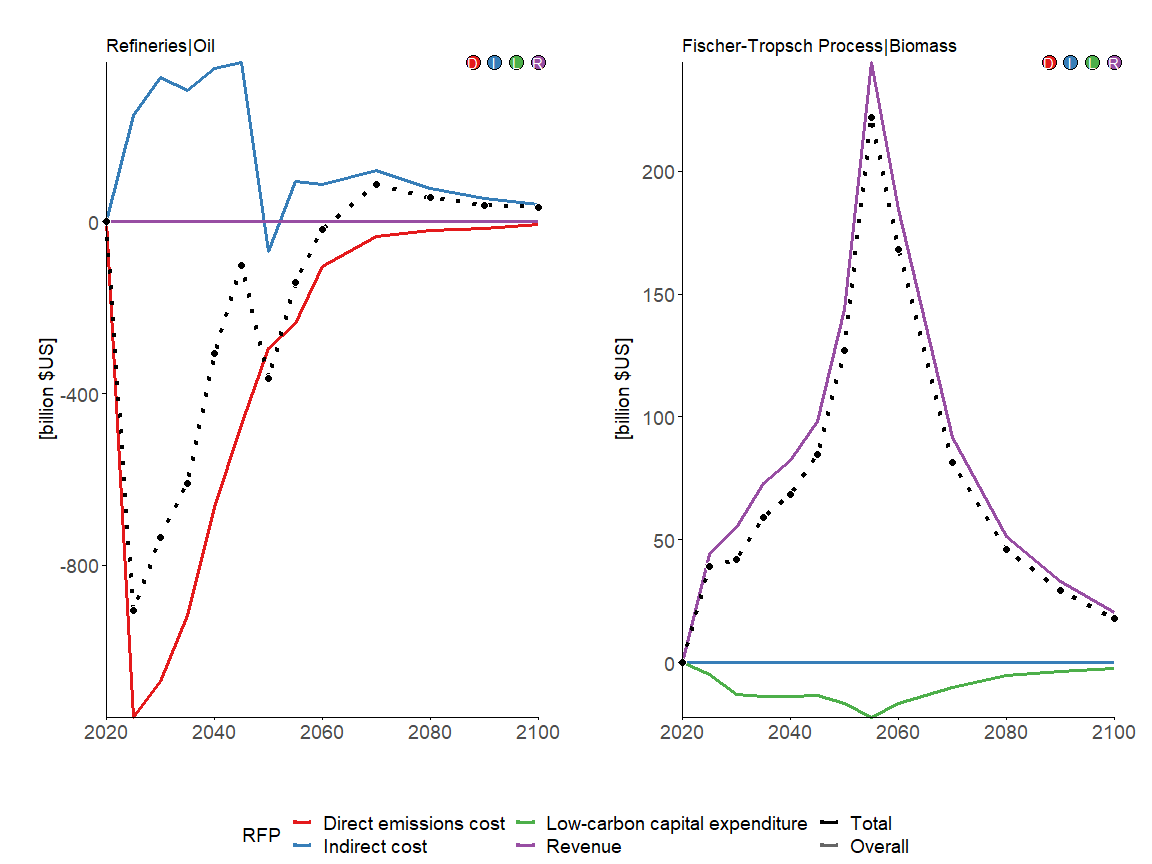
## Liquids fuels

section\_variables <- c("Energy Supply|Refineries|Oil", "Energy Supply|Fischer-Tropsch Process|Biomass")

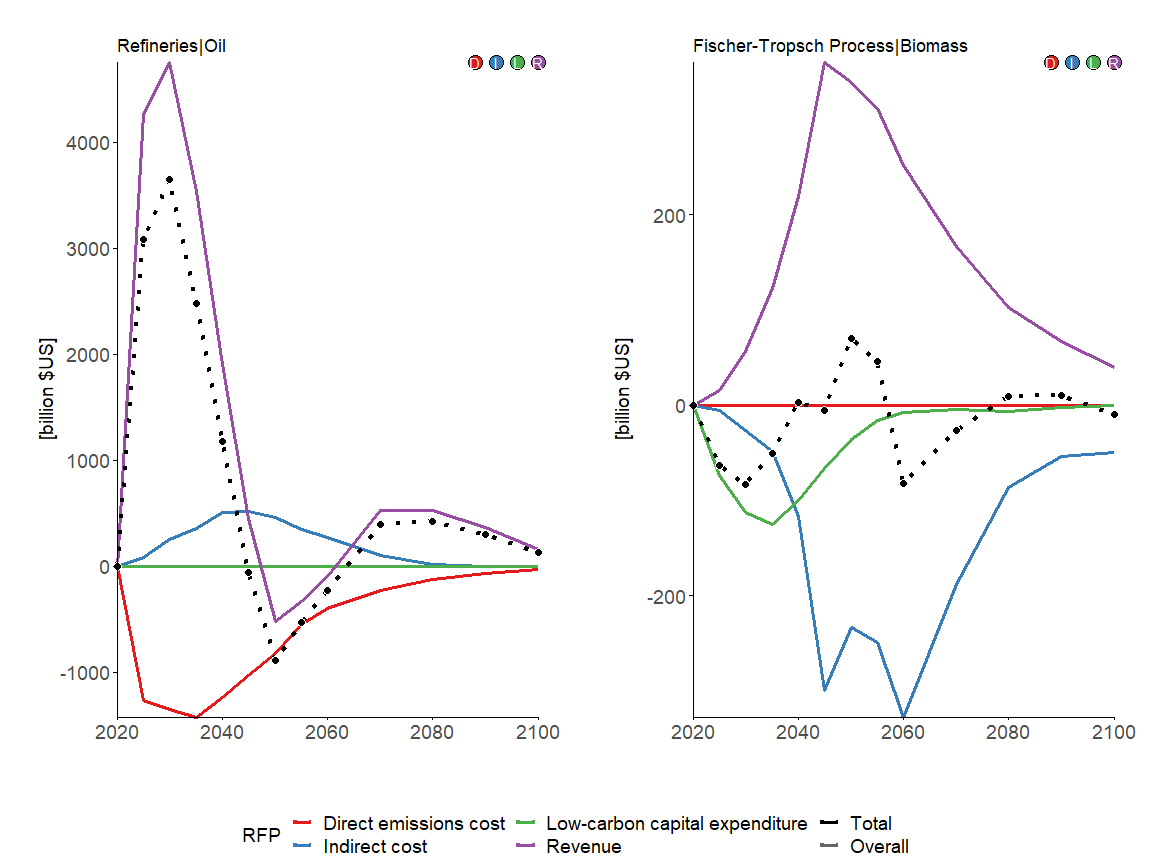
### GCAM



### MESSAGEix-GLOBIOM



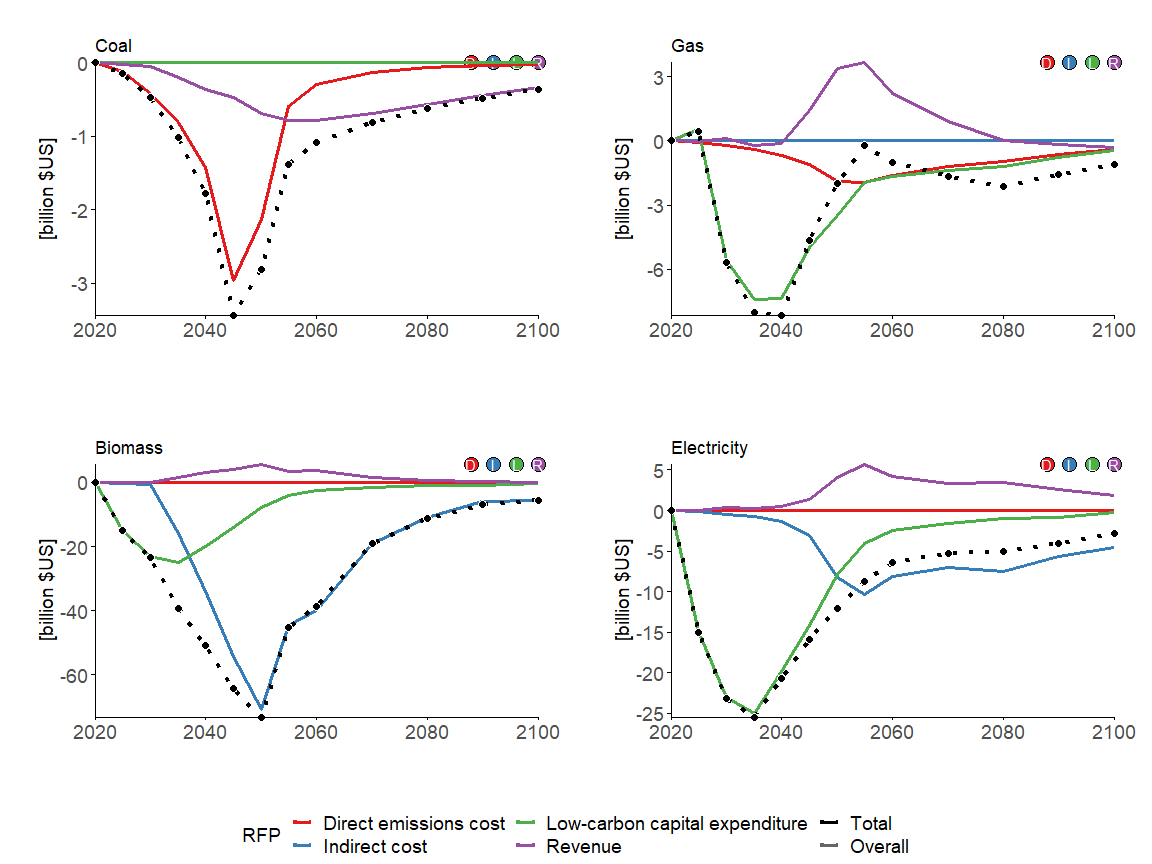
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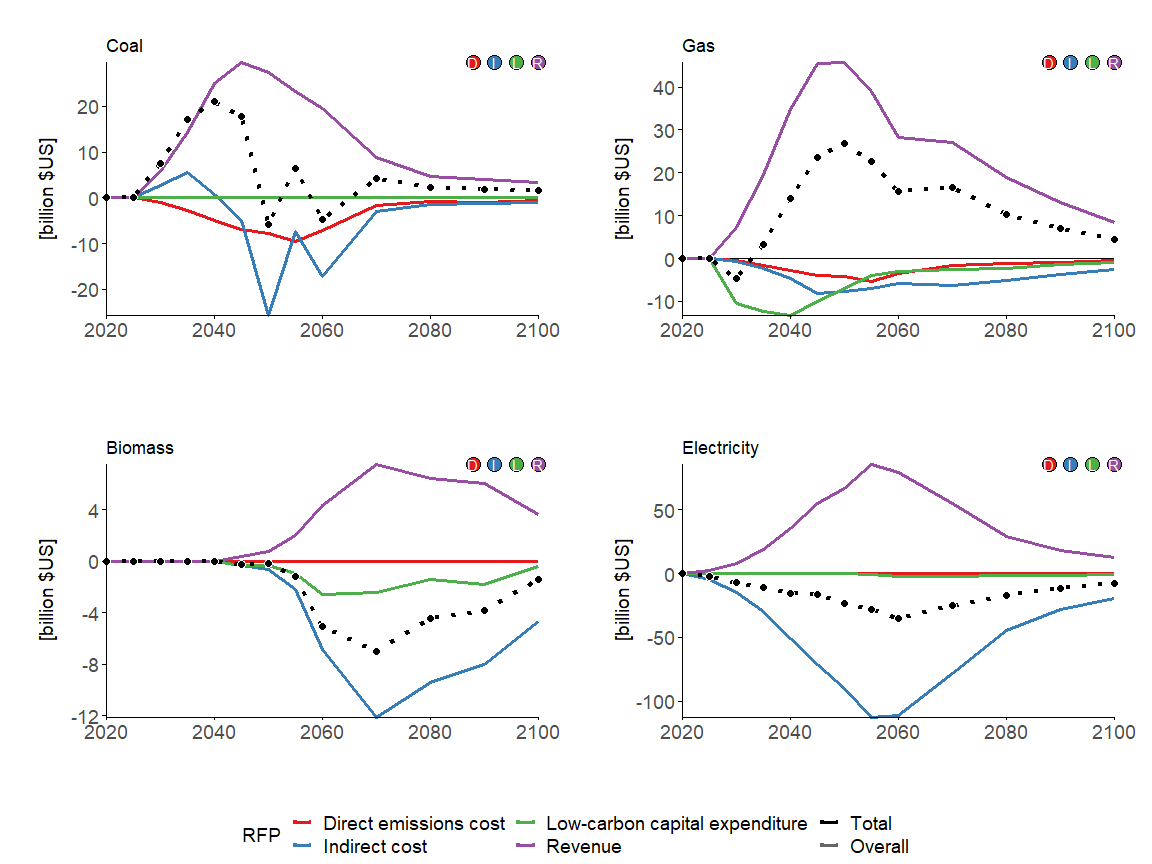
## Hydrogen plants

section\_variables <- c("Energy Supply|Hydrogen Plants|Coal", "Energy Supply|Hydrogen Plants|Gas", "Energy Supply|Hydrogen Plants|Biomass", "Energy Supply|Hydrogen Plants|Electricity")

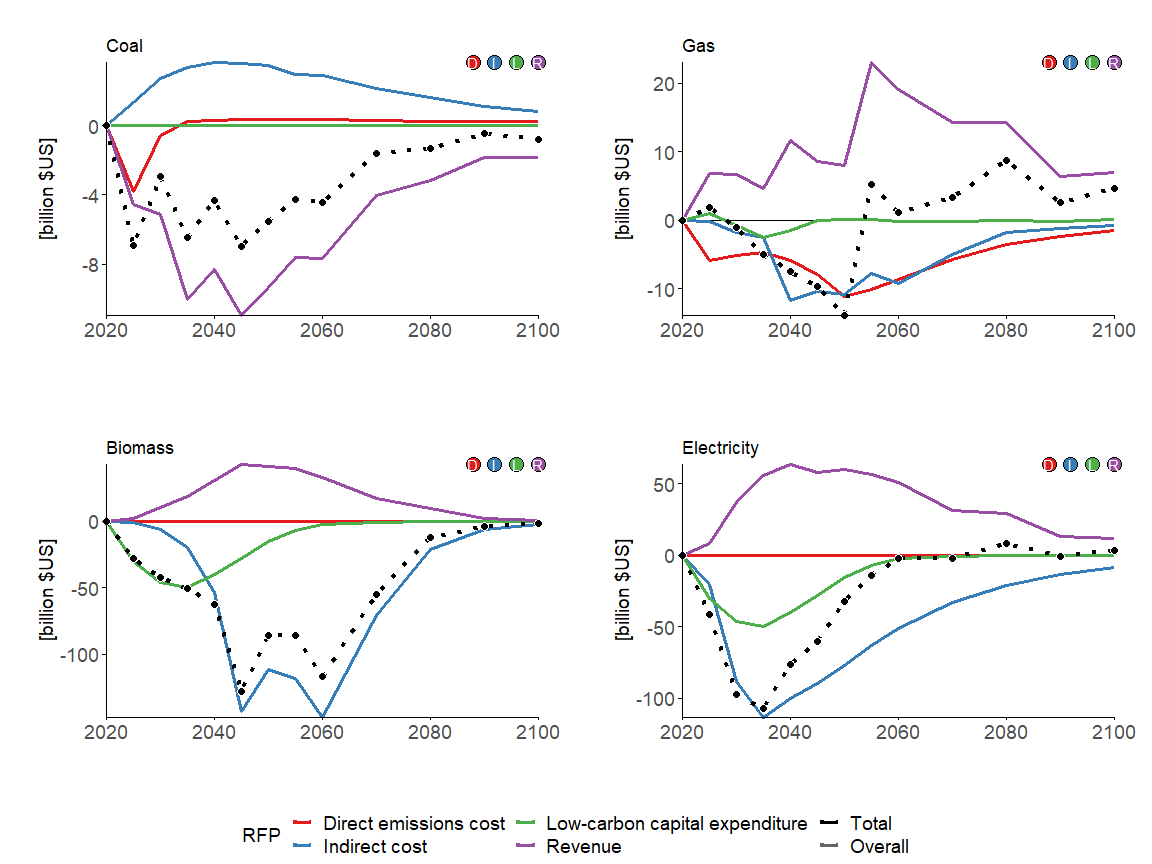
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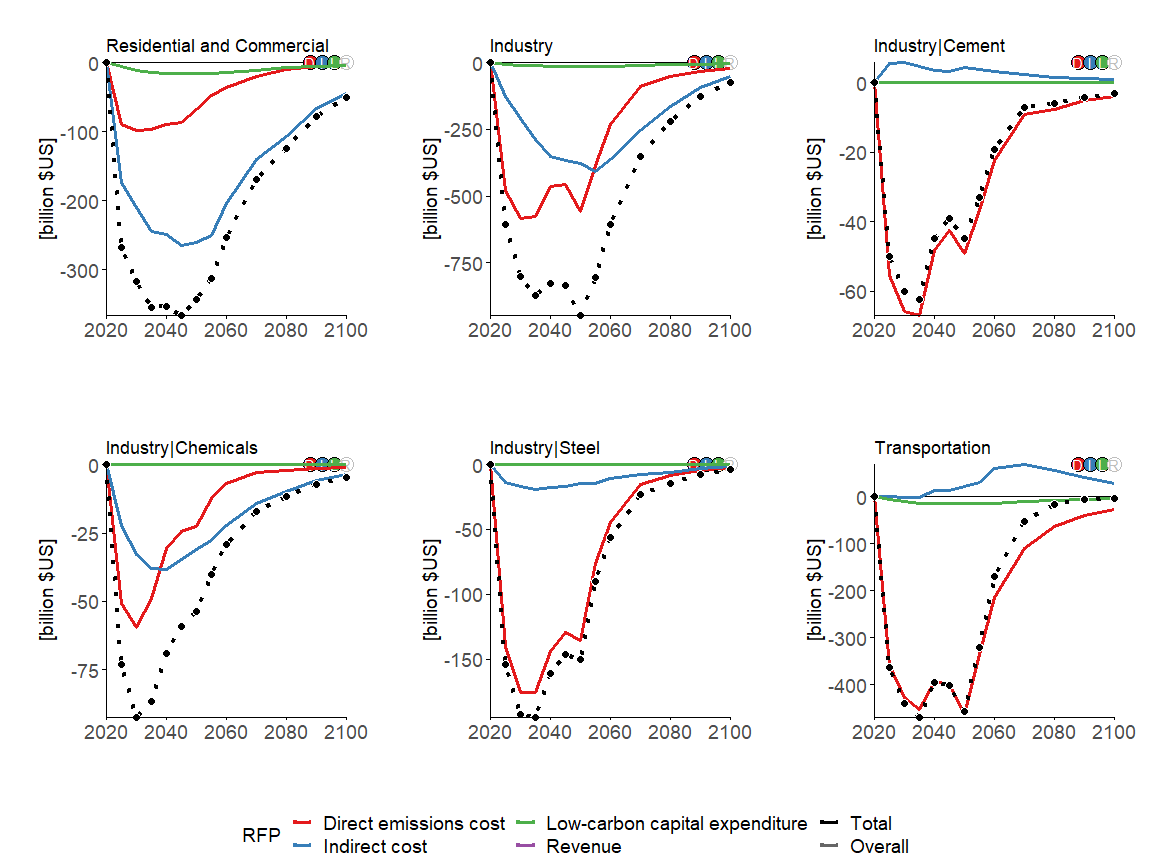
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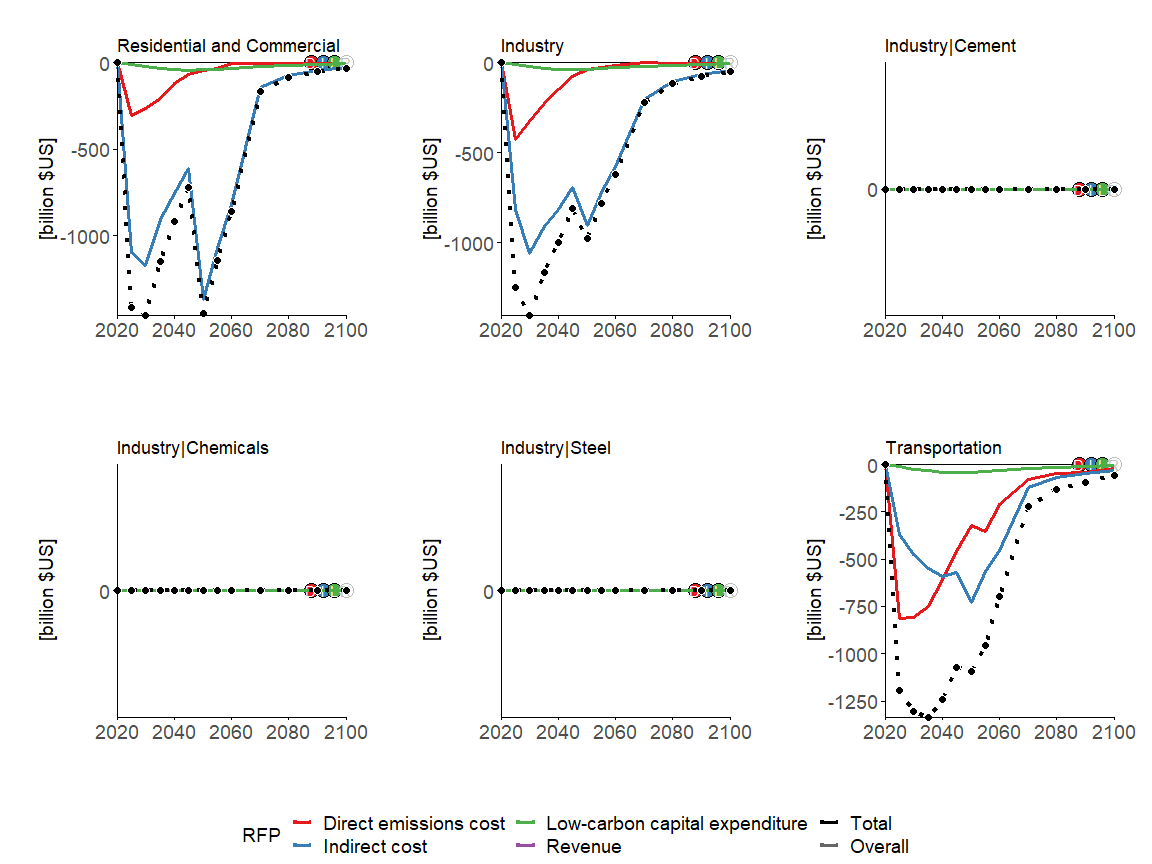
## End-use energy sectors

section\_variables <- c("End-Use|Residential and Commercial", "End-Use|Industry", "End-Use|Industry|Cement", "End-Use|Industry|Chemicals", "End-Use|Industry|Steel", "End-Use|Transportation")

