

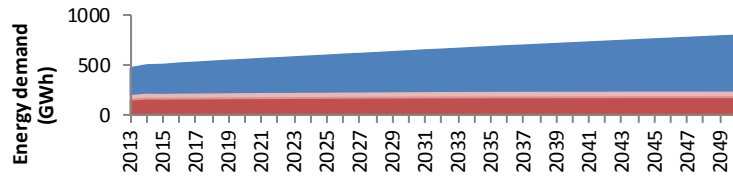
Sector: Residential Apartments

Alternative Scenario: Electricity

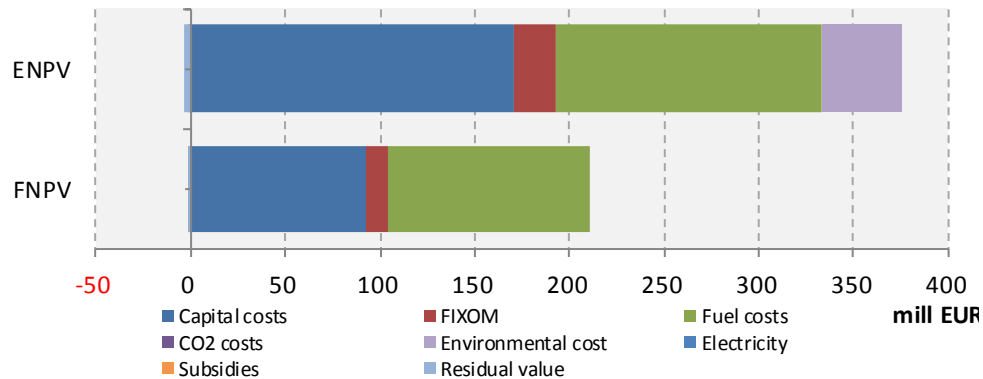
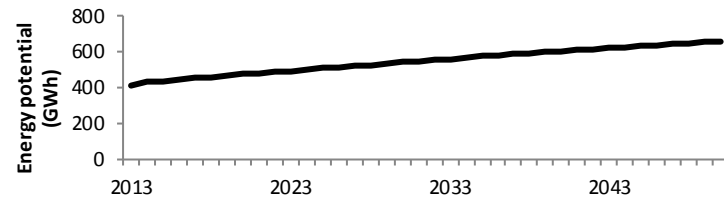
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Residential - Apartments

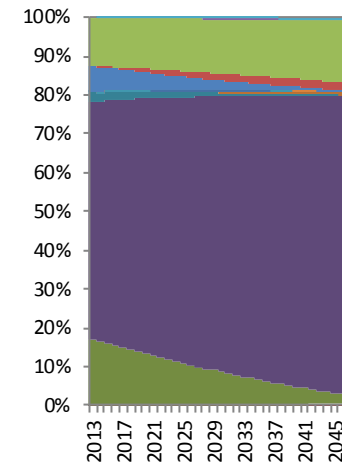


Technical potential of Split unit - Heat pumps fueled by Electricity

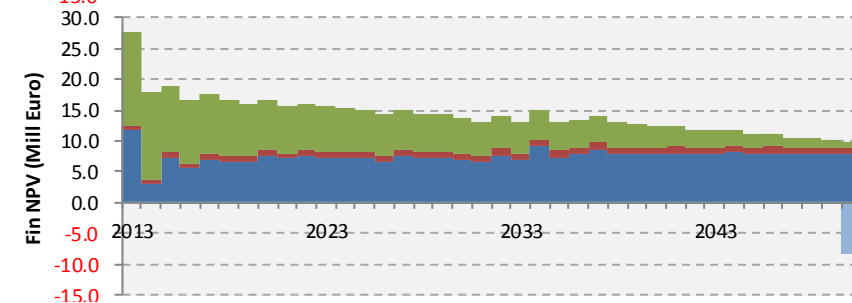
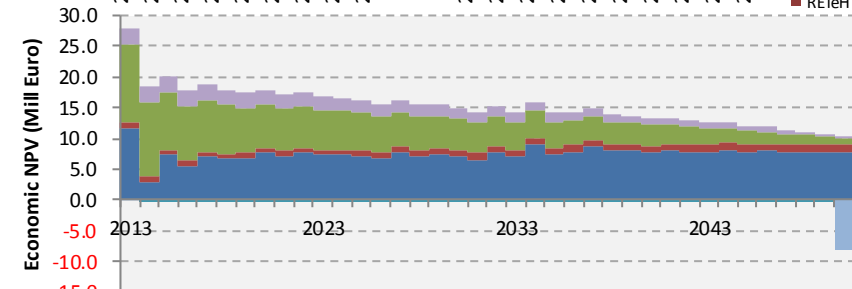
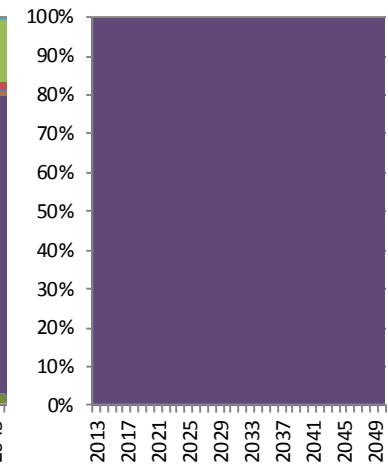


FNPV: 209.8 M€ **ENPV:** 372.5 M€

BASELINE



ALTERNATIVE



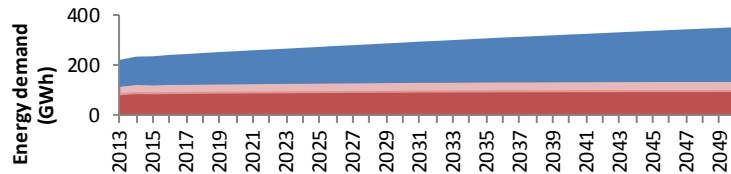
Sector: Residential **Single**

Alternative Scenario: Solar

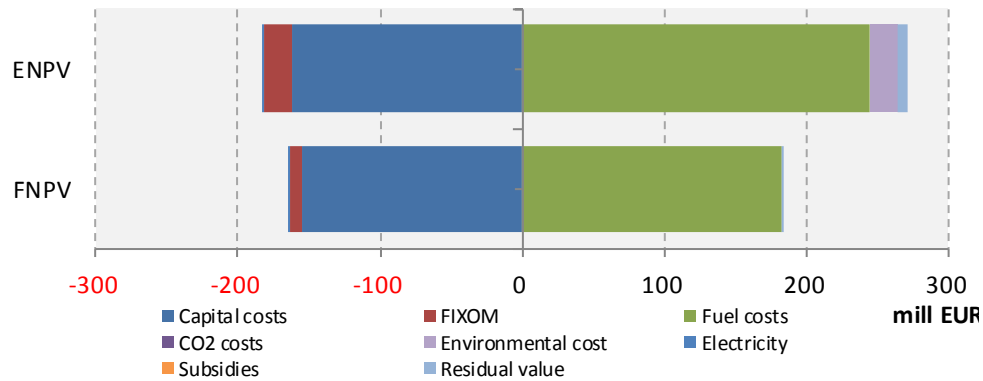
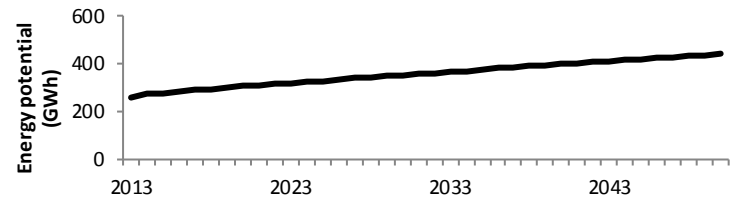
System Boundary: Nicosia

Solar panels

Energy demand of Residential - Single

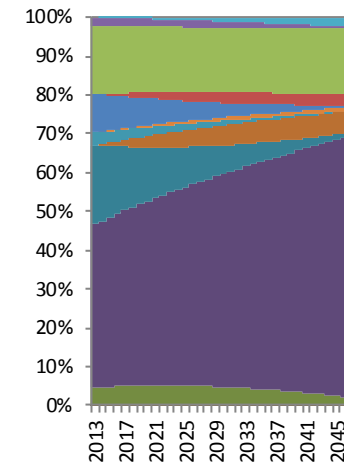


Technical potential of Solar panels fueled by Solar

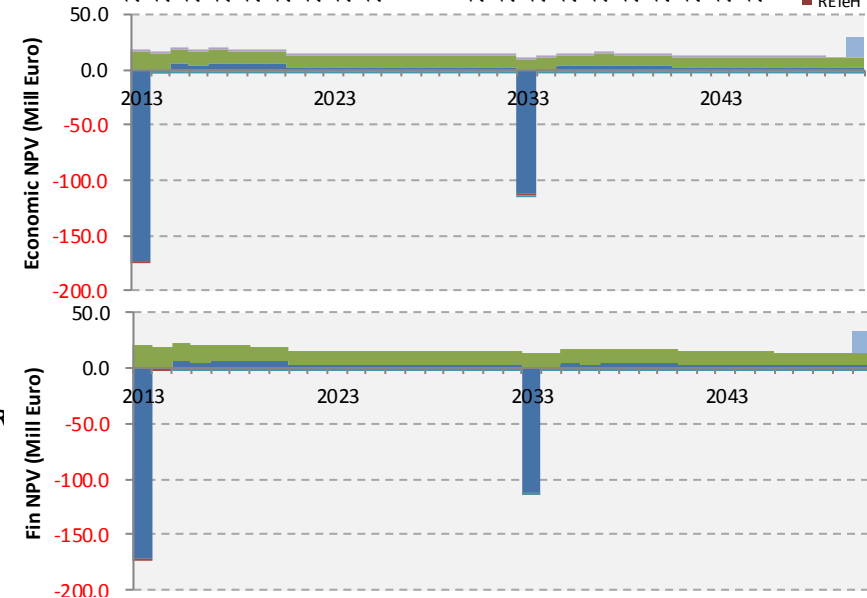
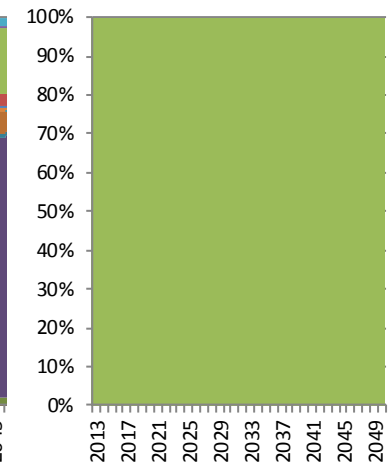


FNPV: 20.3 M€ **ENPV:** 89.1 M€

BASELINE



ALTERNATIVE



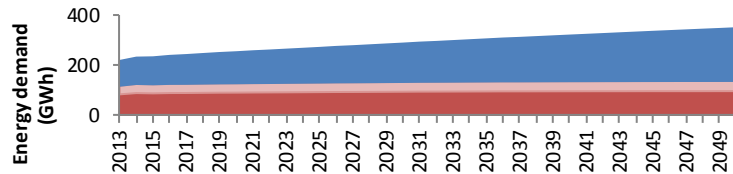
Sector: Residential **Single**

Alternative Scenario: Electricity

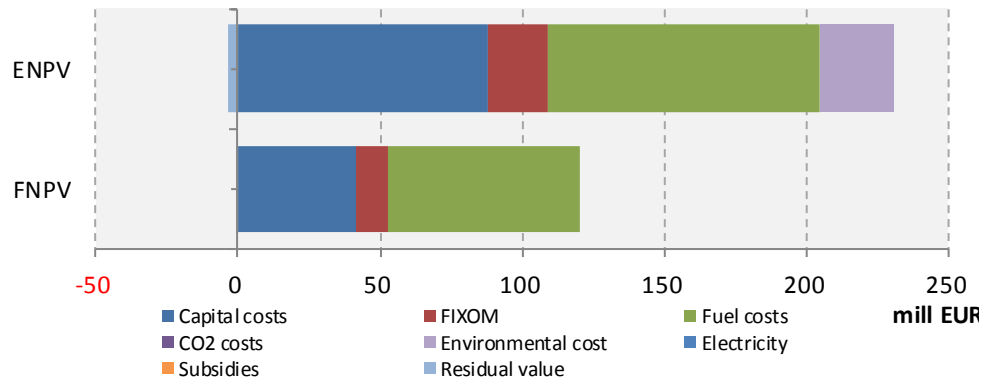
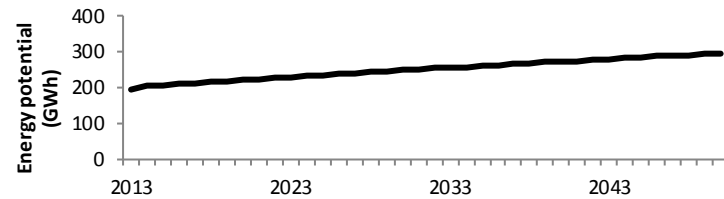
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Residential - Single

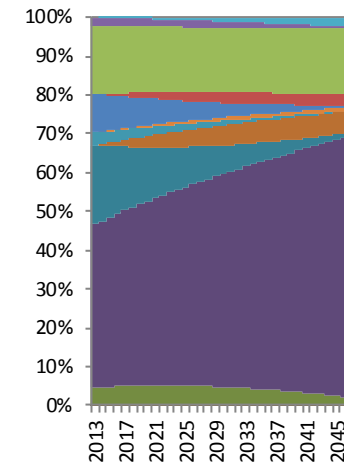


Technical potential of Split unit - Heat pumps fueled by Electricity

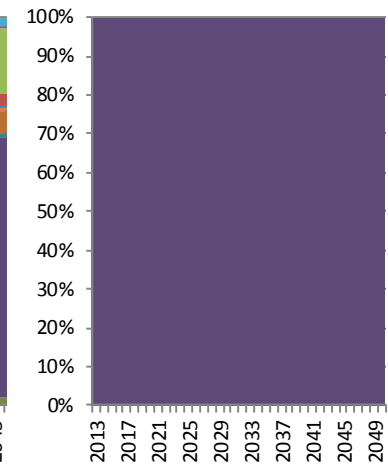


FNPV: 120.0 M€ **ENPV:** 227.8 M€

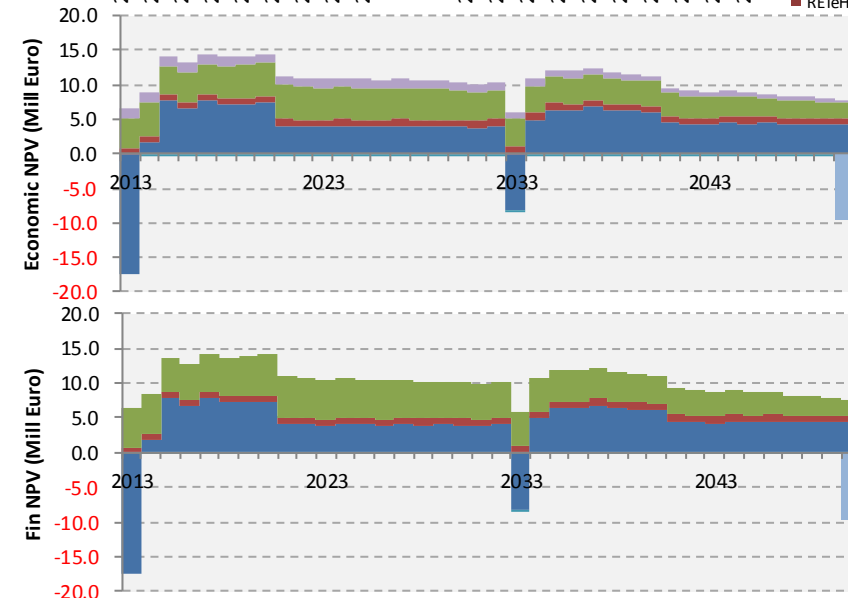
BASELINE



ALTERNATIVE



Legend for energy sources:
RWash, RLPGC, RLivE, RLivC, RMunE, RMunC, RSolC, RSolE, RSolB, RSolS, RLPGE, RLPGB, RKerE, RKerB, RLigC, RLigE, RLigB, RGasC, RGasE, RGasB, REleS, REleR, REleH

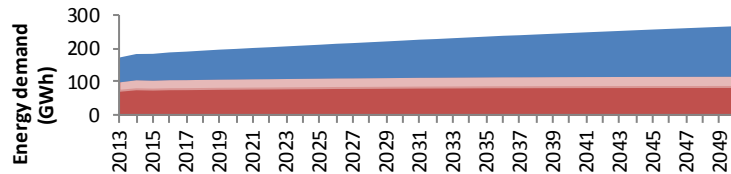


Sector: Residential Row

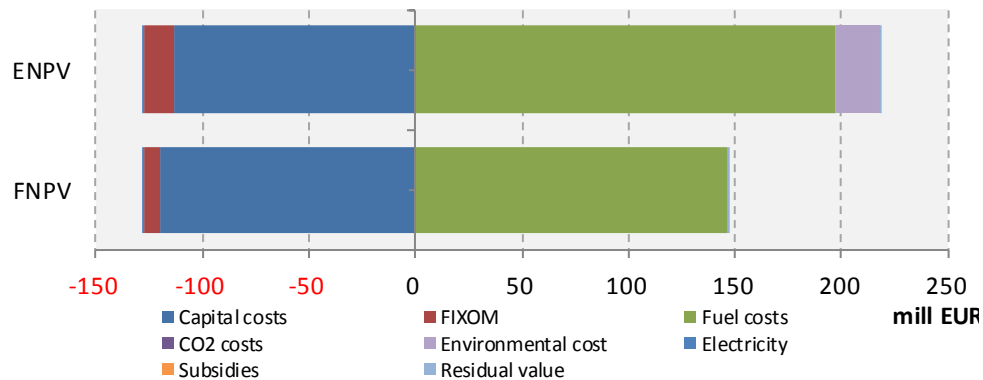
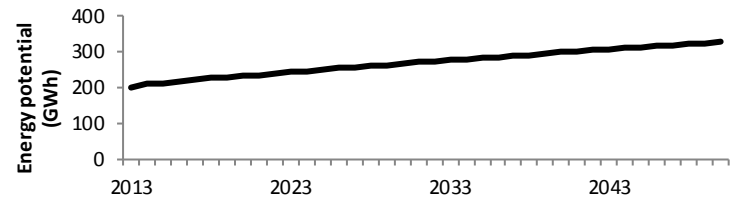
Alternative Scenario: Solar

System Boundary: Nicosia

Energy demand of Residential - Row



Technical potential of Solar panels fueled by Solar

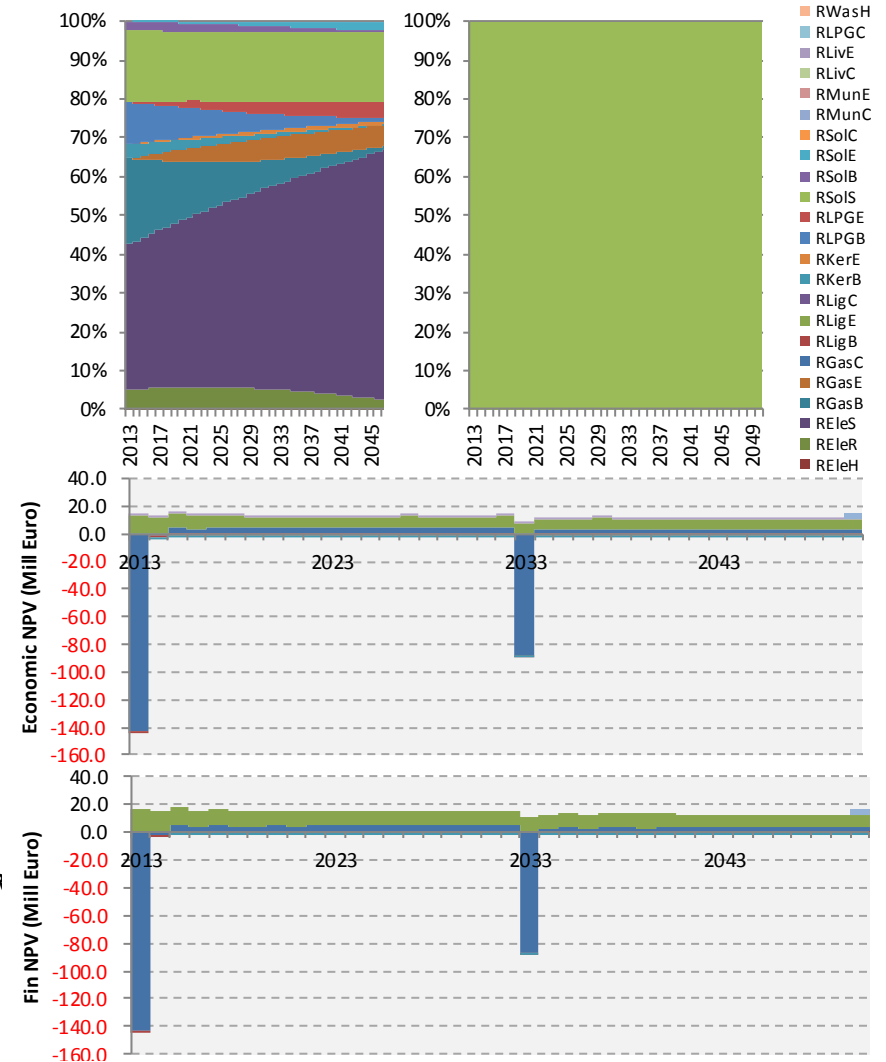


FNPV: 19.9 M€ ENPV: 92.0 M€

Solar panels

BASELINE

ALTERNATIVE



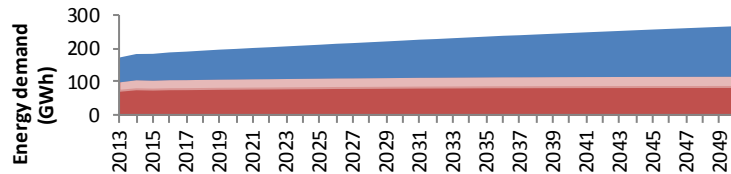
Sector: Residential **Row**

Alternative Scenario: Electricity

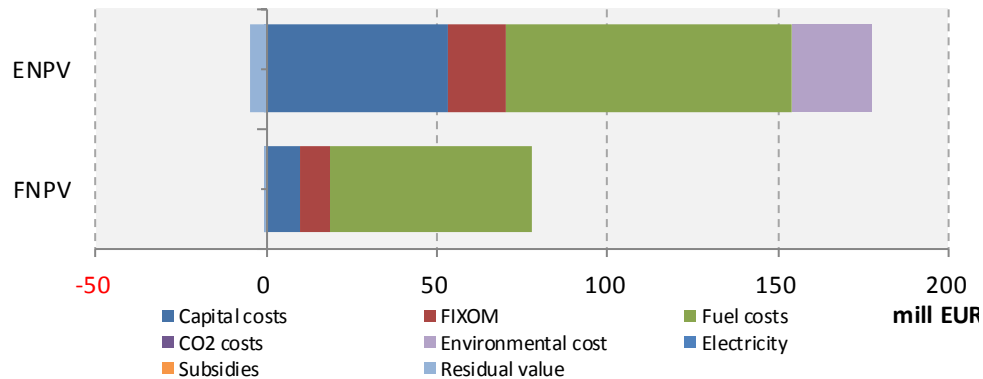
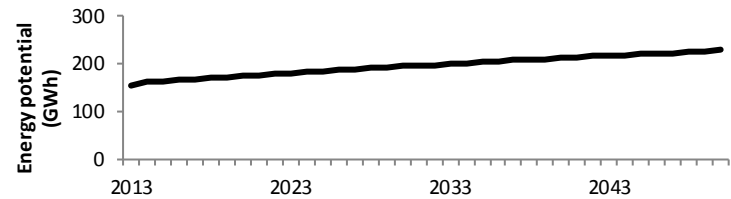
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Residential - Row



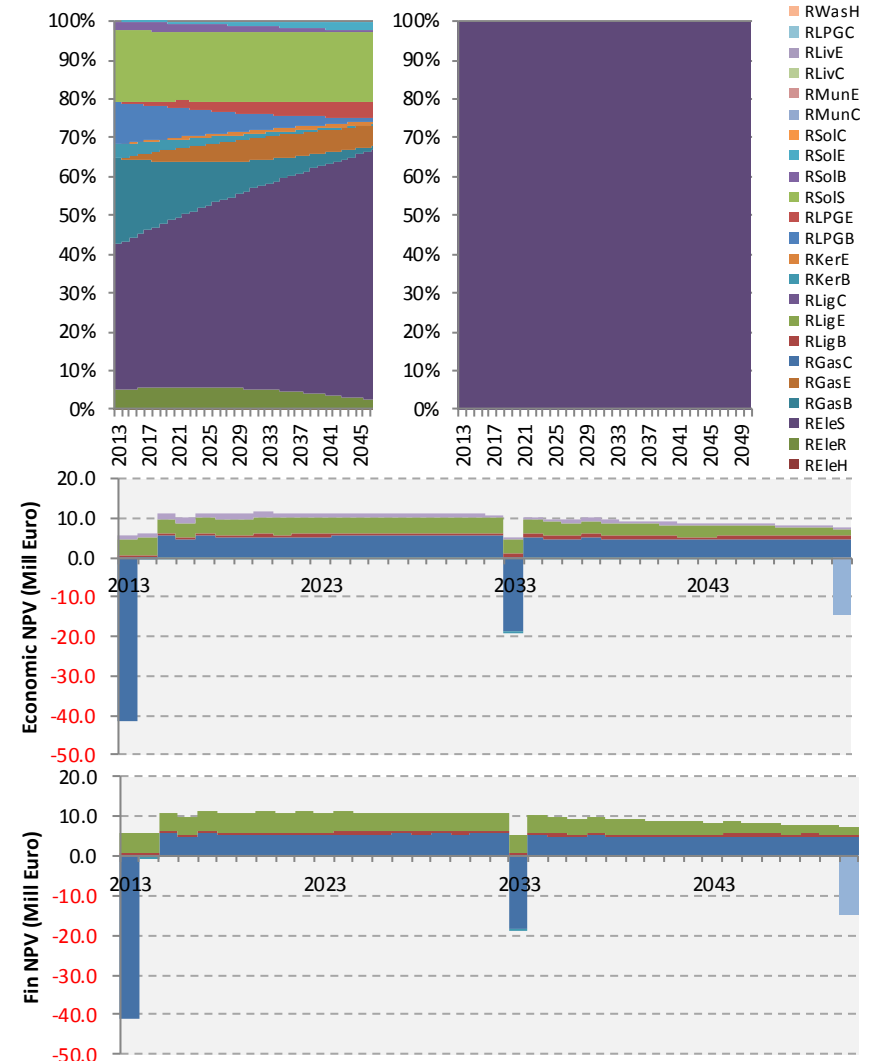
Technical potential of Split unit - Heat pumps fueled by Electricity



FNPV: 76.9 M€ **ENPV:** 172.5 M€

BASELINE

ALTERNATIVE



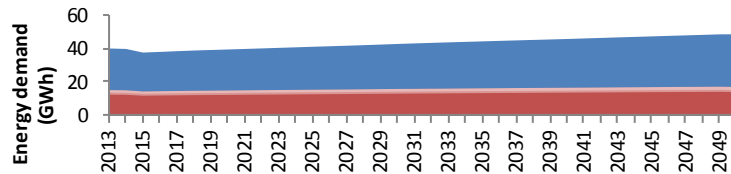
Sector: Service Schools

Alternative Scenario: Electricity

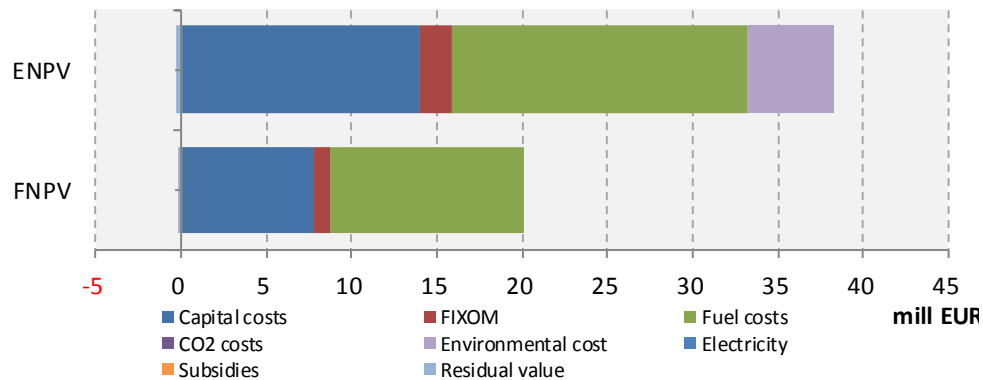
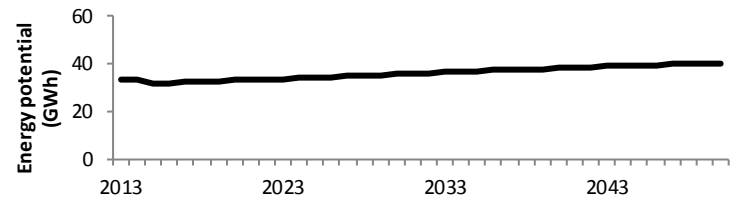
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Service - Schools

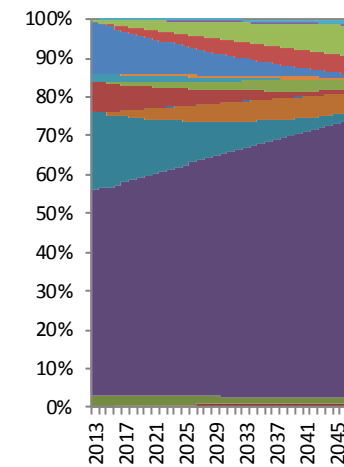


Technical potential of Split unit - Heat pumps fueled by Electricity

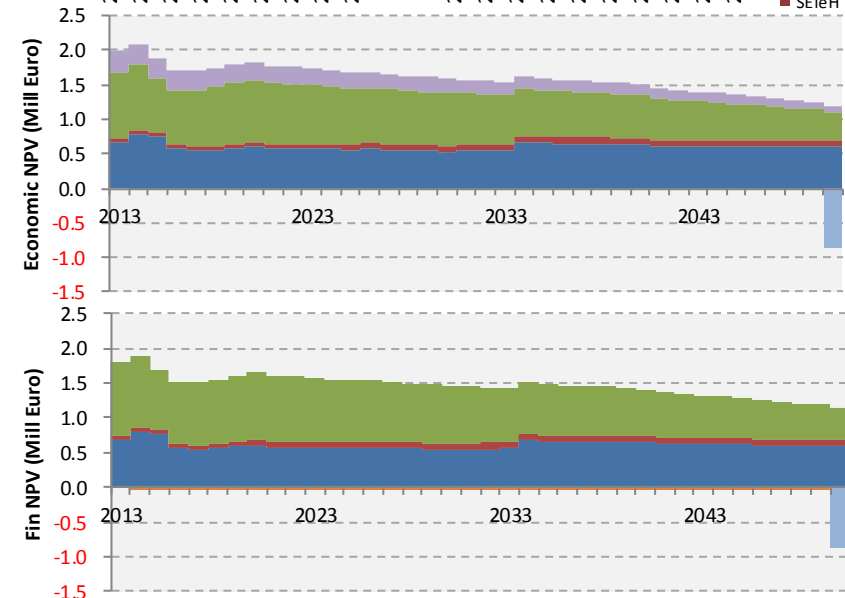
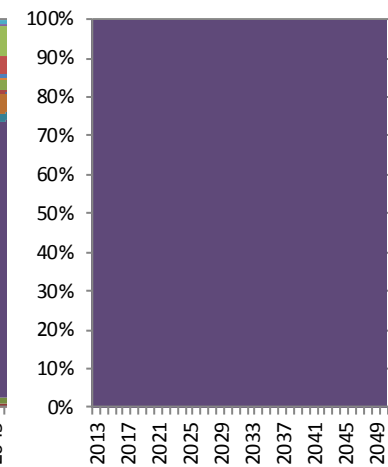