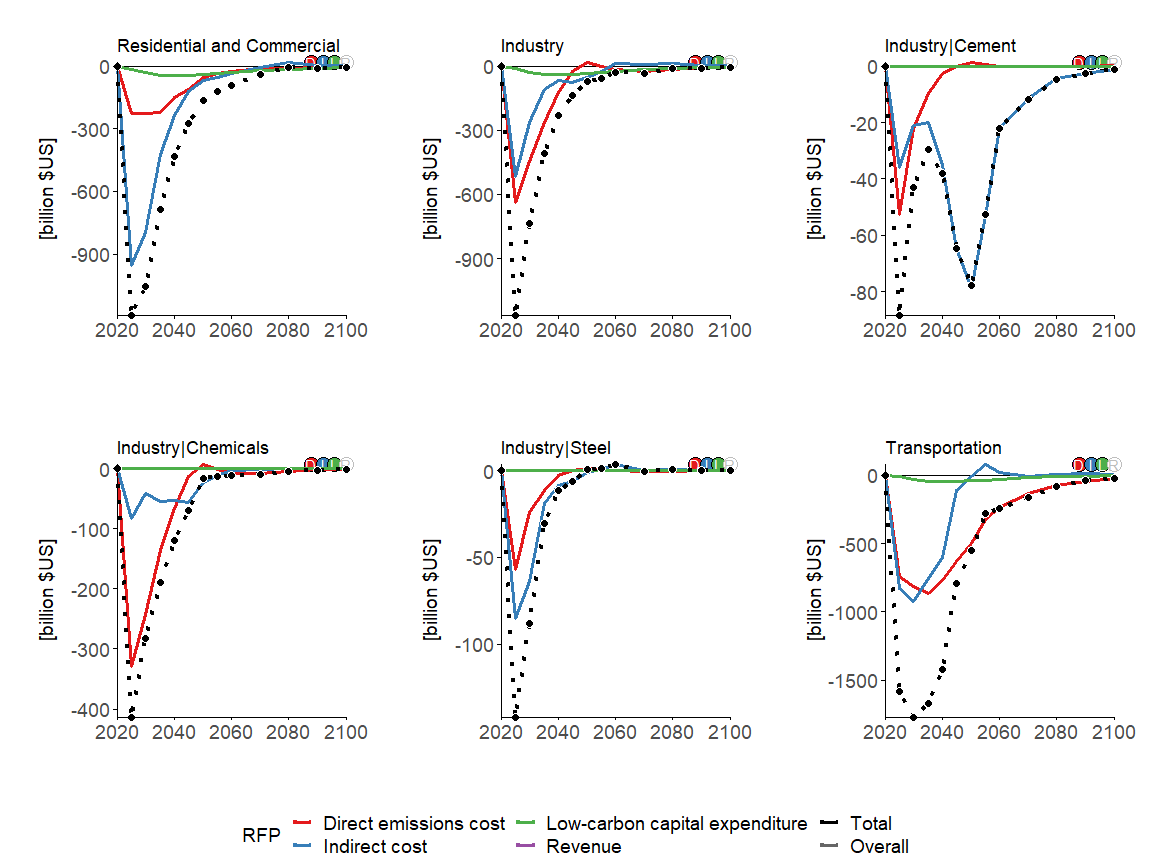
### GCAM



### MESSAGEix-GLOBIOM



### REMIND-MAgPIE



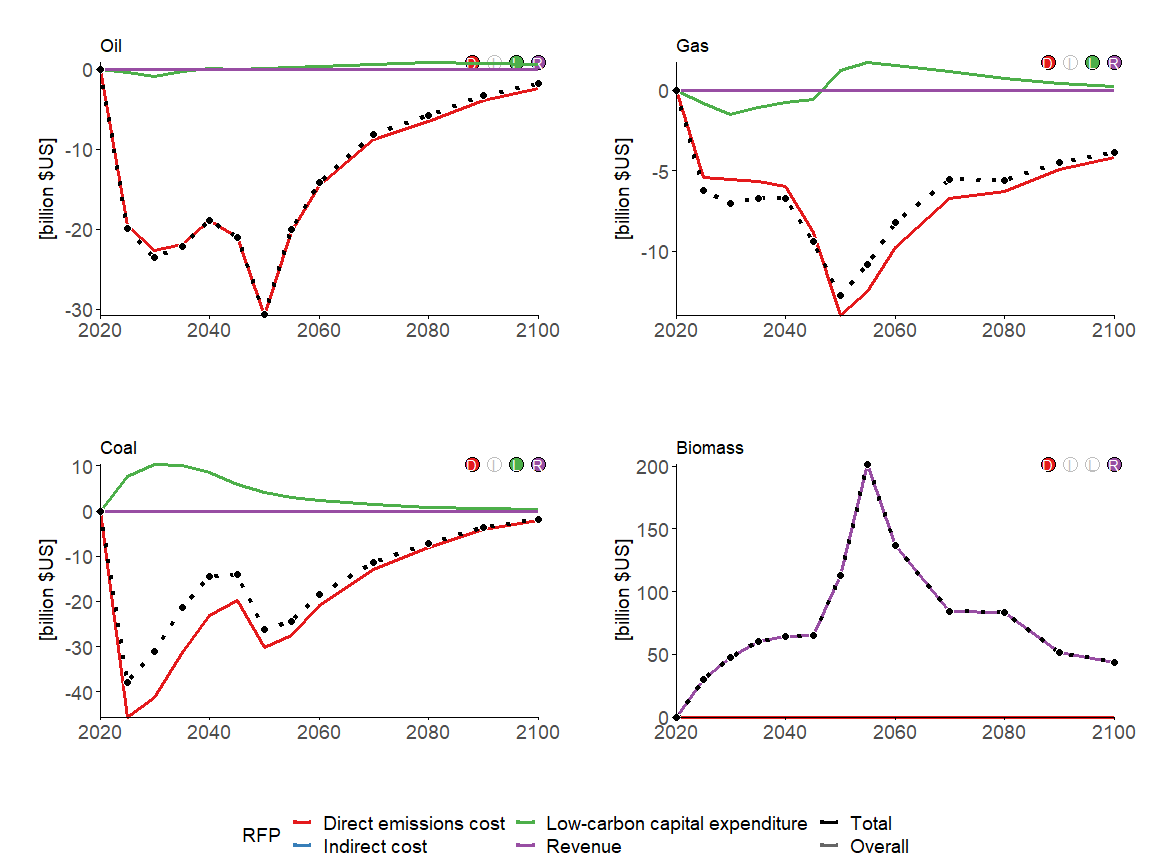
# China

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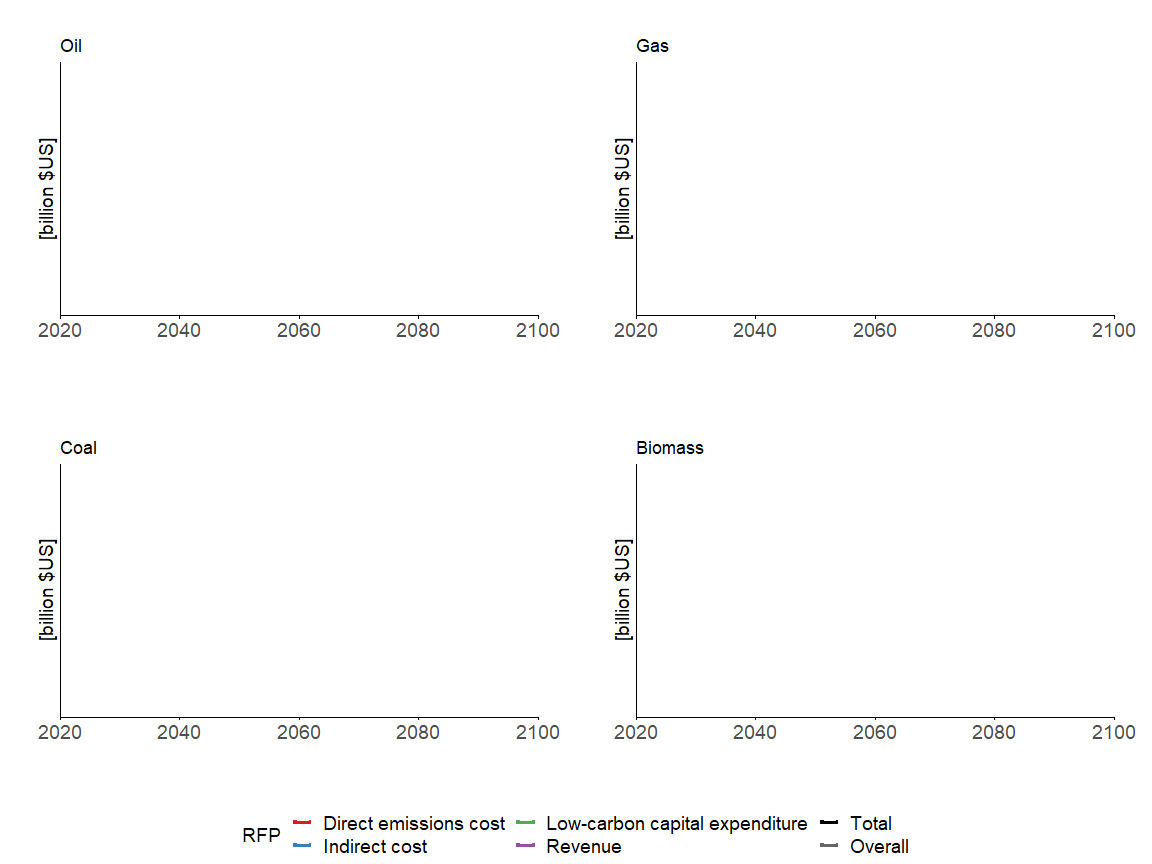
## Primary energy production

section\_variables <- c("Energy Supply|Production|Oil", "Energy Supply|Production|Gas", "Energy Supply|Production|Coal", "Energy Supply|Production|Biomass")

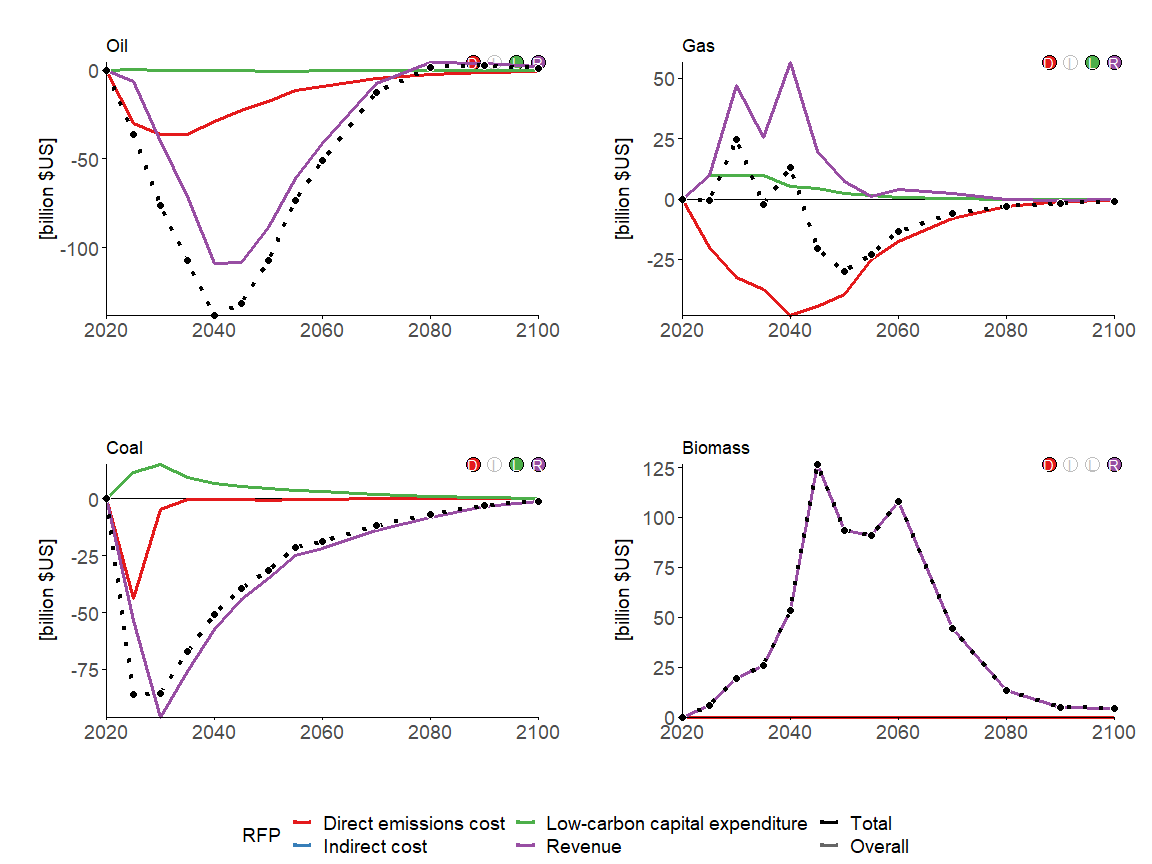
### GCAM



### MESSAGEix-GLOBIOM



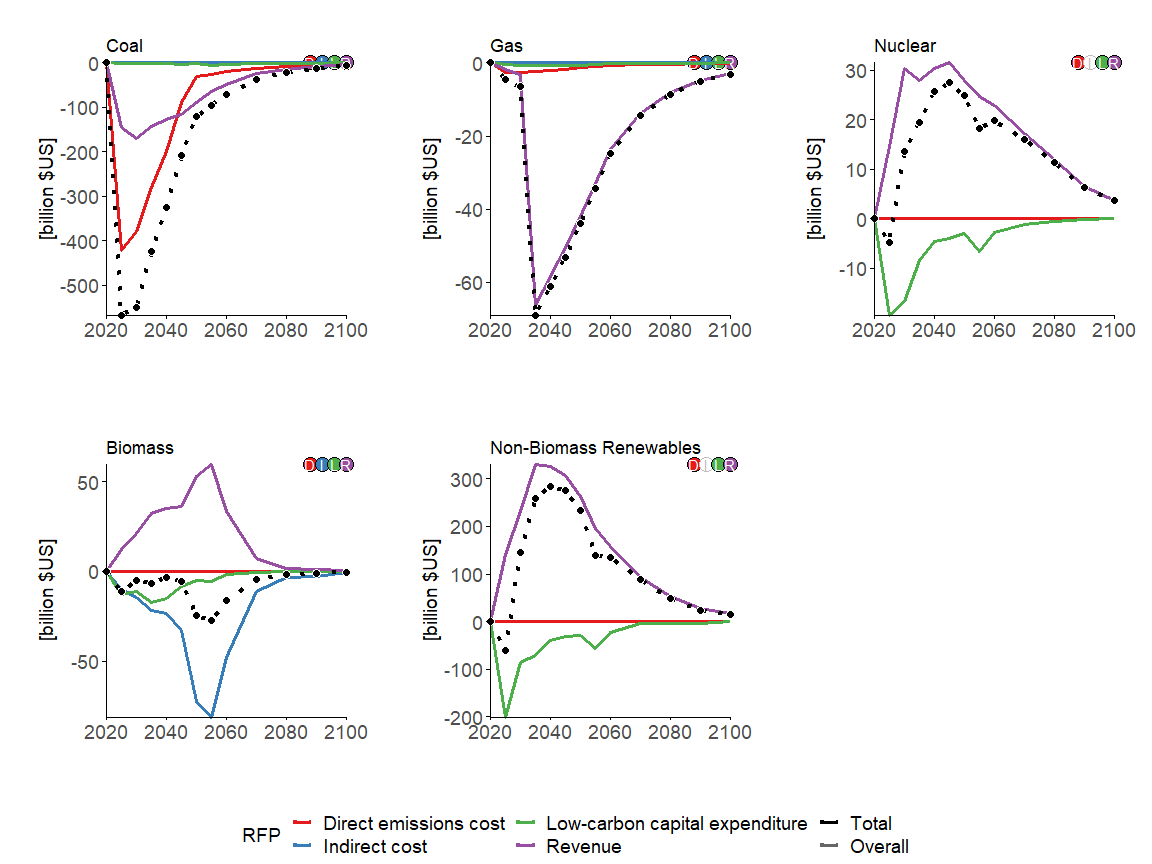
### REMIND-MAgPIE



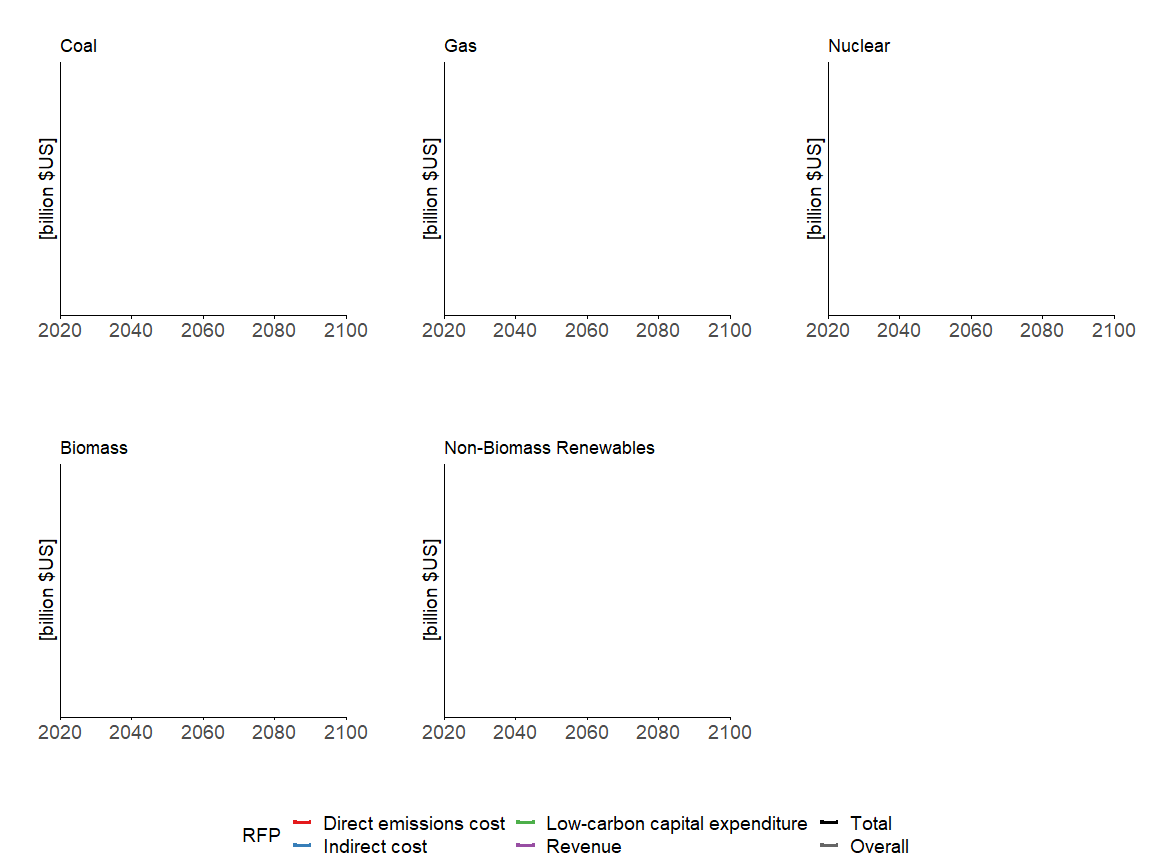
## Electric utilities

section\_variables <- c("Energy Supply|Electric Utilities|Coal", "Energy Supply|Electric Utilities|Gas", "Energy Supply|Electric Utilities|Nuclear", "Energy Supply|Electric Utilities|Biomass", "Energy Supply|Electric Utilities|Non-Biomass Renewables")

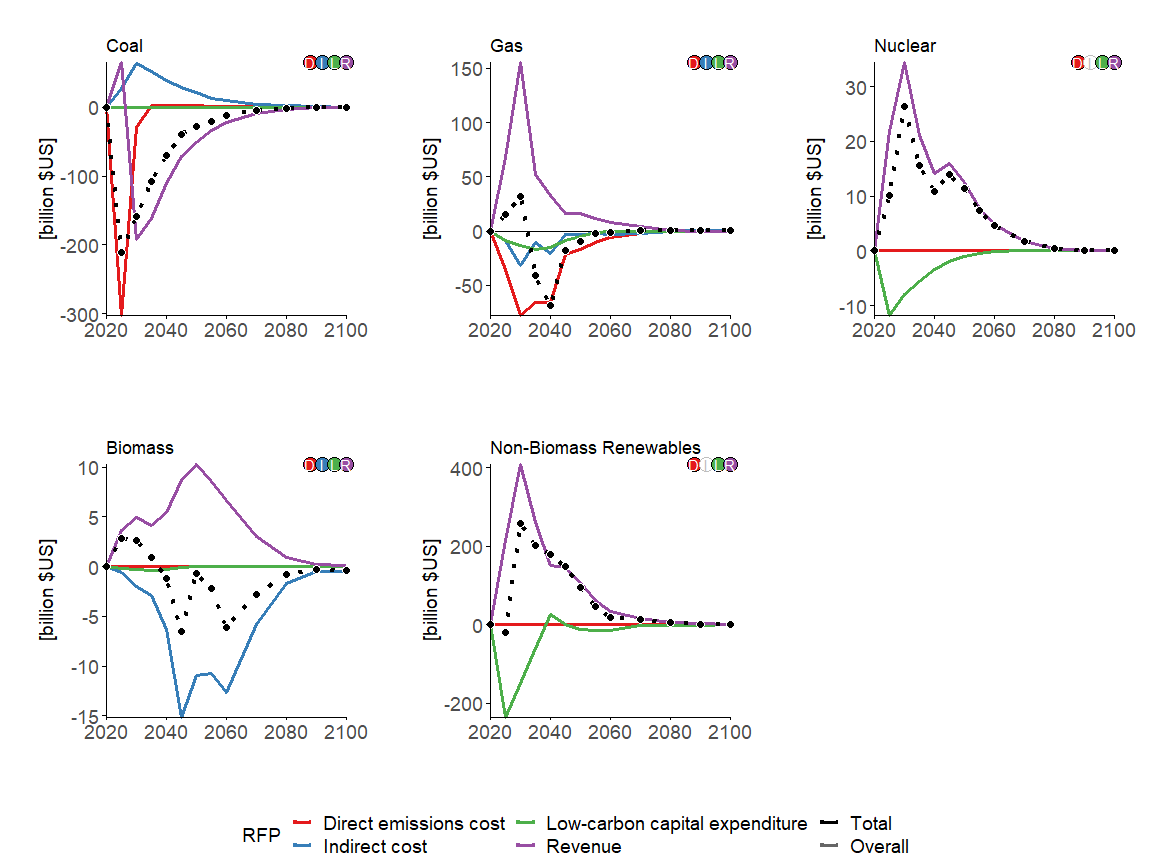
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### MESSAGEix-GLOBIOM



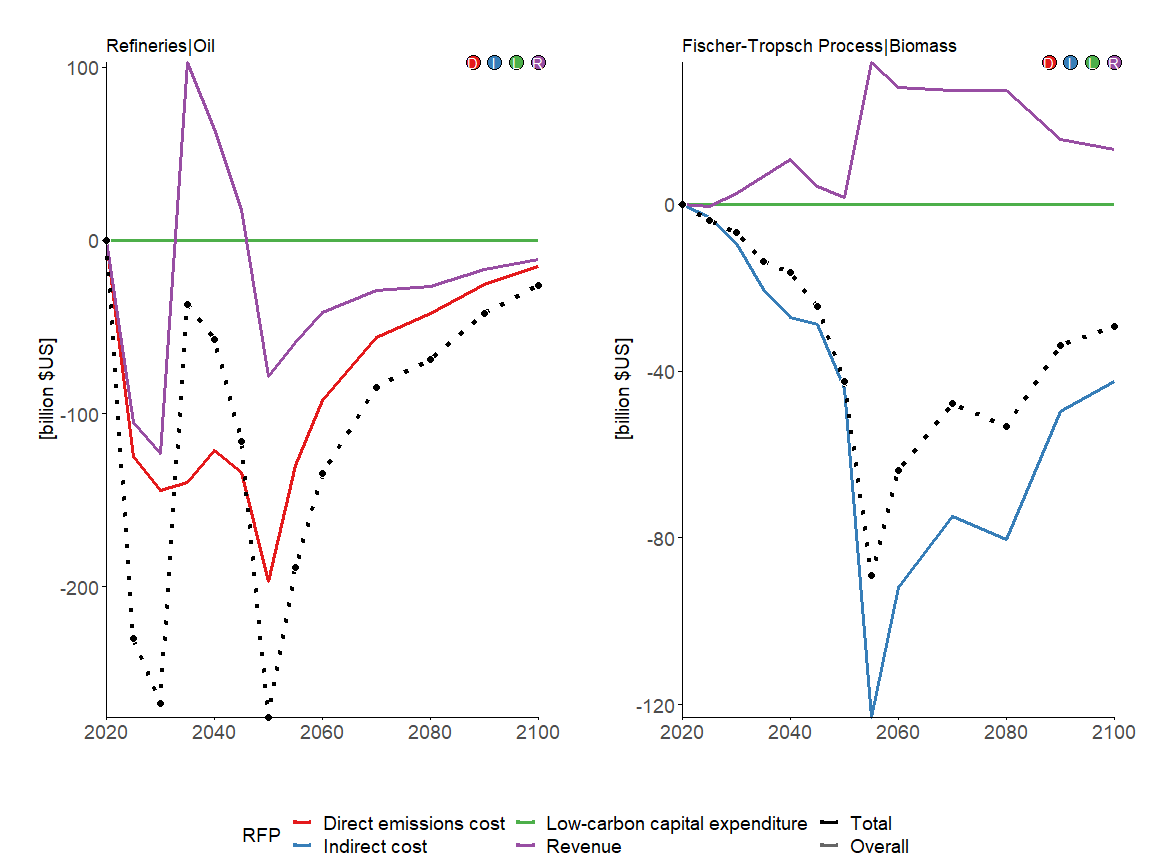
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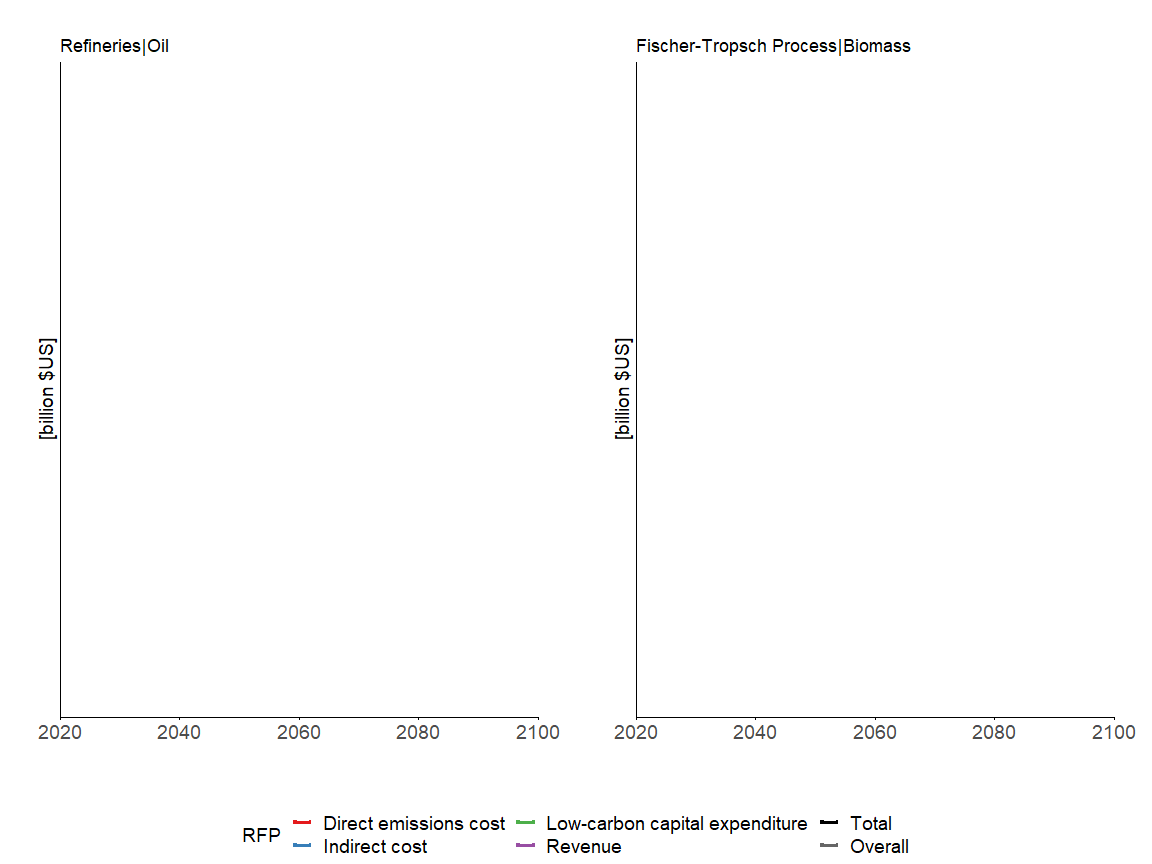
## Liquids fuels

section\_variables <- c("Energy Supply|Refineries|Oil", "Energy Supply|Fischer-Tropsch Process|Biomass")

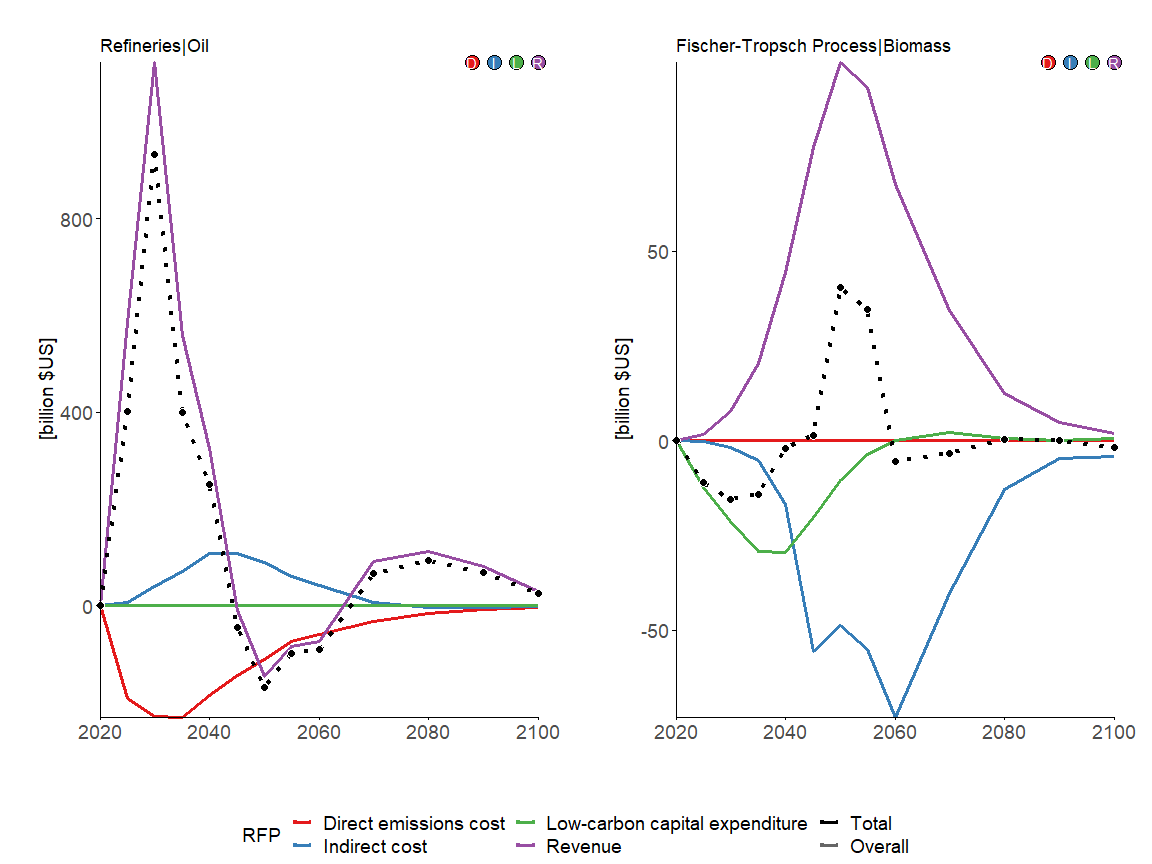
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### MESSAGEix-GLOBIOM



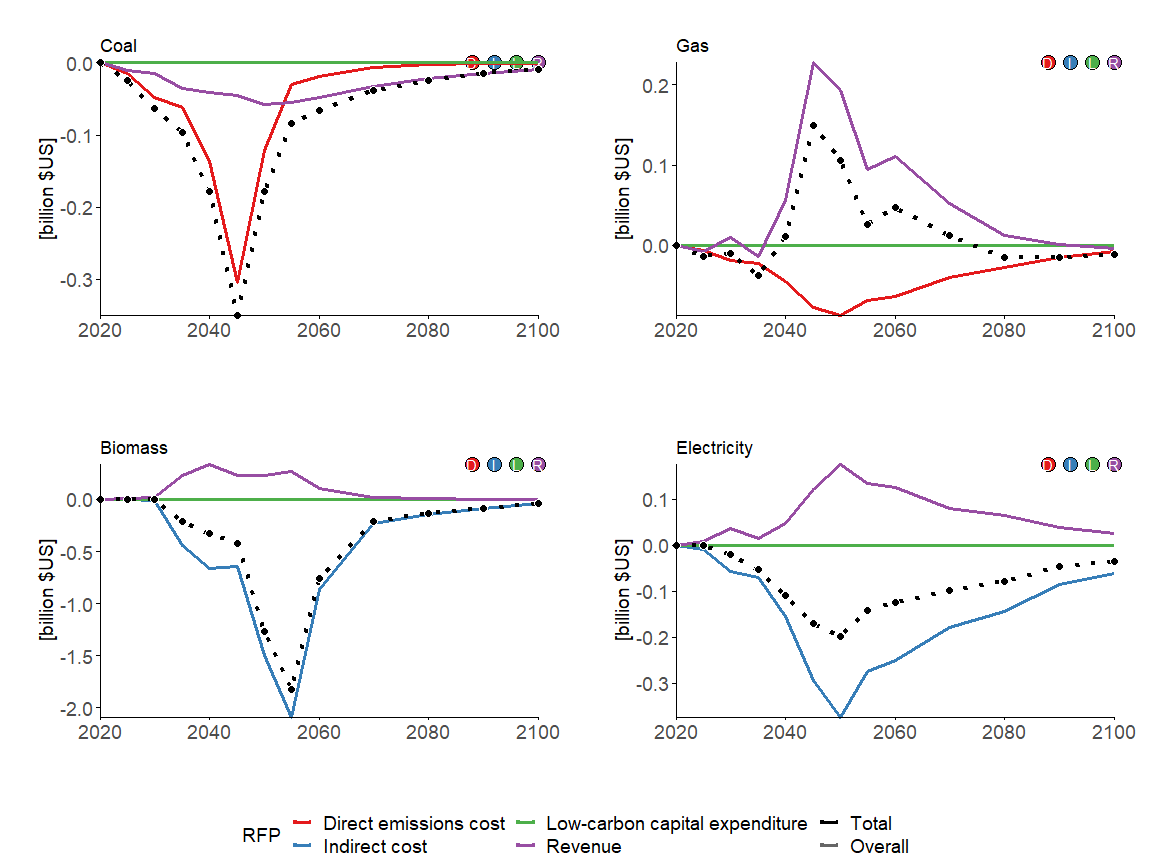
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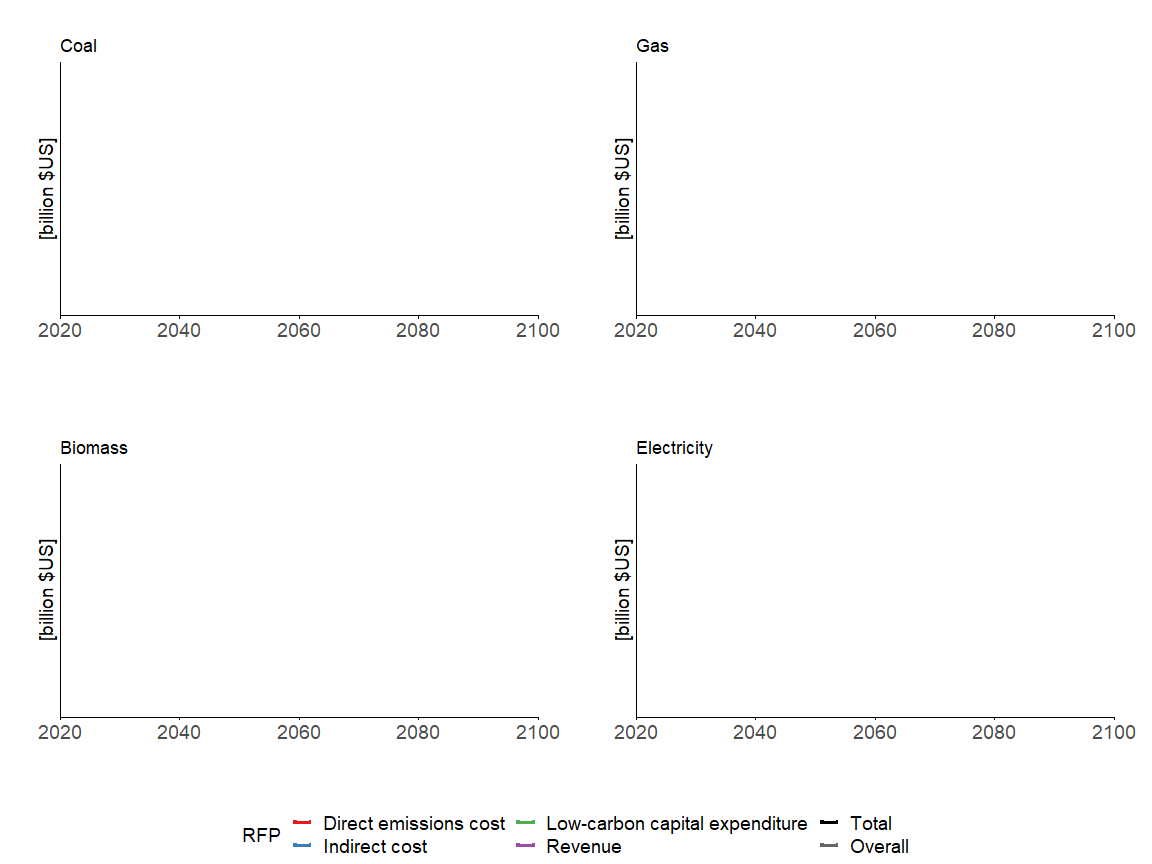
## Hydrogen plants

section\_variables <- c("Energy Supply|Hydrogen Plants|Coal", "Energy Supply|Hydrogen Plants|Gas", "Energy Supply|Hydrogen Plants|Biomass", "Energy Supply|Hydrogen Plants|Electricity")

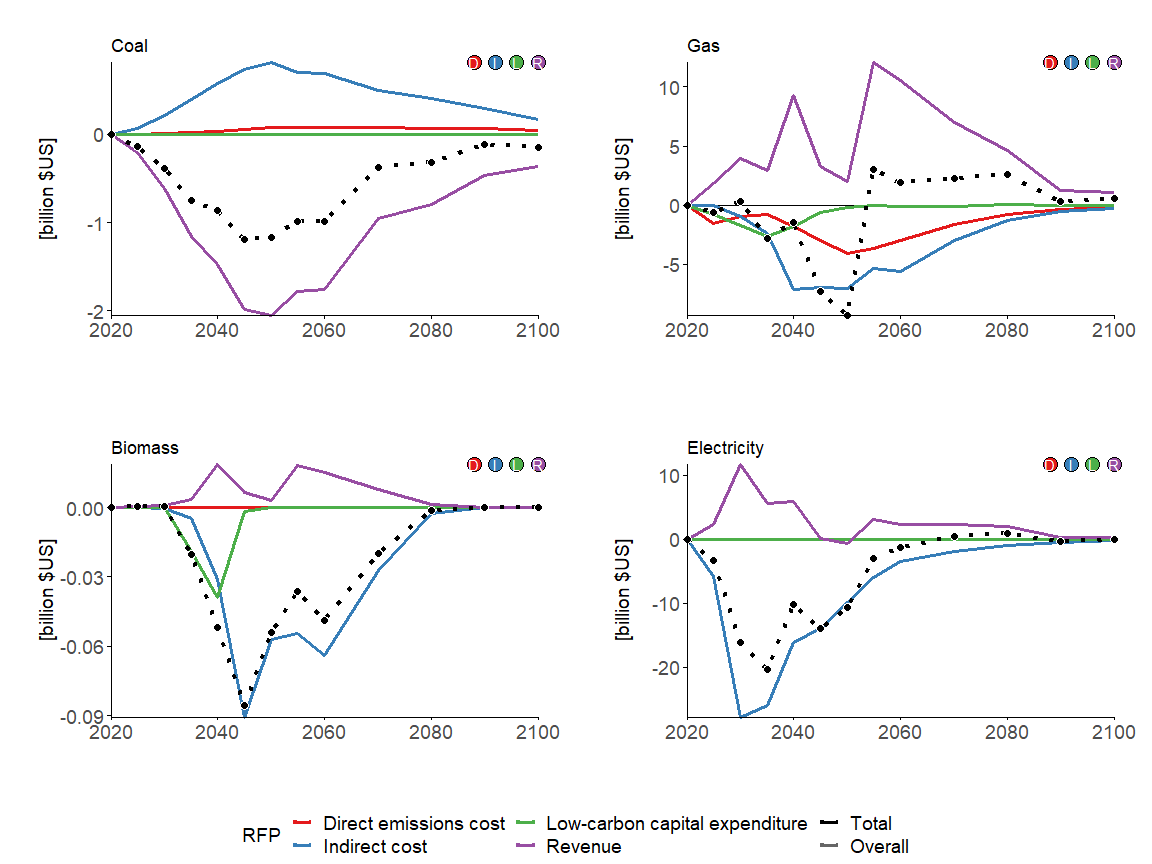
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### MESSAGEix-GLOBIOM



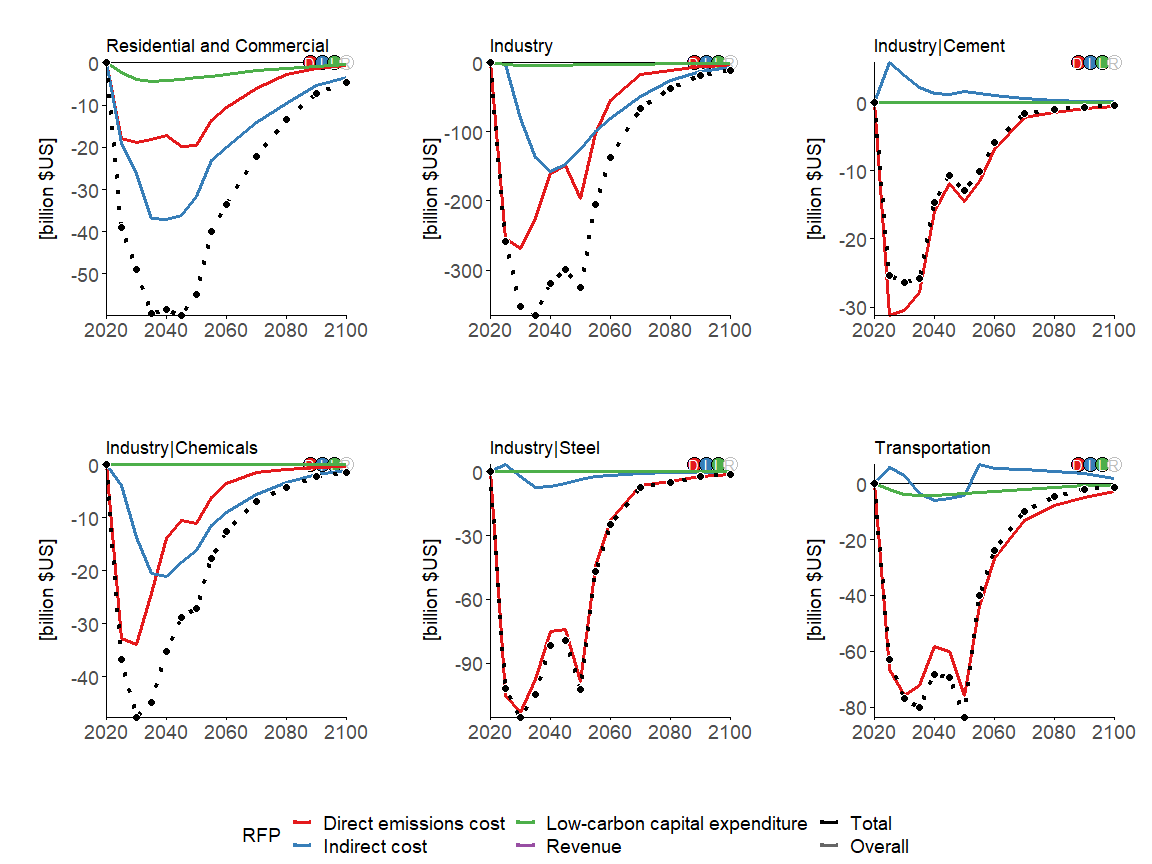
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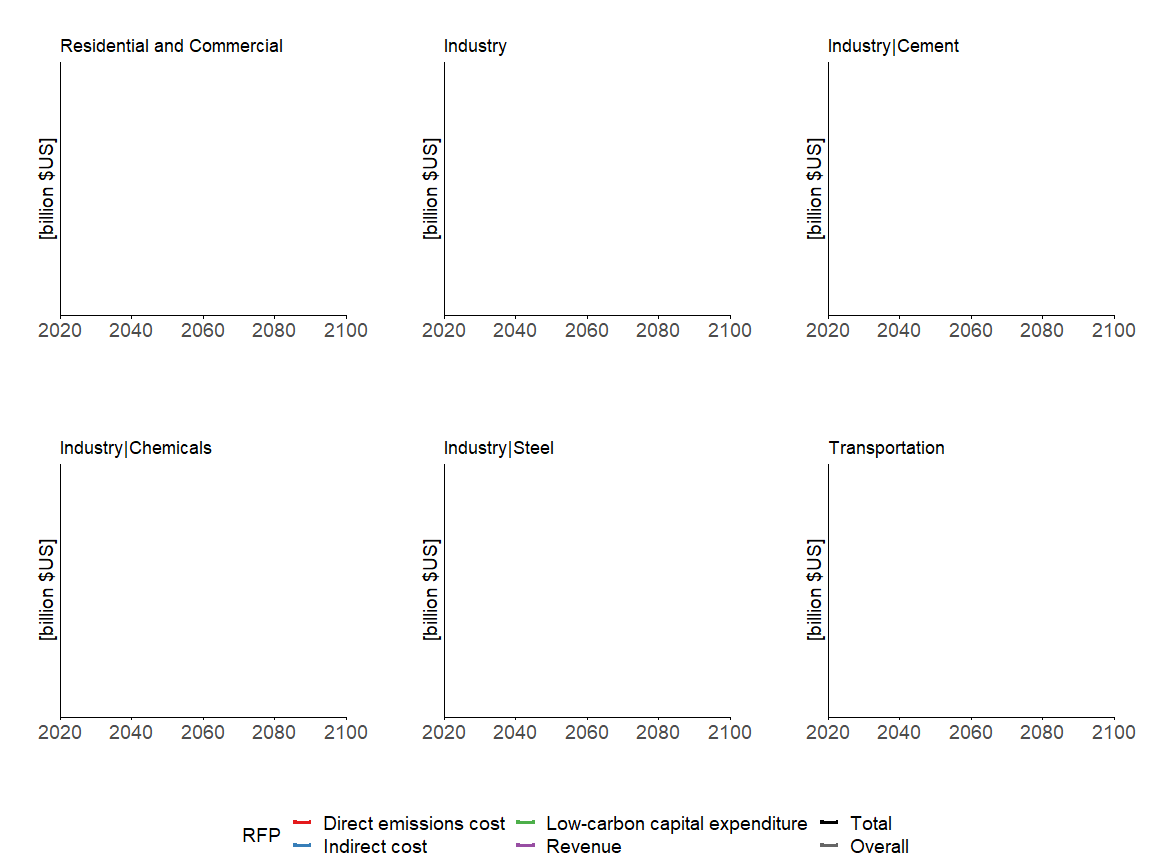
## End-use energy sectors

section\_variables <- c("End-Use|Residential and Commercial", "End-Use|Industry", "End-Use|Industry|Cement", "End-Use|Industry|Chemicals", "End-Use|Industry|Steel", "End-Use|Transportation")

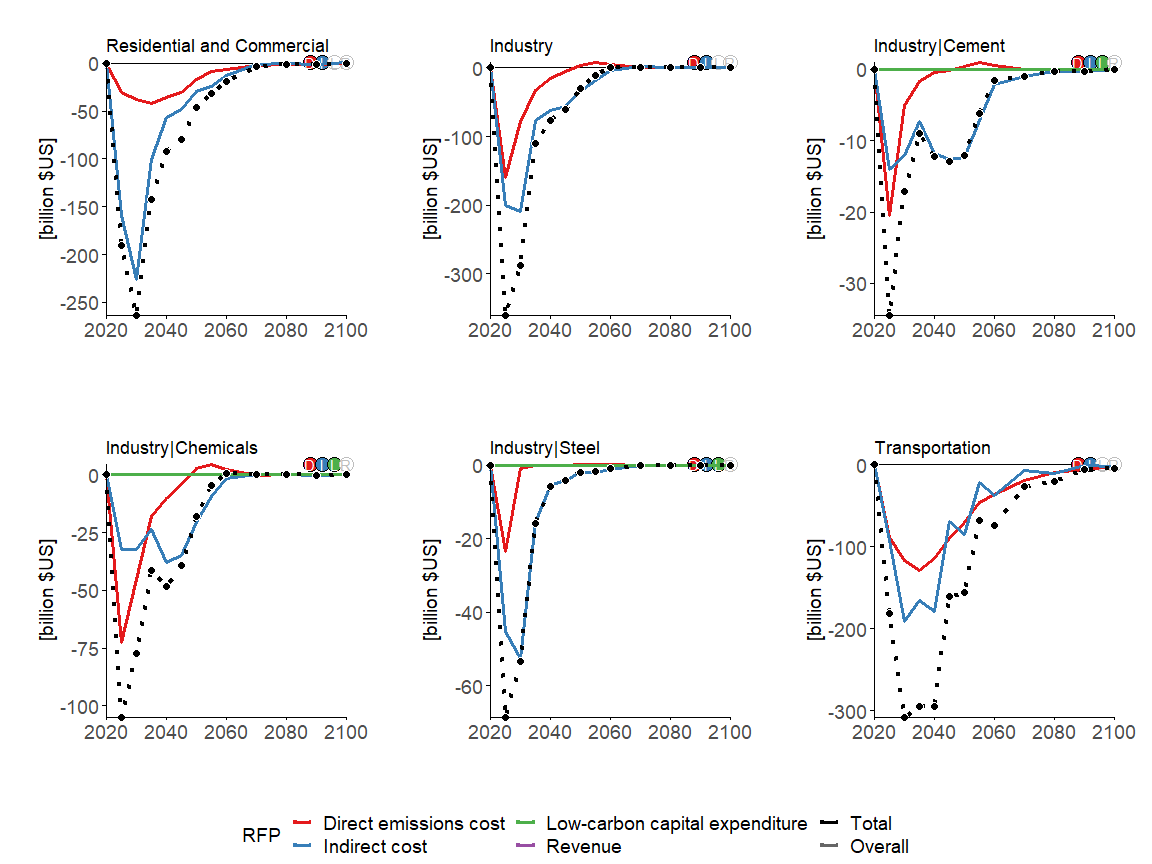
### GCAM



### MESSAGEix-GLOBIOM



### REMIND-MAgPIE



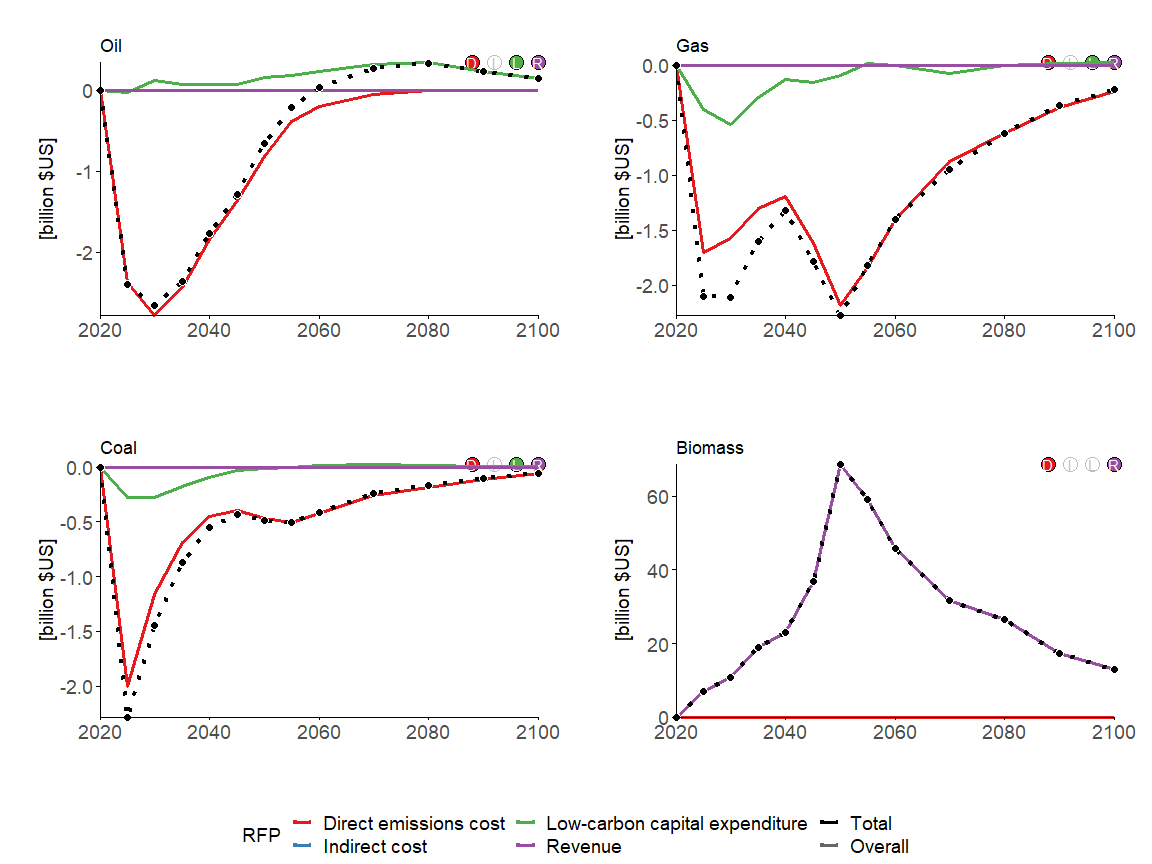
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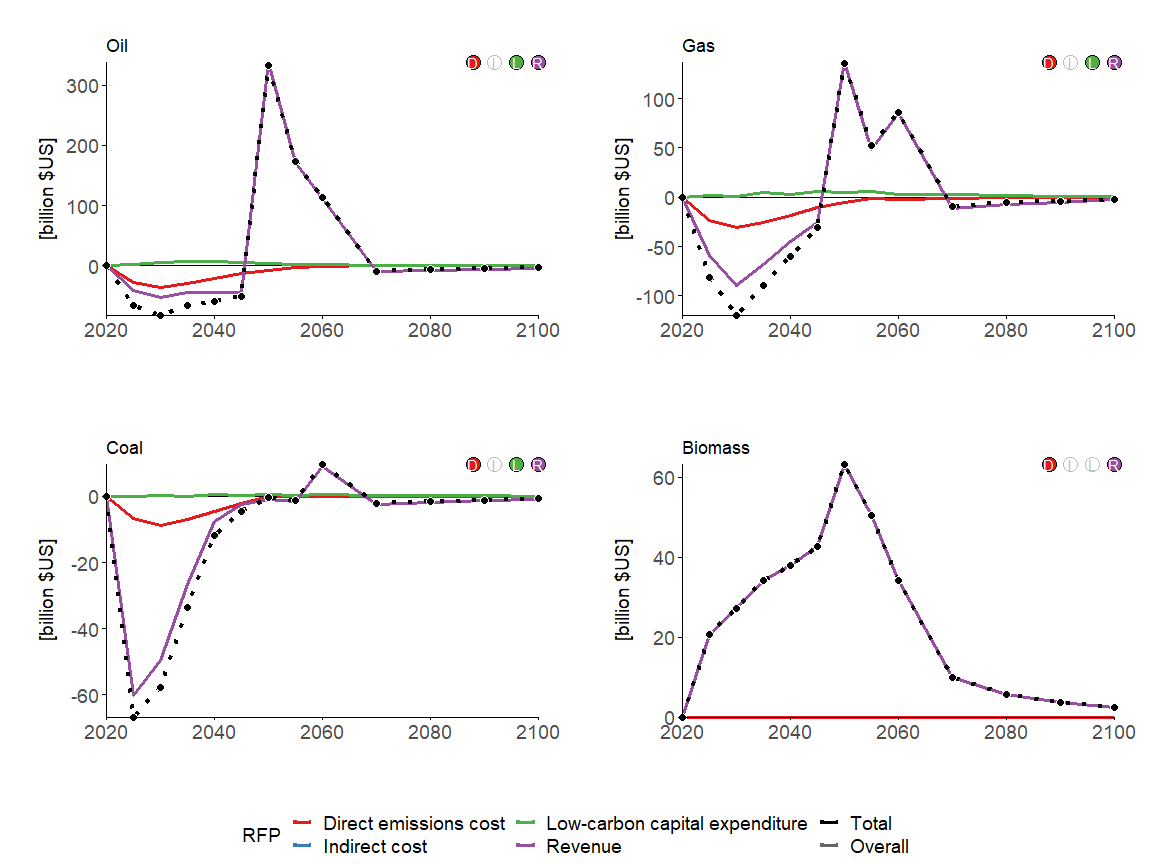
## Primary energy production

section\_variables <- c("Energy Supply|Production|Oil", "Energy Supply|Production|Gas", "Energy Supply|Production|Coal", "Energy Supply|Production|Biomass")