FNPV: 20.0 M€ ENPV: 37.9 M€

BASELINE



ALTERNATIVE



Sector: Service

Offices

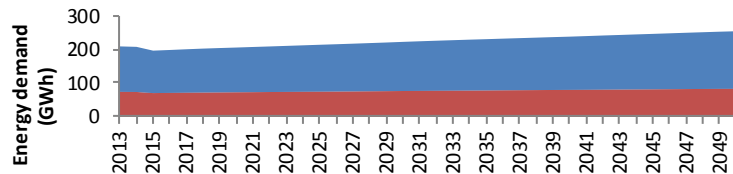
Alternative Scenario: Electricity

Split unit - Heat pumps

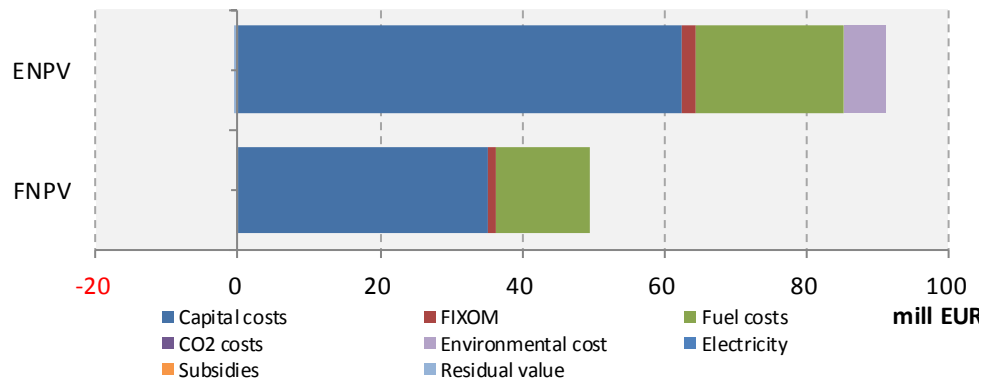
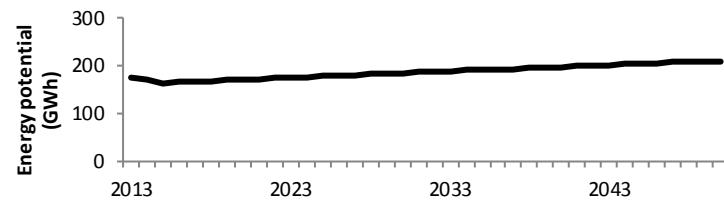
System Boundary:

Nicosia

Energy demand of Service - Offices



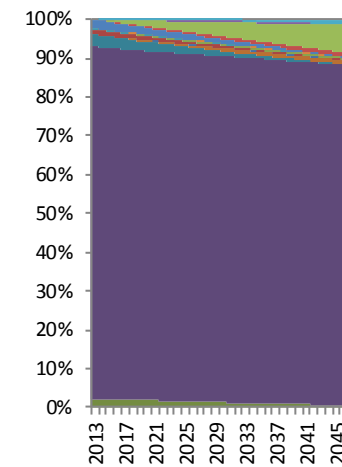
Technical potential of Split unit - Heat pumps fueled by Electricity



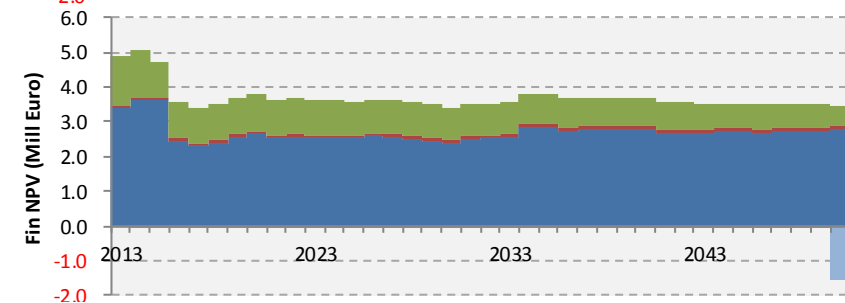
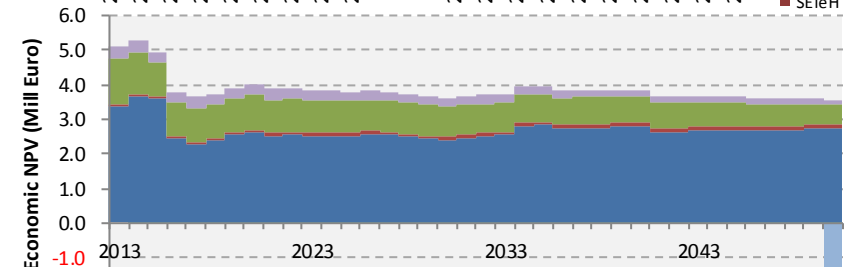
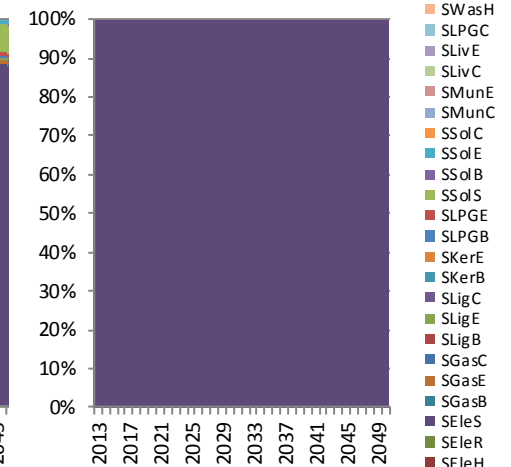
ENPV: 90.5 M€

FNPV: 49.2 M€

BASELINE



ALTERNATIVE



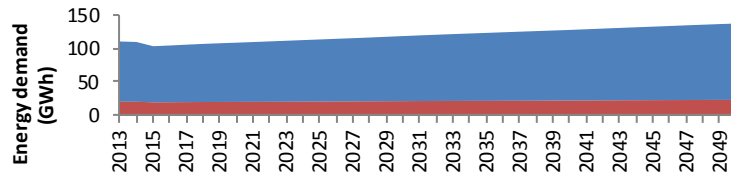
Sector: Service Shopping

Alternative Scenario: Electricity

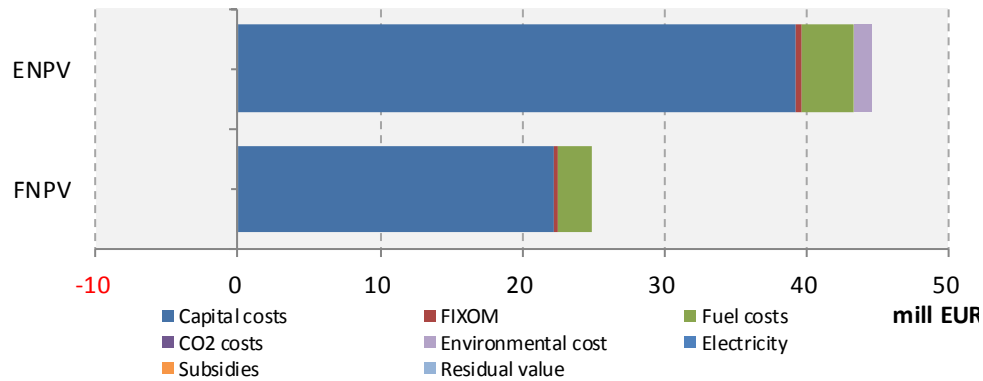
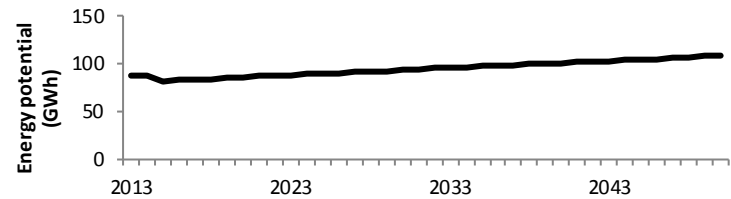
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Service - Shopping

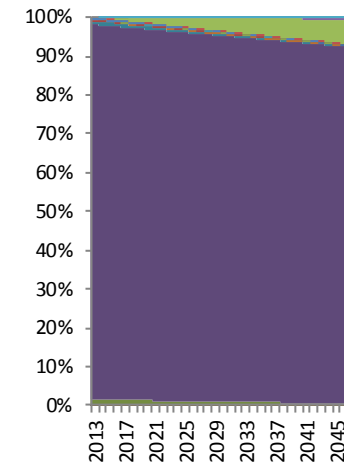


Technical potential of Split unit - Heat pumps fueled by Electricity

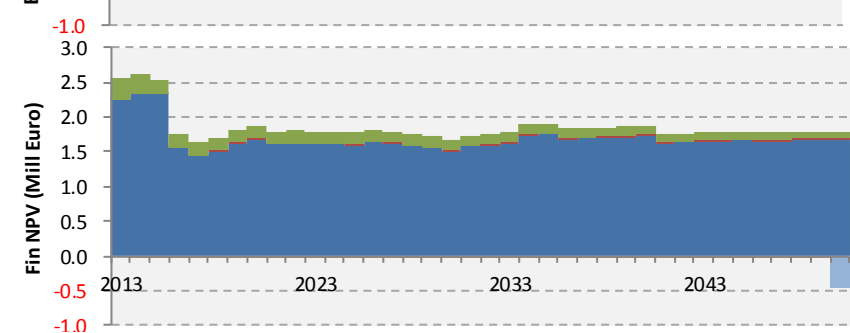
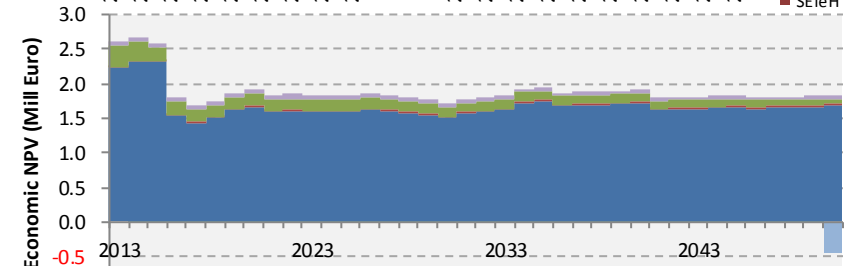
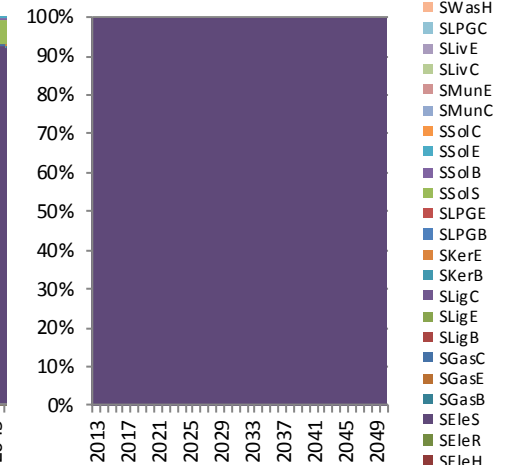


FNPV: 24.8 M€ ENPV: 44.4 M€

BASELINE



ALTERNATIVE



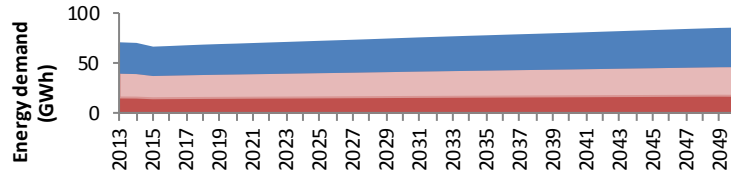
Sector: Service Healthcare

Alternative Scenario: Electricity

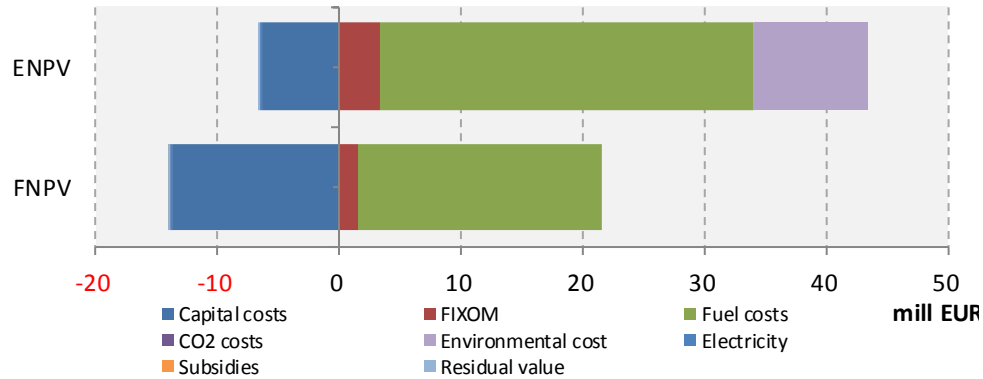
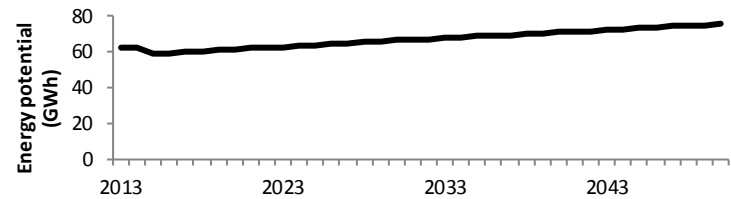
Heat pumps

System Boundary: Nicosia

Energy demand of Service - Healthcare

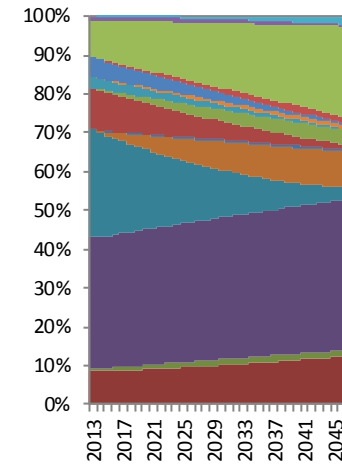


Technical potential of Heat pumps fueled by Electricity

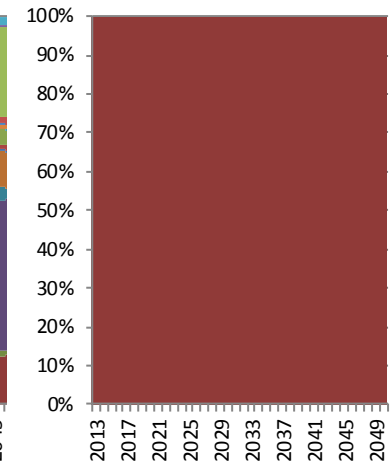


FNPV: 7.6 M€ ENPV: 36.6 M€

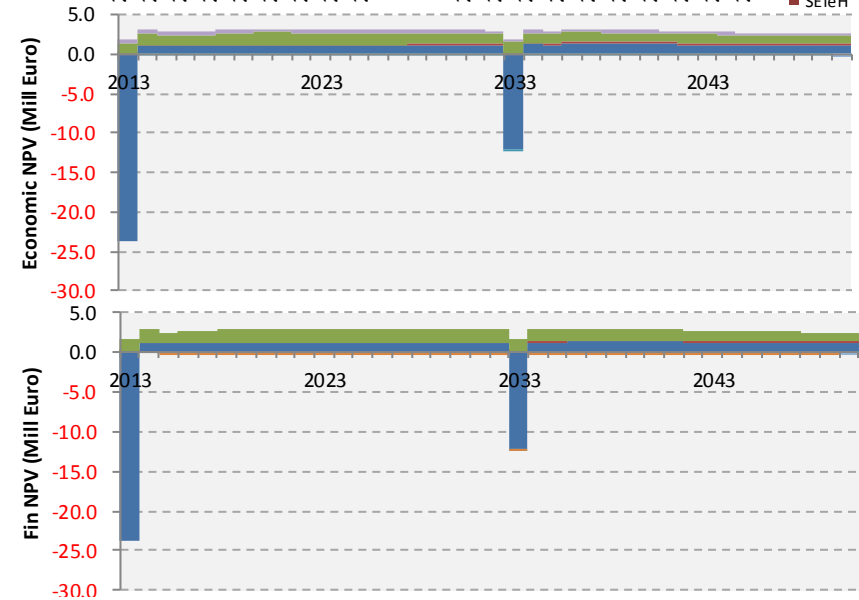
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
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SLigC
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SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



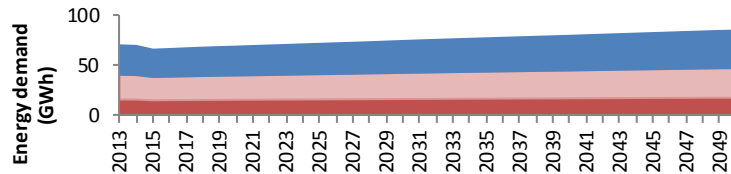
Sector: Service Healthcare

Alternative Scenario: Solar

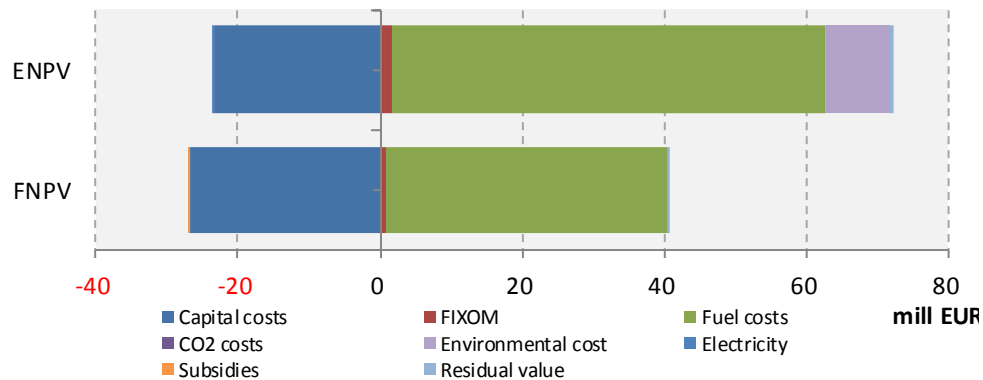
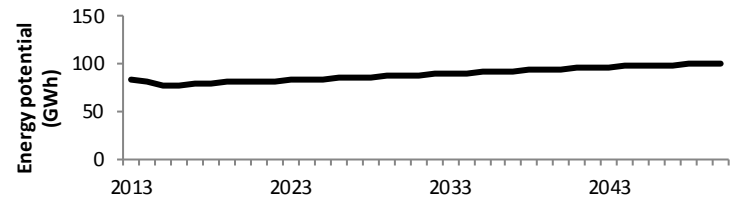
System Boundary: Nicosia

Solar panels

Energy demand of Service - Healthcare

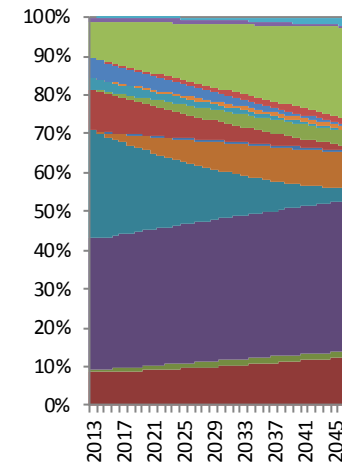


Technical potential of Solar panels fueled by Solar

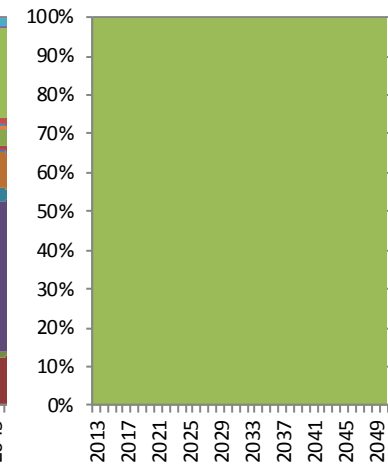


FNPV: 13.7 M€ ENPV: 48.7 M€

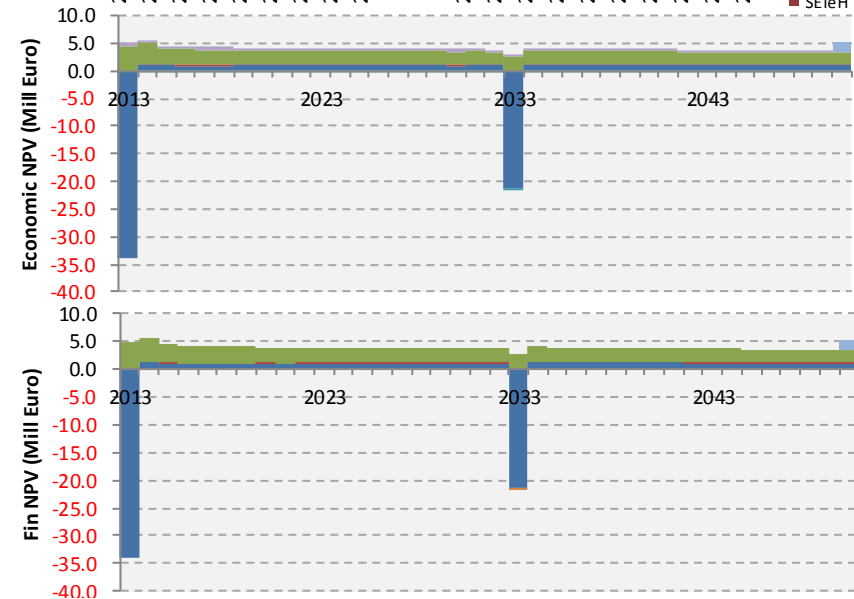
BASELINE



ALTERNATIVE



SWasH, SLPGC, SLivE, SLivC, SMunE, SMunC, SSolC, SSolE, SSolB, SSolS, SLPGE, SLPGB, SKerE, SKerB, SLigC, SLigE, SLigB, SGasC, SGasE, SGasB, SEleS, SEleR, SEleH



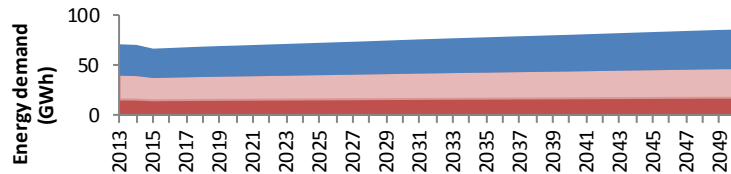
Sector: Service Healthcare

Alternative Scenario: Electricity

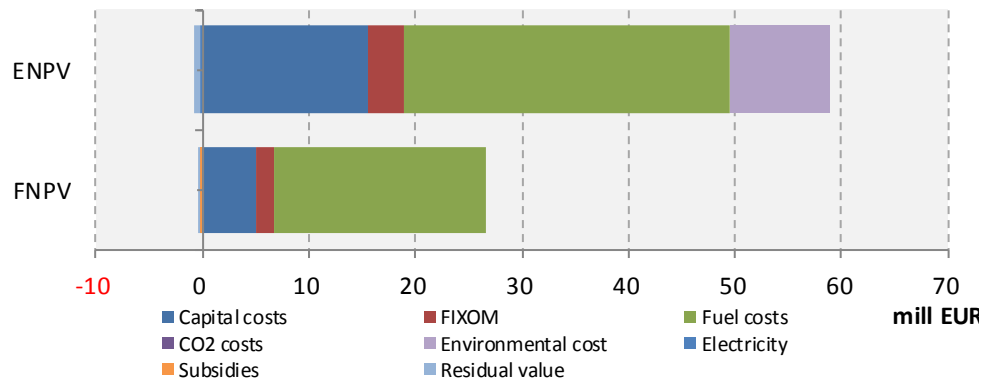
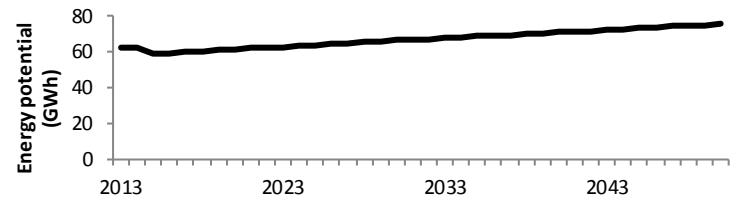
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Service - Healthcare

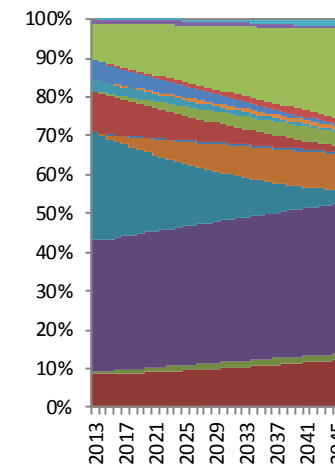


Technical potential of Split unit - Heat pumps fueled by Electricity

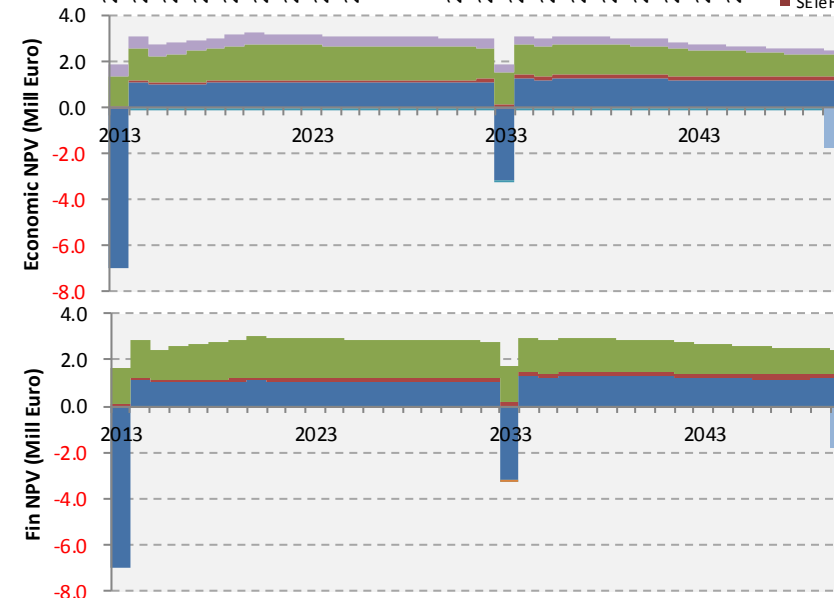
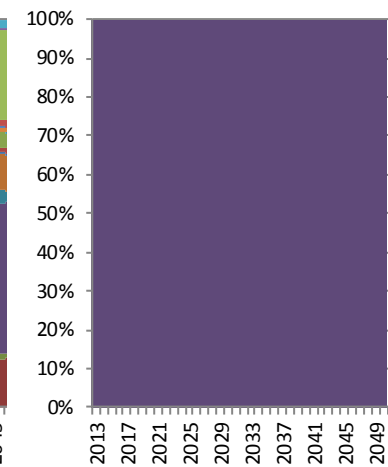


FNPV: 26.3 M€ ENPV: 58.0 M€

BASELINE



ALTERNATIVE



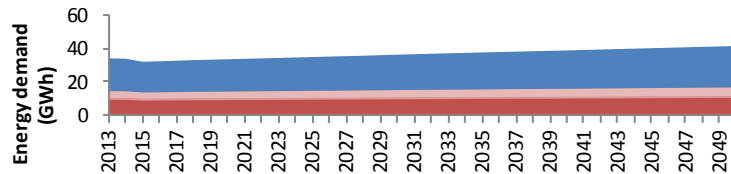
Sector: Service Catering

Alternative Scenario: Electricity

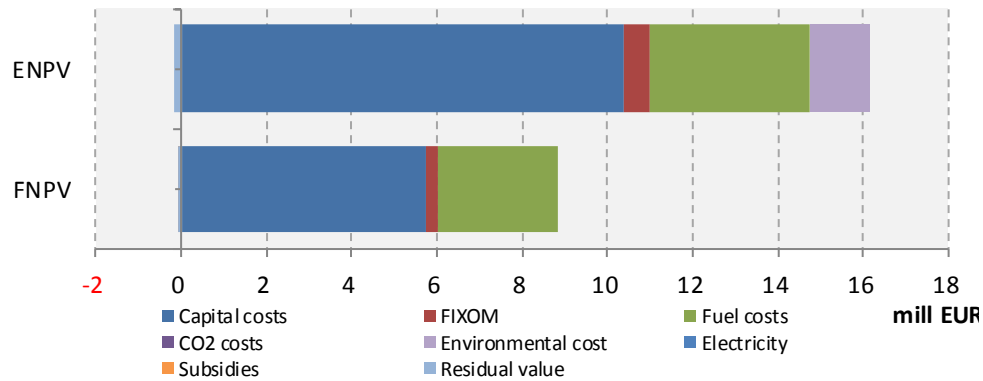
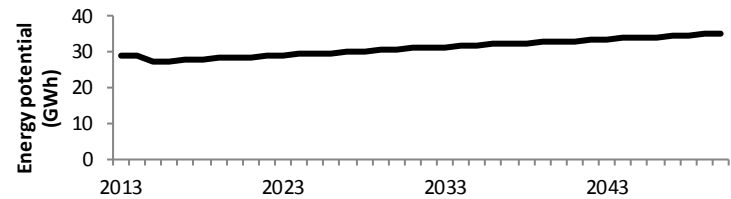
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Service - Catering

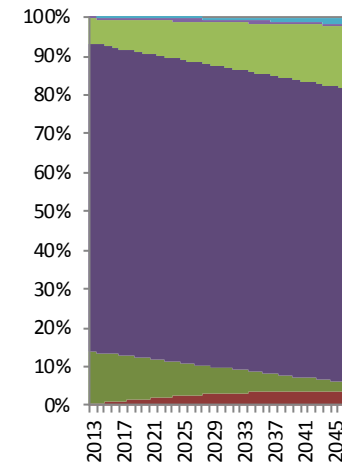


Technical potential of Split unit - Heat pumps fueled by Electricity

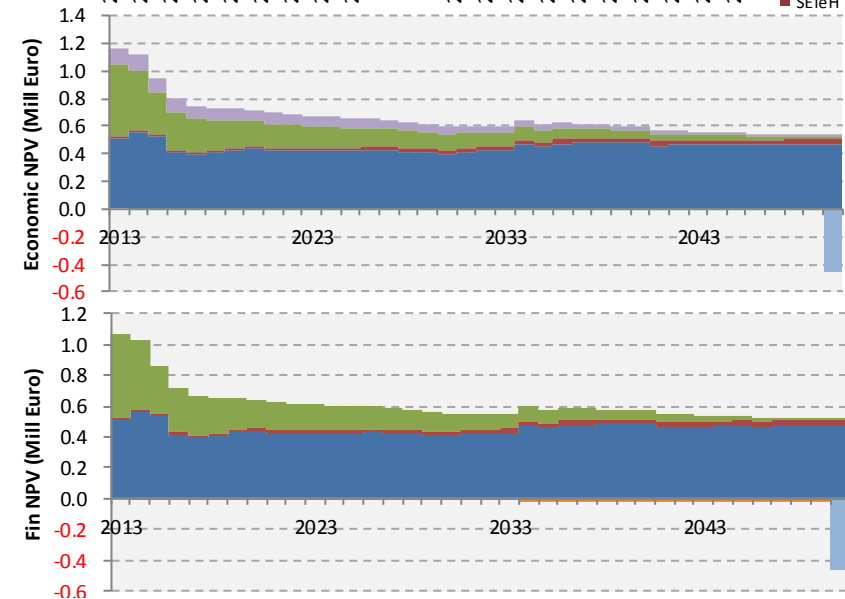
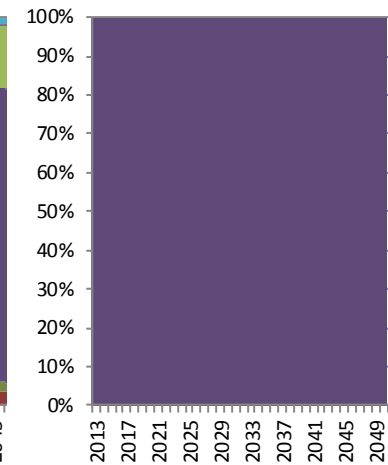


FNPV: 8.8 M€ ENPV: 16.0 M€

BASELINE



ALTERNATIVE



Sector: Service

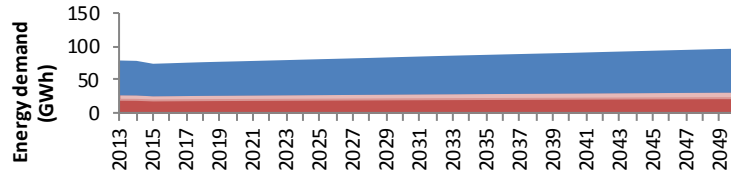
Other

Alternative Scenario: Electricity

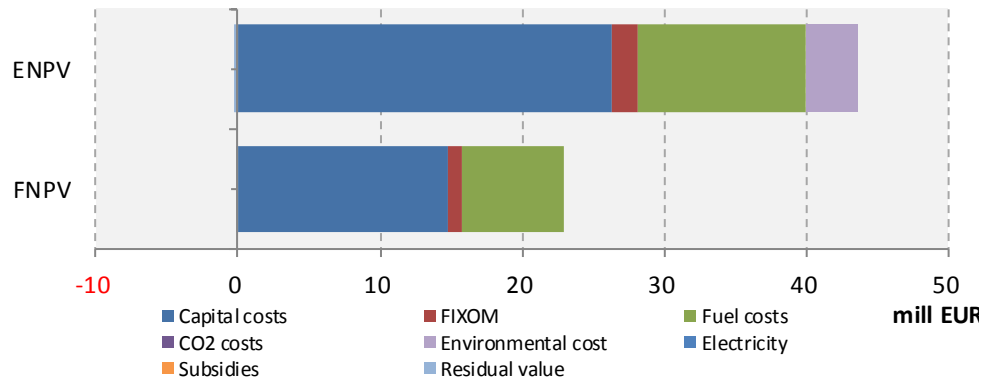
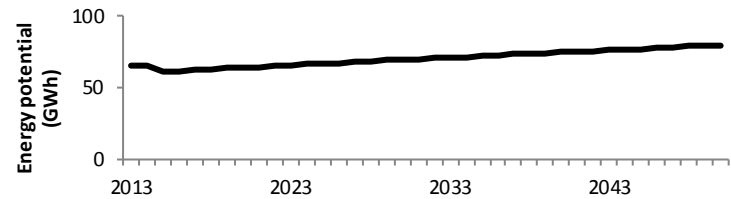
Split unit - Heat pumps

System Boundary: Nicosia

Energy demand of Service - Other

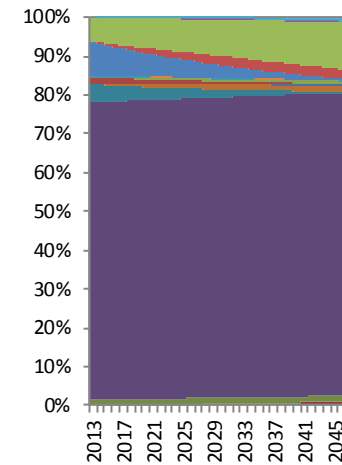


Technical potential of Split unit - Heat pumps fueled by Electricity

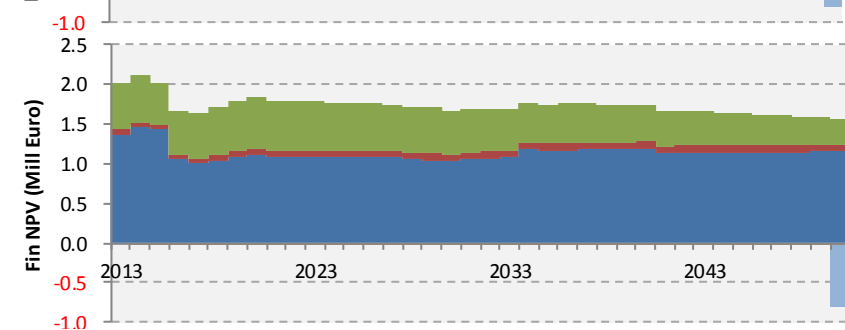
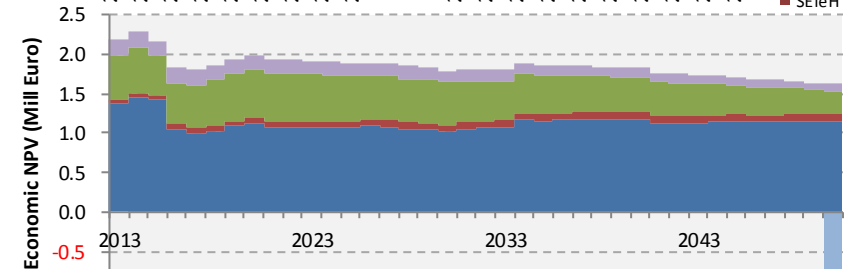
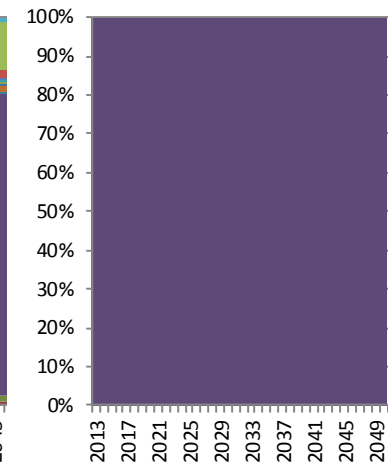


FNPV: 22.8 M€ ENPV: 43.2 M€

BASELINE



ALTERNATIVE



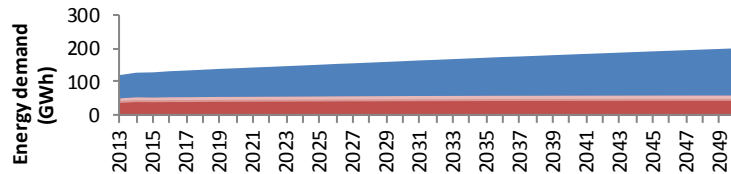
Sector: Residential Apartments

Alternative Scenario: Electricity

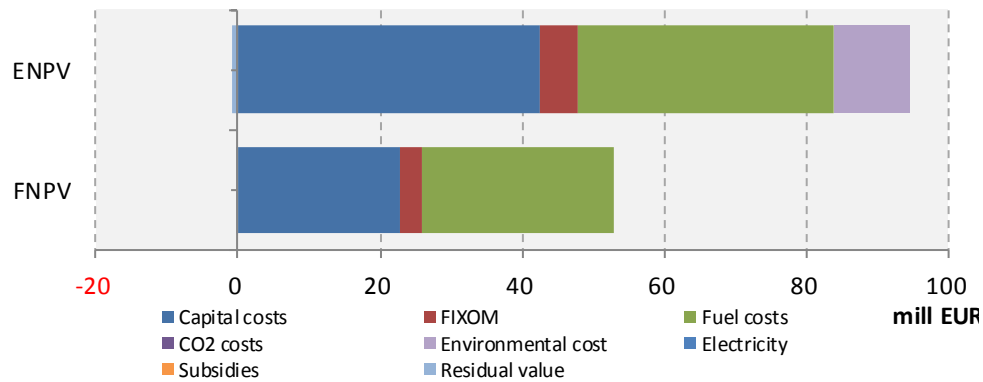
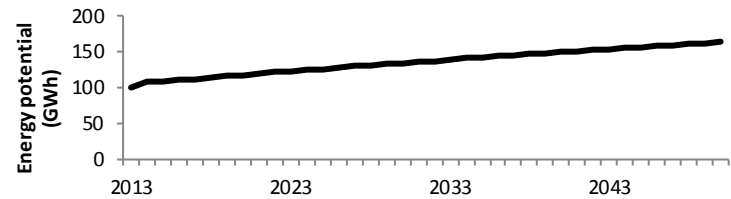
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Residential - Apartments

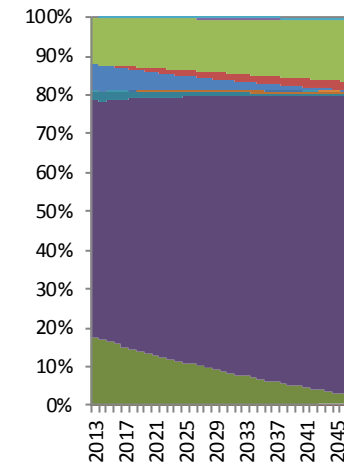


Technical potential of Split unit - Heat pumps fueled by Electricity

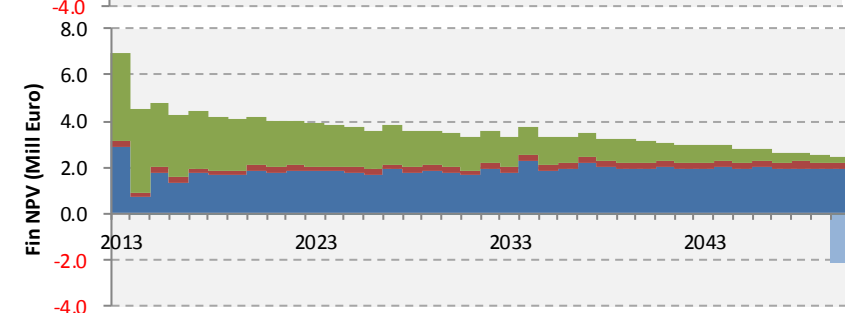
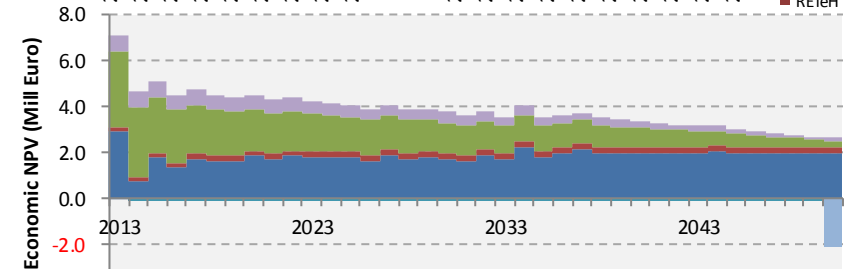
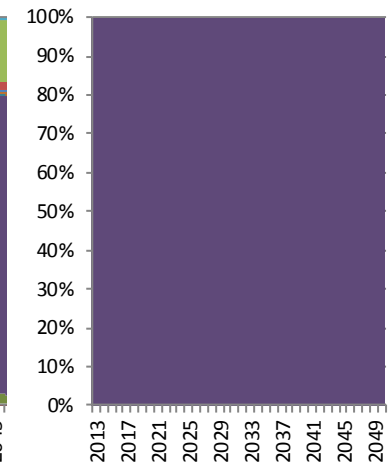


FNPV: 52.9 M€ **ENPV:** 93.7 M€

BASELINE



ALTERNATIVE



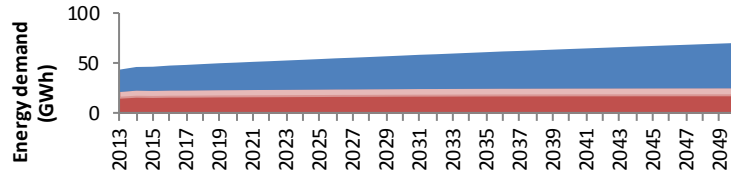
Sector: Residential **Single**

Alternative Scenario: Solar

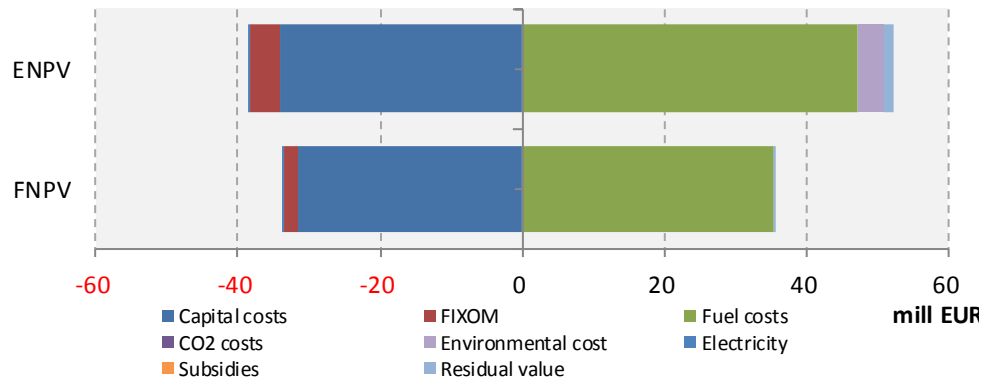
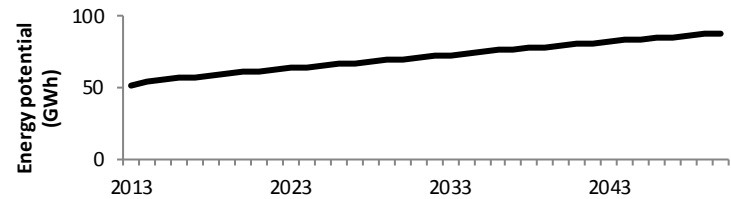
System Boundary: Paphos

Solar panels

Energy demand of Residential - Single



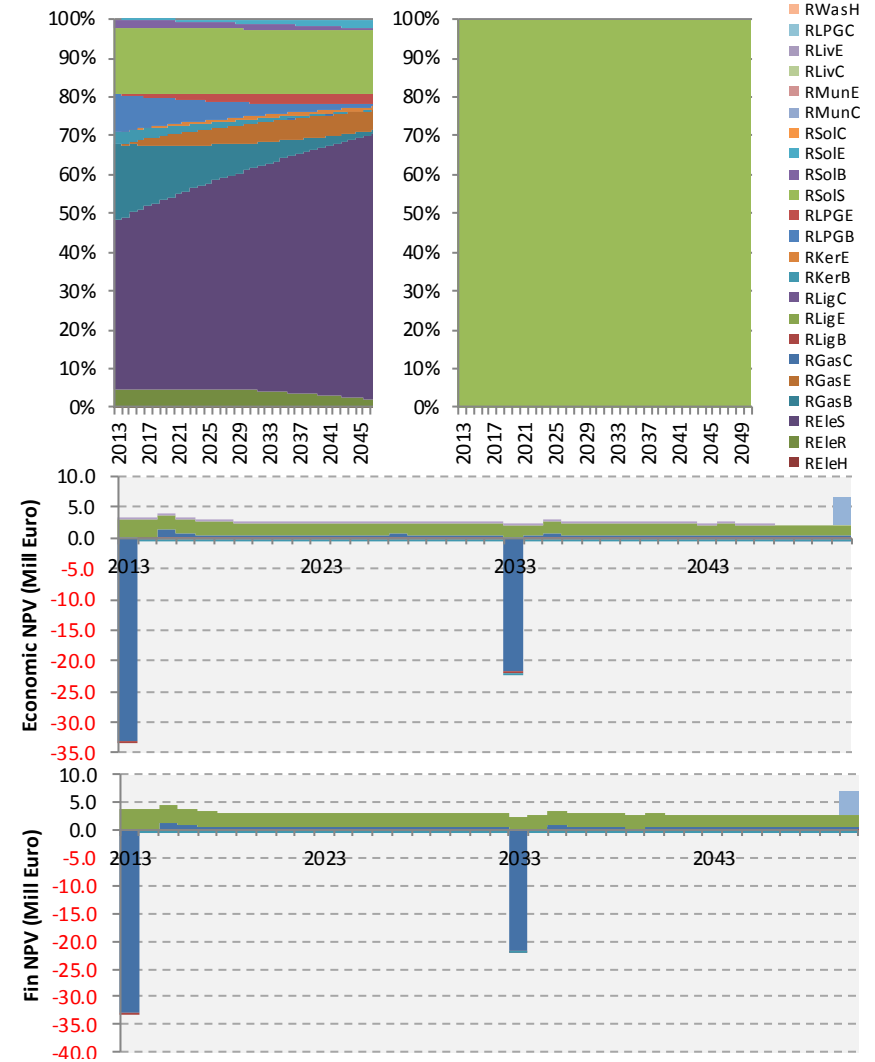
Technical potential of Solar panels fueled by Solar



FNPV: 2.2 M€ **ENPV:** 14.0 M€

BASELINE

ALTERNATIVE



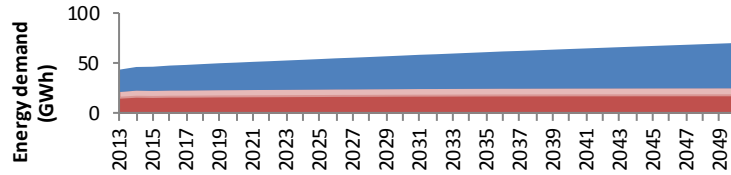
Sector: Residential **Single**

Alternative Scenario: Electricity

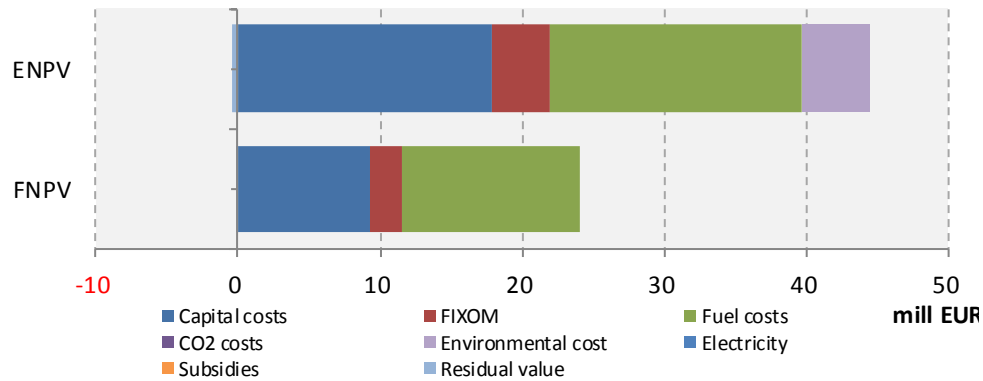
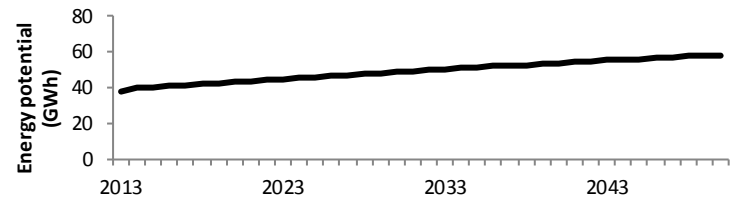
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Residential - Single

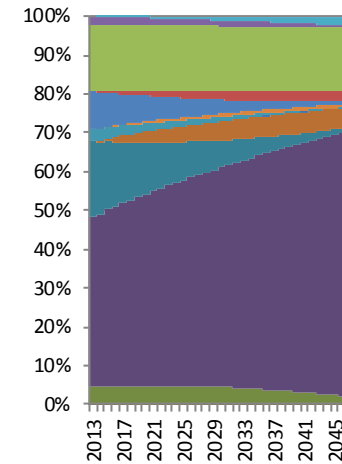


Technical potential of Split unit - Heat pumps fueled by Electricity

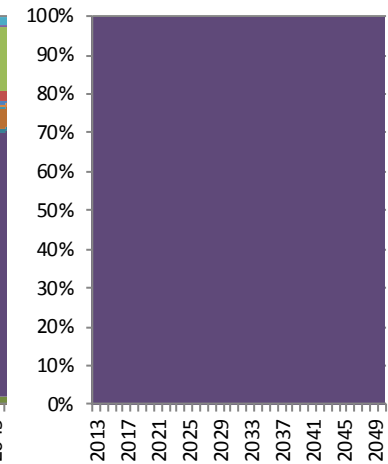


FNPV: 23.9 M€ **ENPV:** 44.0 M€

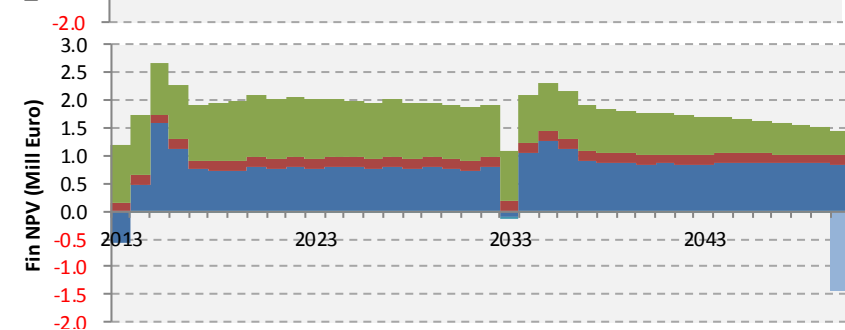
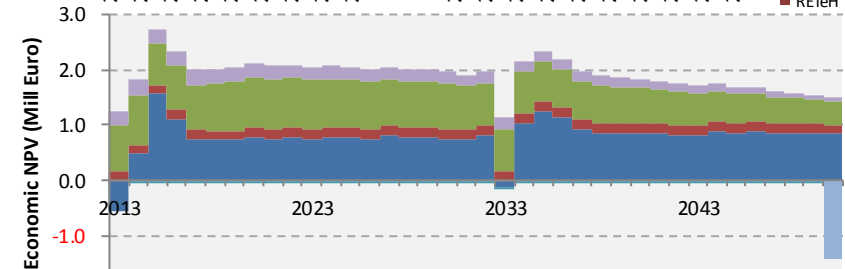
BASELINE



ALTERNATIVE



RWasH
RLPGC
RLivE
RLivC
RMunE
RMunC
RSolC
RSolE
RSolB
RSolS
RLPGE
RLPGB
RKerE
RKerB
RLigC
RLigE
RLigB
RGasC
RGasE
RGasB
REleS
REleR
REleH



Sector: Residential

Row

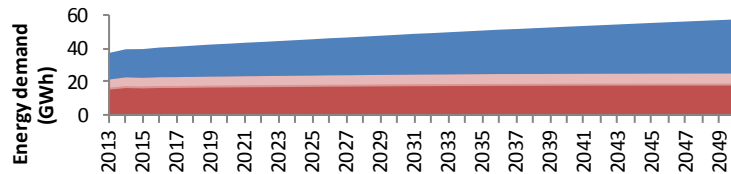
Alternative Scenario: Solar

System Boundary:

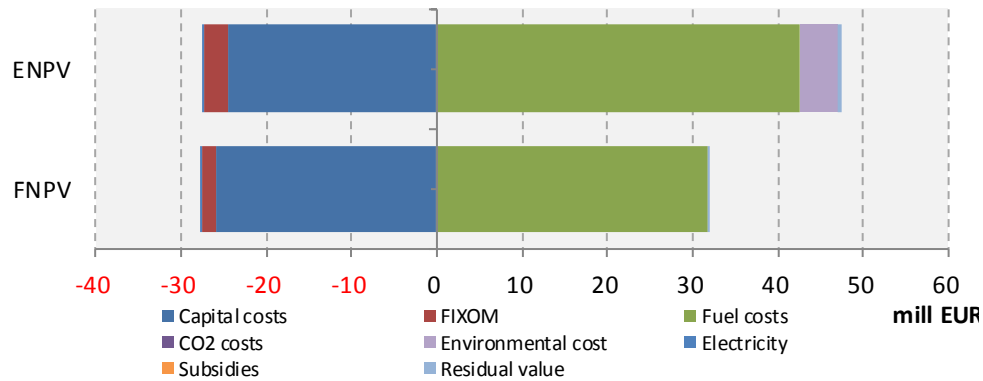
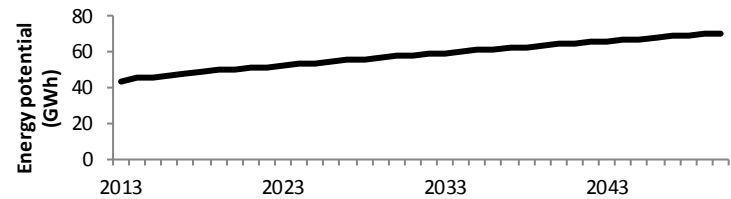
Paphos

Solar panels

Energy demand of Residential - Row



Technical potential of Solar panels fueled by Solar

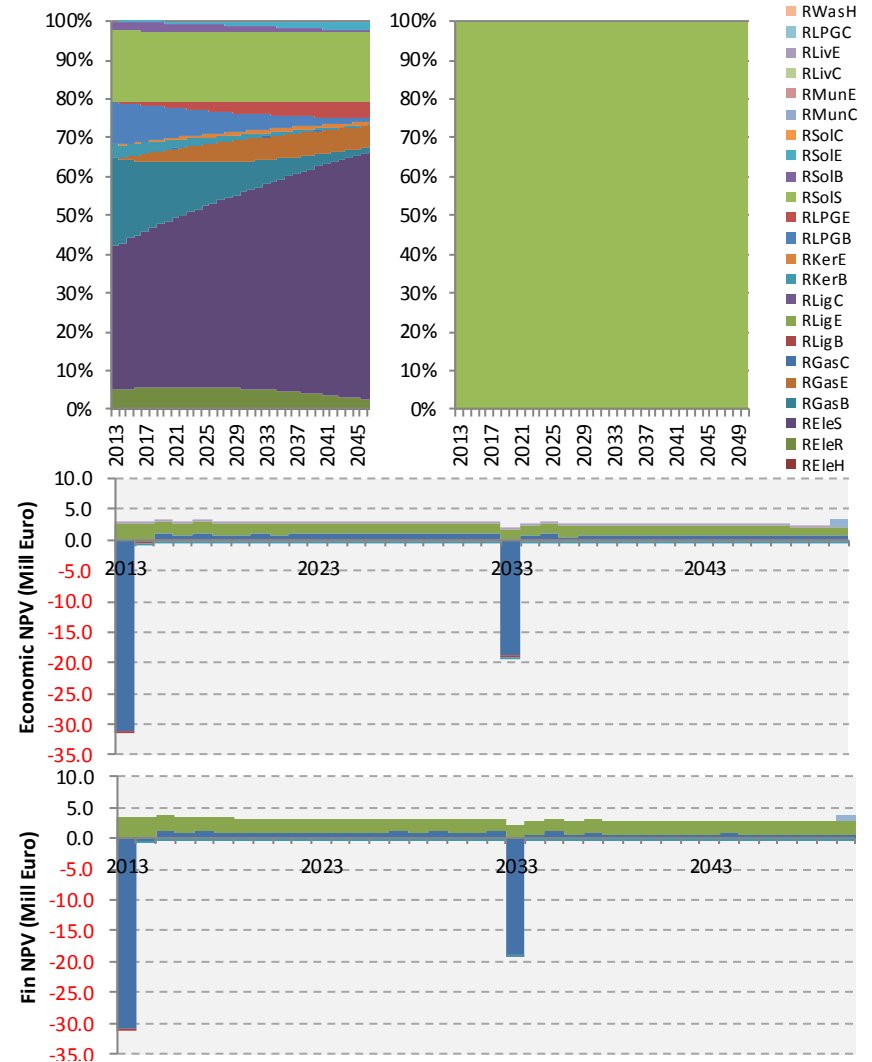


FNPV: 4.3 M€

ENPV: 20.0 M€

BASELINE

ALTERNATIVE



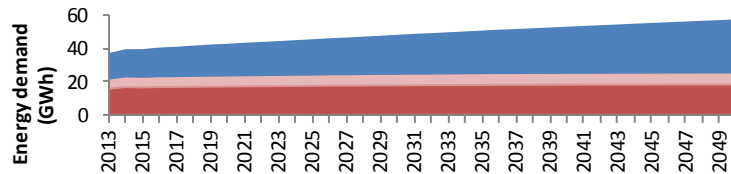
Sector: Residential Row

Alternative Scenario: Electricity

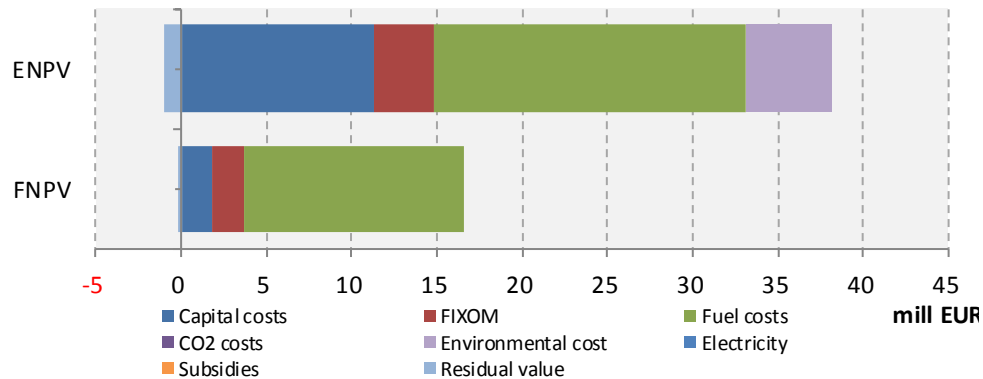
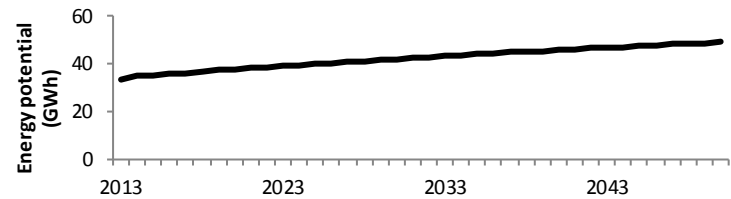
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Residential - Row