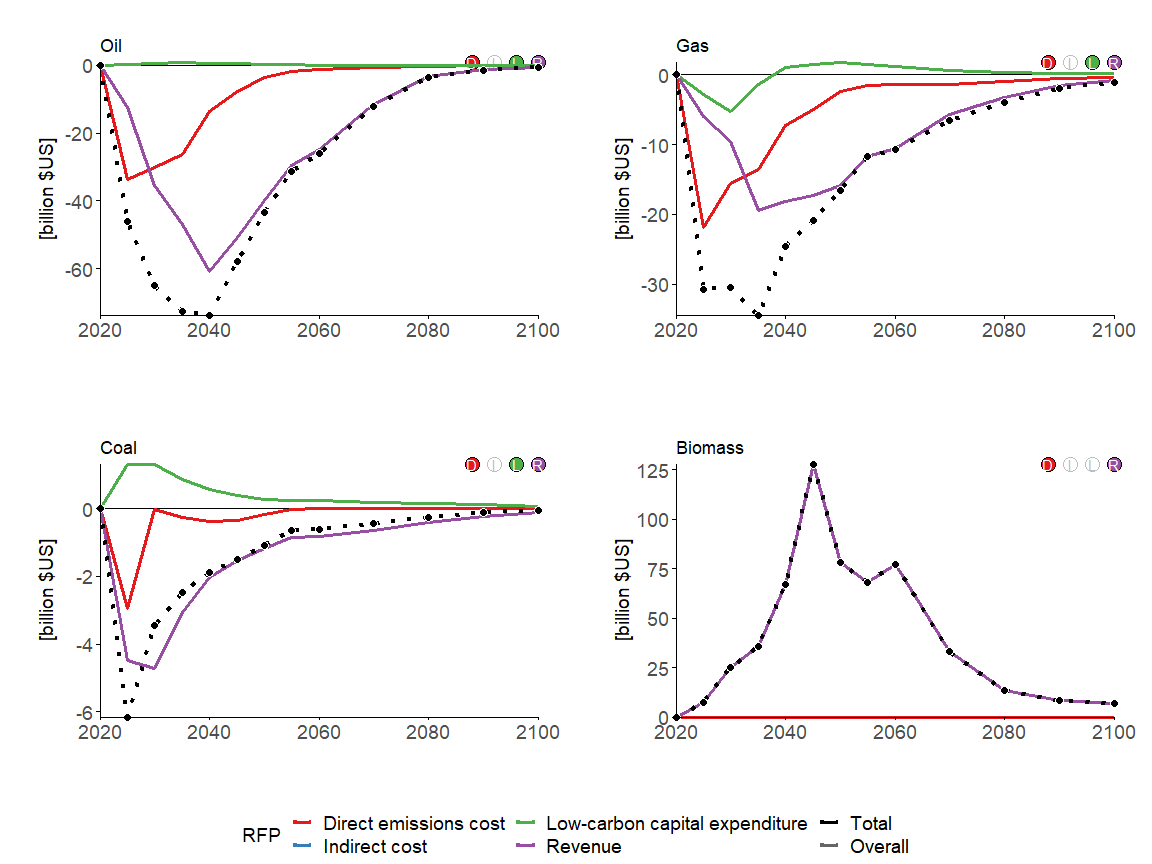
### GCAM



### MESSAGEix-GLOBIOM



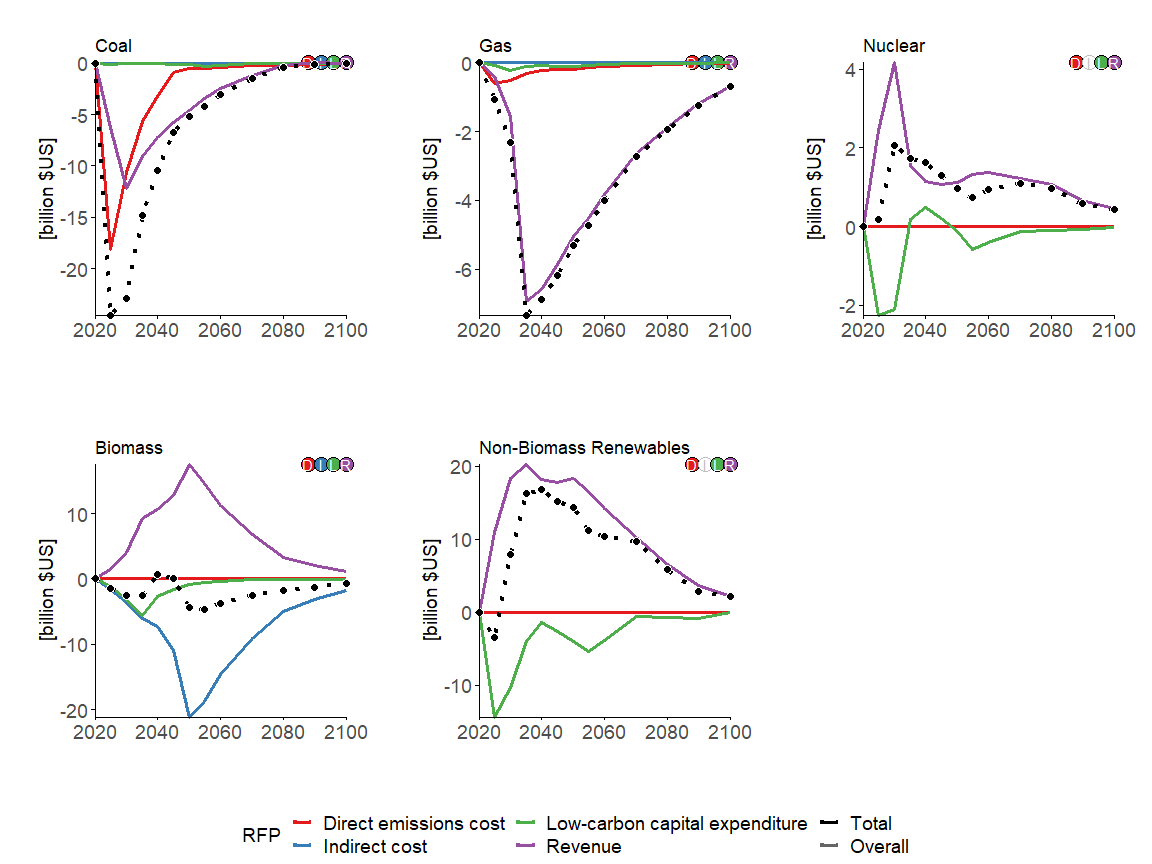
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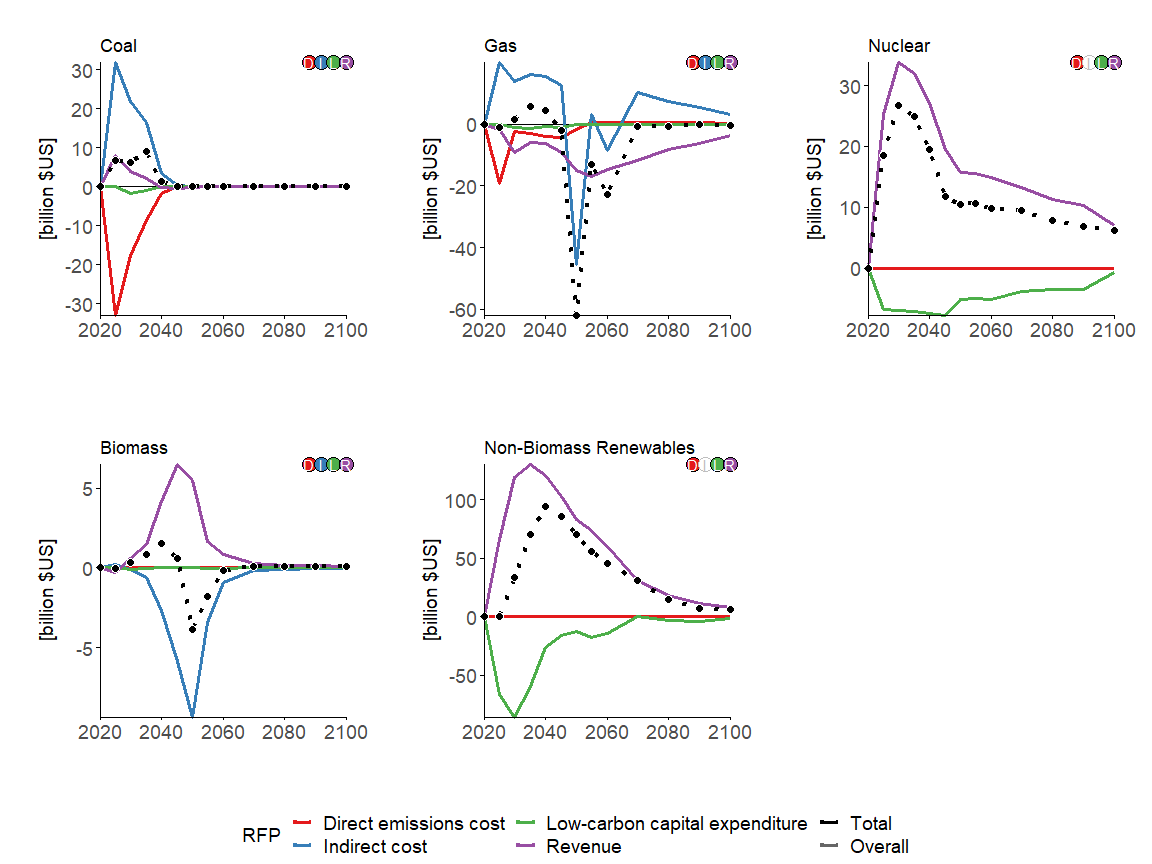
## Electric utilities

section\_variables <- c("Energy Supply|Electric Utilities|Coal", "Energy Supply|Electric Utilities|Gas", "Energy Supply|Electric Utilities|Nuclear", "Energy Supply|Electric Utilities|Biomass", "Energy Supply|Electric Utilities|Non-Biomass Renewables")

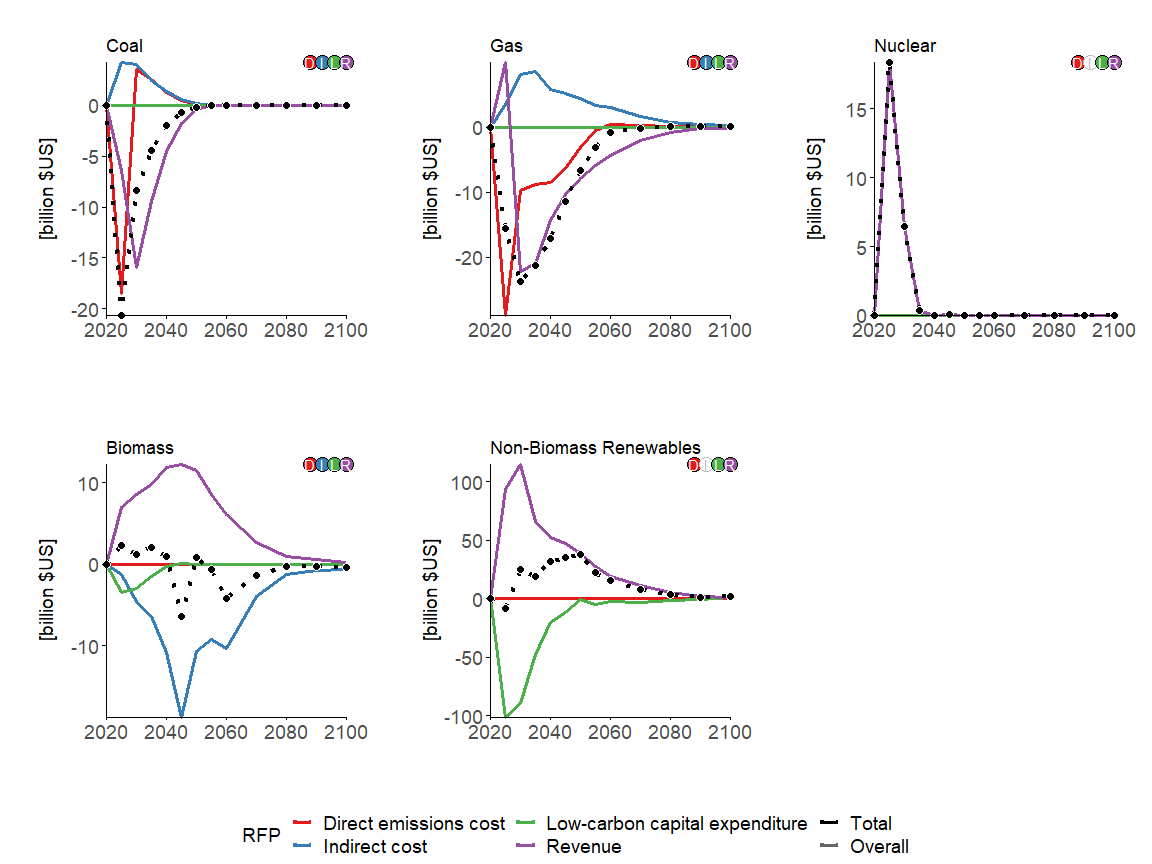
### GCAM



### MESSAGEix-GLOBIOM



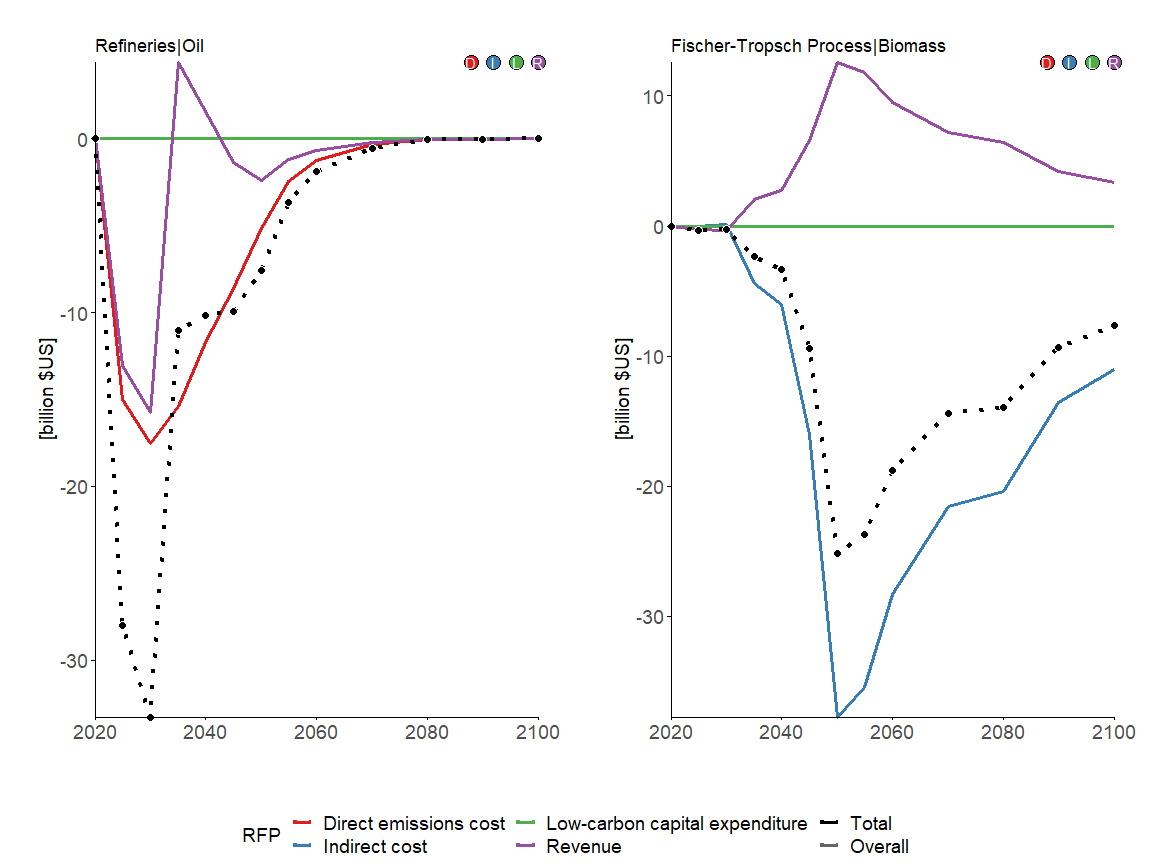
### REMIND-MAgPIE



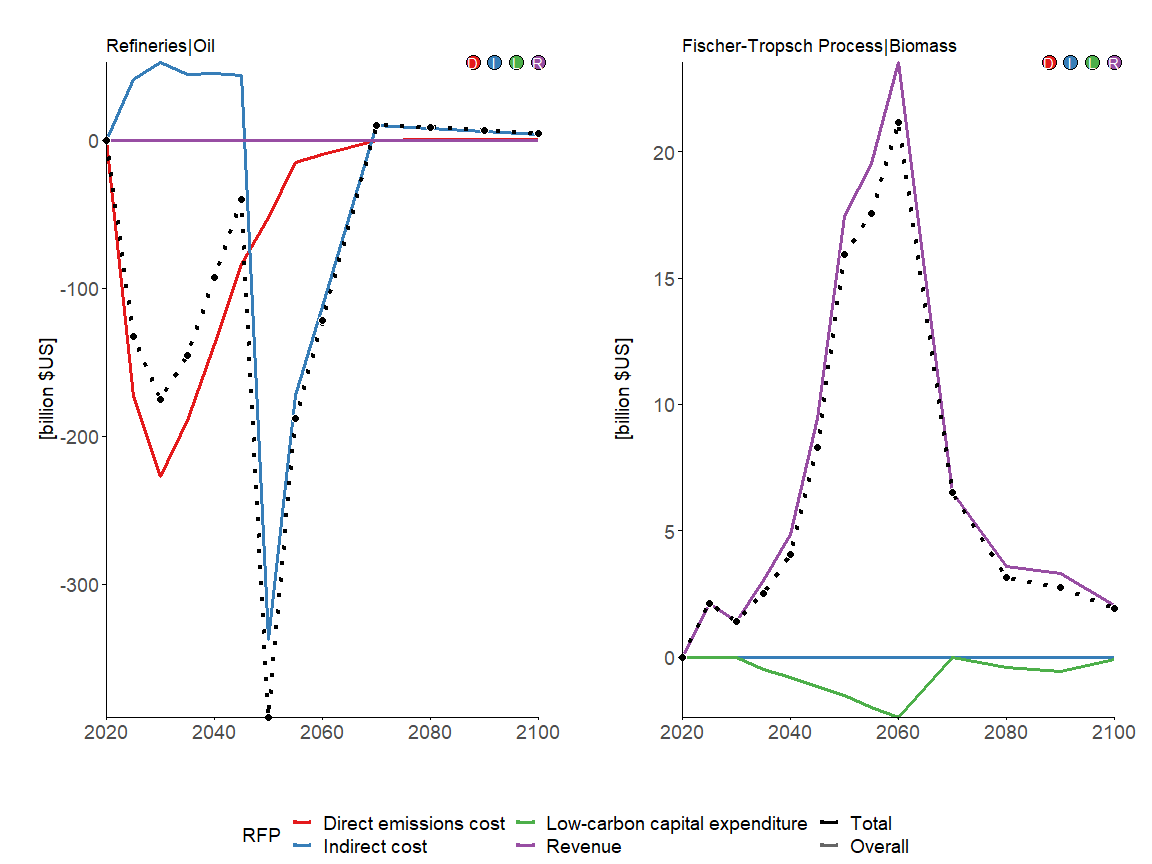
## Liquids fuels

section\_variables <- c("Energy Supply|Refineries|Oil", "Energy Supply|Fischer-Tropsch Process|Biomass")

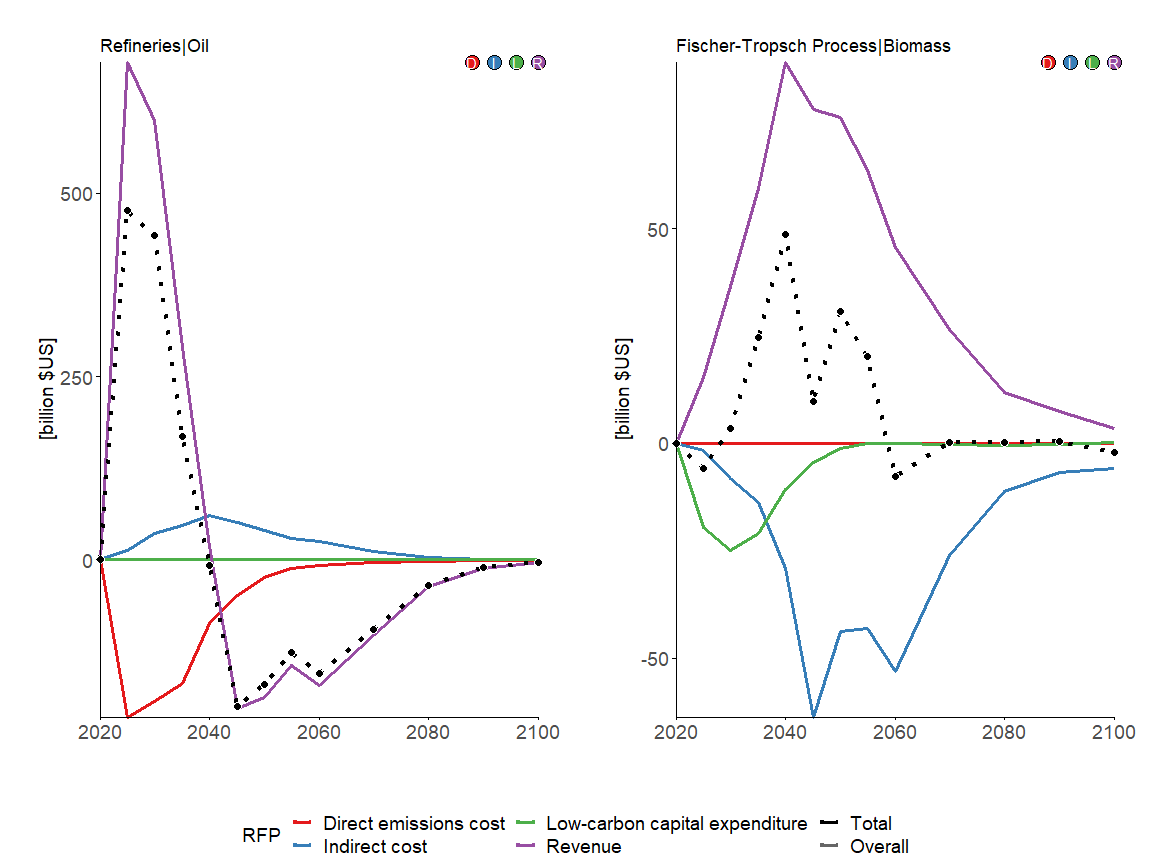
### GCAM



### MESSAGEix-GLOBIOM



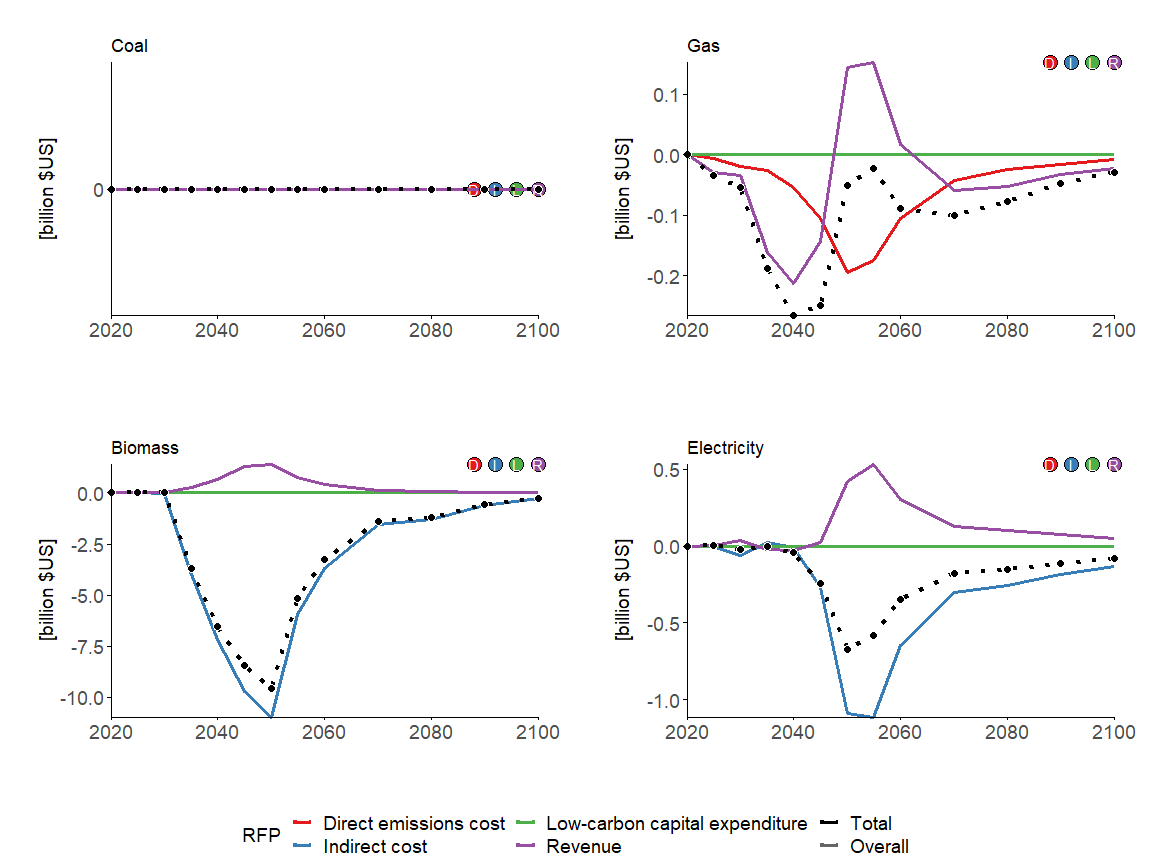
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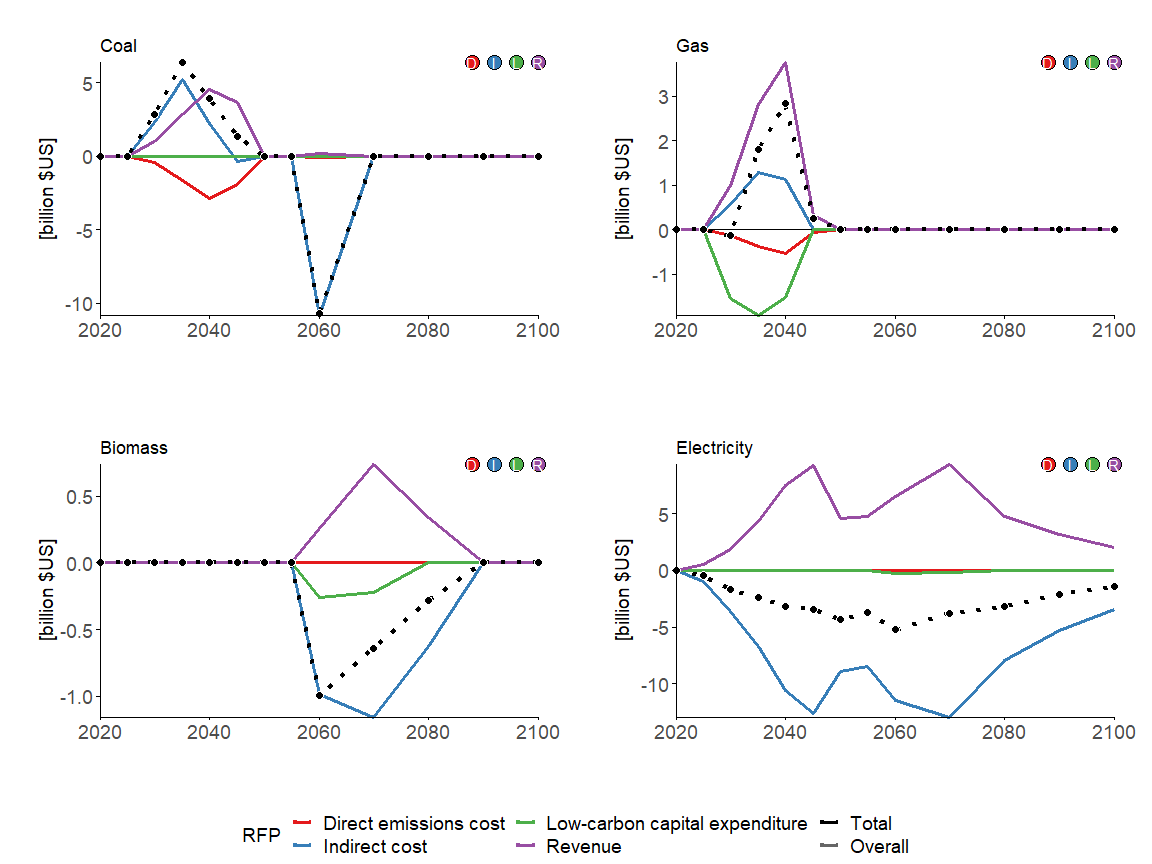
## Hydrogen plants

section\_variables <- c("Energy Supply|Hydrogen Plants|Coal", "Energy Supply|Hydrogen Plants|Gas", "Energy Supply|Hydrogen Plants|Biomass", "Energy Supply|Hydrogen Plants|Electricity")