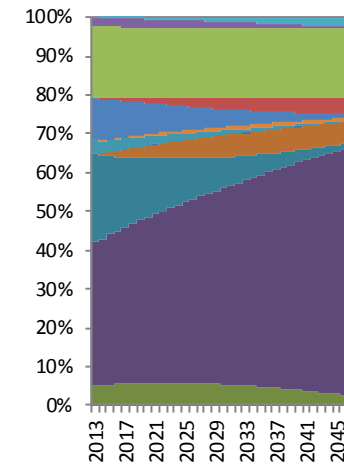


Technical potential of Split unit - Heat pumps fueled by Electricity

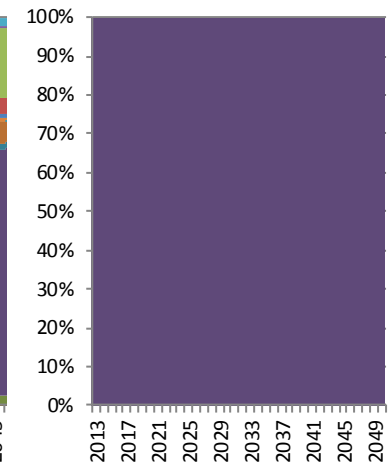


FNPV: 16.4 M€ ENPV: 37.1 M€

BASELINE

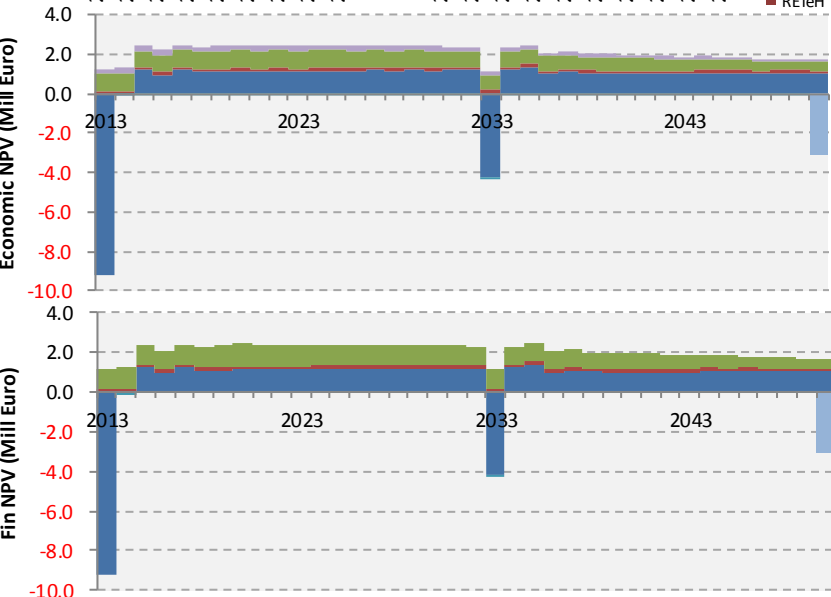


ALTERNATIVE



Economic NPV (Milli Euro)

Fin NPV (Milli Euro)



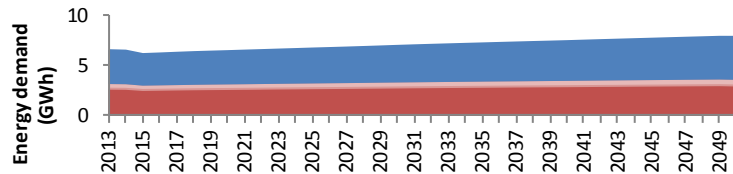
Sector: Service Schools

Alternative Scenario: Electricity

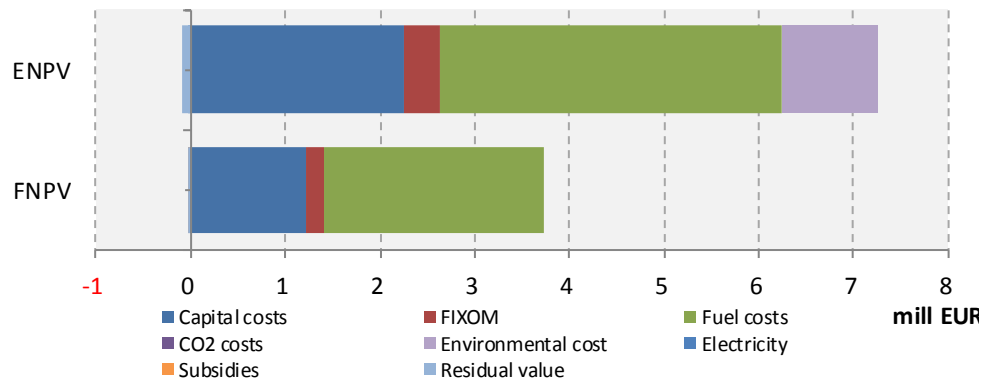
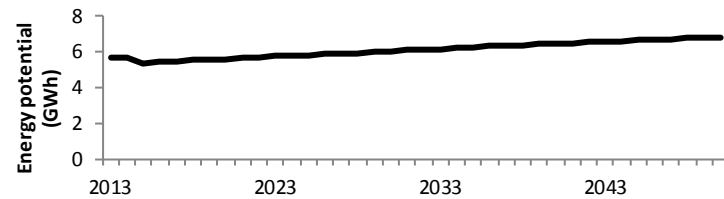
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Schools

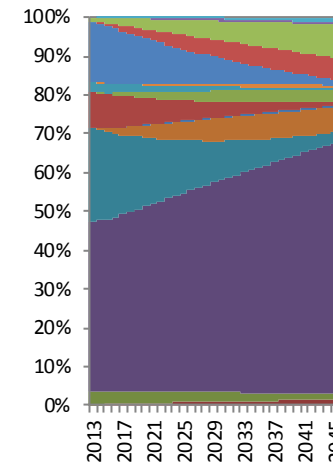


Technical potential of Split unit - Heat pumps fueled by Electricity

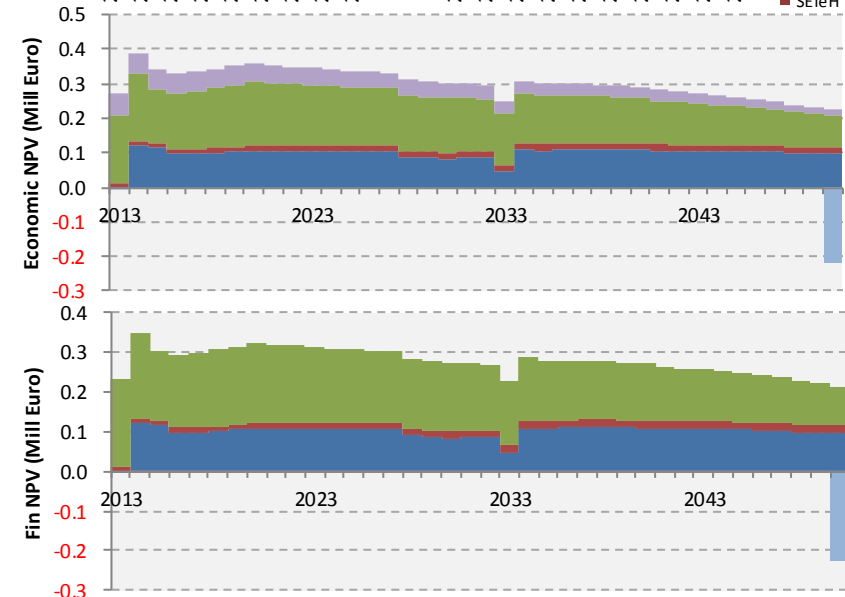
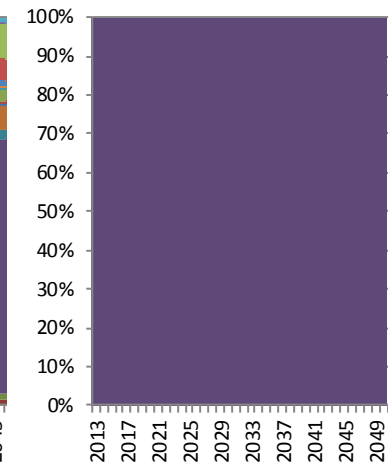


FNPV: 3.7 M€ ENPV: 7.2 M€

BASELINE



ALTERNATIVE



Sector: Service

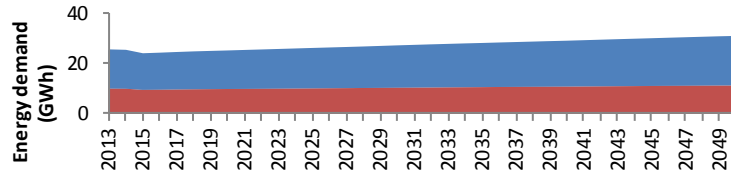
Offices

Alternative Scenario: Electricity

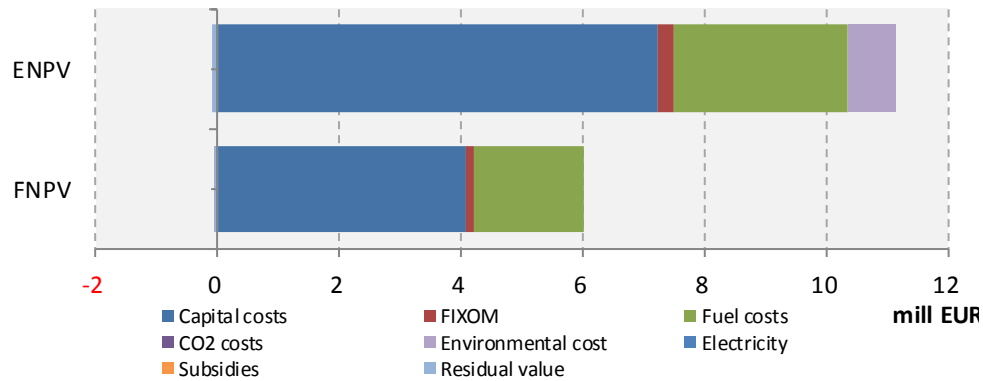
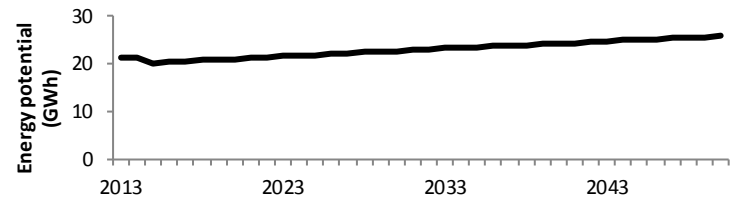
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Offices

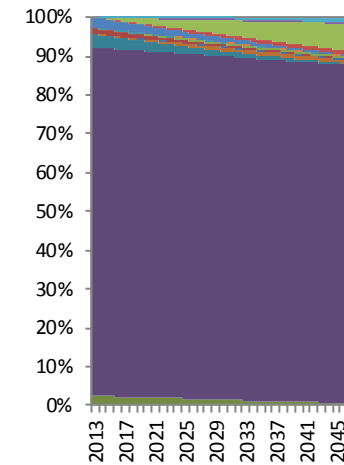


Technical potential of Split unit - Heat pumps fueled by Electricity

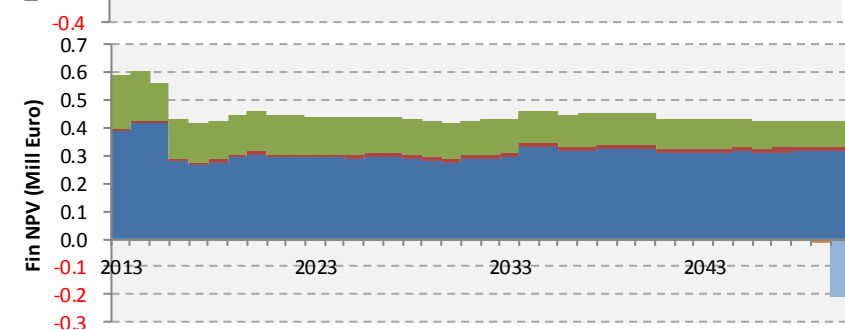
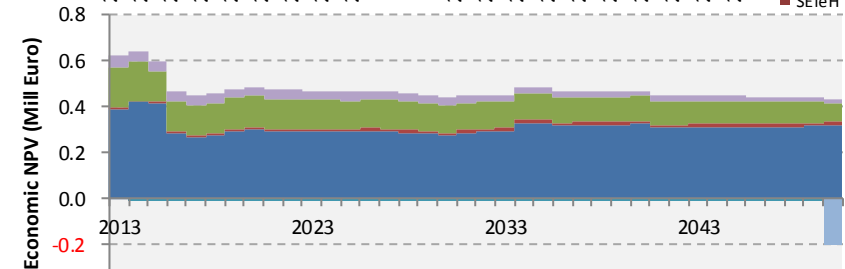
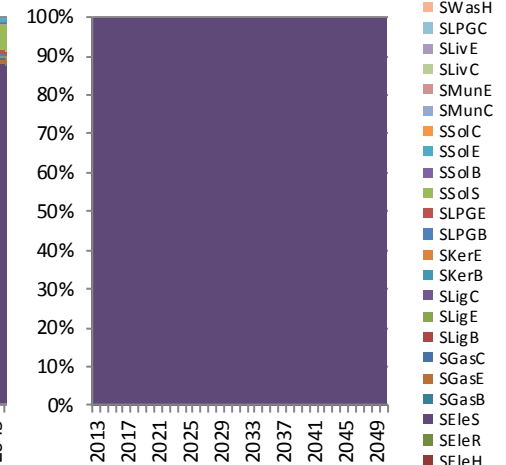


FNPV: 6.0 M€ ENPV: 11.0 M€

BASELINE



ALTERNATIVE



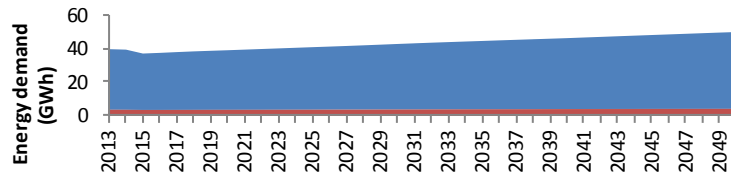
Sector: Service Shopping

Alternative Scenario: Electricity

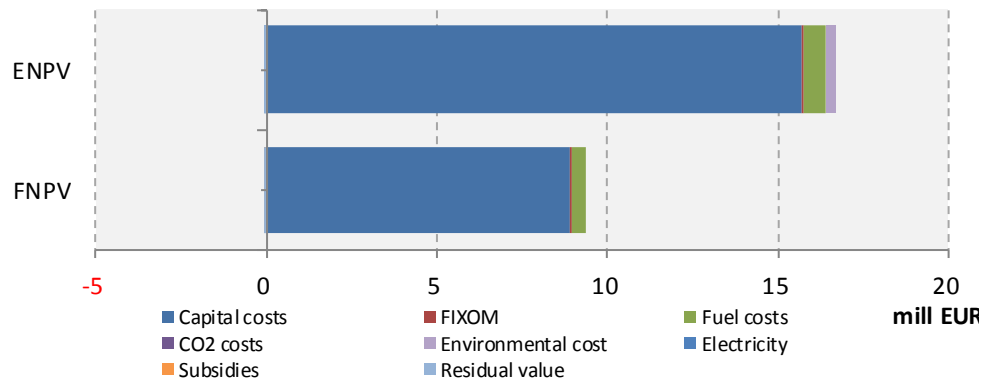
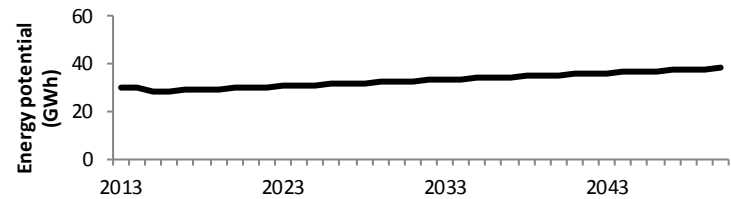
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Shopping

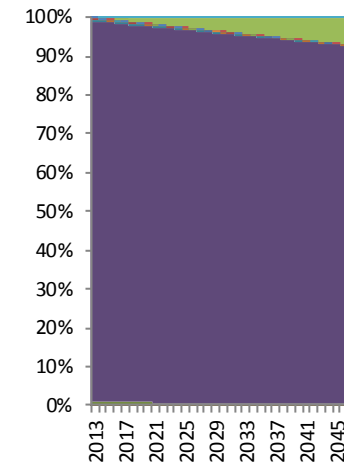


Technical potential of Split unit - Heat pumps fueled by Electricity

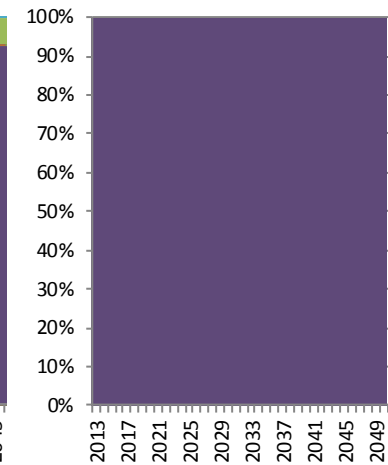


FNPV: 9.4 M€ ENPV: 16.6 M€

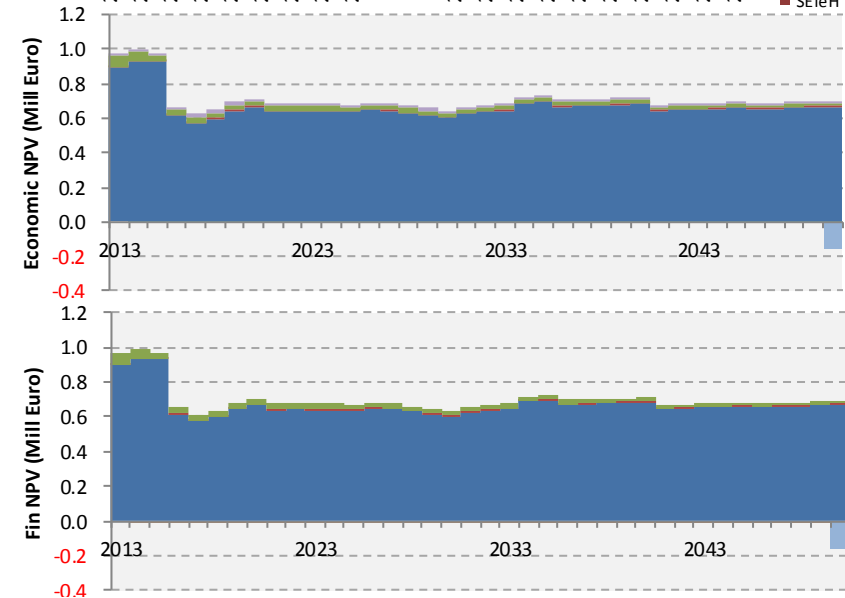
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
SLigE
SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



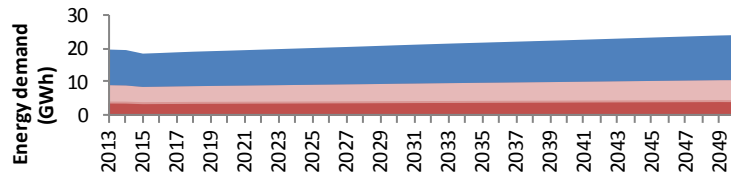
Sector: Service Healthcare

Alternative Scenario: Electricity

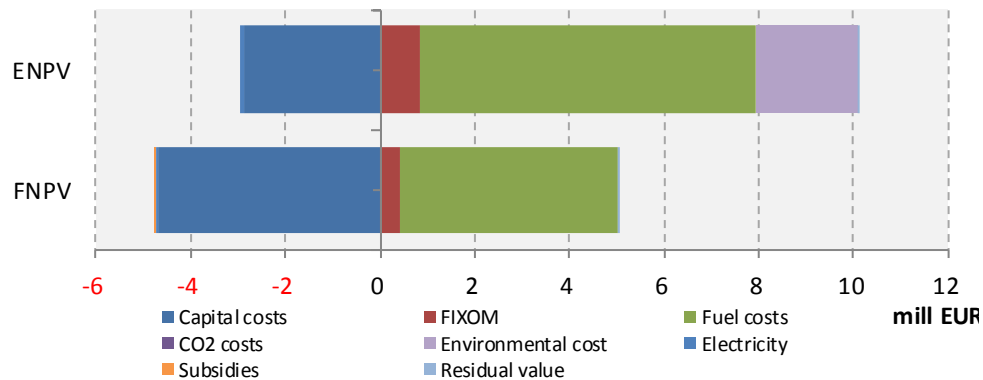
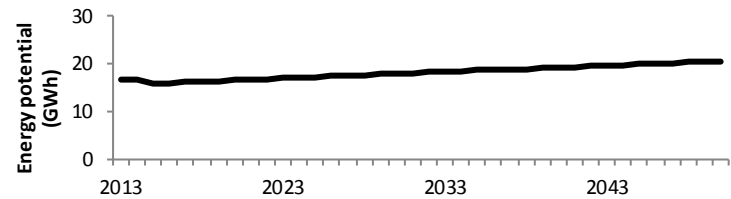
Heat pumps

System Boundary: Paphos

Energy demand of Service - Healthcare

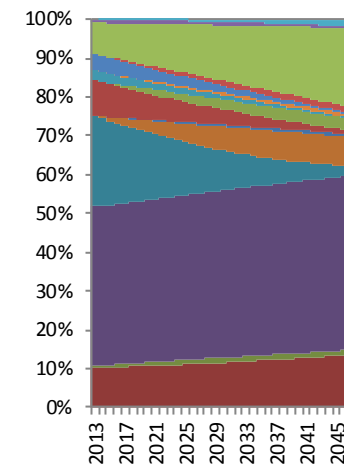


Technical potential of Heat pumps fueled by Electricity

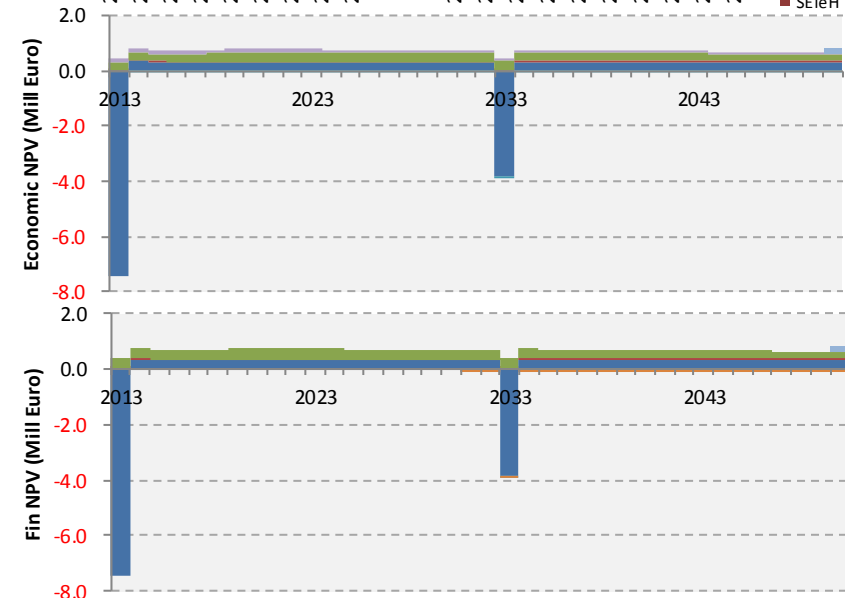
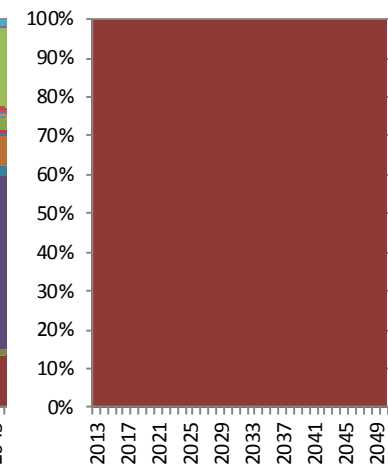


FNPV: 0.3 M€ ENPV: 7.2 M€

BASELINE



ALTERNATIVE



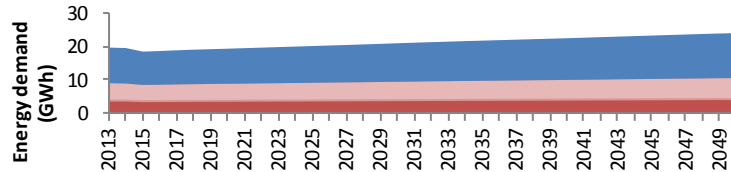
Sector: Service

Healthcare

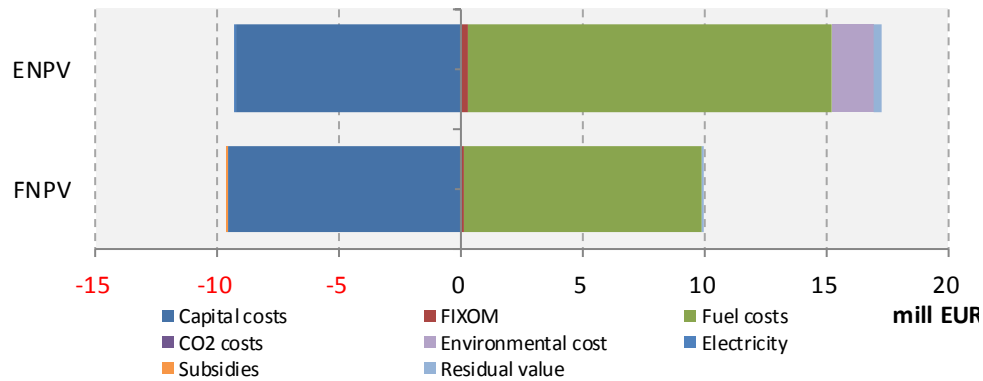
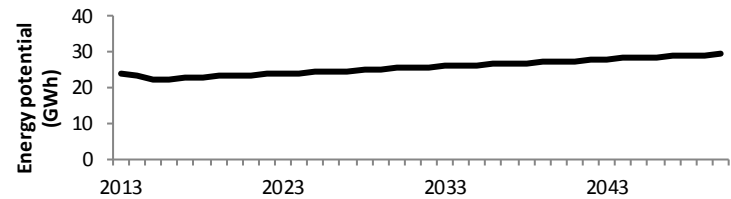
Alternative Scenario: Solar

System Boundary: Paphos

Energy demand of Service - Healthcare



Technical potential of Solar panels fueled by Solar

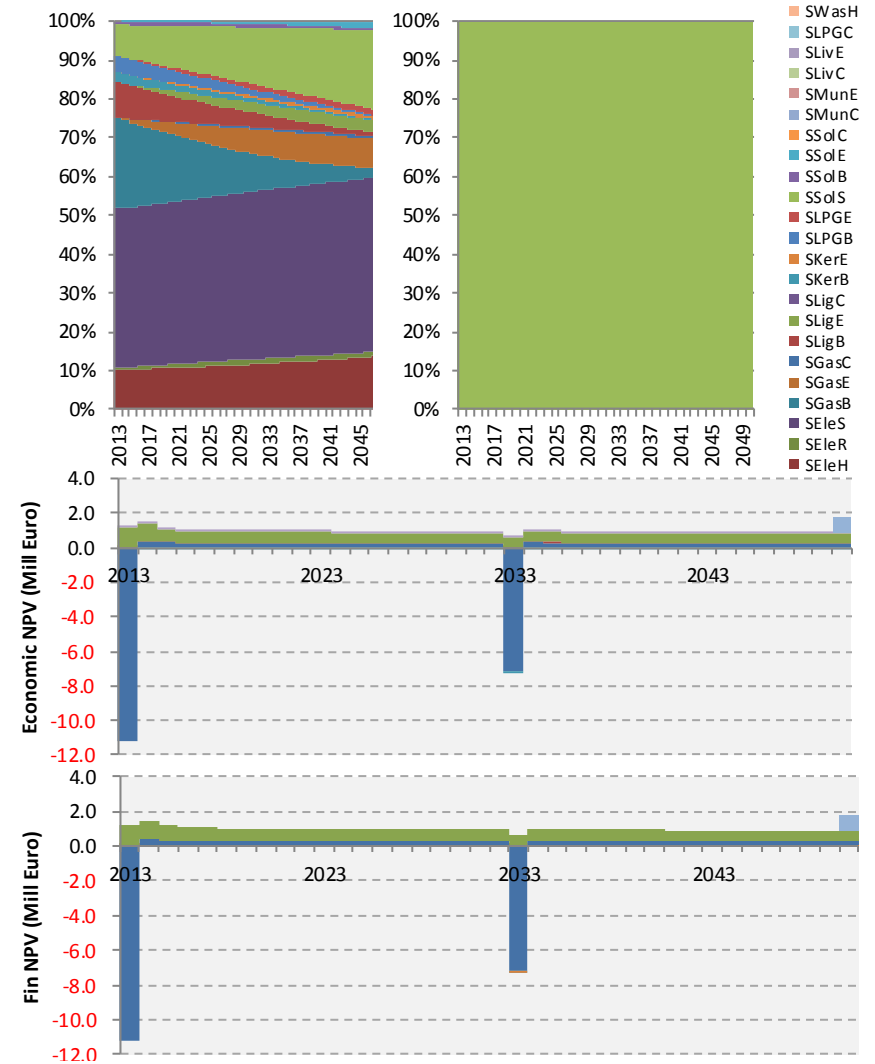


FNPV: 0.3 M€ ENPV: 7.9 M€

Solar panels

BASELINE

ALTERNATIVE



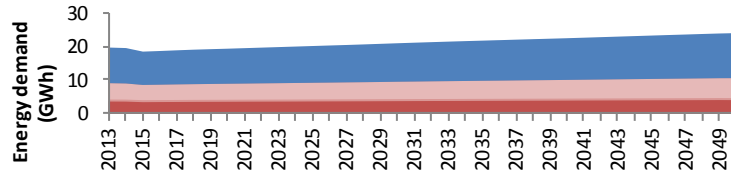
Sector: Service Healthcare

Alternative Scenario: Electricity

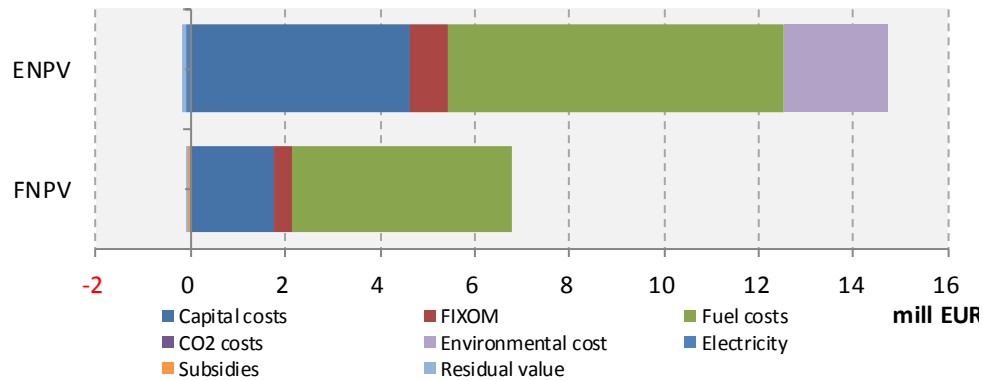
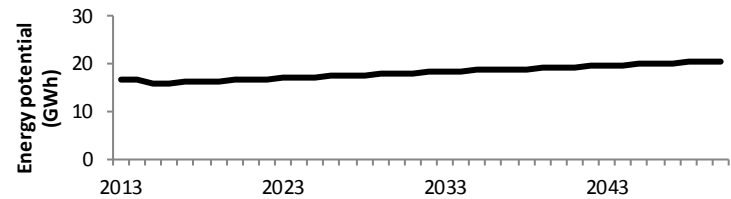
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Healthcare

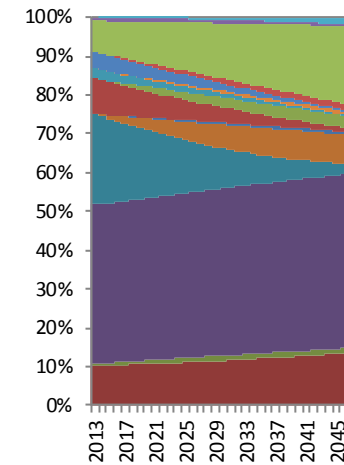


Technical potential of Split unit - Heat pumps fueled by Electricity

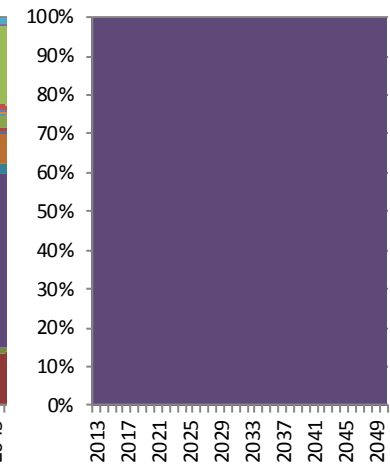


FNPV: 6.7 M€ ENPV: 14.5 M€

BASELINE



ALTERNATIVE



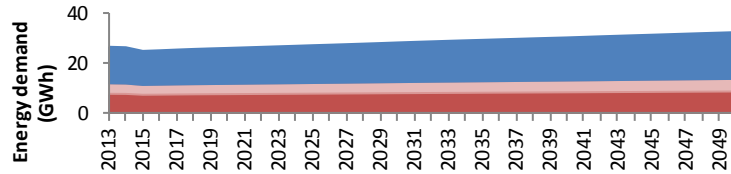
Sector: Service Catering

Alternative Scenario: Electricity

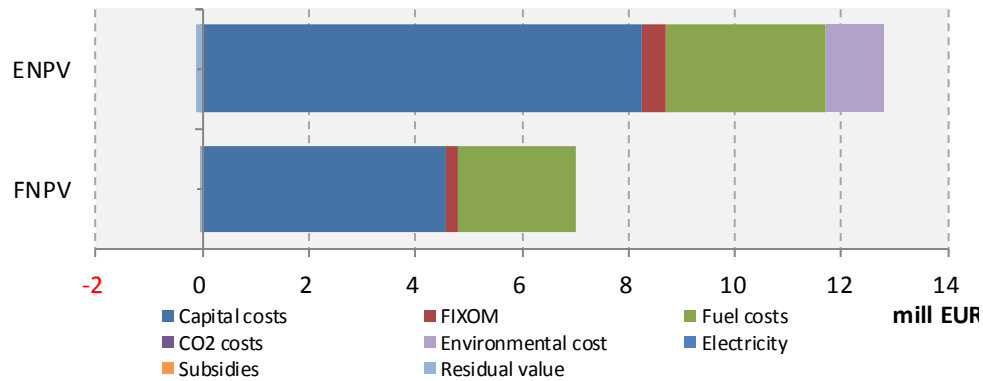
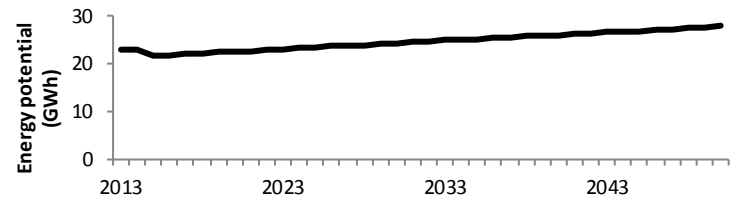
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Catering

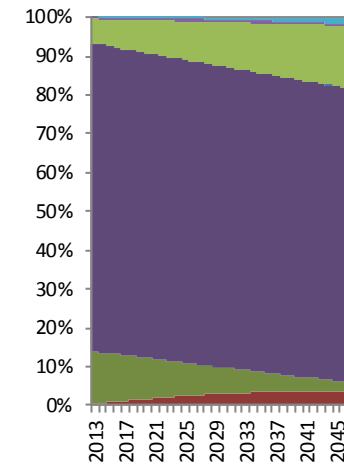


Technical potential of Split unit - Heat pumps fueled by Electricity

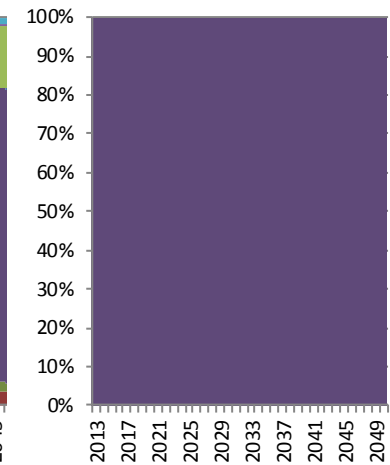


FNPV: 7.0 M€ ENPV: 12.7 M€

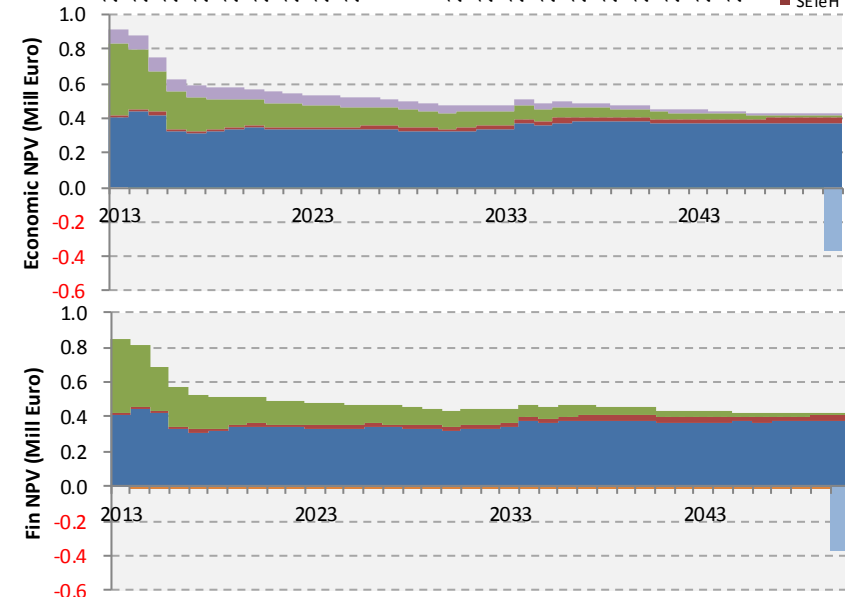
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
SLigE
SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



Sector: Service

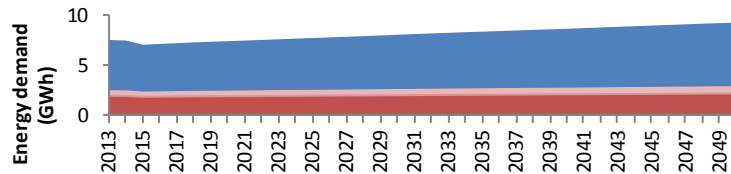
Other

Alternative Scenario: Electricity

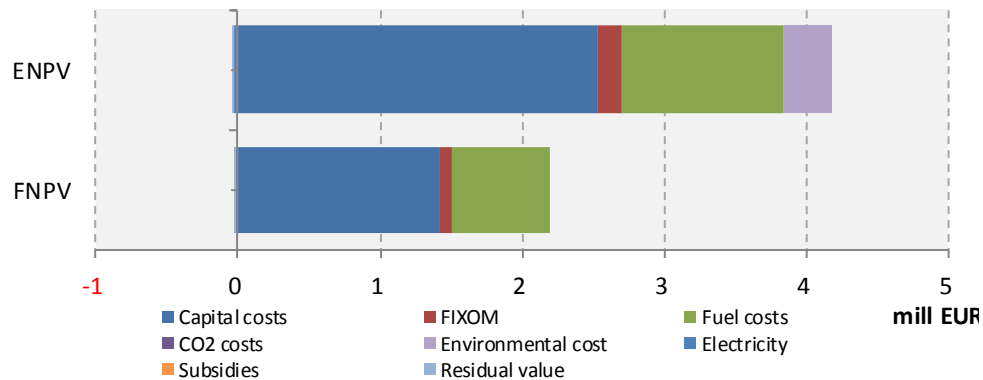
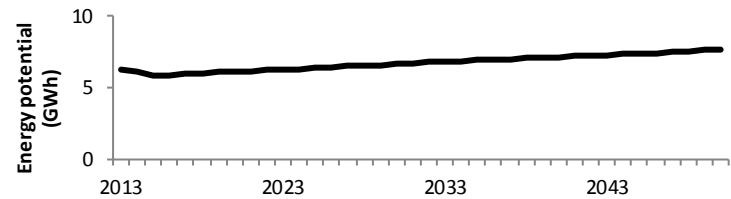
Split unit - Heat pumps

System Boundary: Paphos

Energy demand of Service - Other



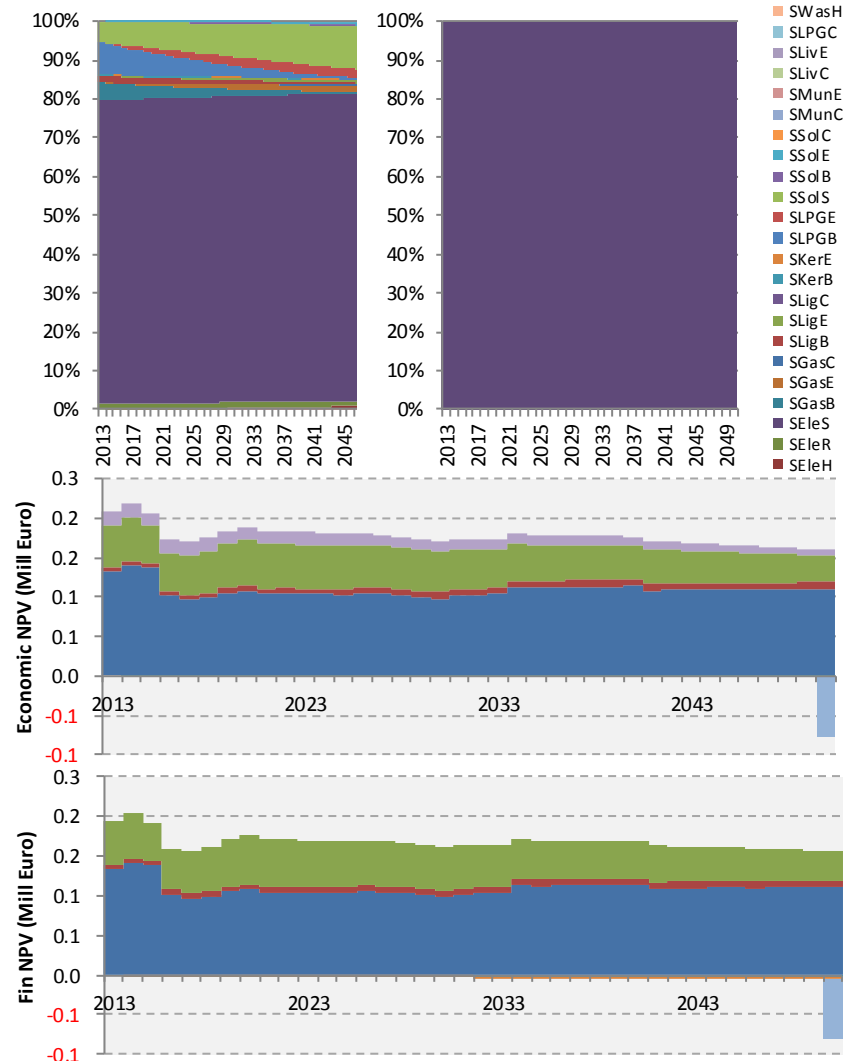
Technical potential of Split unit - Heat pumps fueled by Electricity



FNPV: 2.2 M€ ENPV: 4.1 M€

BASELINE

ALTERNATIVE



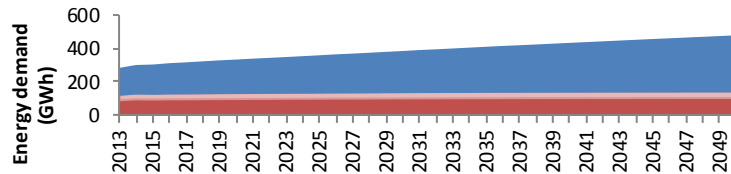
Sector: Residential Apartments

Alternative Scenario: Electricity

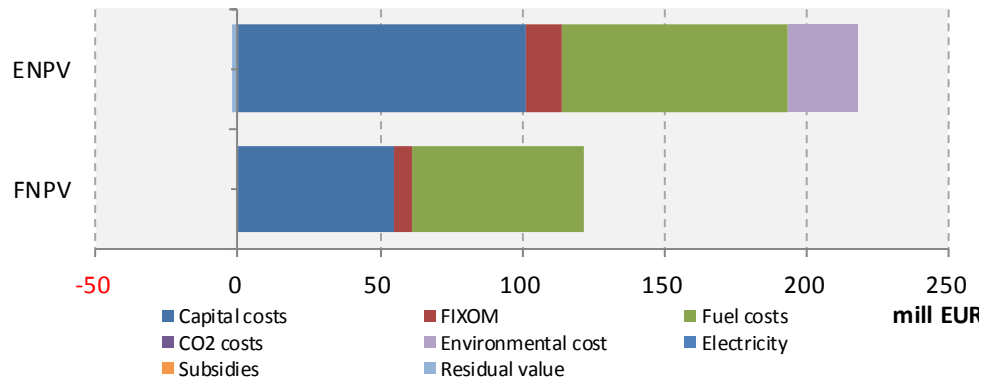
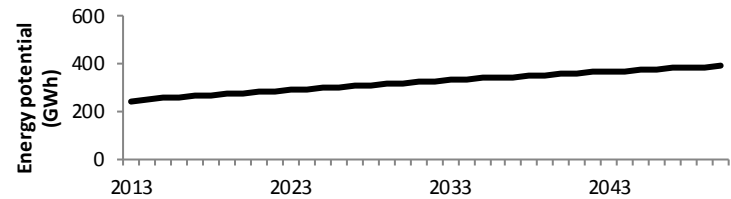
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Residential - Apartments

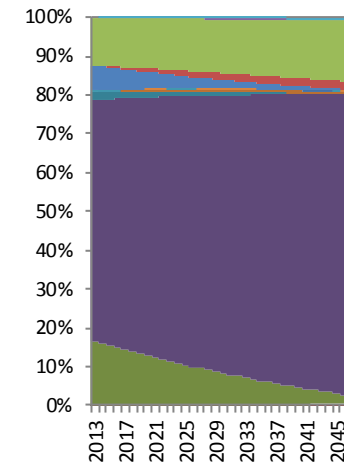


Technical potential of Split unit - Heat pumps fueled by Electricity

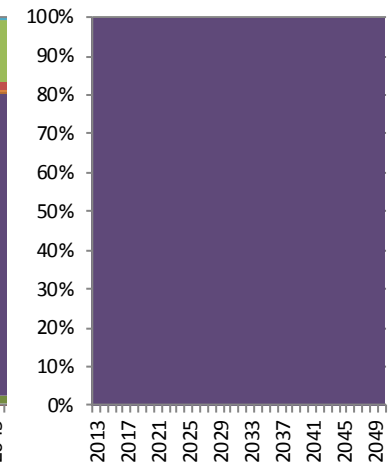


FNPV: 121.5 M€ **ENPV:** 215.9 M€

BASELINE

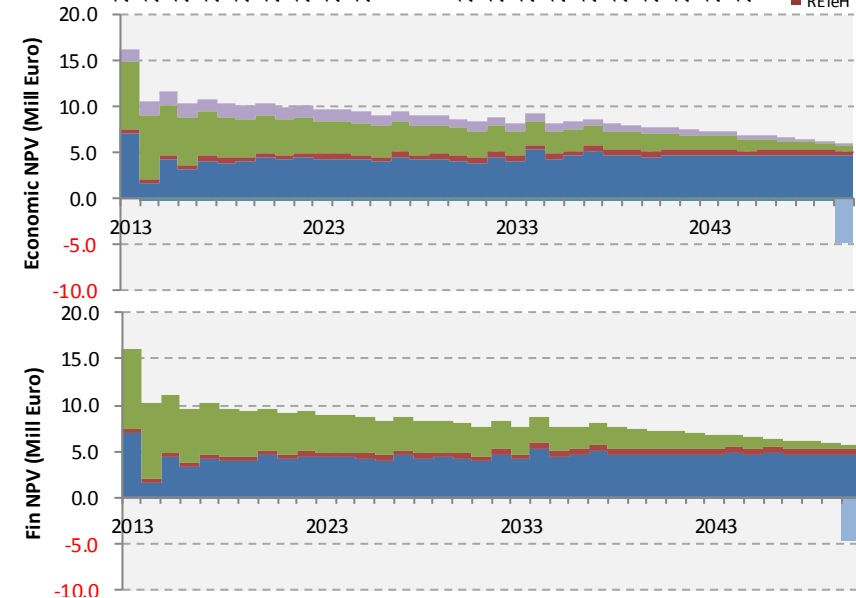


ALTERNATIVE



Legend for energy sources:

- RWasH
- RLPGC
- RLivE
- RLivC
- RMunE
- RMunC
- RSolC
- RSolE
- RSolB
- RSolS
- RLPGE
- RLPGB
- RKerE
- RKerB
- RLigC
- RLigE
- RLigB
- RGasC
- RGasE
- RGasB
- REleS
- REleR
- REleH

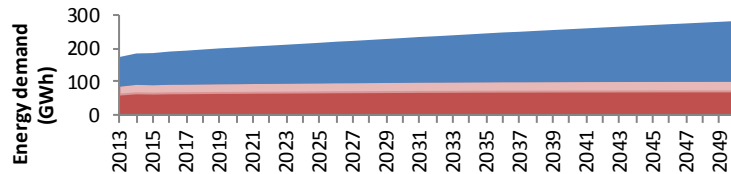


Sector: Residential **Single**

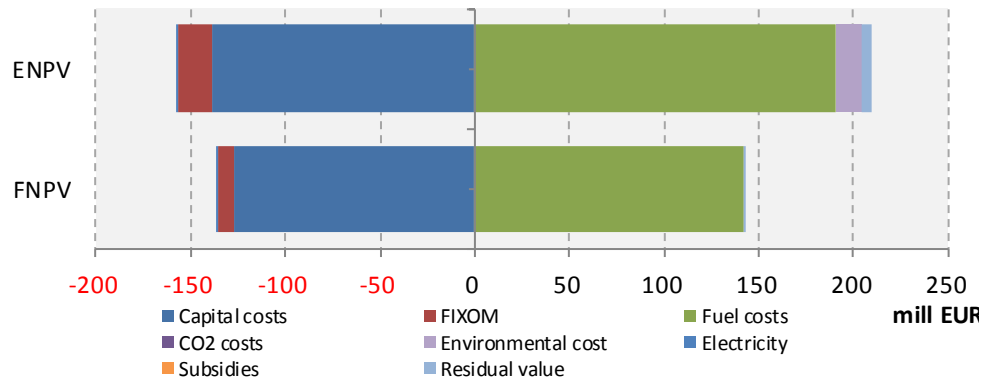
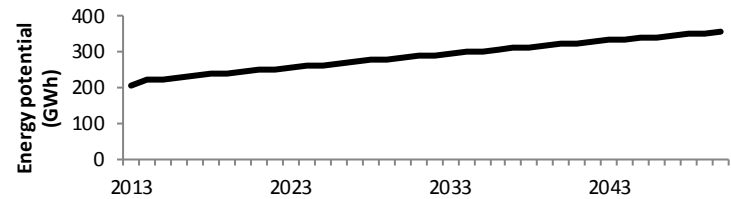
Alternative Scenario: Solar

System Boundary: Limassol

Energy demand of Residential - Single



Technical potential of Solar panels fueled by Solar

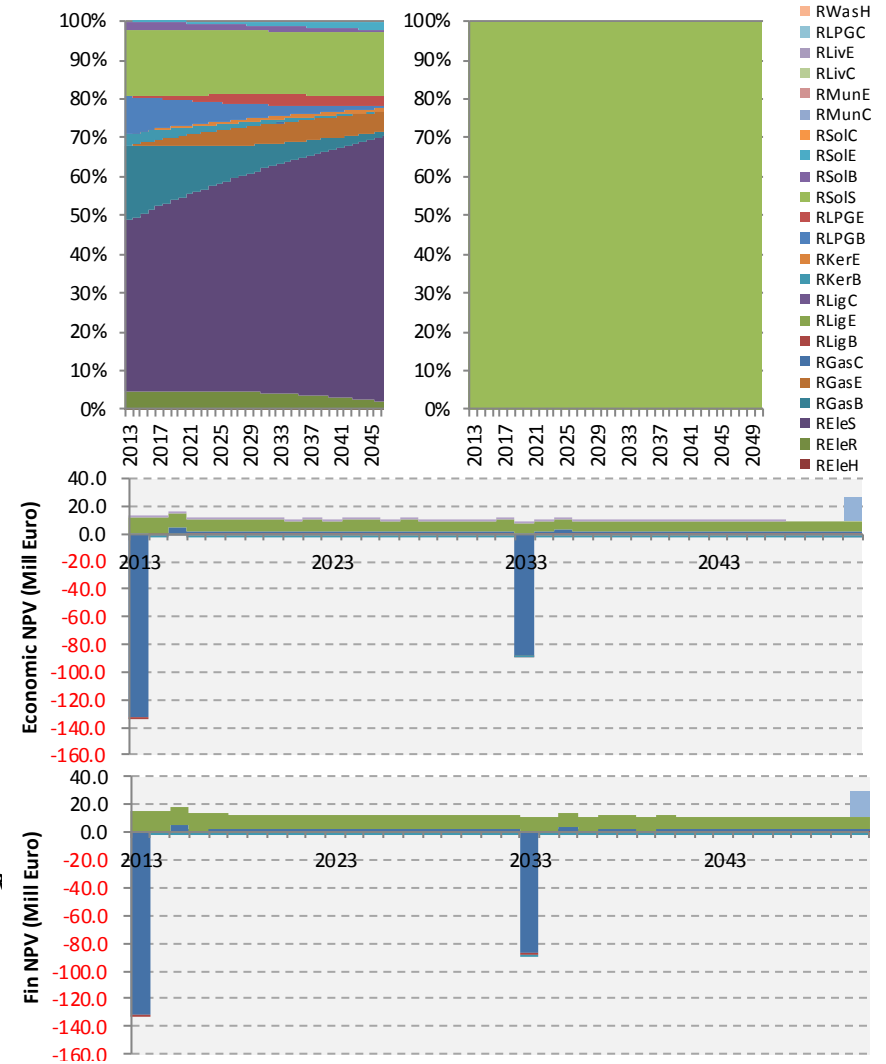


FNPV: 7.6 M€ **ENPV:** 53.6 M€

Solar panels

BASELINE

ALTERNATIVE



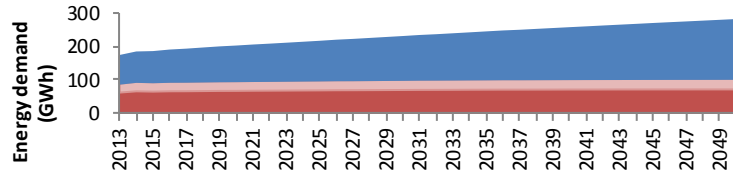
Sector: Residential **Single**

Alternative Scenario: Electricity

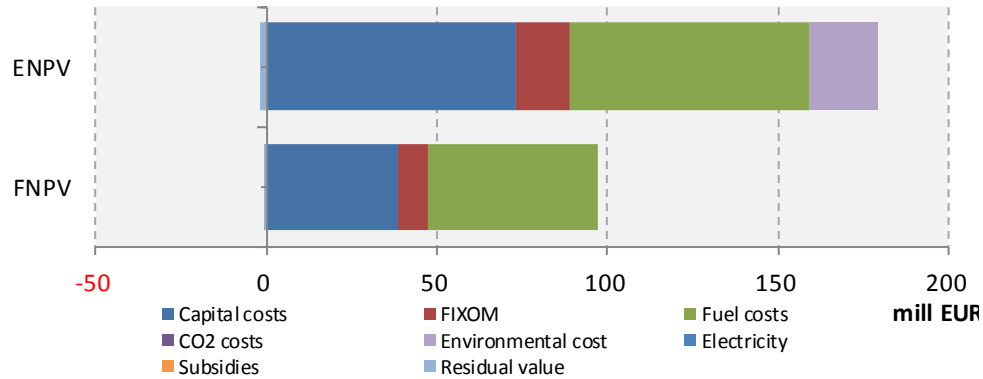
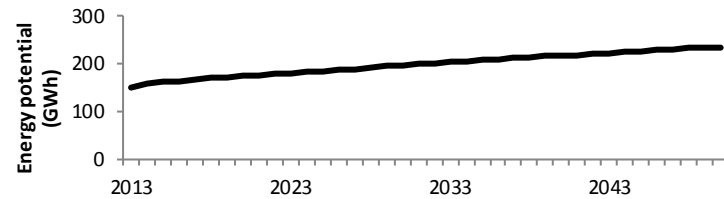
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Residential - Single

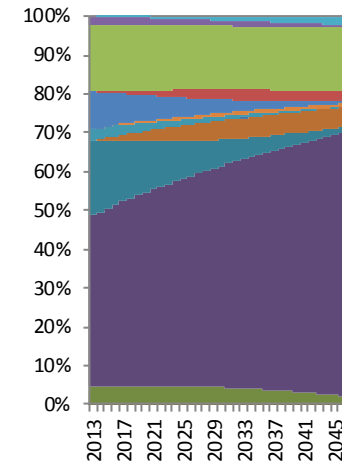


Technical potential of Split unit - Heat pumps fueled by Electricity

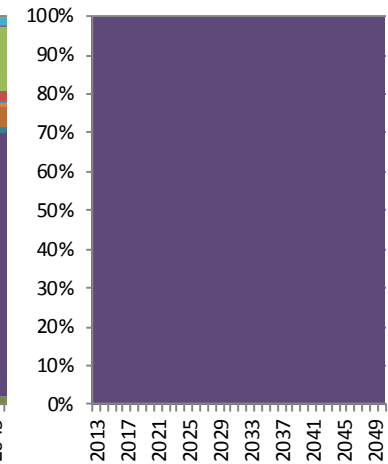


FNPV: 96.8 M€ **ENPV:** 177.3 M€

BASELINE

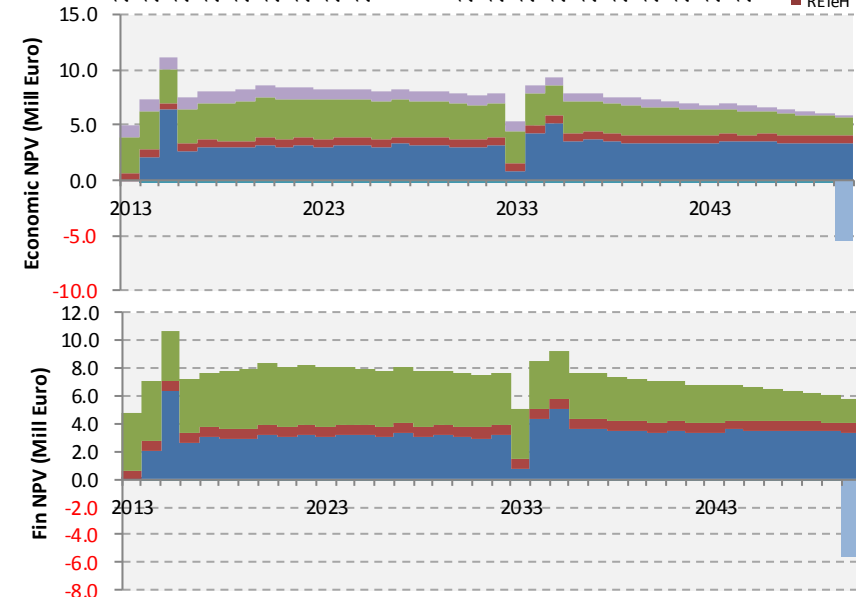


ALTERNATIVE



Legend for energy sources:

- RWasH
- RLPGC
- RLivE
- RLivC
- RMunE
- RMunC
- RSolC
- RSolE
- RSolB
- RSolS
- RLPGE
- RLPGB
- RKerE
- RKerB
- RLigC
- RLigE
- RLigB
- RGasC
- RGasE
- RGasB
- RGasB
- REleS
- REleR
- REleH



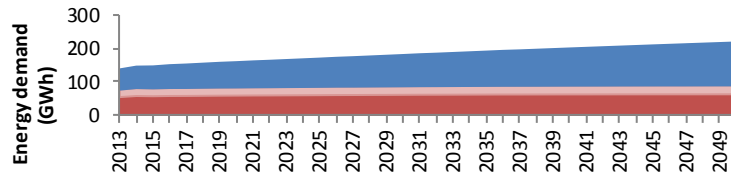
Sector: Residential Row

Alternative Scenario: Solar

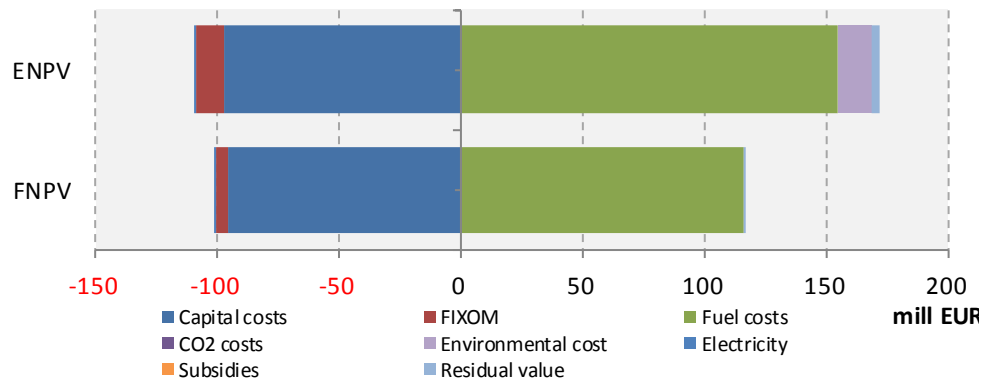
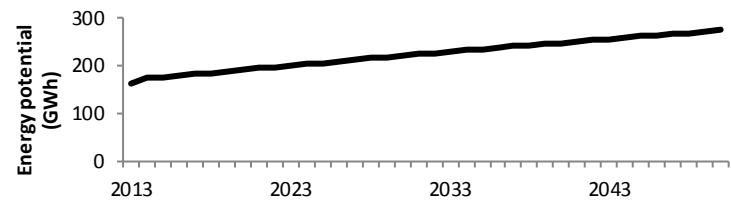
System Boundary: Limassol

Solar panels

Energy demand of Residential - Row



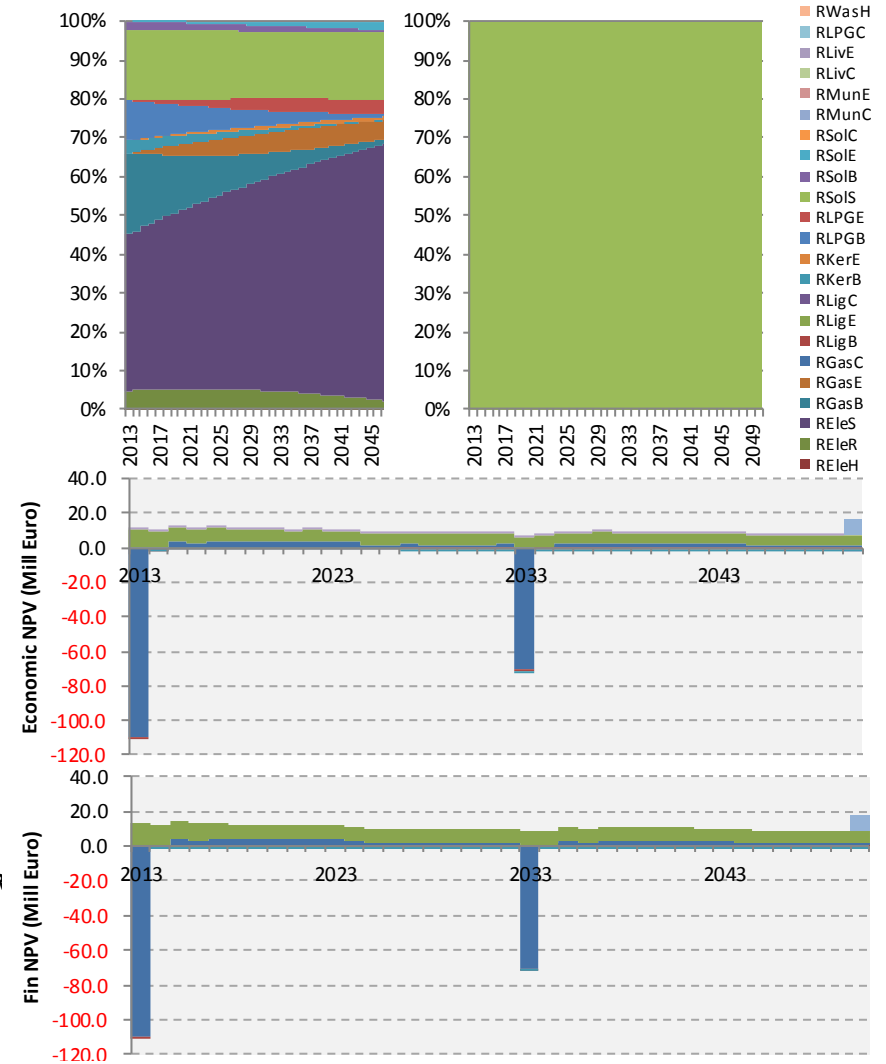
Technical potential of Solar panels fueled by Solar



FNPV: 15.2 M€ ENPV: 63.0 M€

BASELINE

ALTERNATIVE



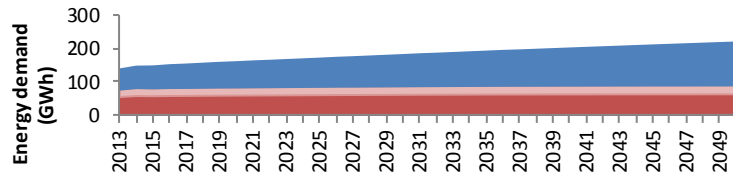
Sector: Residential Row

Alternative Scenario: Electricity

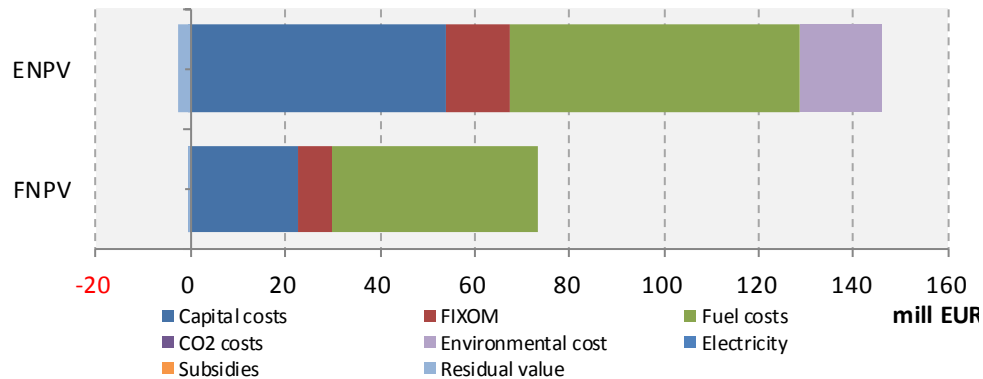
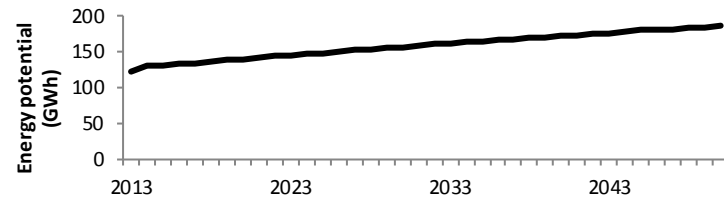
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Residential - Row

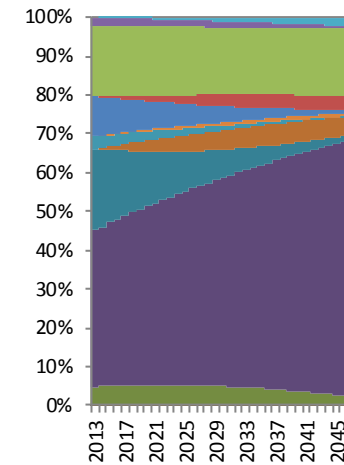


Technical potential of Split unit - Heat pumps fueled by Electricity

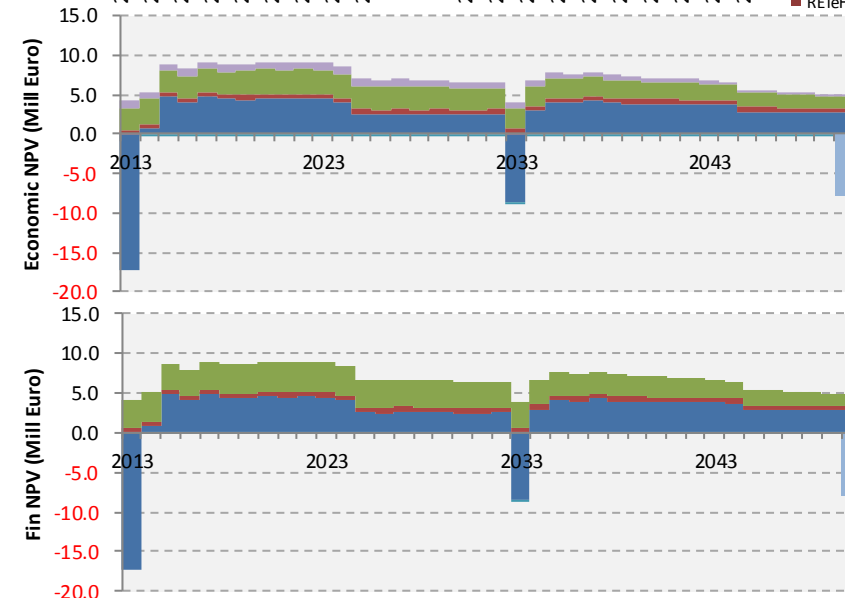
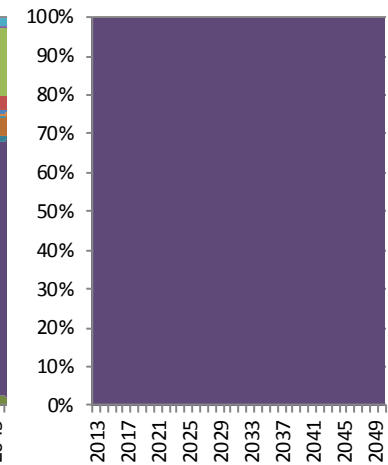


FNPV: 72.7 M€ ENPV: 143.3 M€

BASELINE



ALTERNATIVE



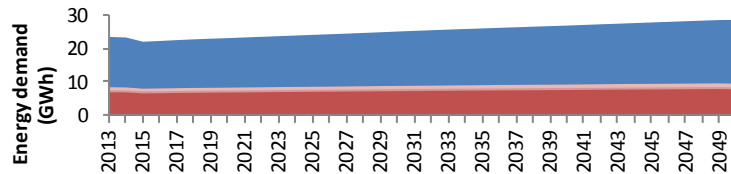
Sector: Service Schools

Alternative Scenario: Electricity

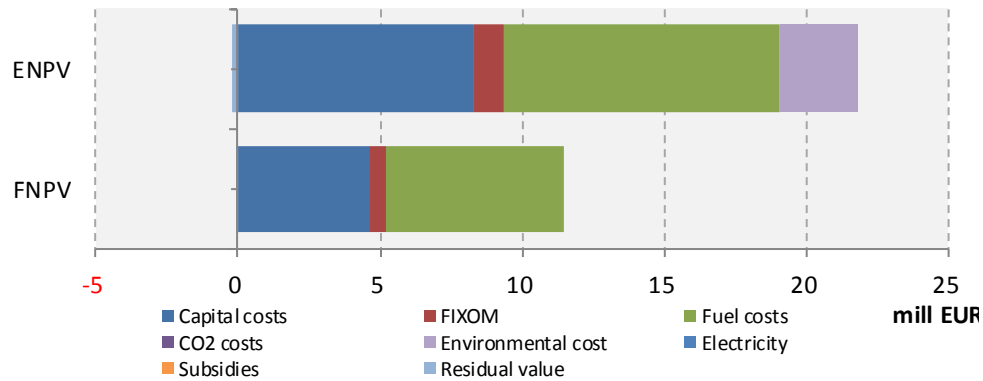
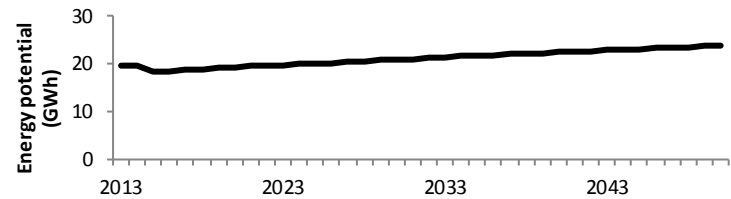
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Schools

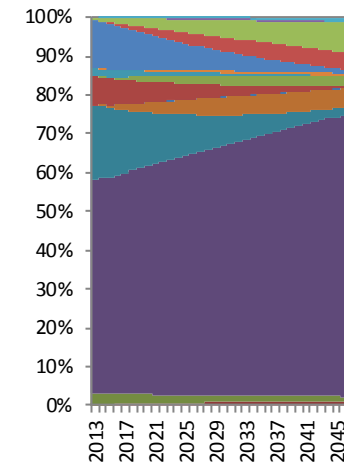


Technical potential of Split unit - Heat pumps fueled by Electricity

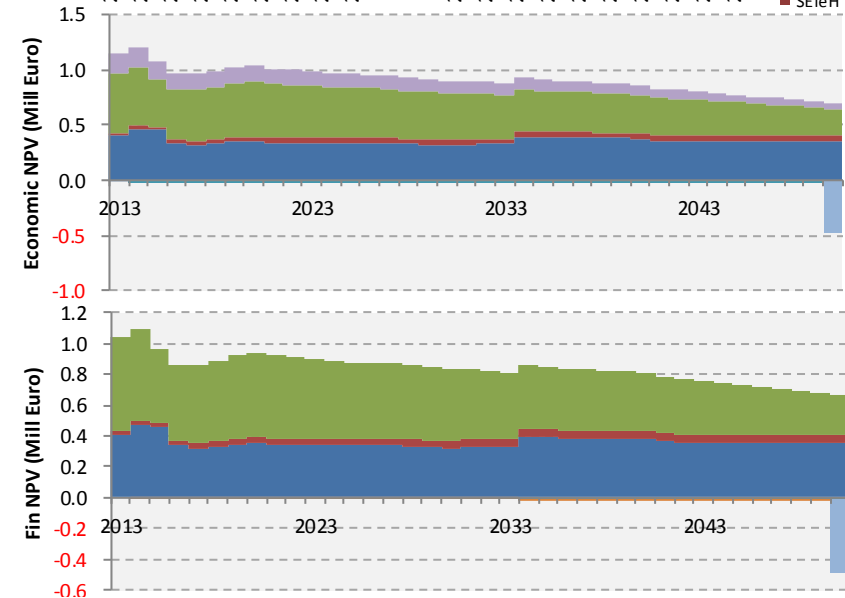
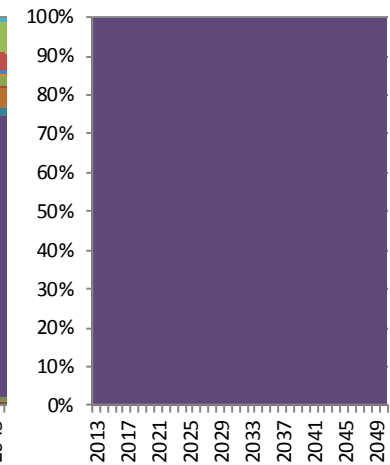


FNPV: 11.4 M€ ENPV: 21.7 M€

BASELINE



ALTERNATIVE



Sector: Service

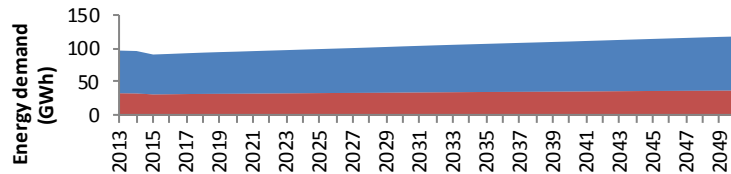
Offices

Alternative Scenario: Electricity

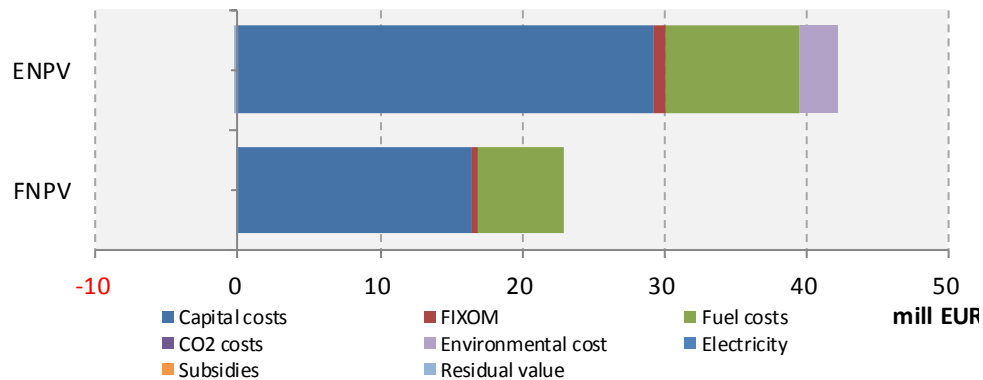
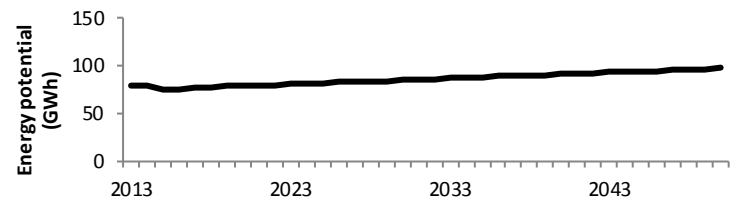
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Offices

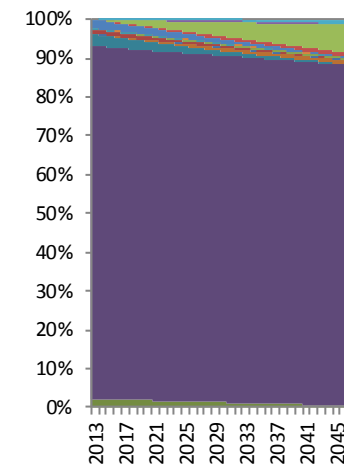


Technical potential of Split unit - Heat pumps fueled by Electricity

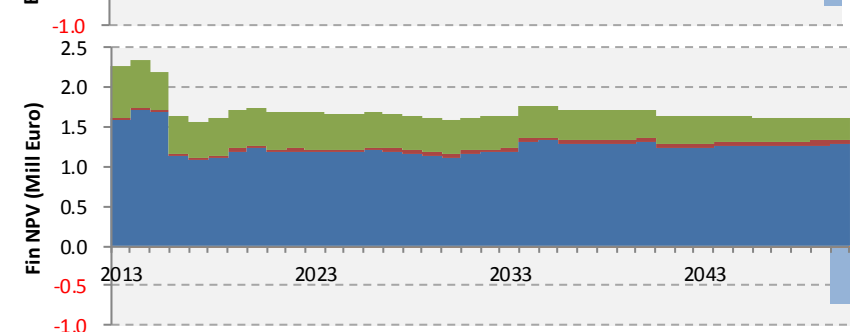
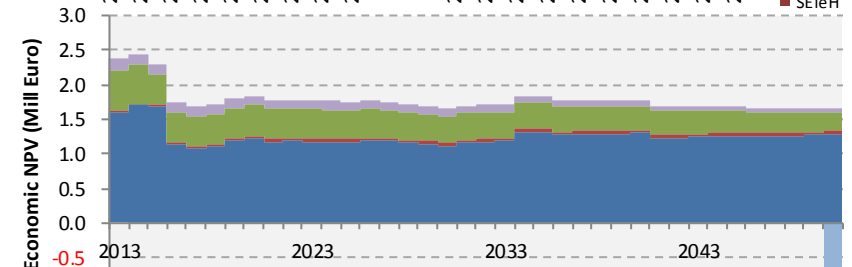
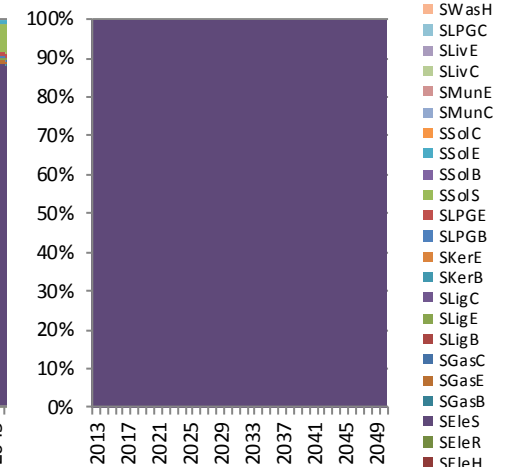


FNPV: 22.8 M€ **ENPV:** 41.9 M€

BASELINE



ALTERNATIVE



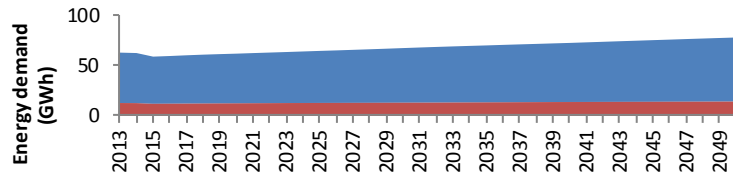
Sector: Service Shopping

Alternative Scenario: Electricity

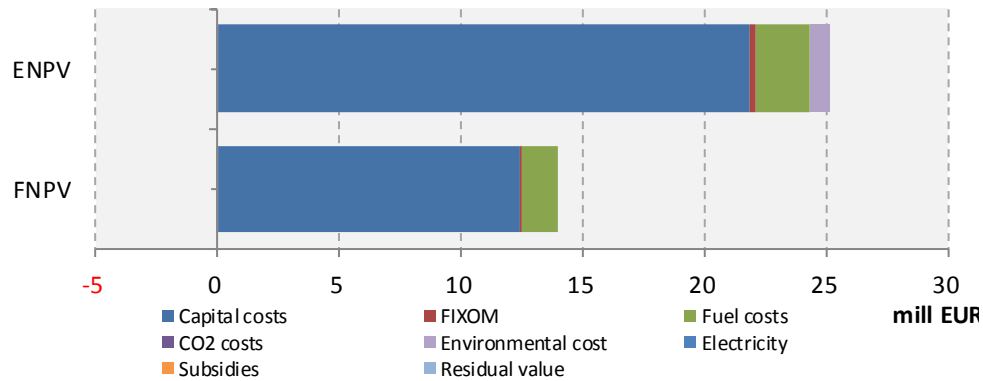
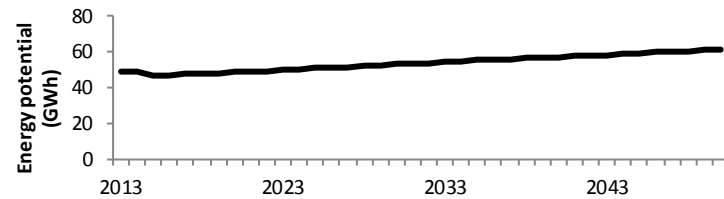
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Shopping

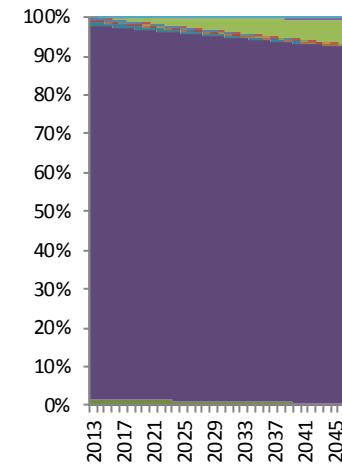


Technical potential of Split unit - Heat pumps fueled by Electricity

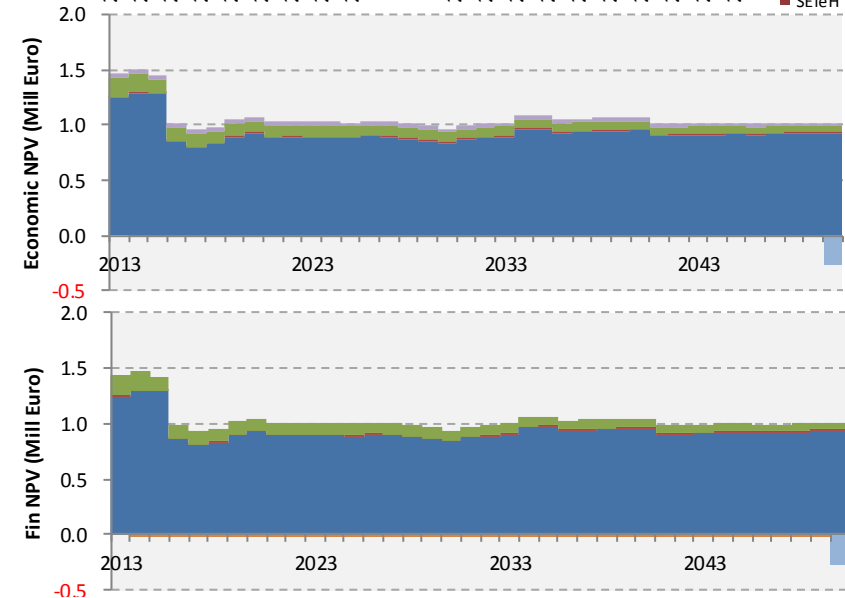
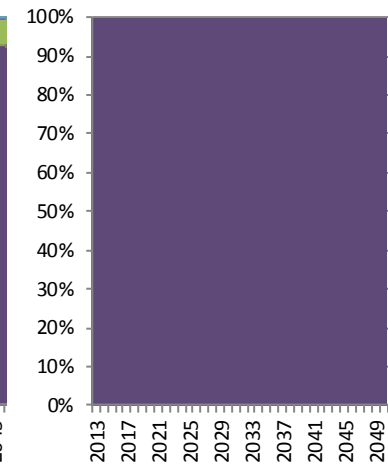


FNVP: 13.9 M€ ENPV: 25.0 M€

BASELINE



ALTERNATIVE



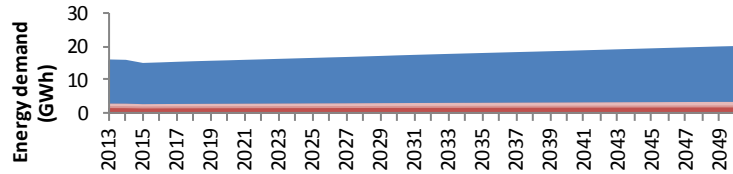
Sector: Service Healthcare

Alternative Scenario: Electricity

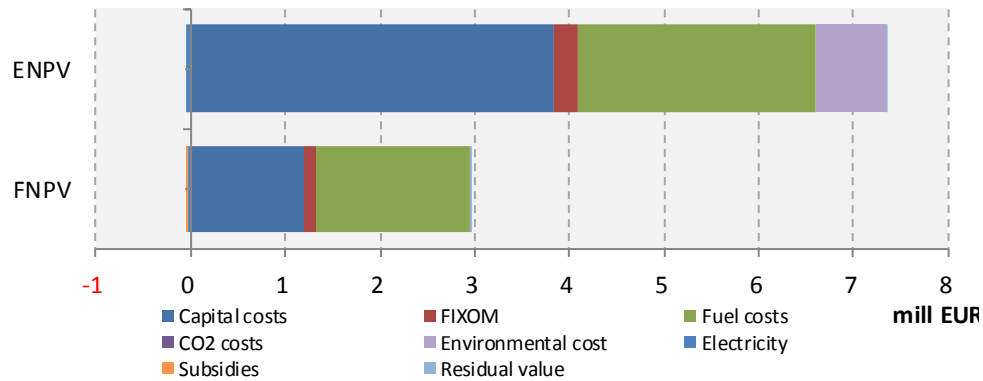
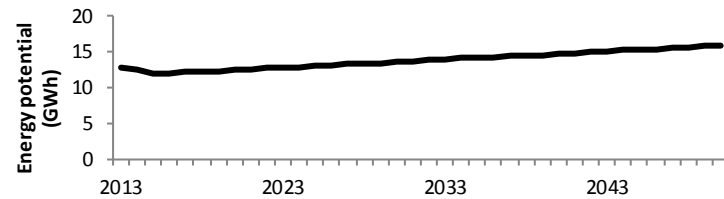
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Healthcare



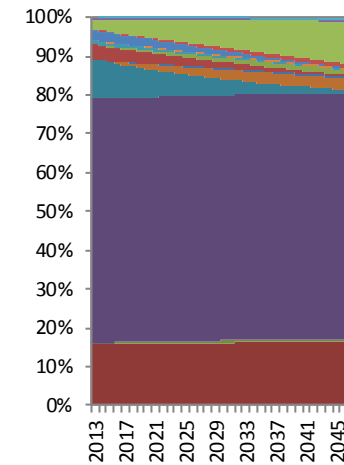
Technical potential of Split unit - Heat pumps fueled by Electricity