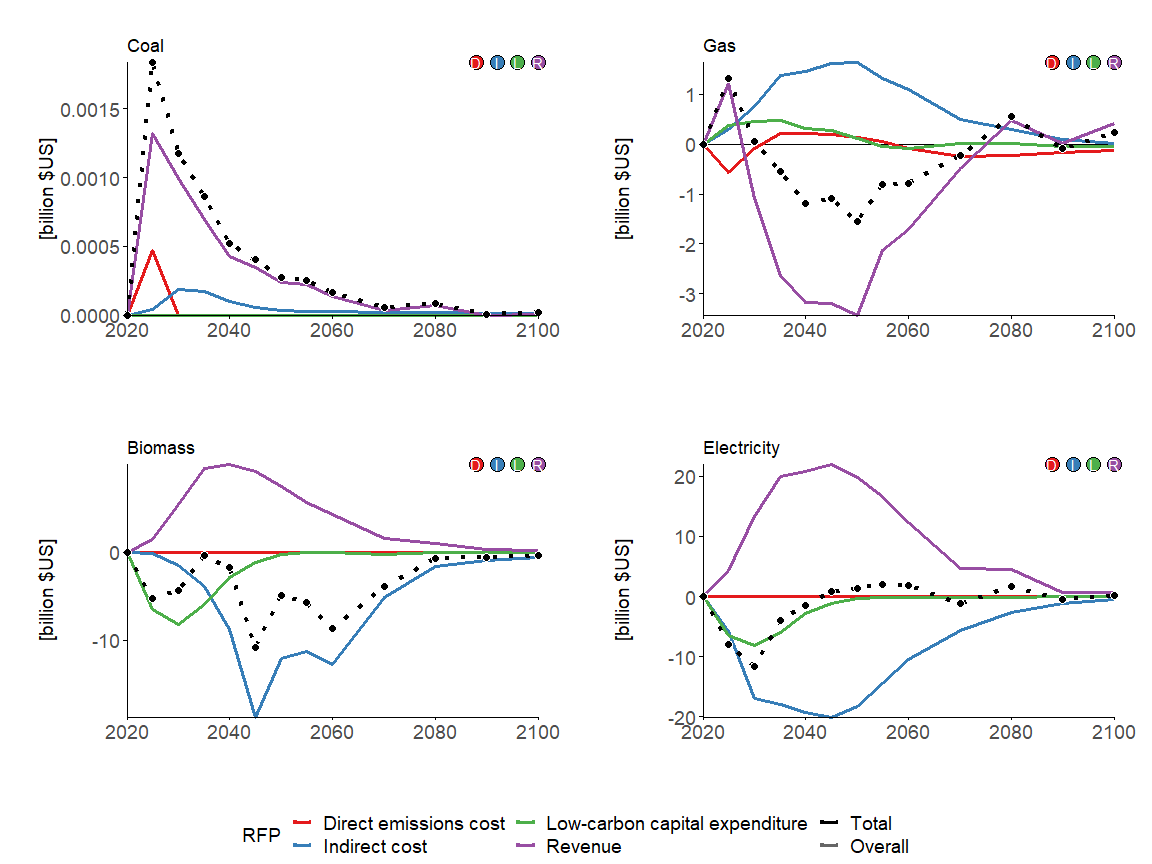
### GCAM



### MESSAGEix-GLOBIOM



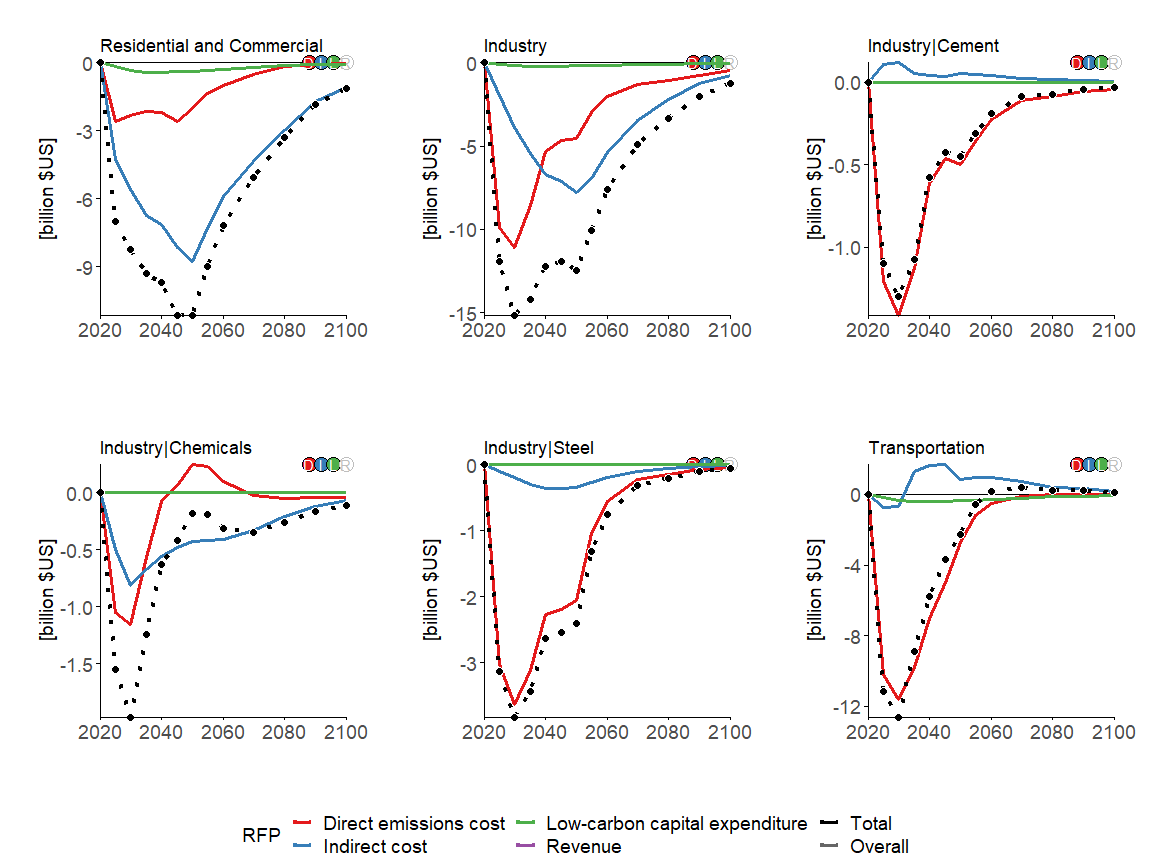
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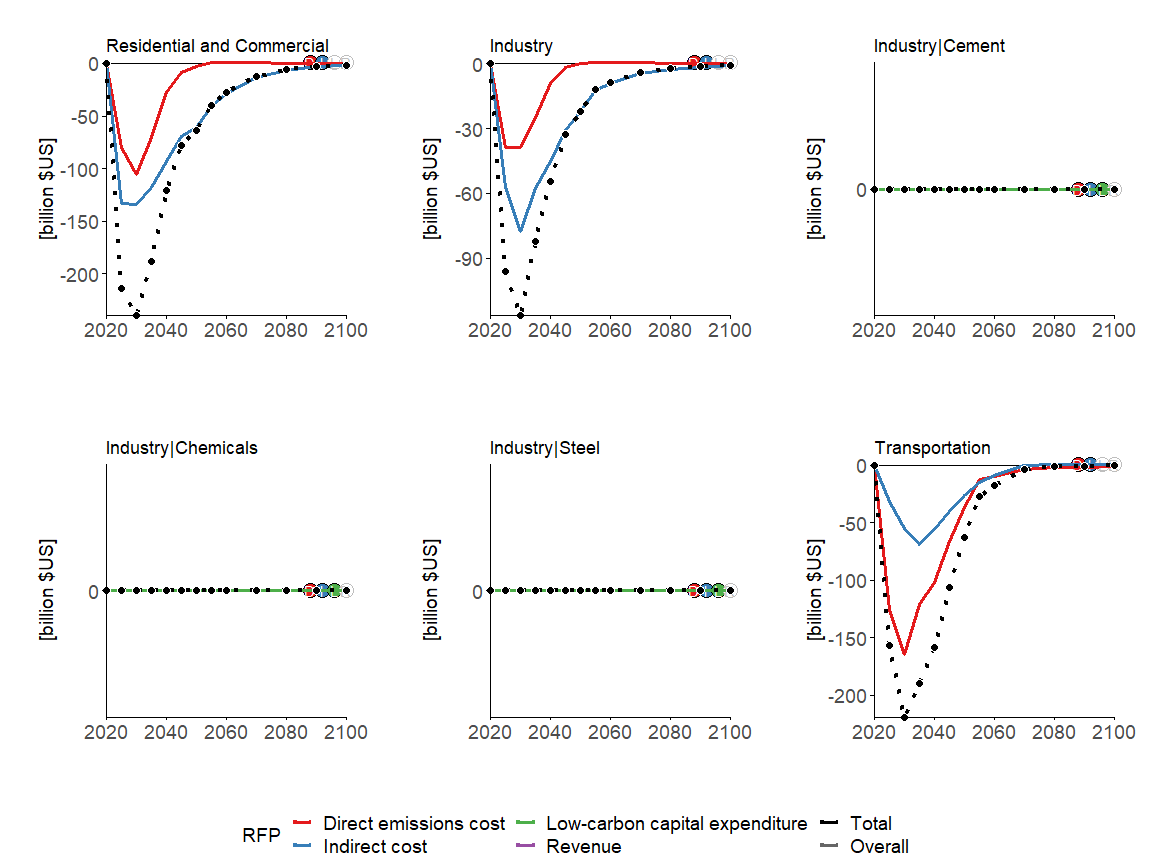
## End-use energy sectors

section\_variables <- c("End-Use|Residential and Commercial", "End-Use|Industry", "End-Use|Industry|Cement", "End-Use|Industry|Chemicals", "End-Use|Industry|Steel", "End-Use|Transportation")

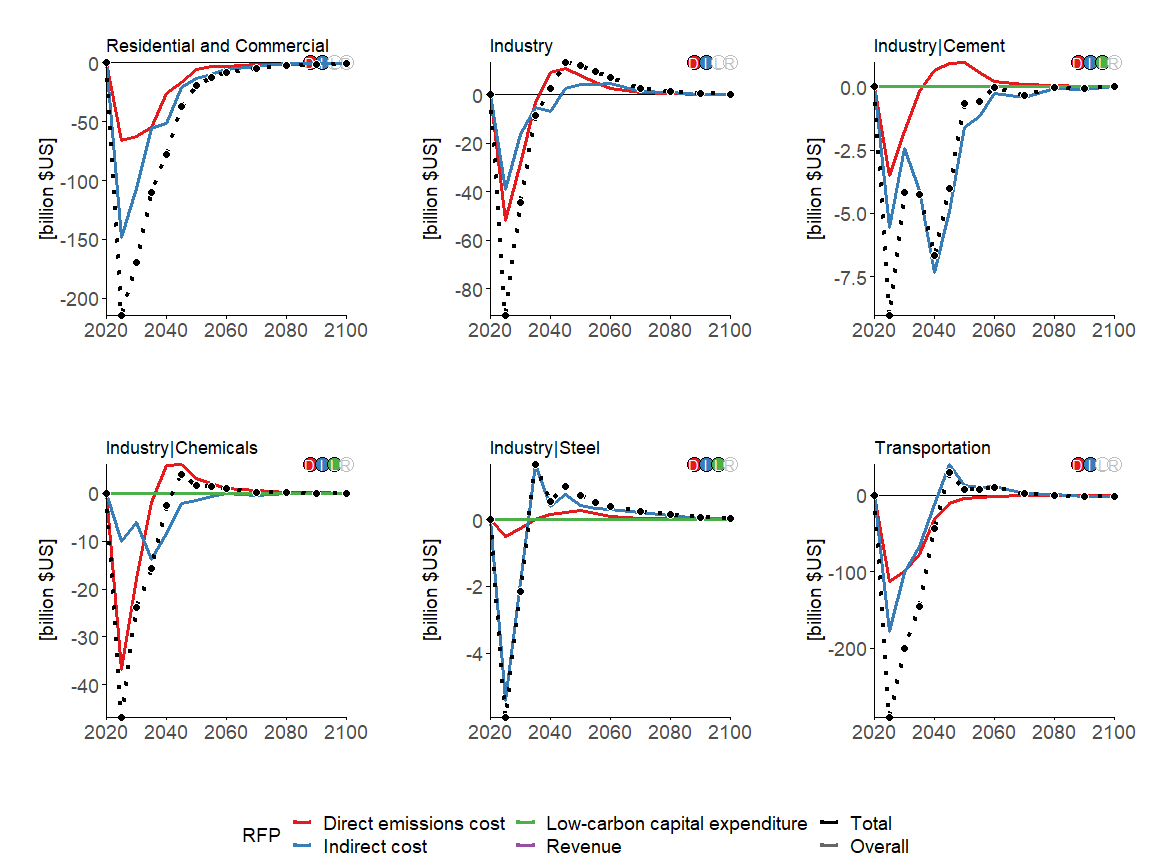
### GCAM



### MESSAGEix-GLOBIOM



### REMIND-MAgPIE



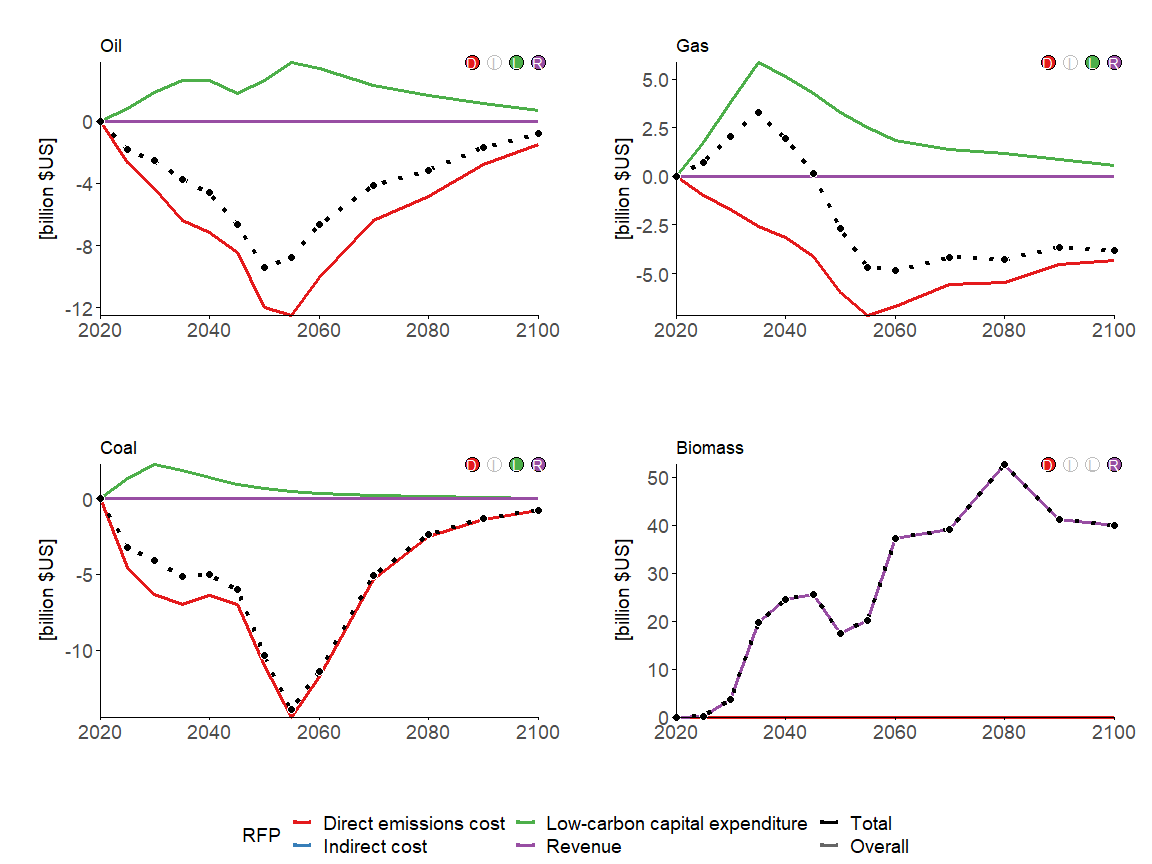
# India

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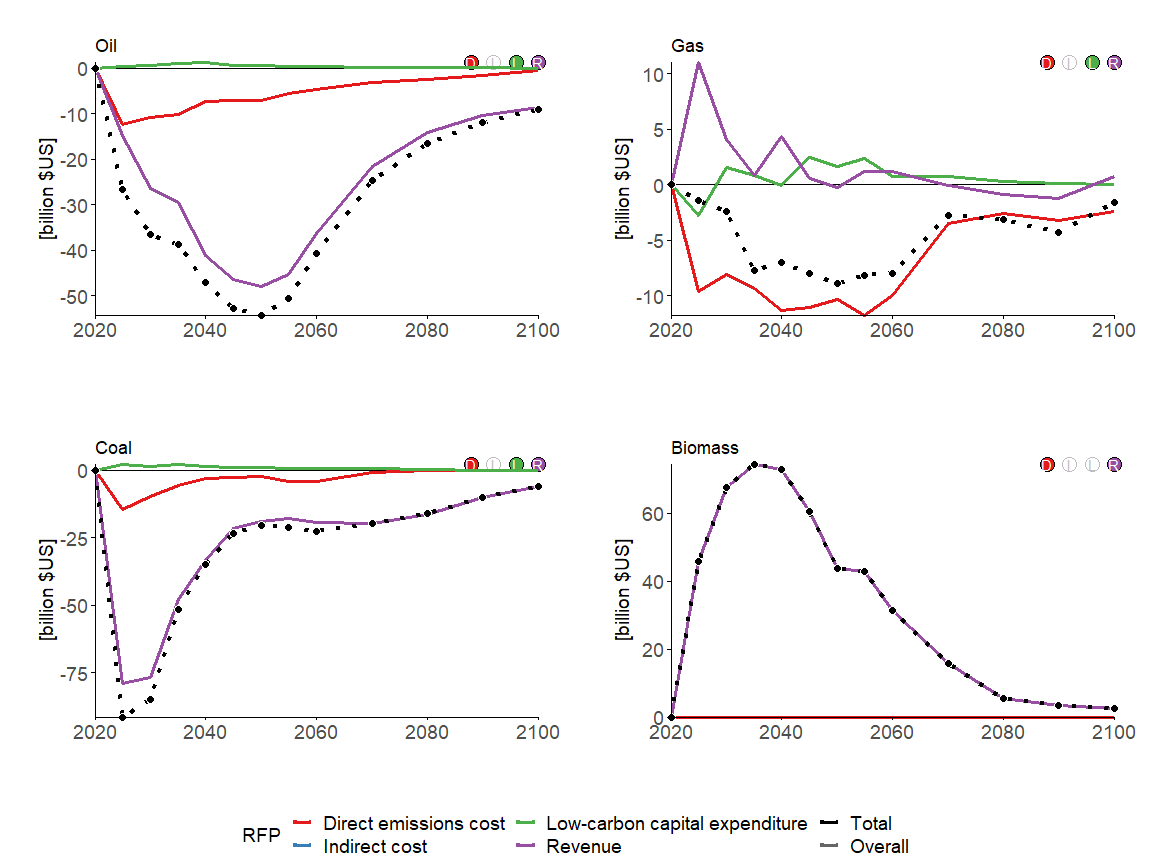
## Primary energy production

section\_variables <- c("Energy Supply|Production|Oil", "Energy Supply|Production|Gas", "Energy Supply|Production|Coal", "Energy Supply|Production|Biomass")

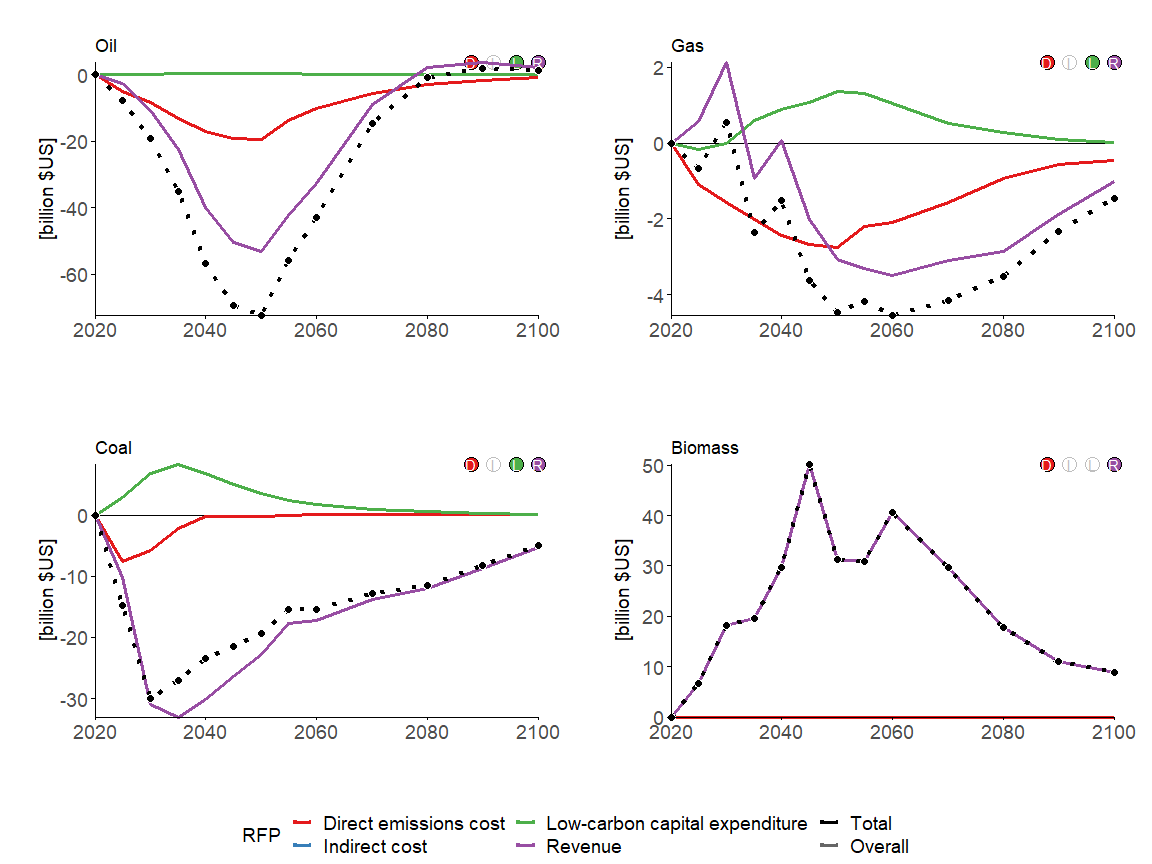
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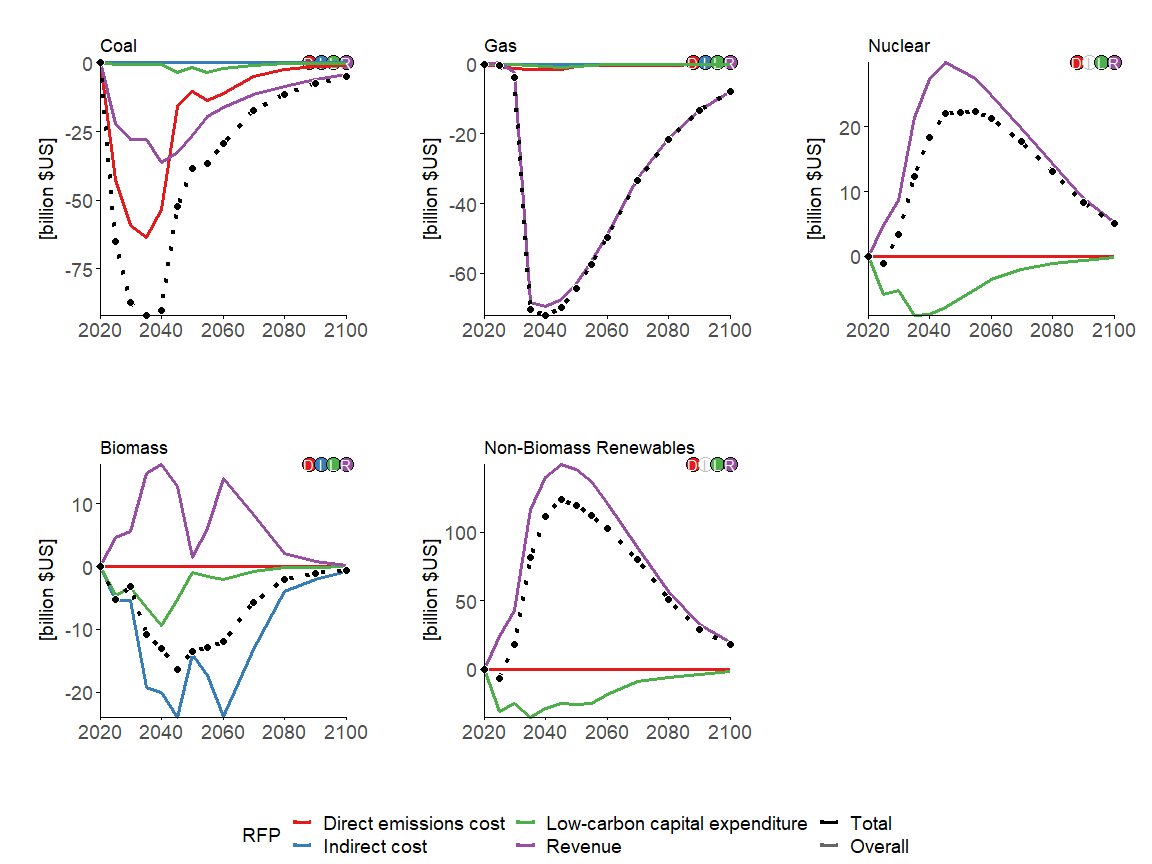
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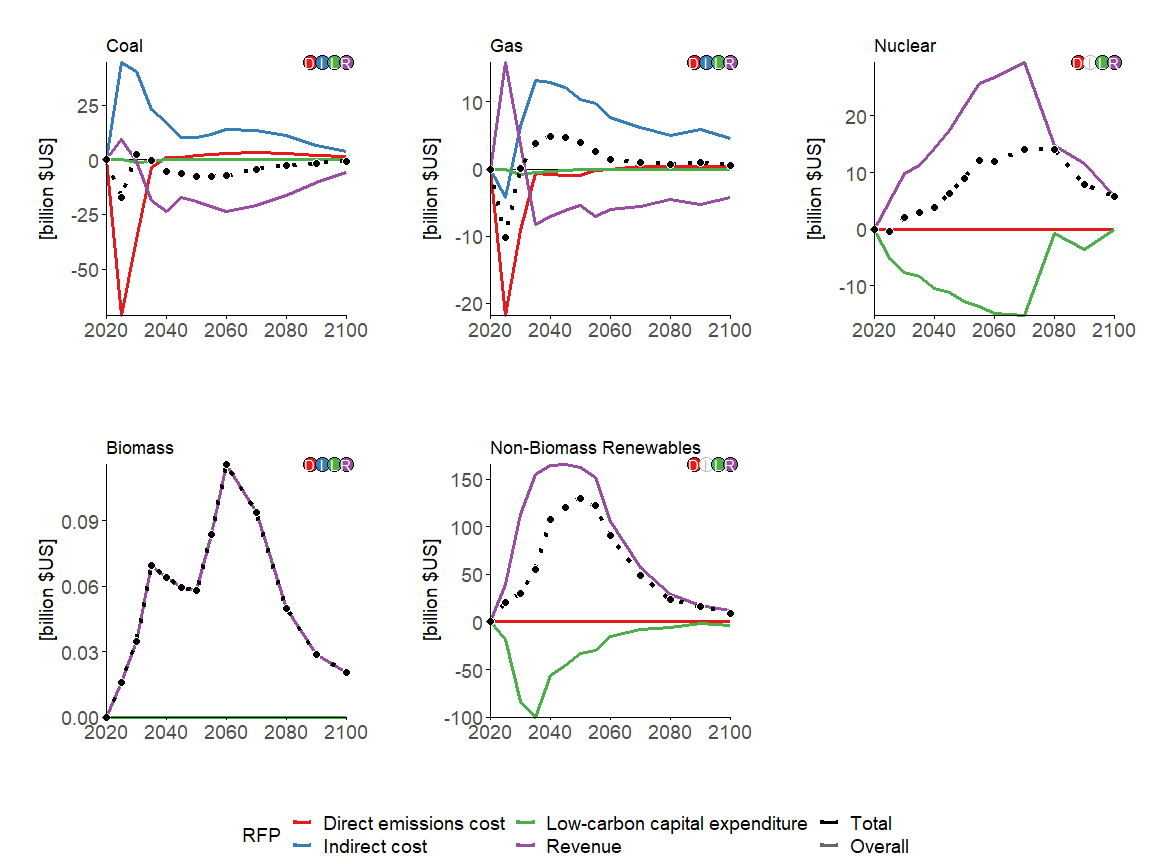
## Electric utilities

section\_variables <- c("Energy Supply|Electric Utilities|Coal", "Energy Supply|Electric Utilities|Gas", "Energy Supply|Electric Utilities|Nuclear", "Energy Supply|Electric Utilities|Biomass", "Energy Supply|Electric Utilities|Non-Biomass Renewables")

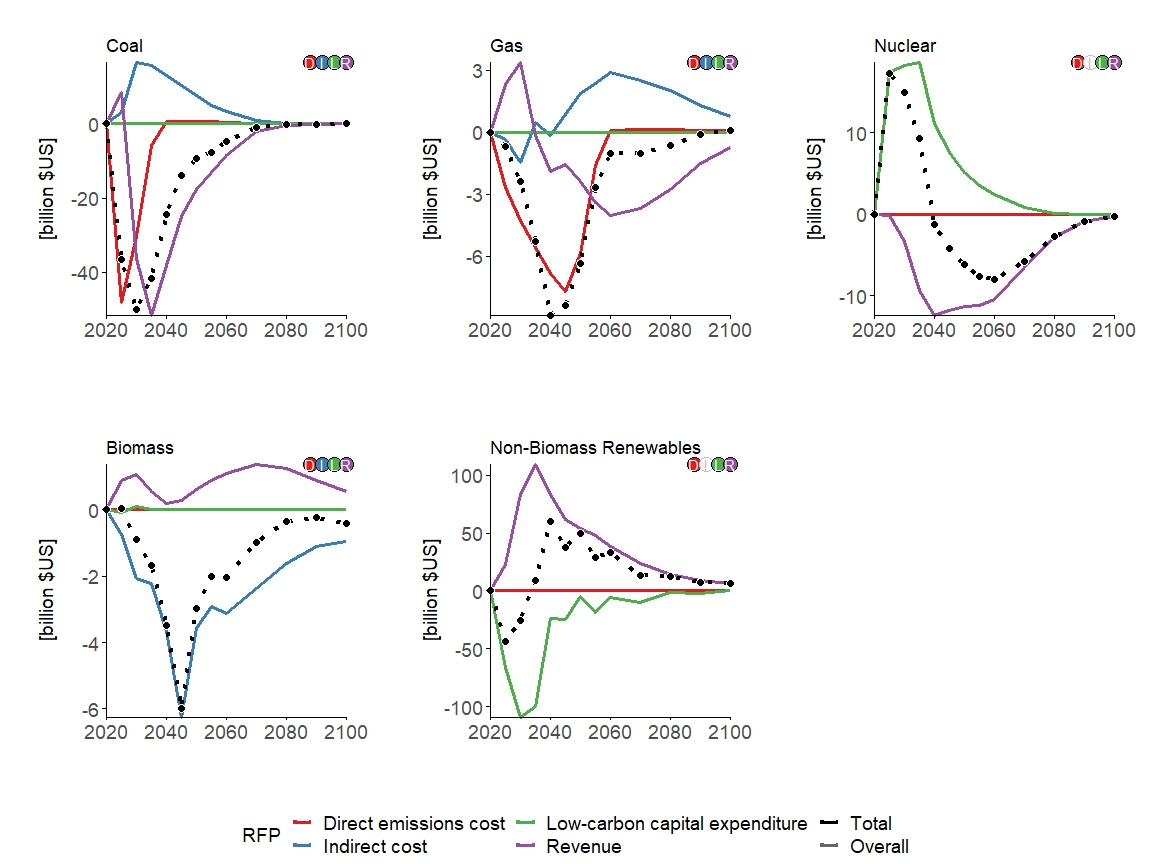
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### MESSAGEix-GLOBIOM



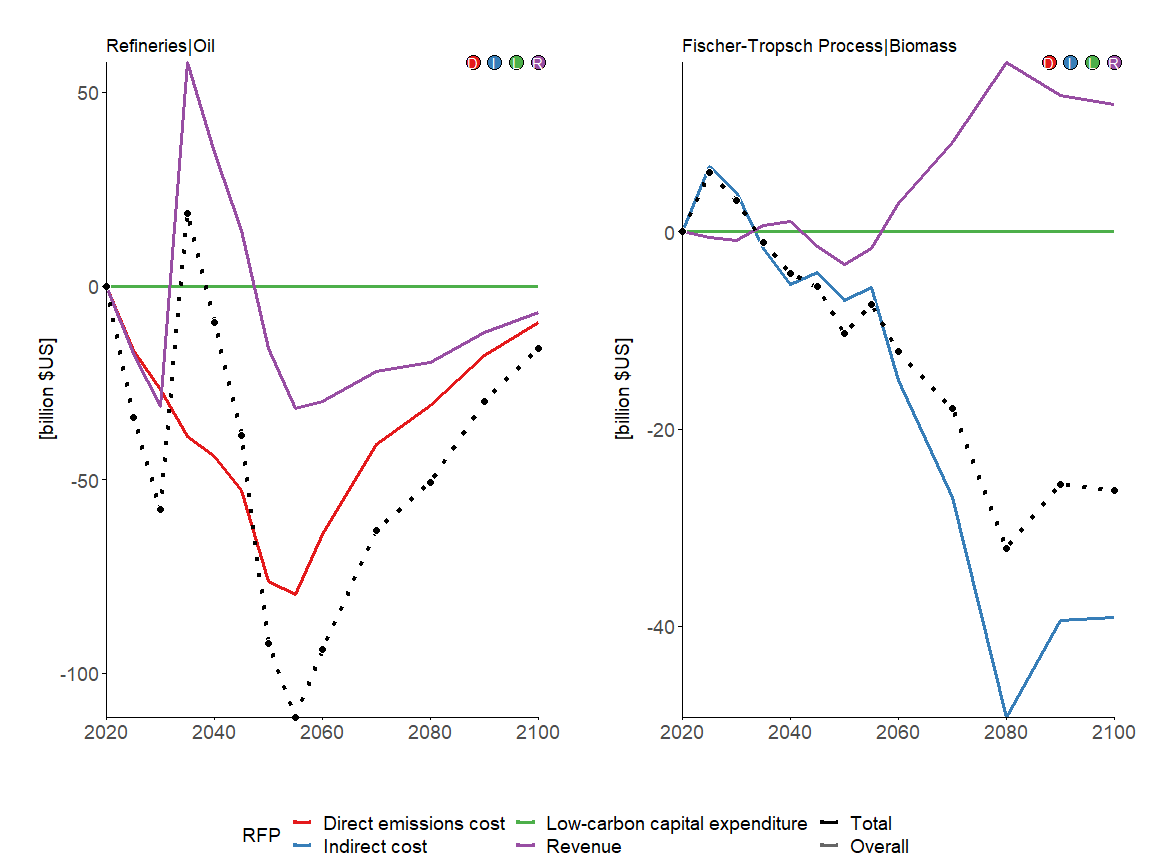
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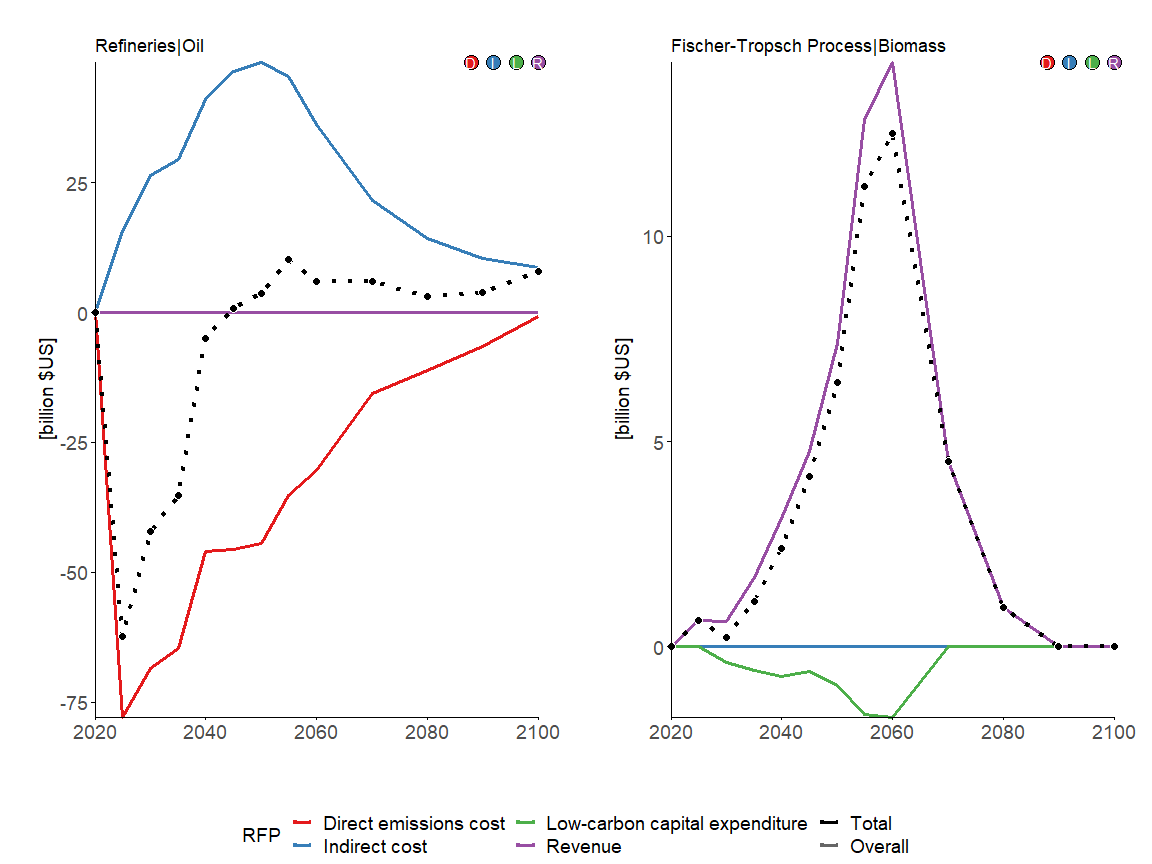
## Liquids fuels

section\_variables <- c("Energy Supply|Refineries|Oil", "Energy Supply|Fischer-Tropsch Process|Biomass")

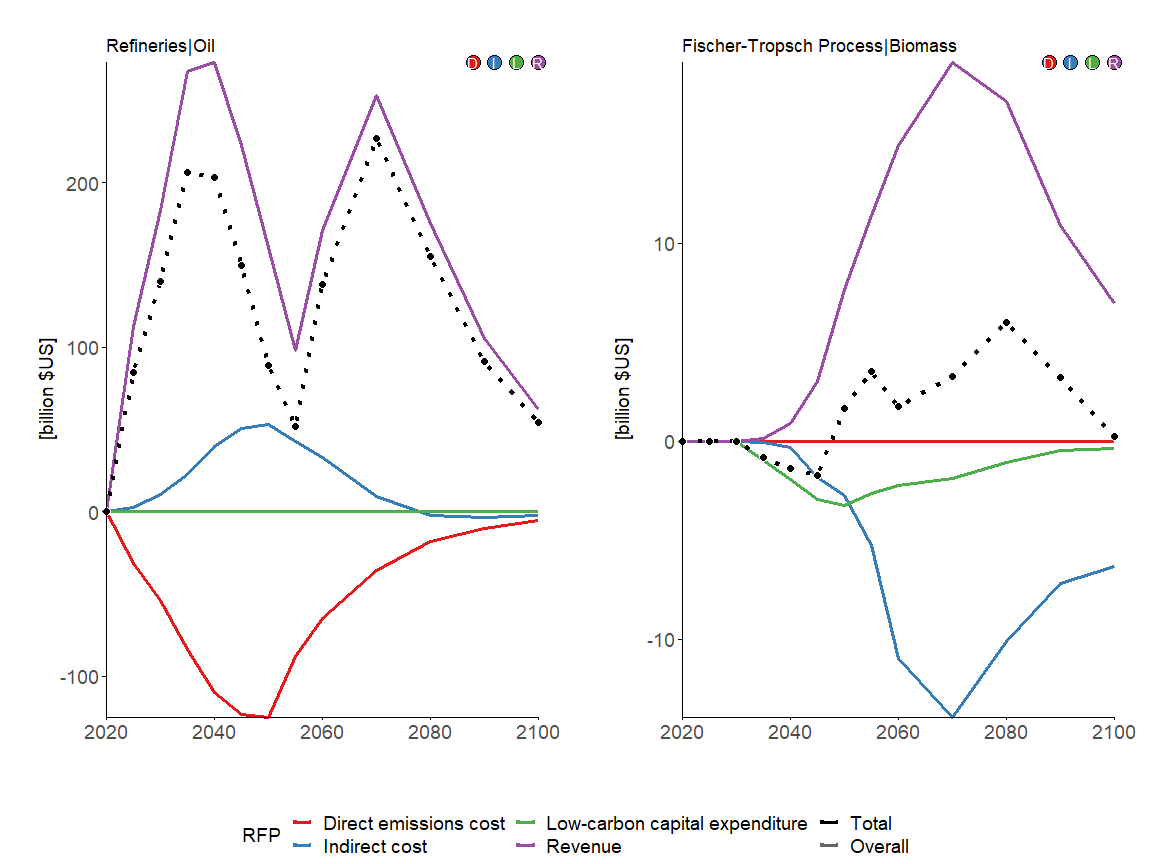
### GCAM



### MESSAGEix-GLOBIOM



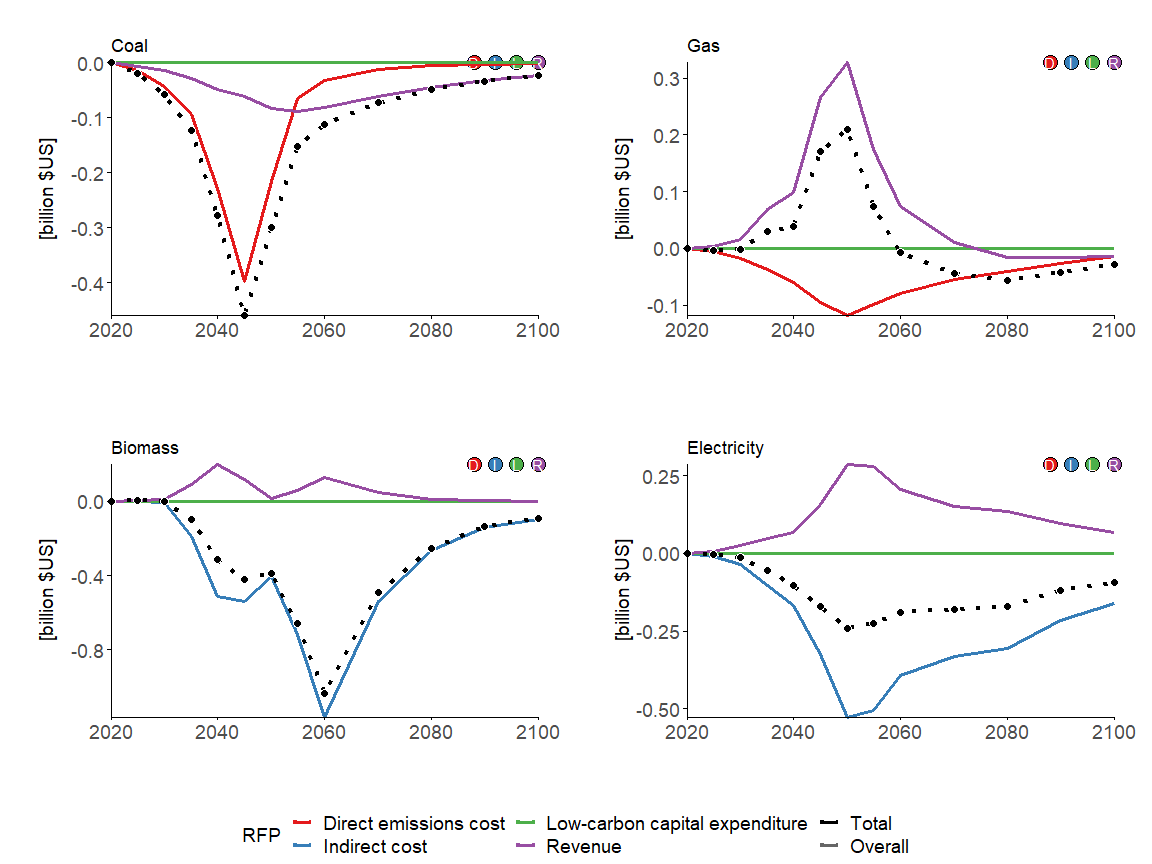
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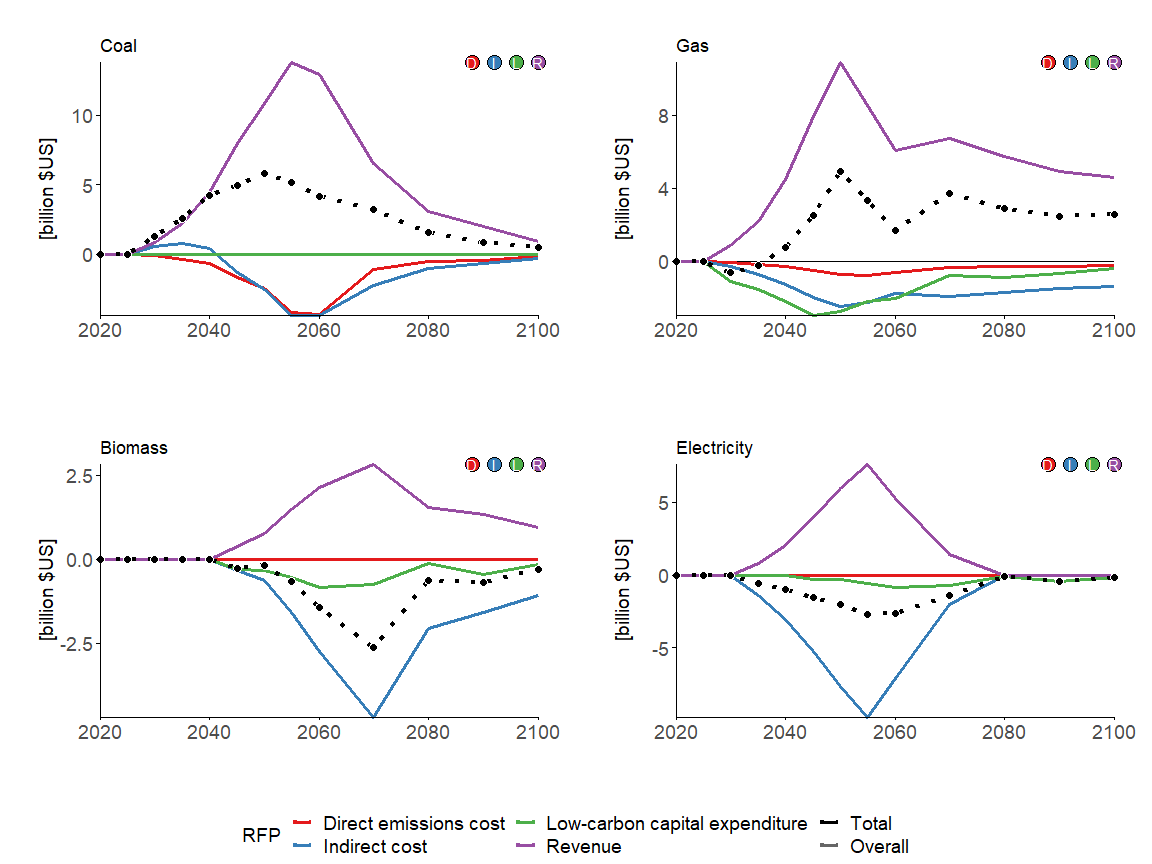
## Hydrogen plants

section\_variables <- c("Energy Supply|Hydrogen Plants|Coal", "Energy Supply|Hydrogen Plants|Gas", "Energy Supply|Hydrogen Plants|Biomass", "Energy Supply|Hydrogen Plants|Electricity")