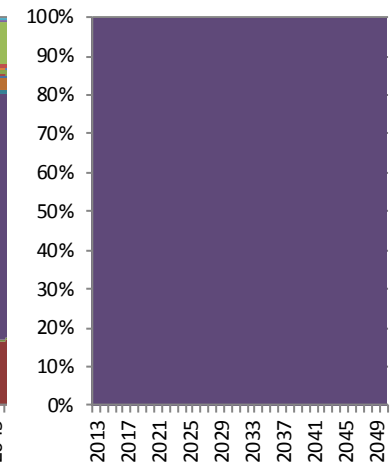
ENPV: 7.3 M€

FNPV: 2.9 M€

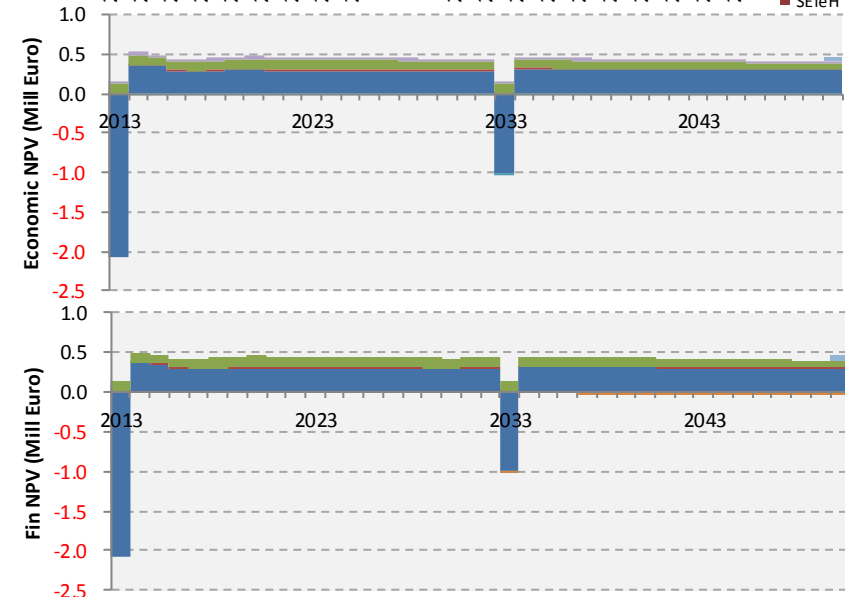
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
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SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



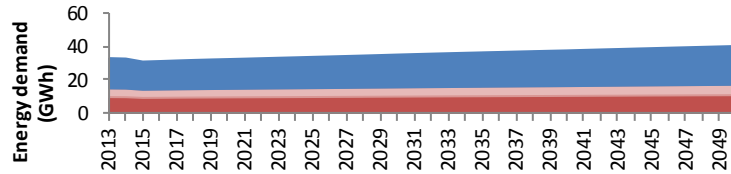
Sector: Service Catering

Alternative Scenario: Electricity

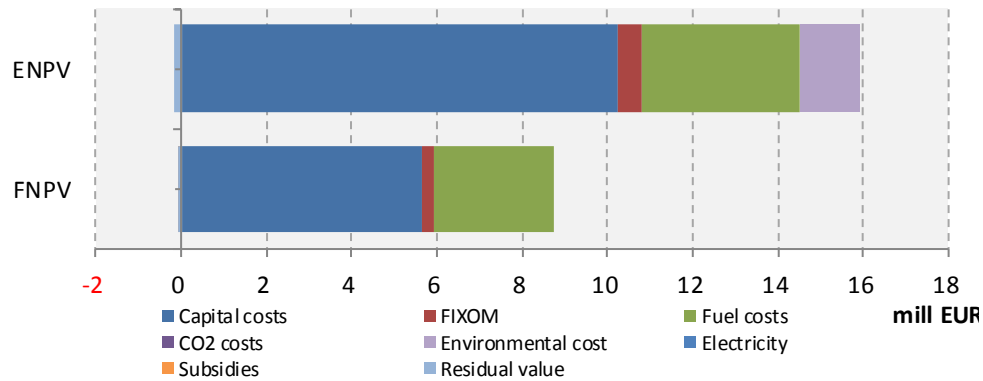
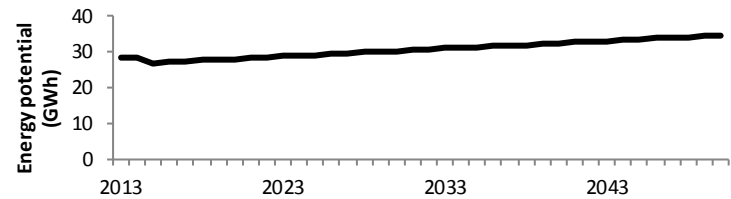
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Catering

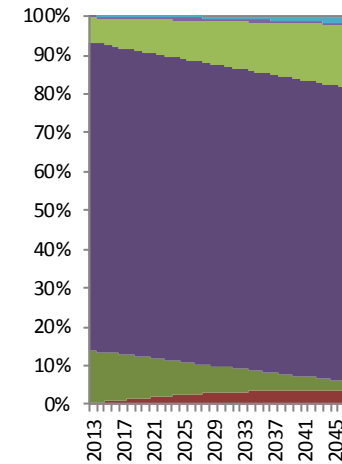


Technical potential of Split unit - Heat pumps fueled by Electricity

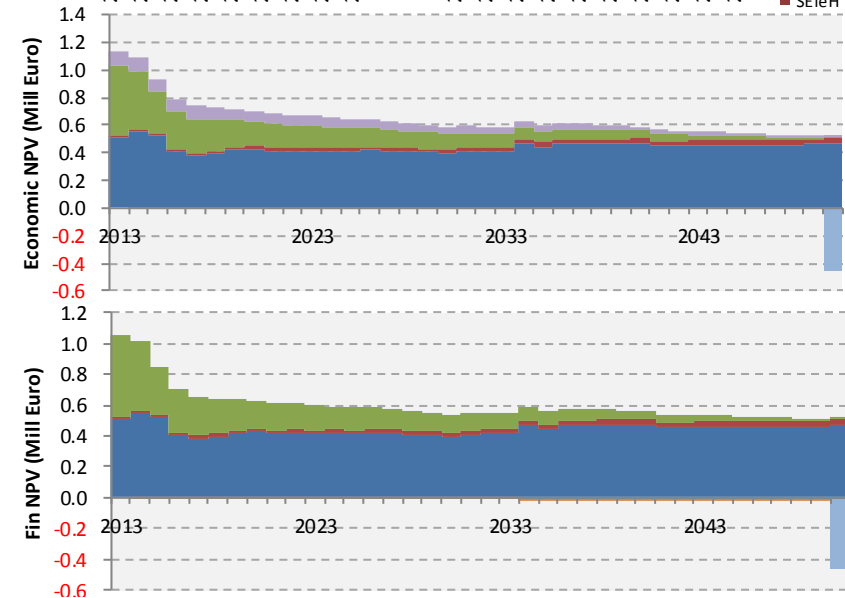
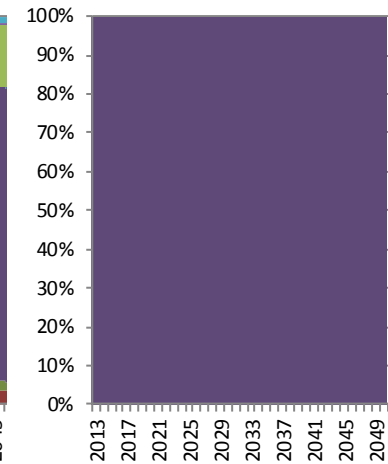


FNPV: 8.7 M€ ENPV: 15.7 M€

BASELINE



ALTERNATIVE



Sector: Service

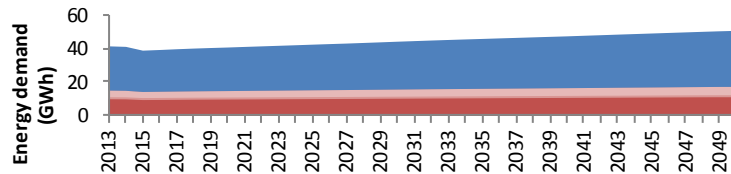
Other

Alternative Scenario: Electricity

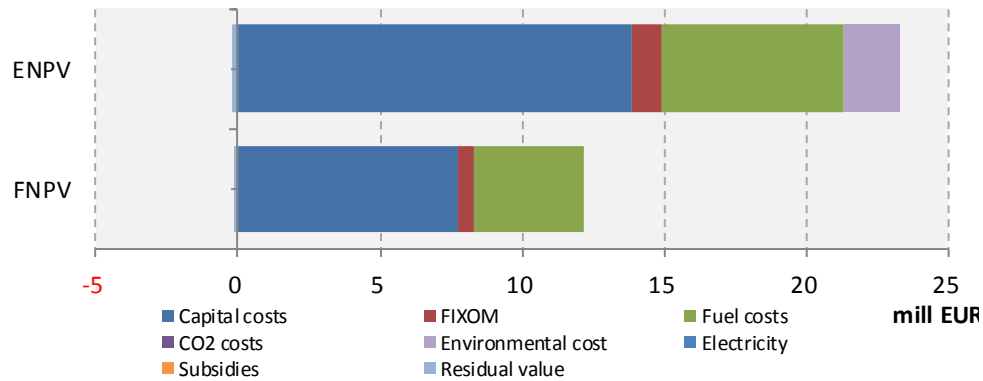
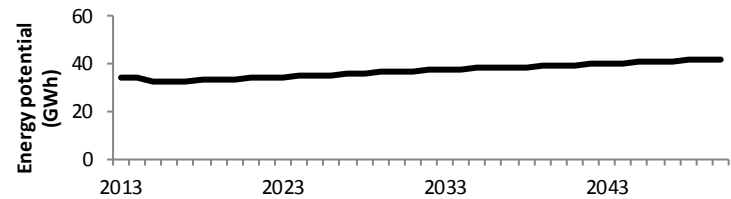
Split unit - Heat pumps

System Boundary: Limassol

Energy demand of Service - Other

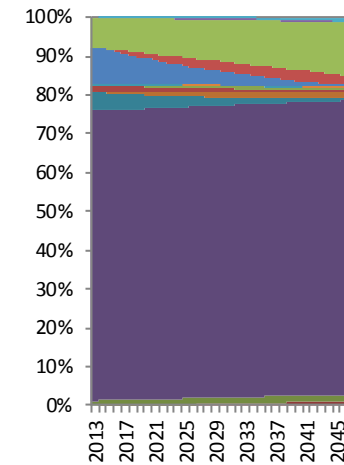


Technical potential of Split unit - Heat pumps fueled by Electricity

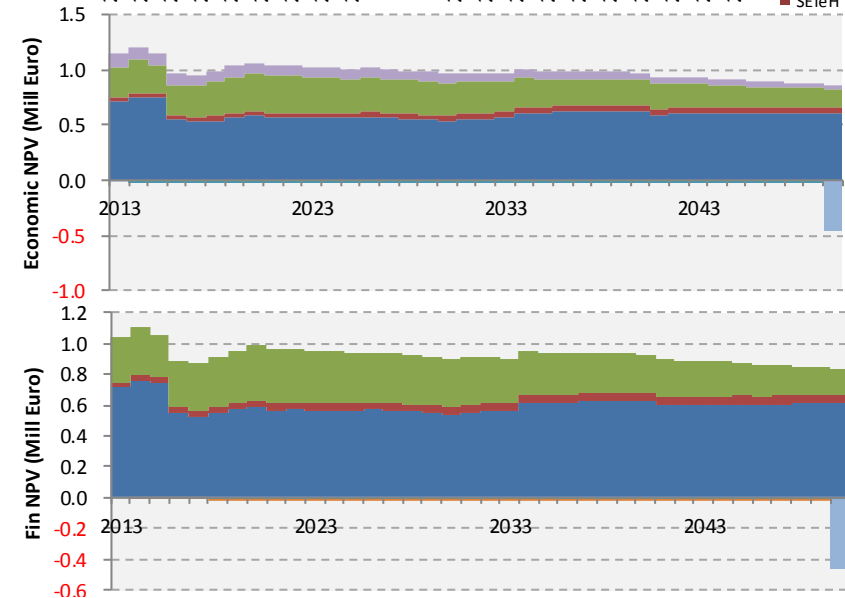
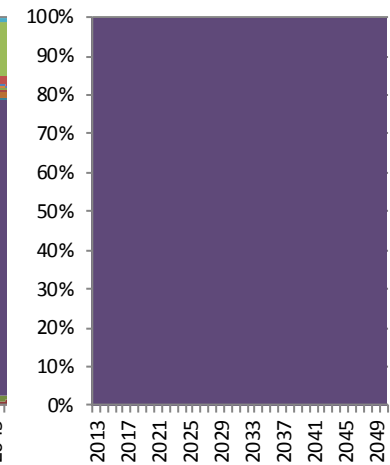


FNPV: 12.1 M€ ENPV: 23.1 M€

BASELINE



ALTERNATIVE



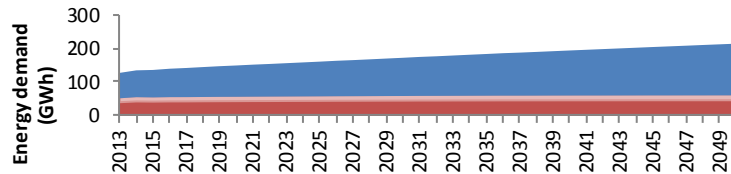
Sector: Residential Apartments

Alternative Scenario: Electricity

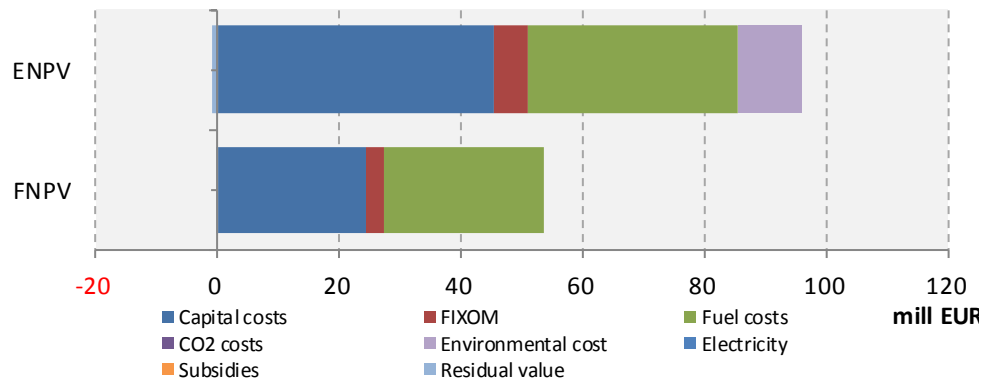
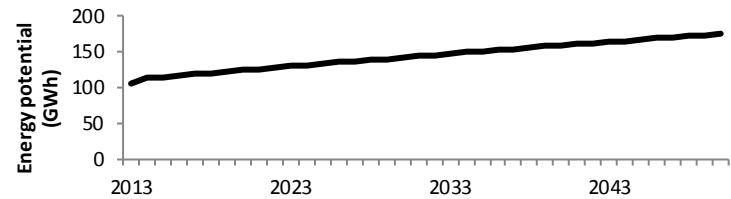
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Residential - Apartments

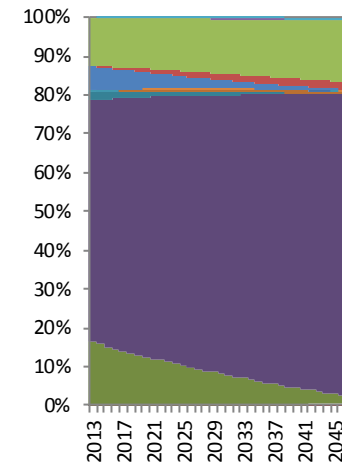


Technical potential of Split unit - Heat pumps fueled by Electricity

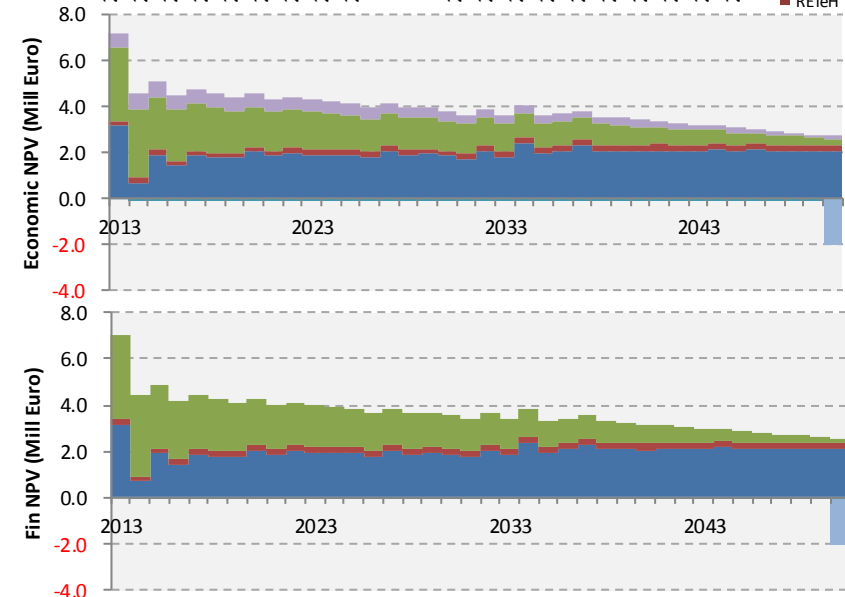
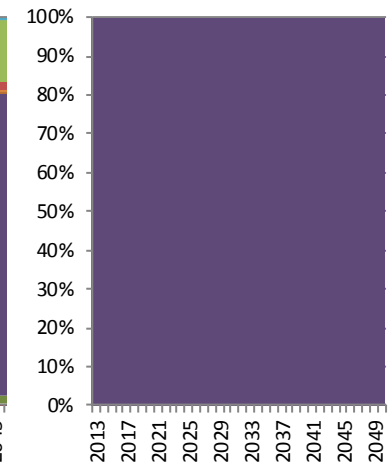


FNPV: 53.4 M€ **ENPV:** 95.0 M€

BASELINE



ALTERNATIVE

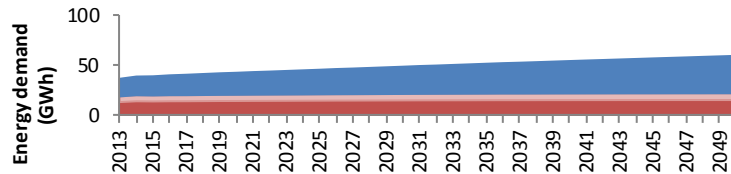


Sector: Residential Single

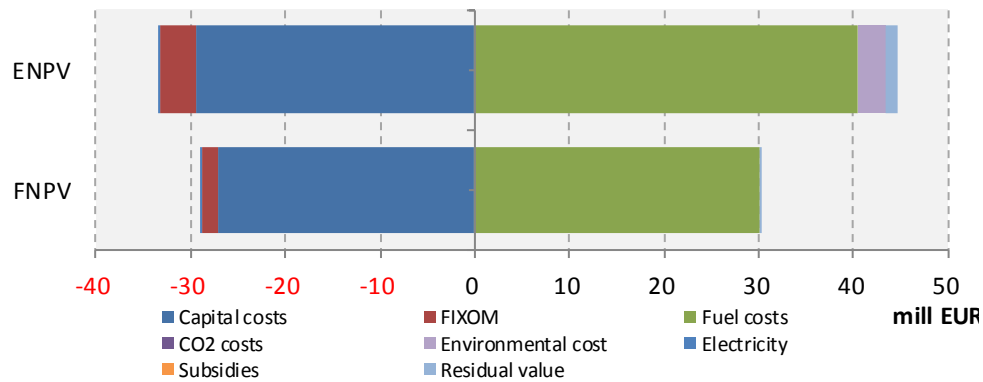
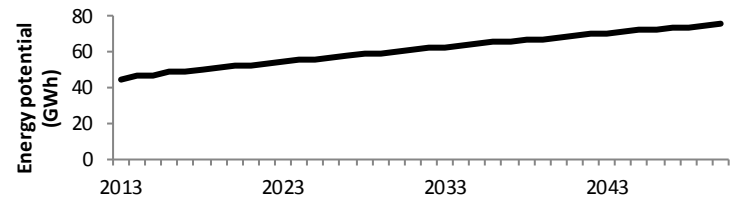
Alternative Scenario: Solar

System Boundary: Larnaca

Energy demand of Residential - Single



Technical potential of Solar panels fueled by Solar

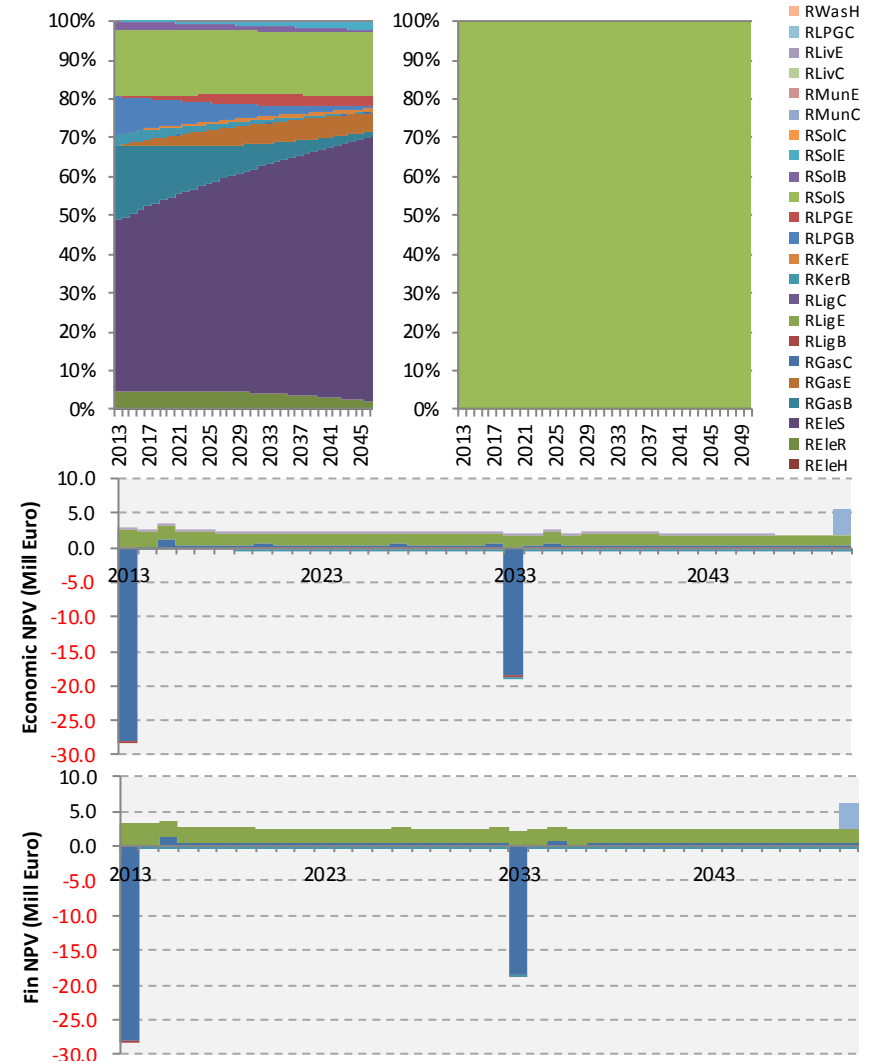


FNPV: 1.6 M€ ENPV: 11.4 M€

Solar panels

BASELINE

ALTERNATIVE



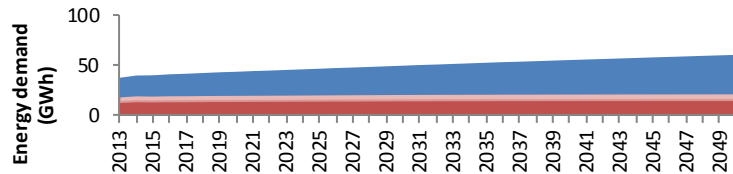
Sector: Residential **Single**

Alternative Scenario: Electricity

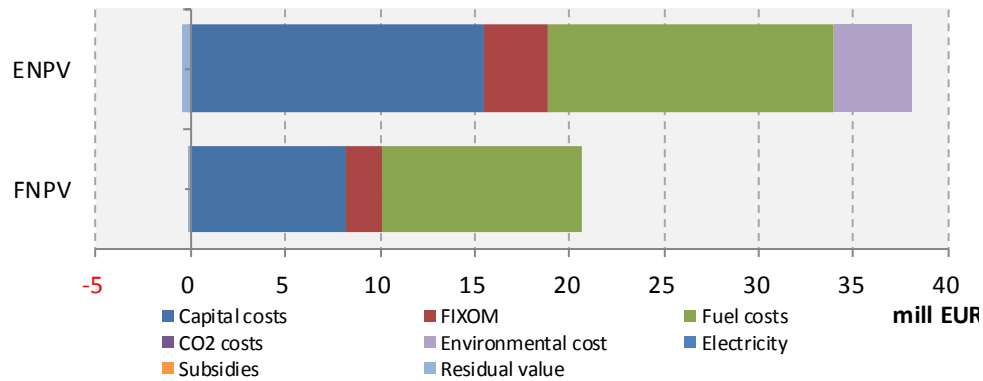
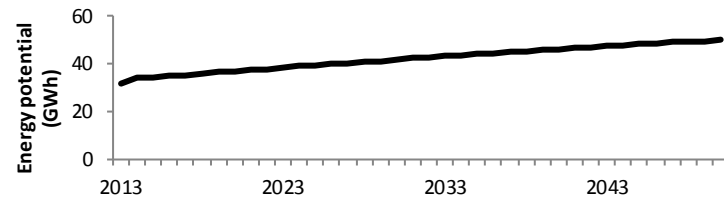
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Residential - Single

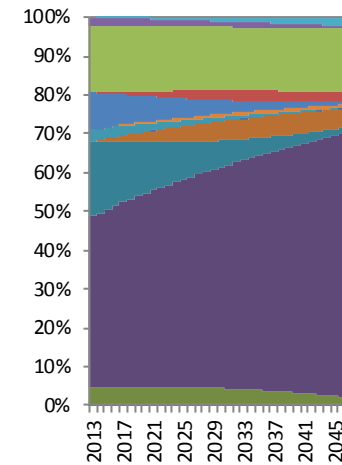


Technical potential of Split unit - Heat pumps fueled by Electricity

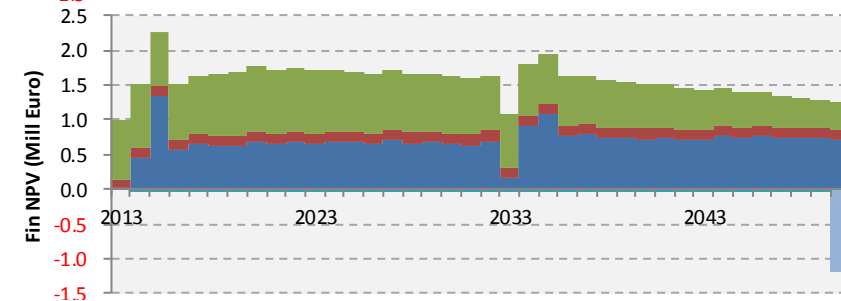
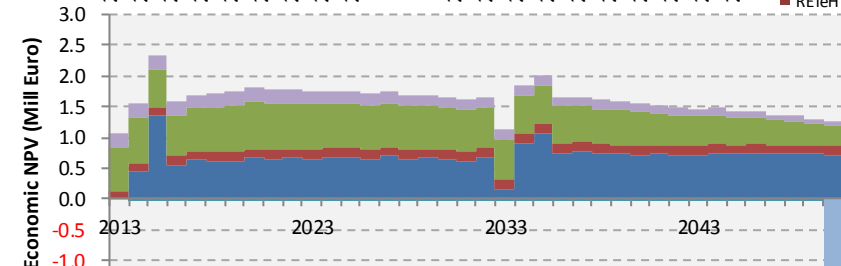
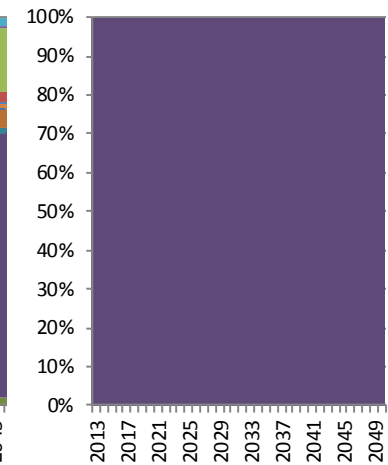


FNPV: 20.6 M€ **ENPV:** 37.7 M€

BASELINE



ALTERNATIVE

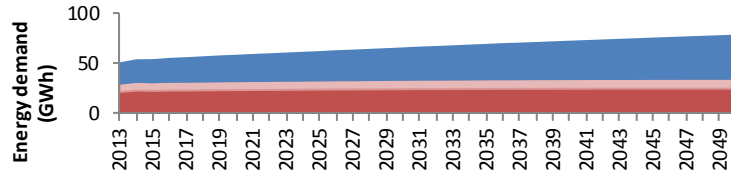


Alternative Scenario: Solar

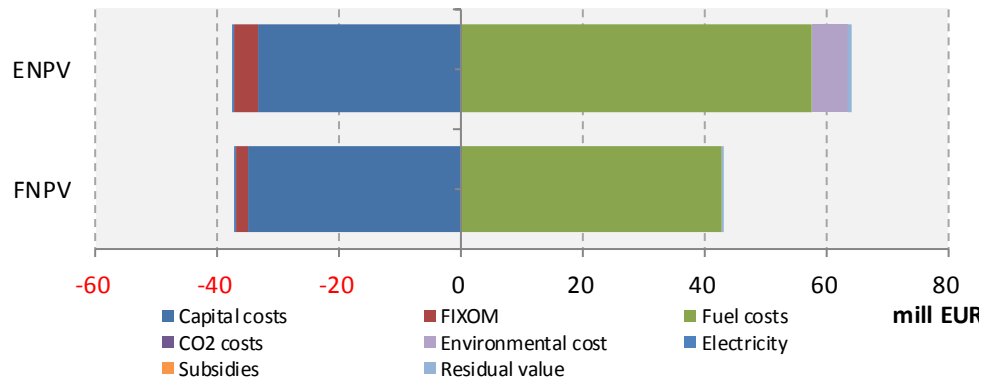
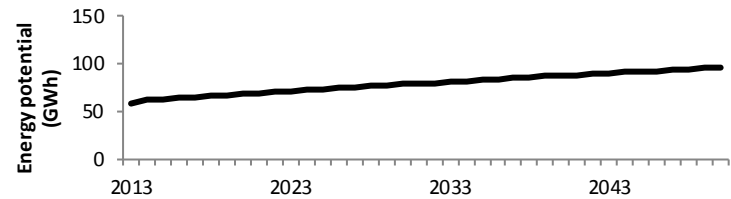
System Boundary: Larnaca