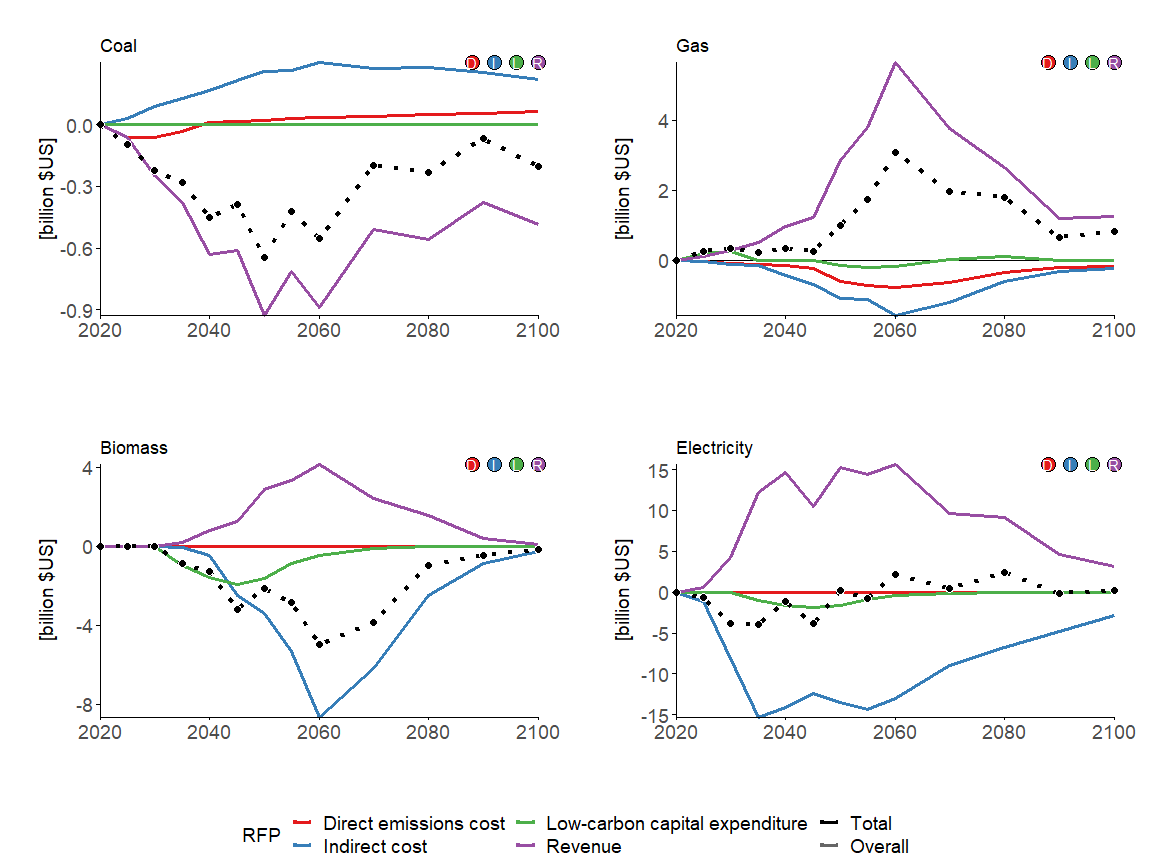
### GCAM



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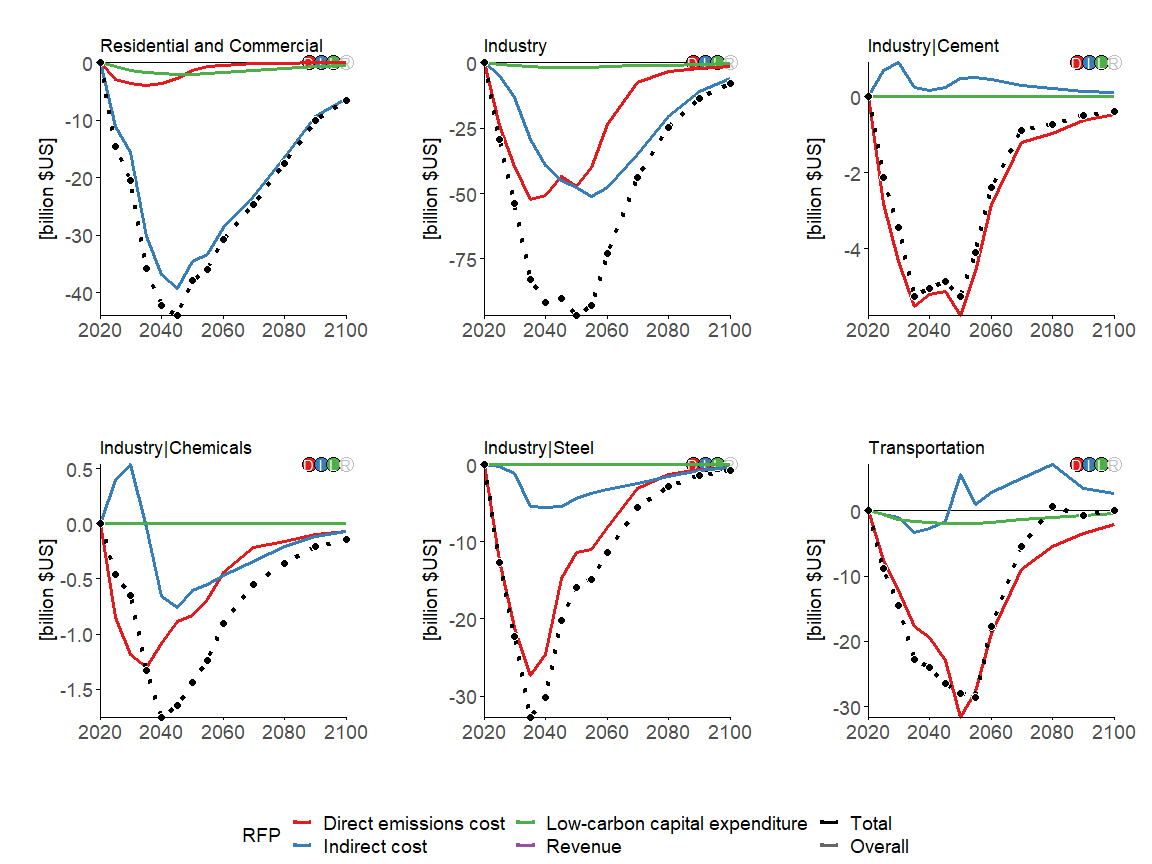
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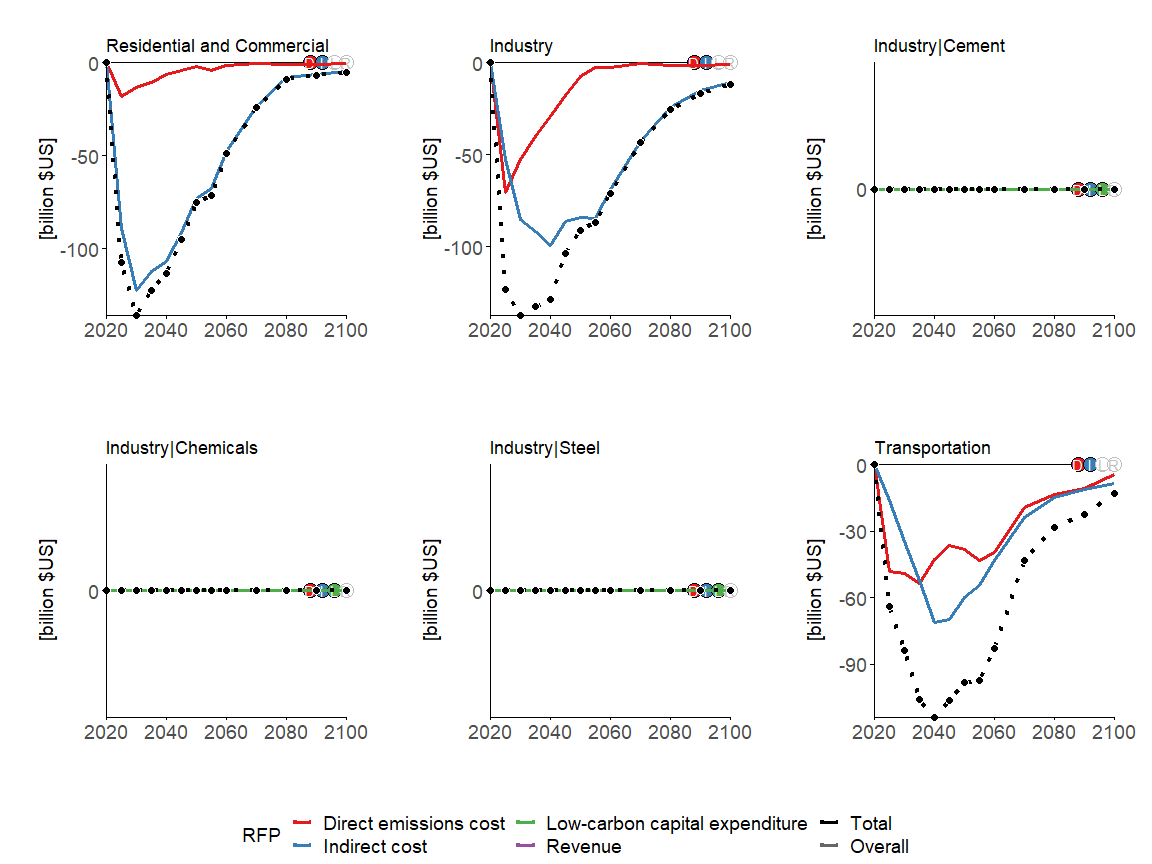
## End-use energy sectors

section\_variables <- c("End-Use|Residential and Commercial", "End-Use|Industry", "End-Use|Industry|Cement", "End-Use|Industry|Chemicals", "End-Use|Industry|Steel", "End-Use|Transportation")

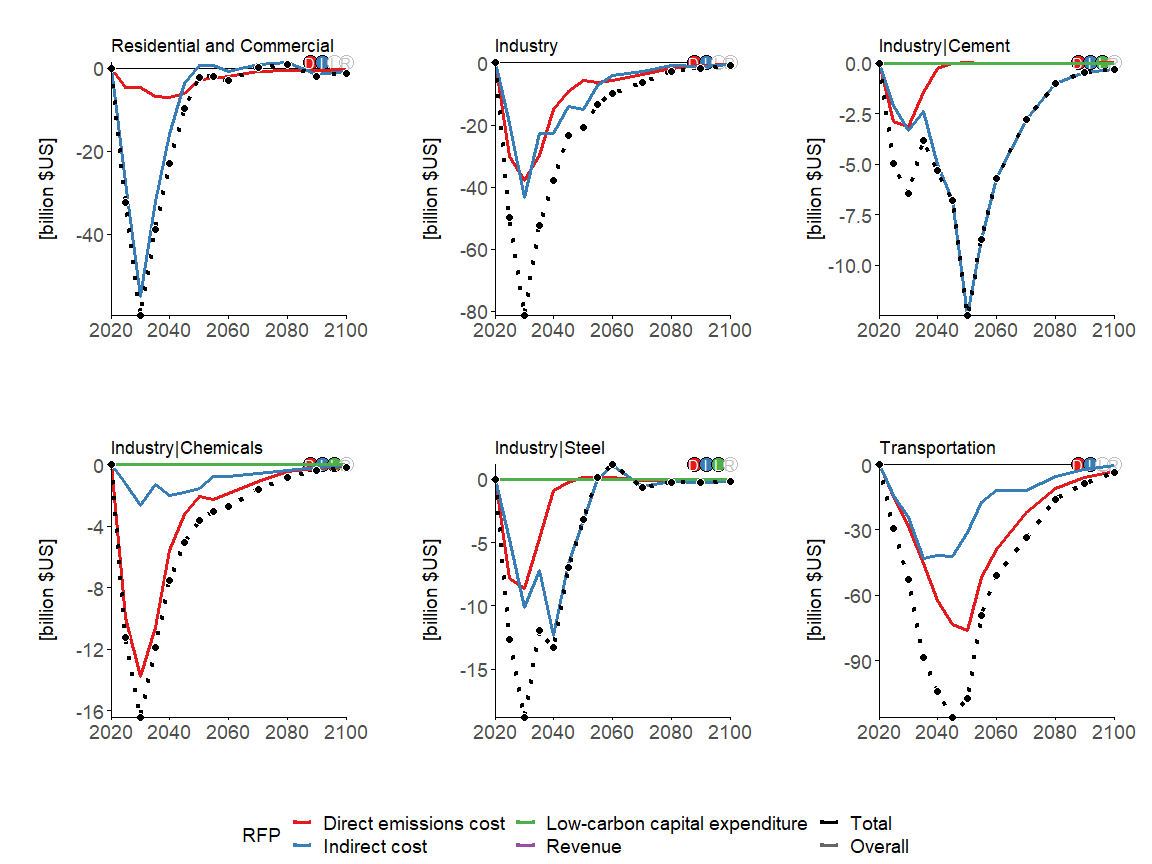
### GCAM



### MESSAGEix-GLOBIOM



### REMIND-MAgPIE



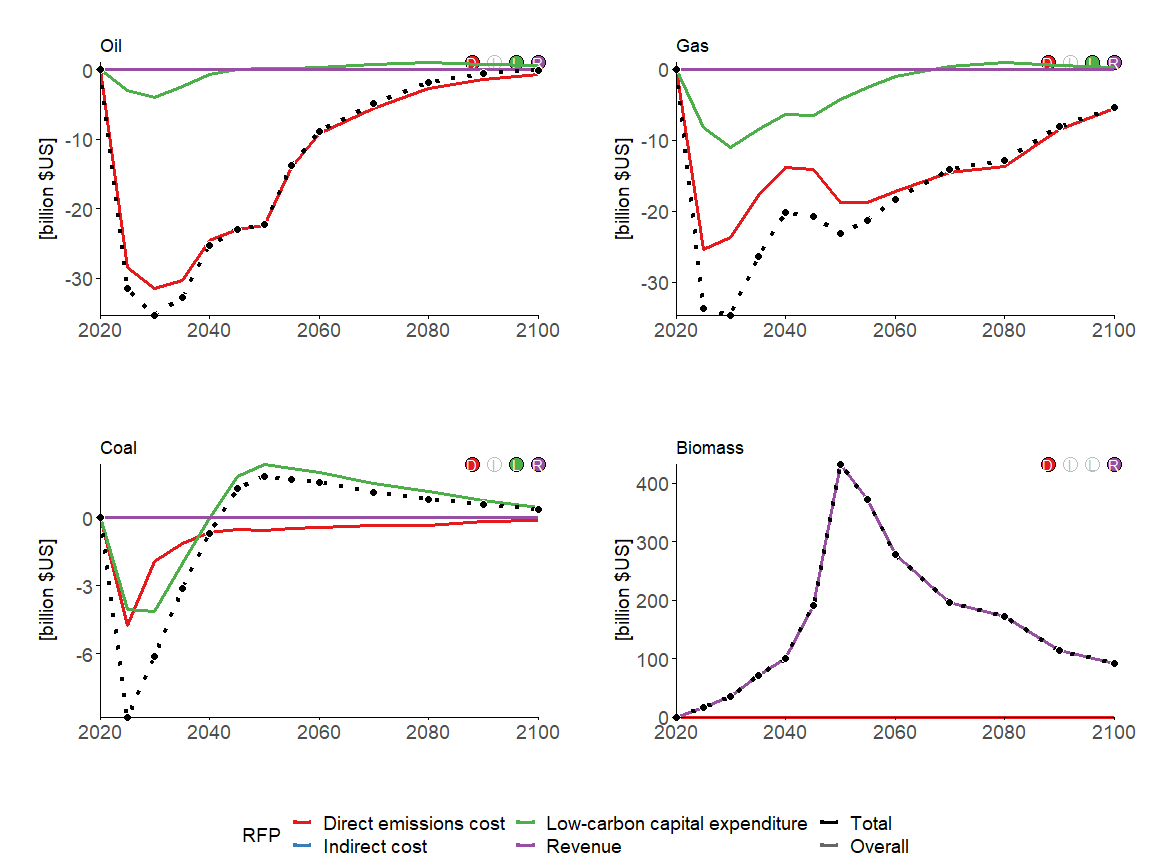
# USA

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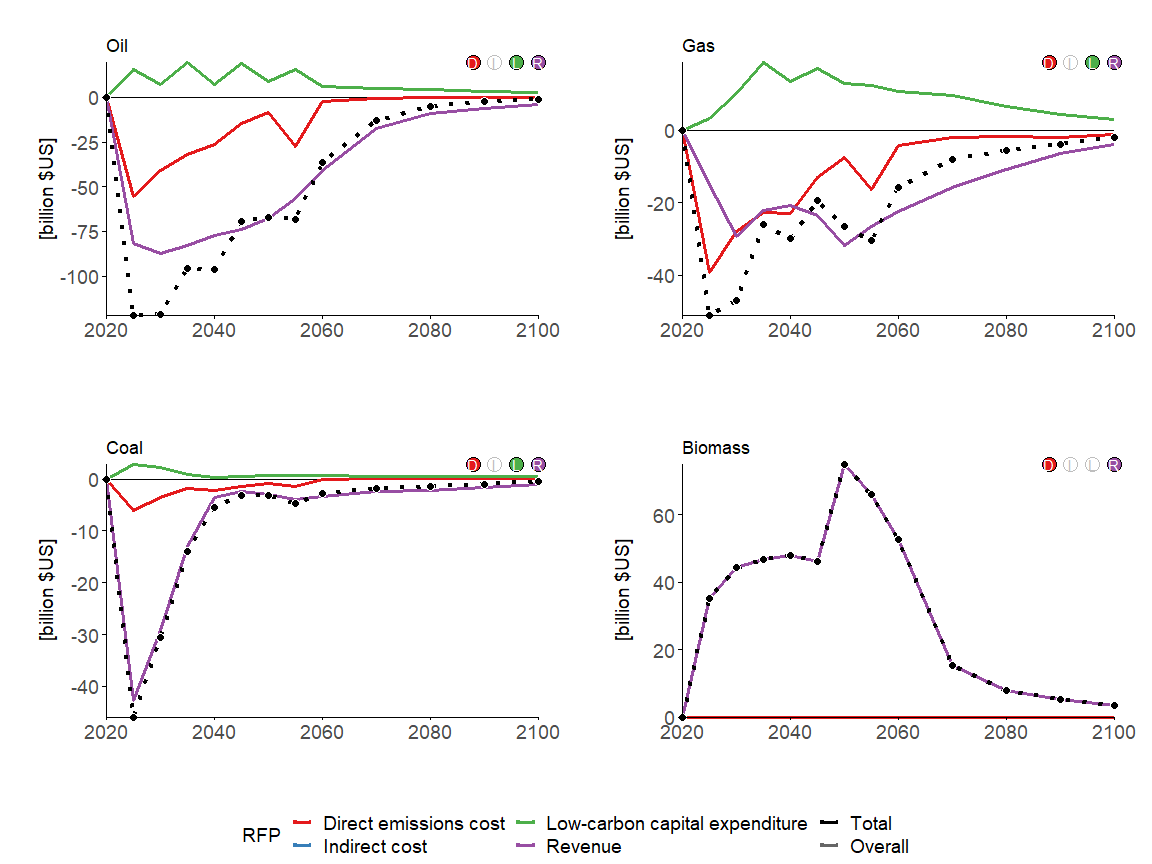
## Primary energy production

section\_variables <- c("Energy Supply|Production|Oil", "Energy Supply|Production|Gas", "Energy Supply|Production|Coal", "Energy Supply|Production|Biomass")

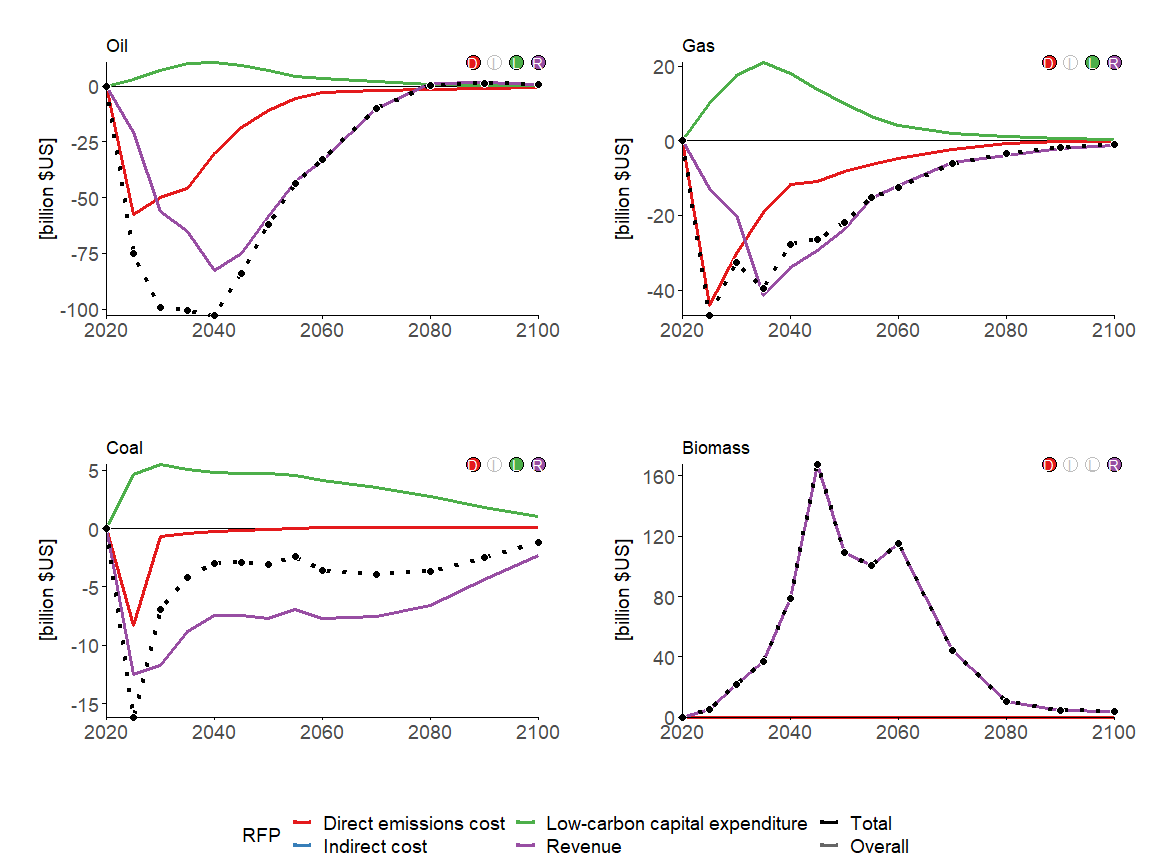
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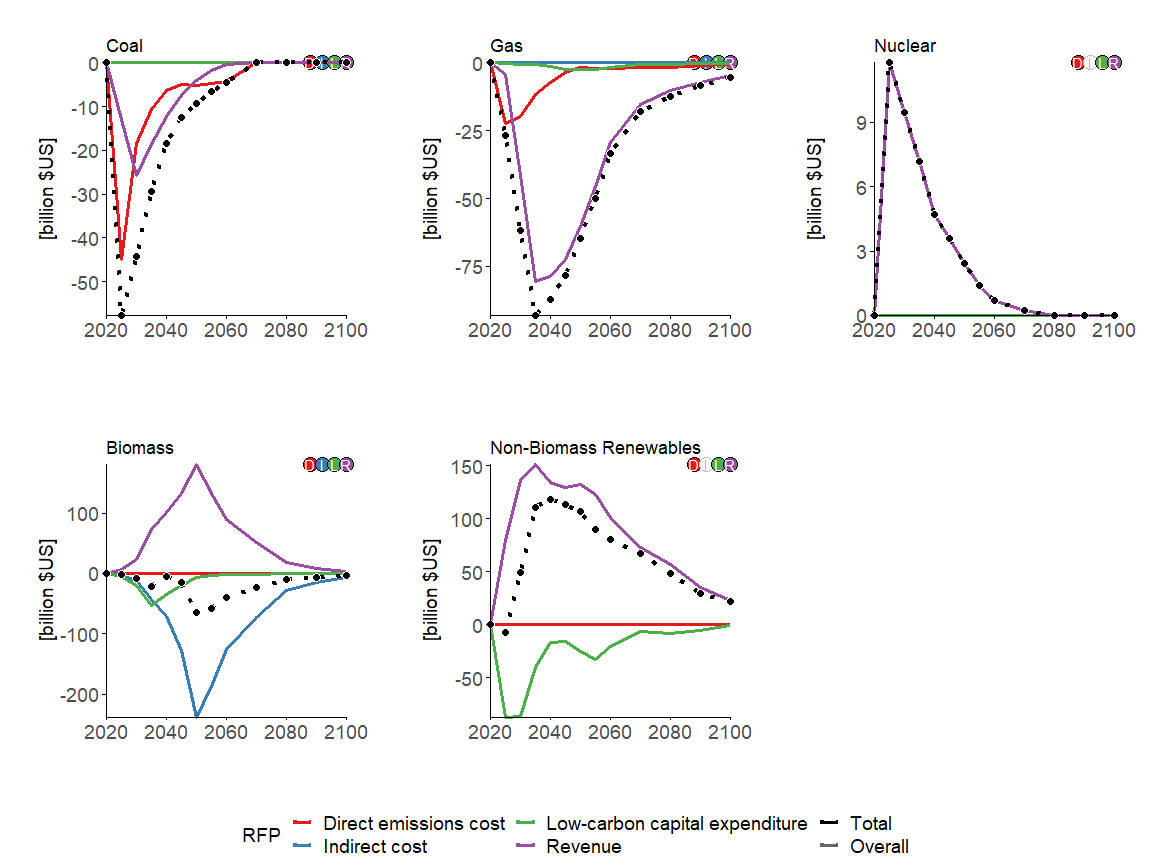
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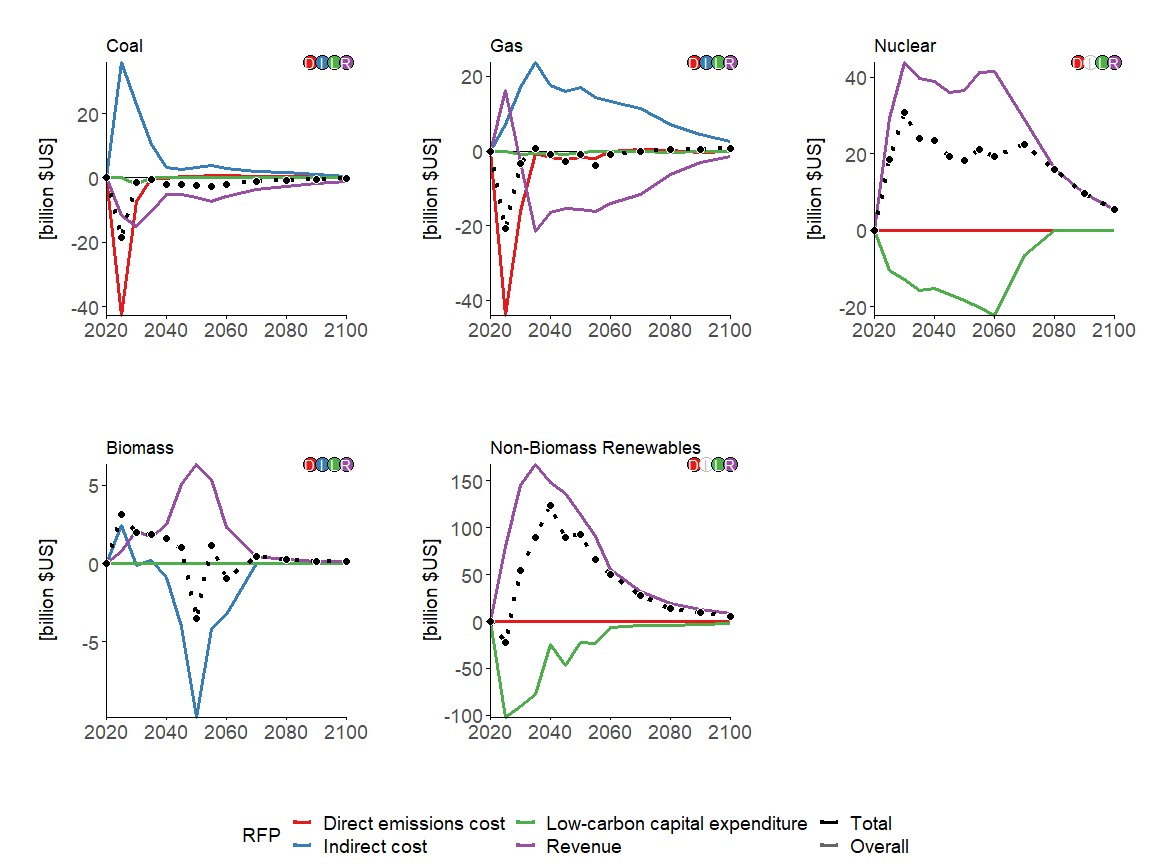
## Electric utilities

section\_variables <- c("Energy Supply|Electric Utilities|Coal", "Energy Supply|Electric Utilities|Gas", "Energy Supply|Electric Utilities|Nuclear", "Energy Supply|Electric Utilities|Biomass", "Energy Supply|Electric Utilities|Non-Biomass Renewables")

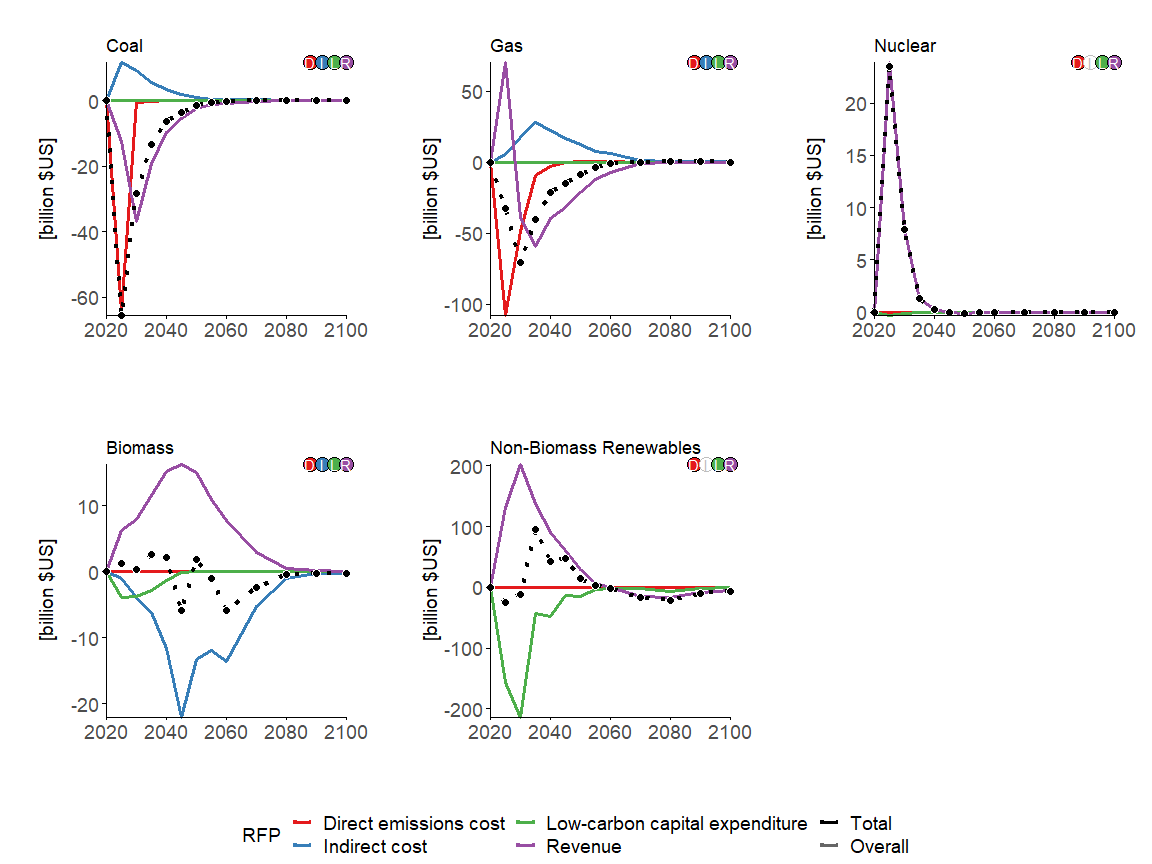
### GCAM



### MESSAGEix-GLOBIOM



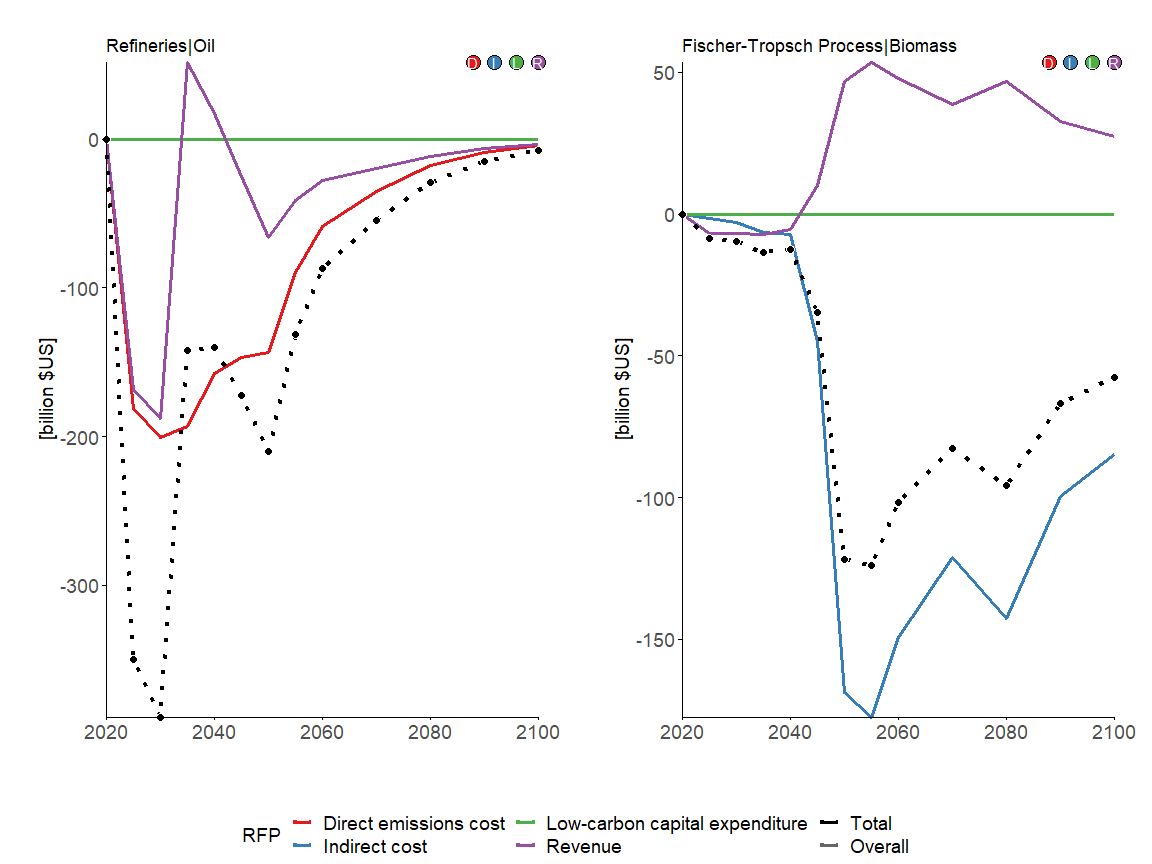
### REMIND-MAgPIE



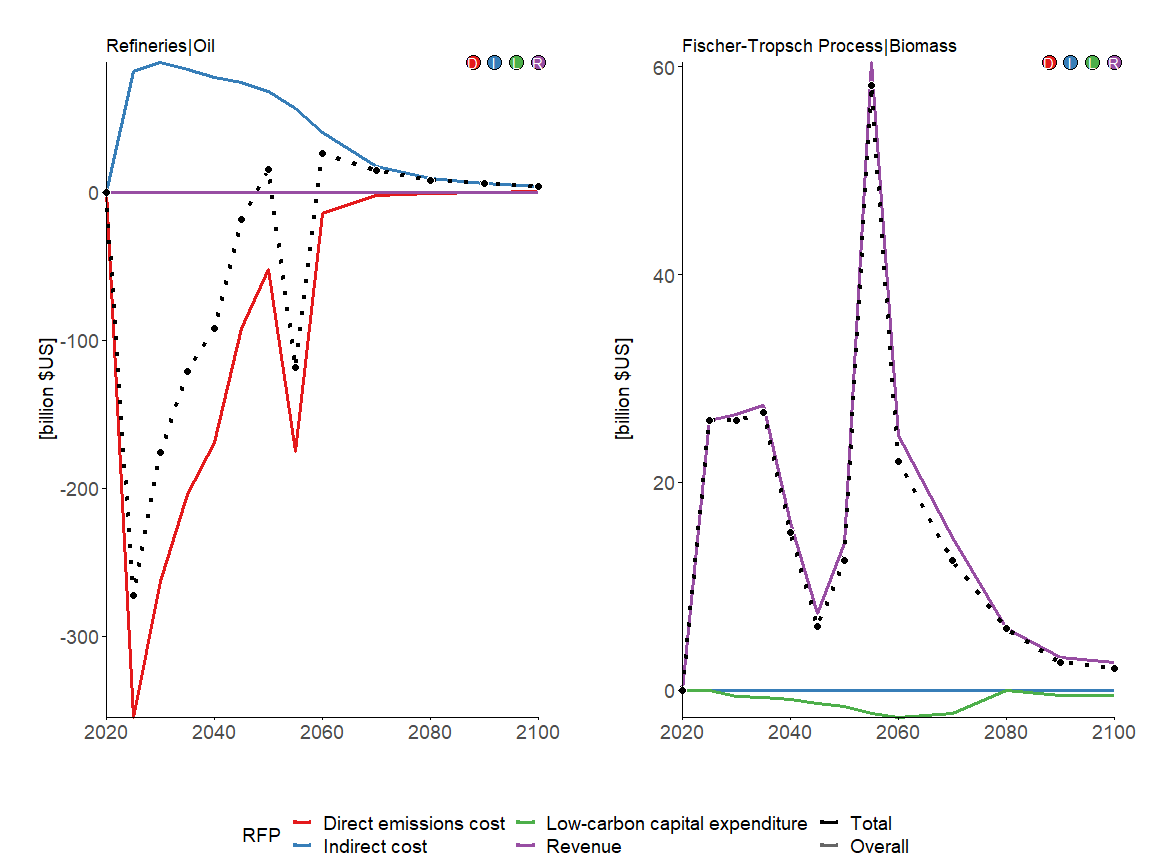
## Liquids fuels

section\_variables <- c("Energy Supply|Refineries|Oil", "Energy Supply|Fischer-Tropsch Process|Biomass")

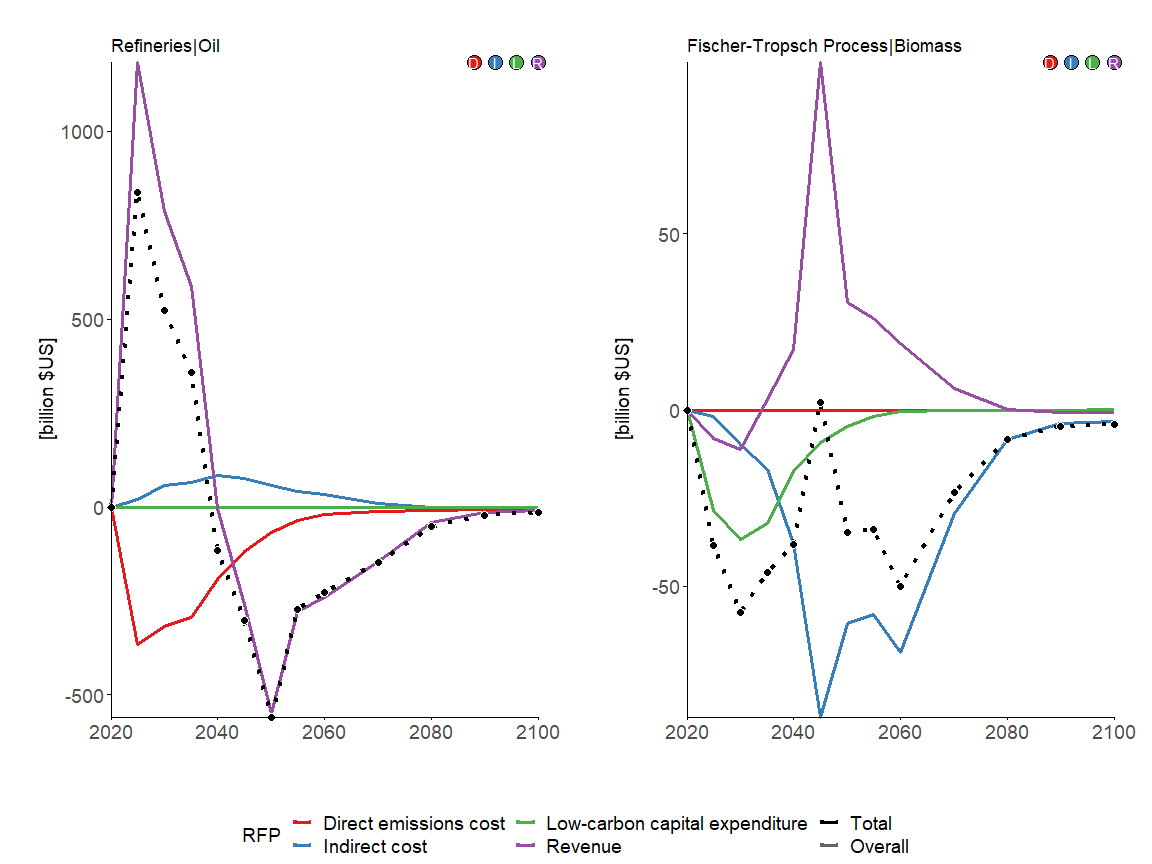
### GCAM



### MESSAGEix-GLOBIOM



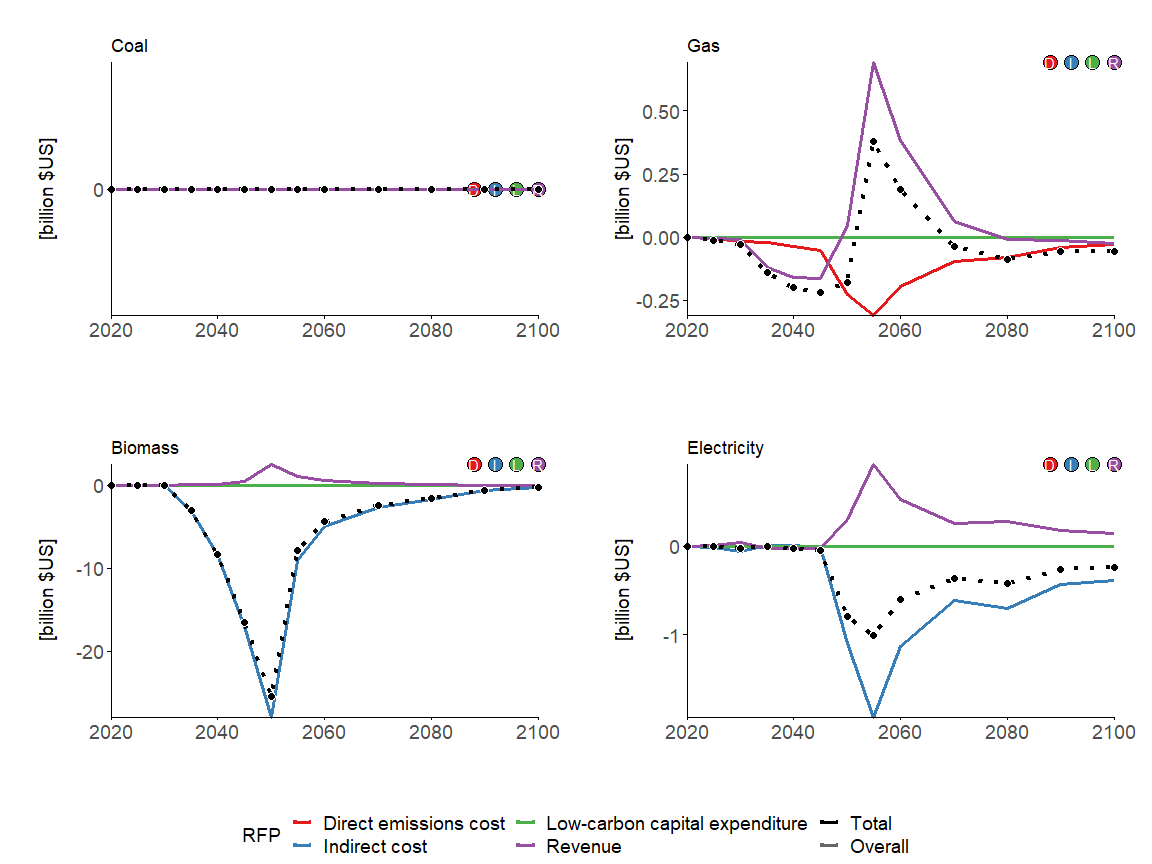
### REMIND-MAgPIE



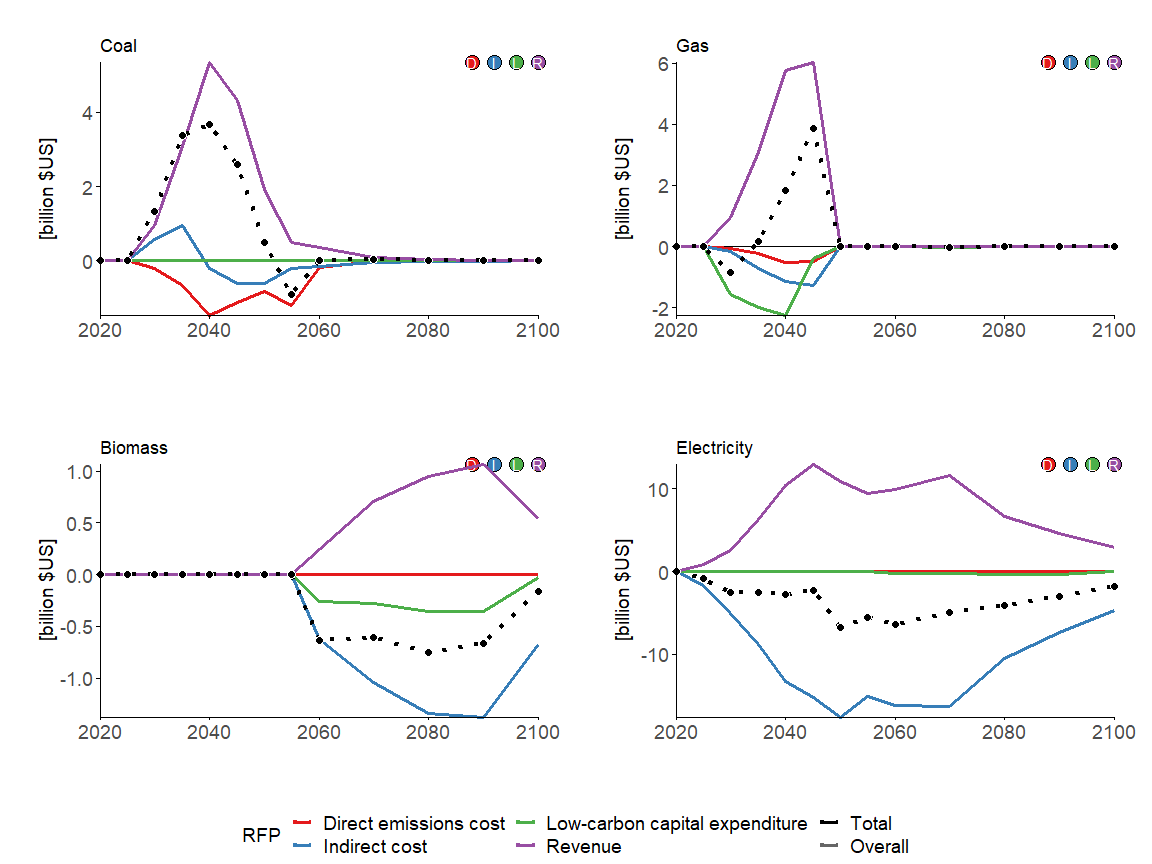
## Hydrogen plants

section\_variables <- c("Energy Supply|Hydrogen Plants|Coal", "Energy Supply|Hydrogen Plants|Gas", "Energy Supply|Hydrogen Plants|Biomass", "Energy Supply|Hydrogen Plants|Electricity")

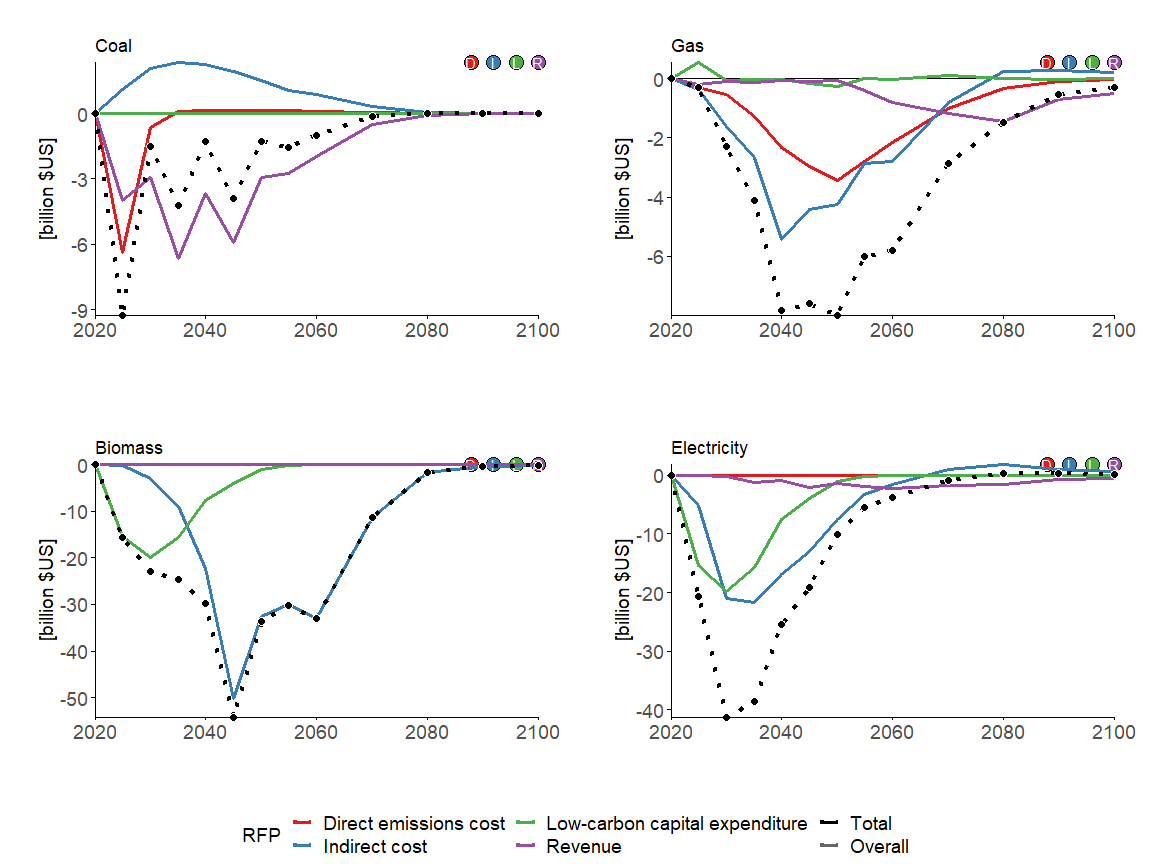
### GCAM



### MESSAGEix-GLOBIOM



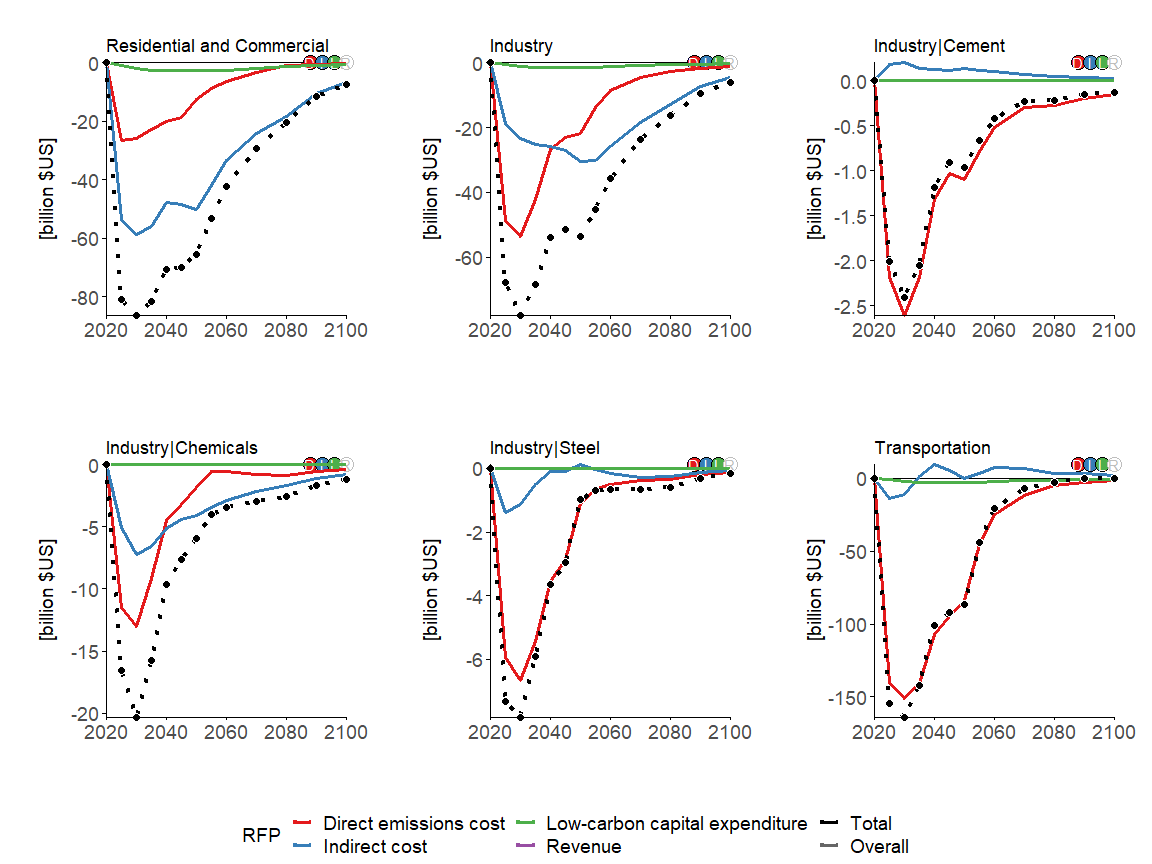
### REMIND-MAgPIE



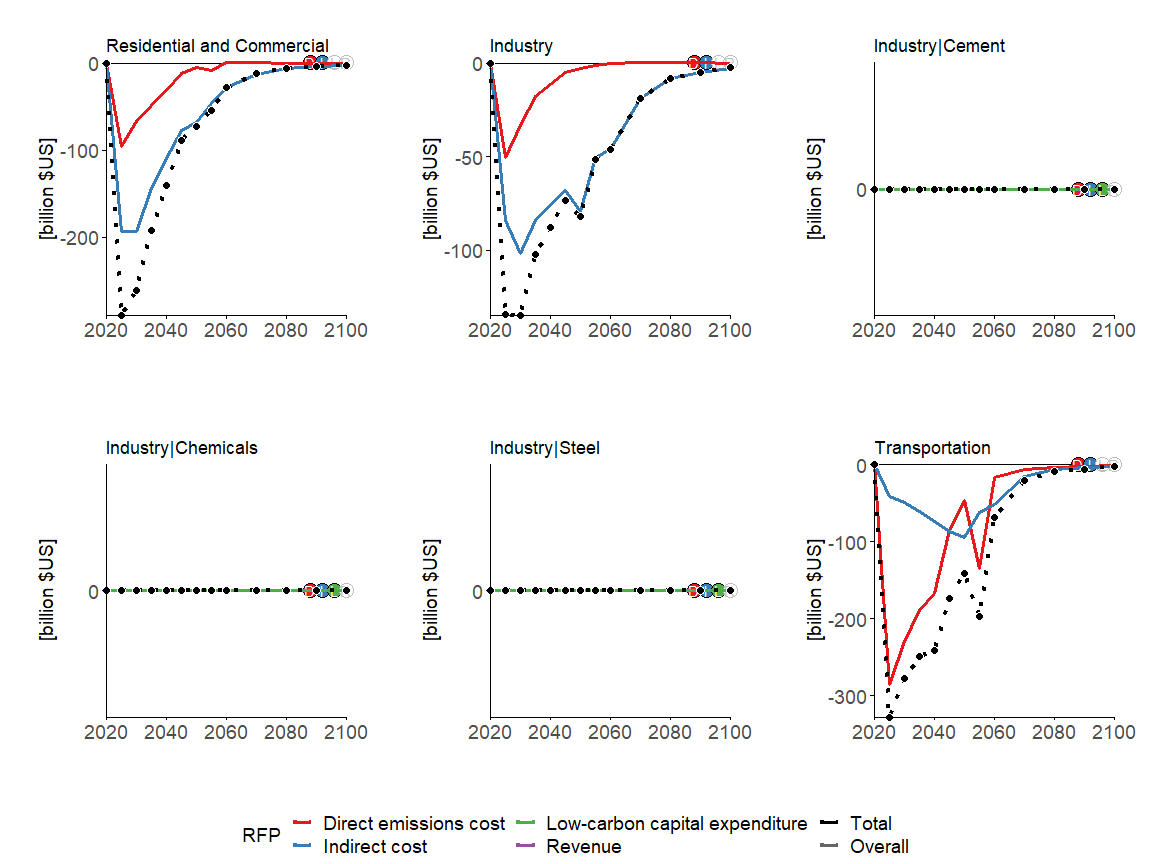
## End-use energy sectors

section\_variables <- c("End-Use|Residential and Commercial", "End-Use|Industry", "End-Use|Industry|Cement", "End-Use|Industry|Chemicals", "End-Use|Industry|Steel", "End-Use|Transportation")

### GCAM



### MESSAGEix-GLOBIOM



### REMIND-MAgPIE