Solar panels

Energy demand of Residential - Row



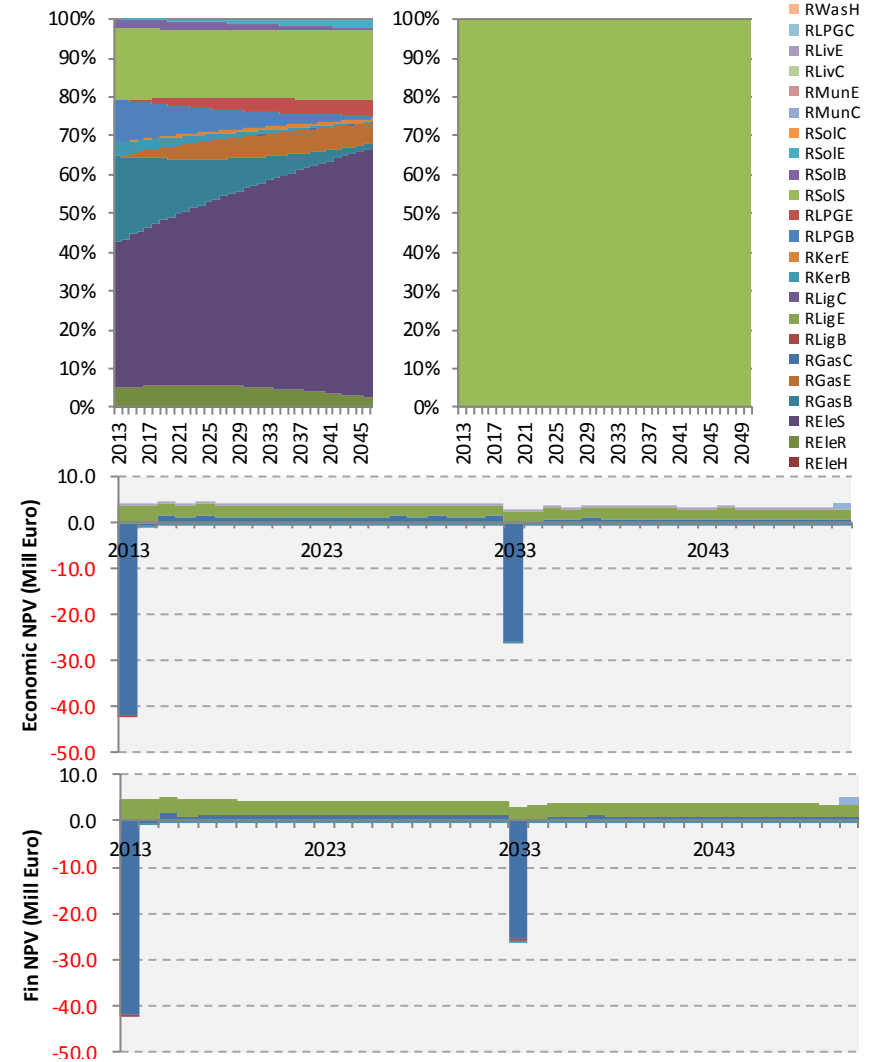
Technical potential of Solar panels fueled by Solar



FNPV: 5.9 M€ **ENPV:** 26.6 M€

BASELINE

ALTERNATIVE



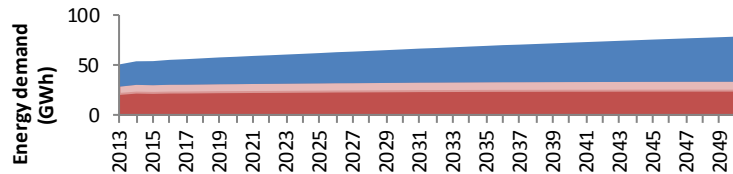
Sector: Residential Row

Alternative Scenario: Electricity

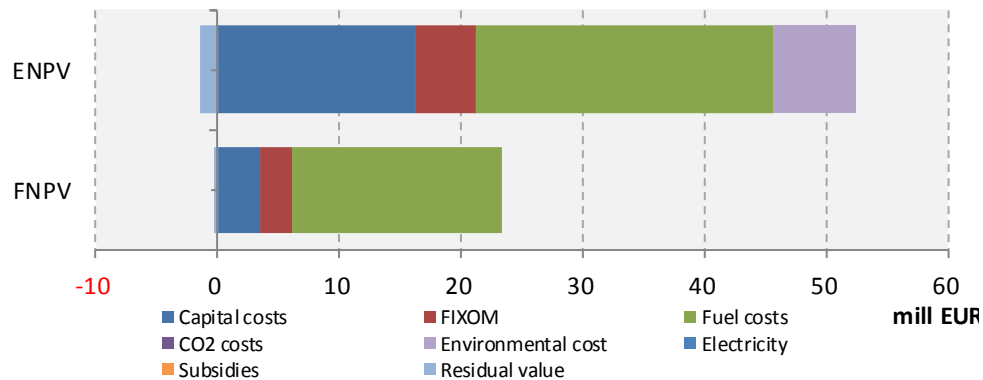
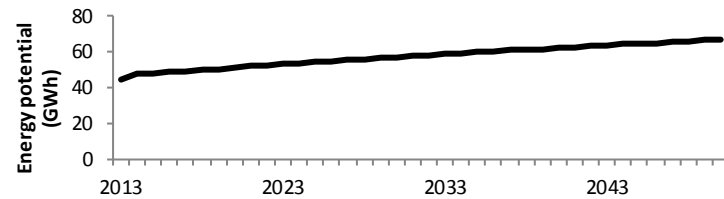
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Residential - Row

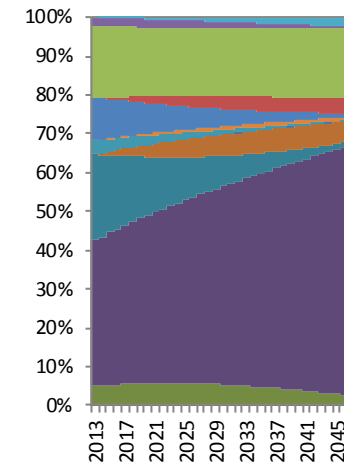


Technical potential of Split unit - Heat pumps fueled by Electricity

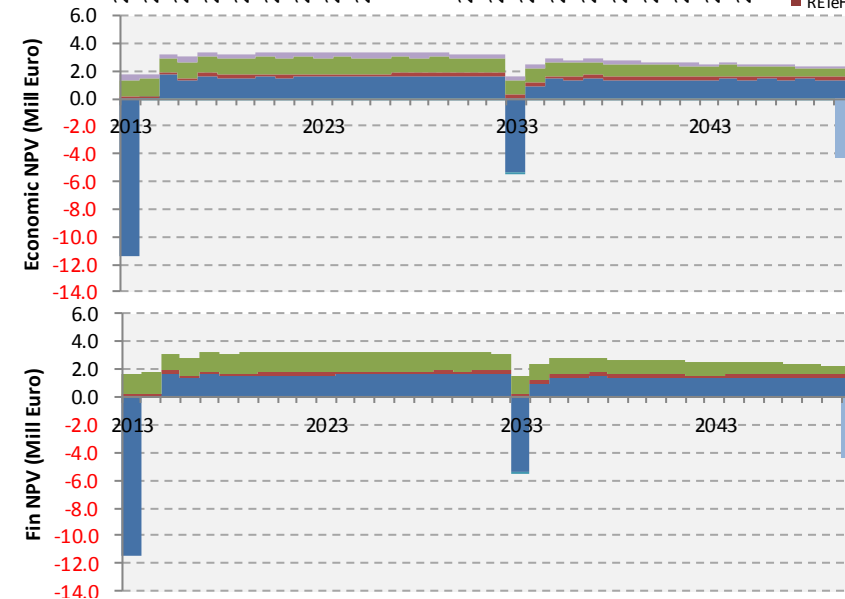
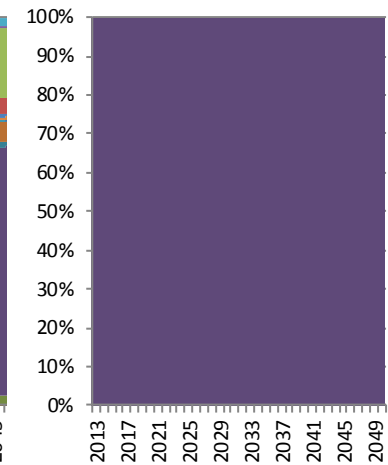


FNPV: 23.1 M€ ENPV: 50.8 M€

BASELINE



ALTERNATIVE



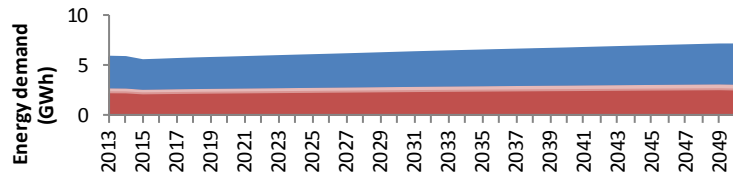
Sector: Service Schools

Alternative Scenario: Electricity

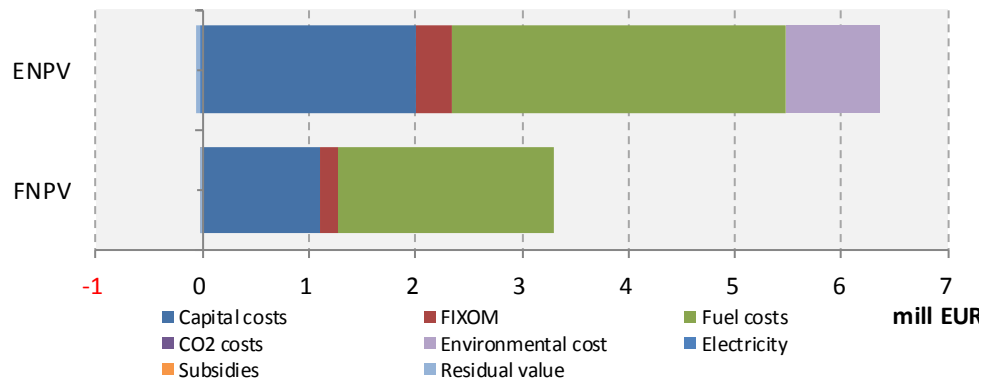
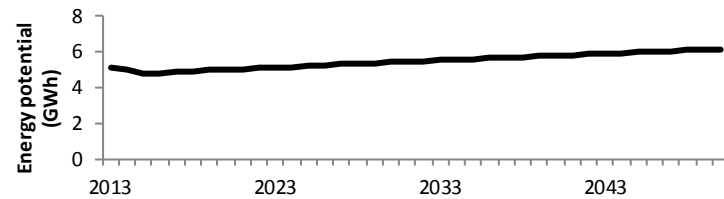
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Schools

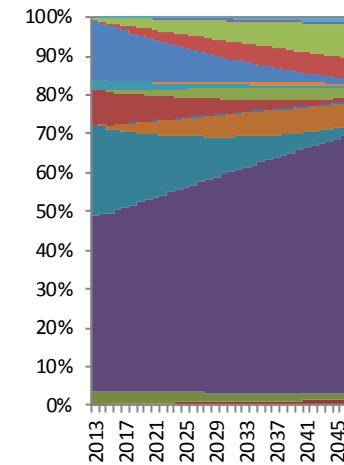


Technical potential of Split unit - Heat pumps fueled by Electricity

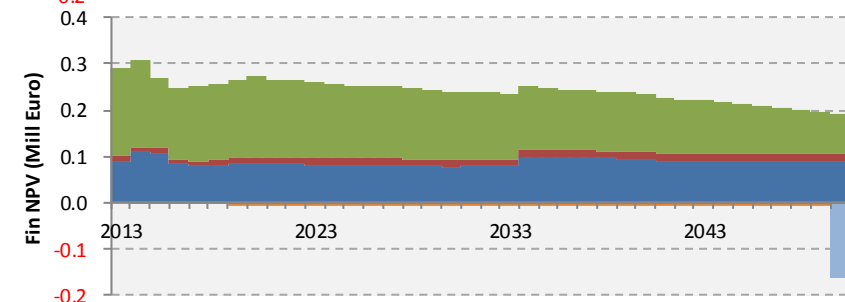
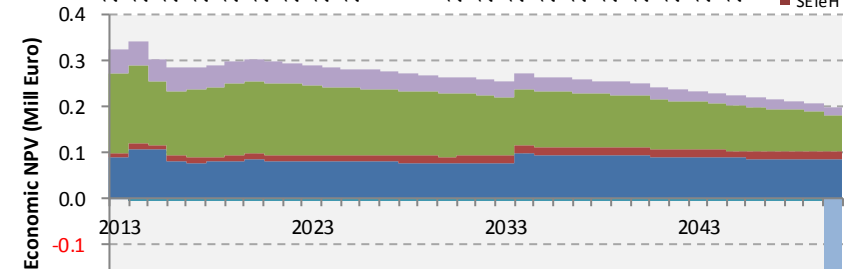
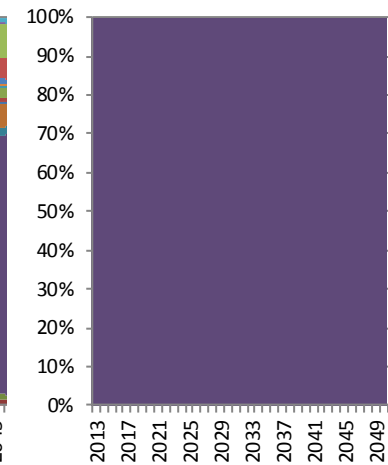


FNPV: 3.3 M€ ENPV: 6.3 M€

BASELINE



ALTERNATIVE



Sector: Service

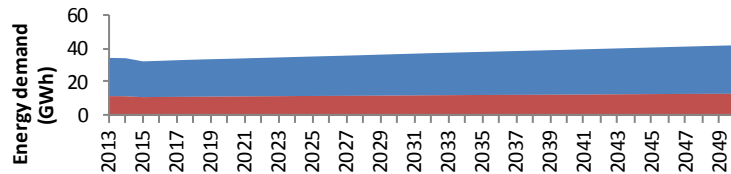
Offices

Alternative Scenario: Electricity

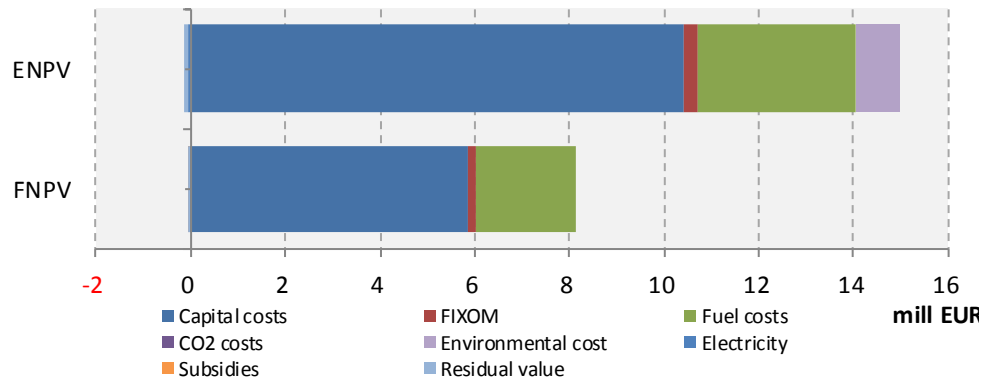
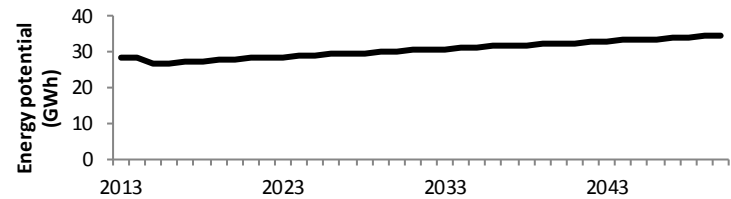
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Offices

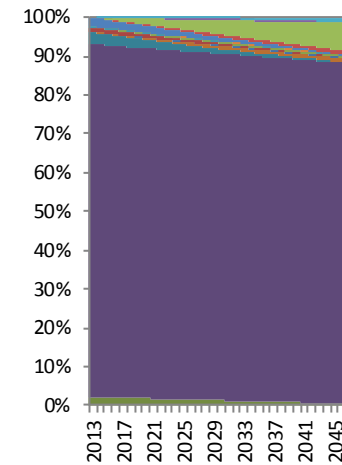


Technical potential of Split unit - Heat pumps fueled by Electricity

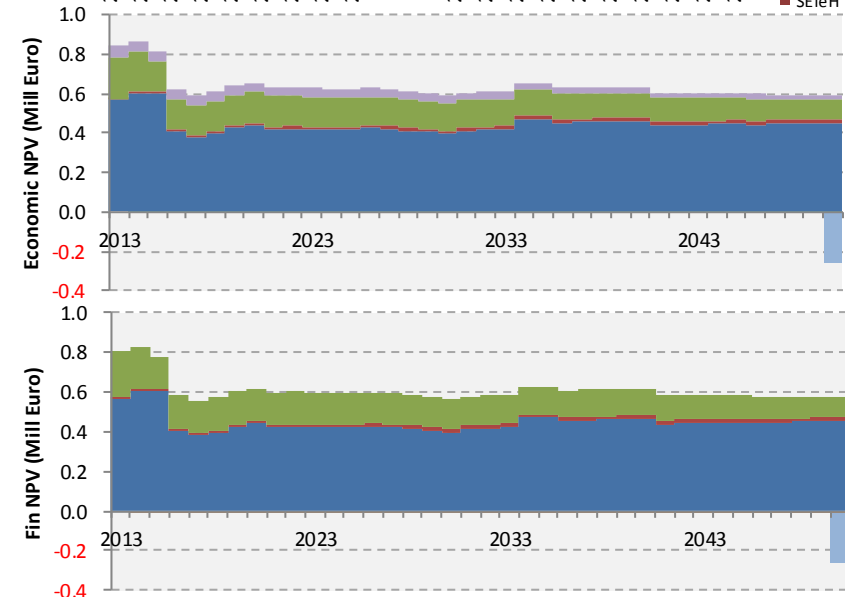
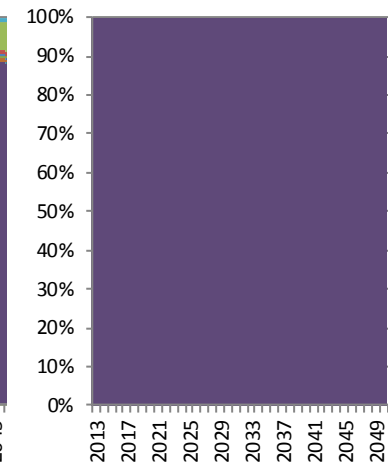


FNPV: 8.1 M€ ENPV: 14.9 M€

BASELINE



ALTERNATIVE



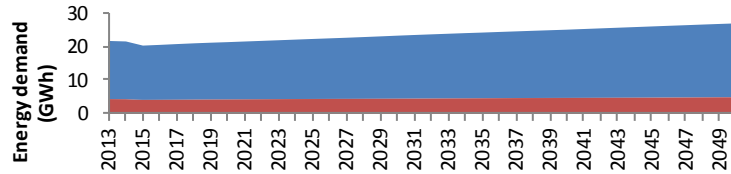
Sector: Service Shopping

Alternative Scenario: Electricity

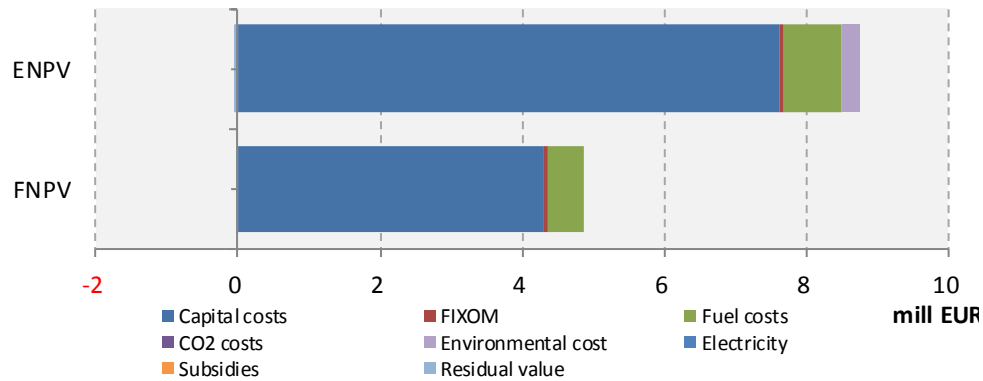
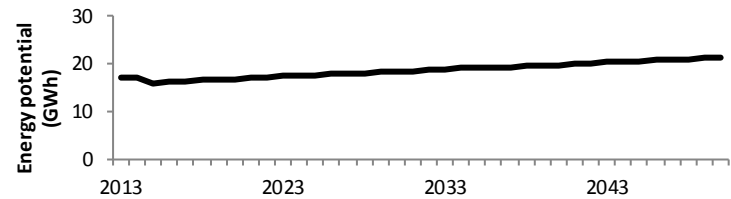
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Shopping

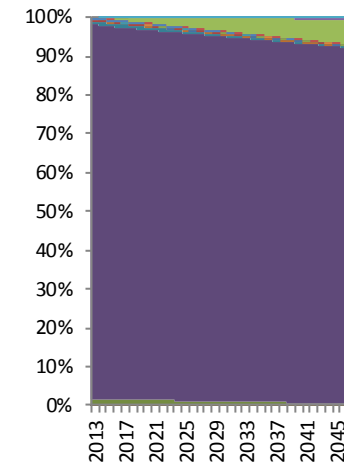


Technical potential of Split unit - Heat pumps fueled by Electricity

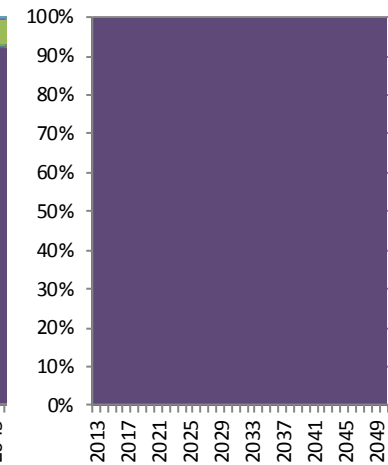


FNPV: 4.9 M€ ENPV: 8.7 M€

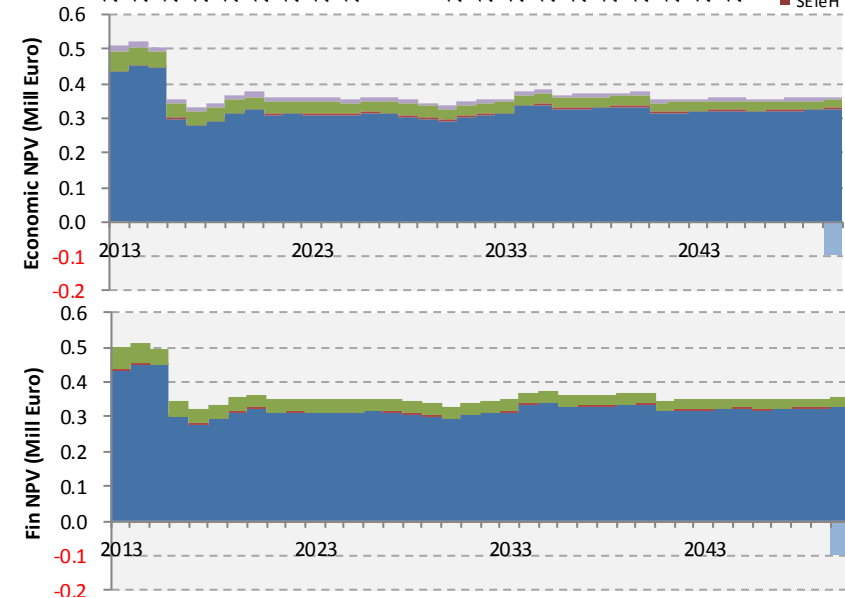
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
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SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



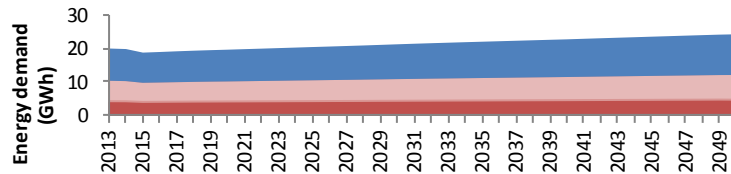
Sector: Service Healthcare

Alternative Scenario: Electricity

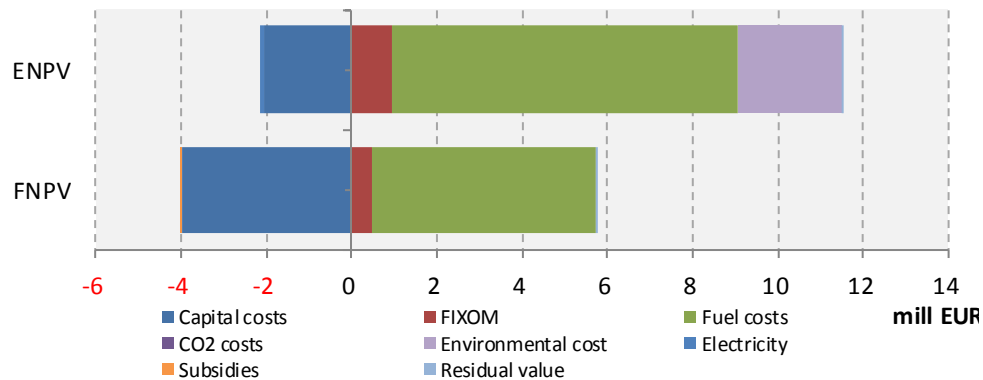
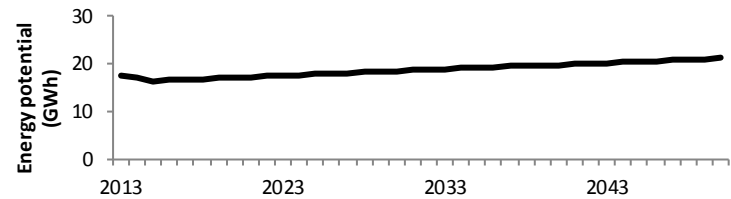
Heat pumps

System Boundary: Larnaca

Energy demand of Service - Healthcare

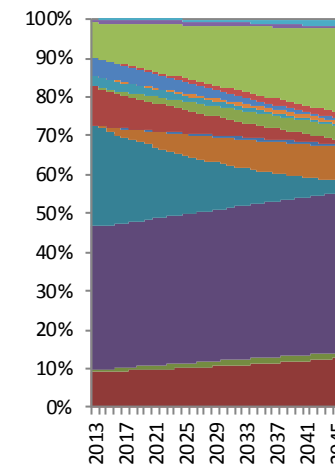


Technical potential of Heat pumps fueled by Electricity

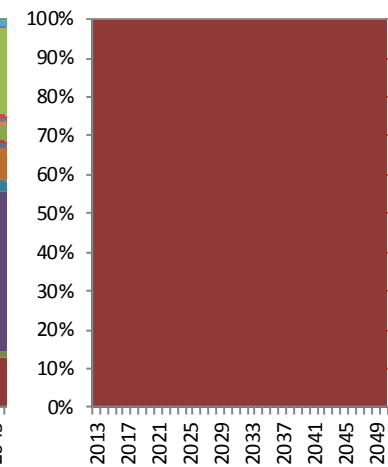


FNPV: 1.7 M€ ENPV: 9.4 M€

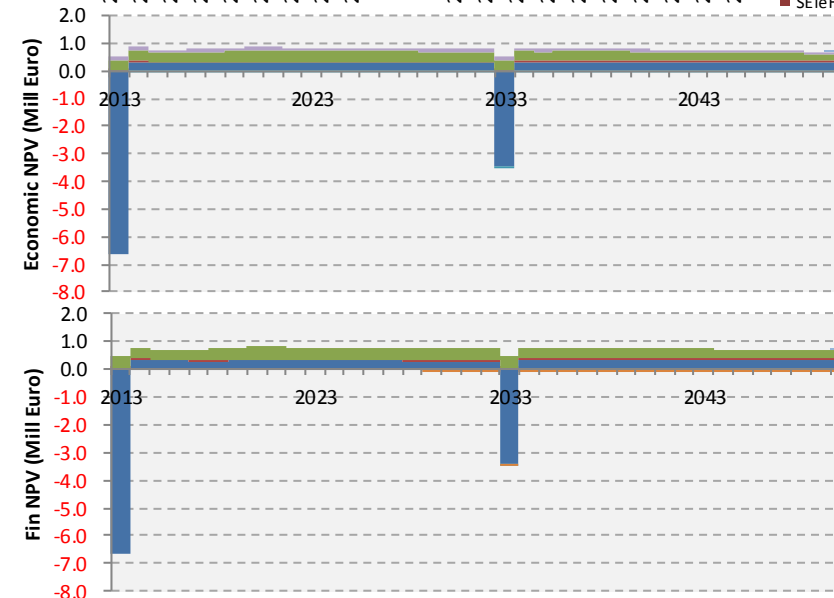
BASELINE



ALTERNATIVE



SWasH, SLPGC, SLivE, SLivC, SMunE, SMunC, SSolC, SSolE, SSolB, SSolS, SLPGE, SLPGB, SKerE, SKerB, SLigC, SLigE, SLigB, SGasC, SGasE, SGasB, SEleS, SEleR, SEleH

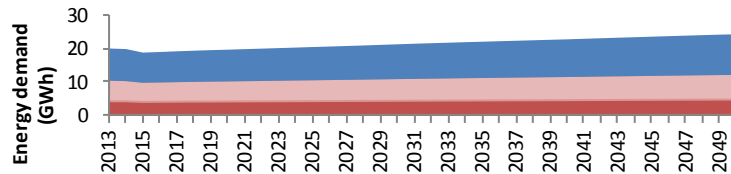


Sector: Service Healthcare

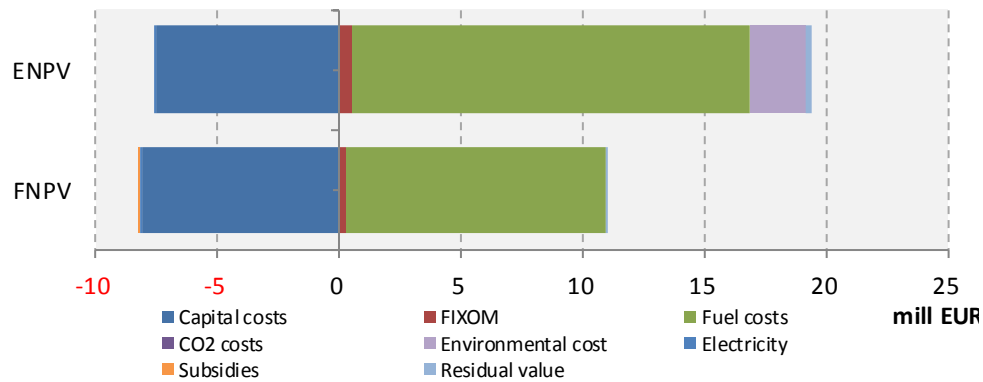
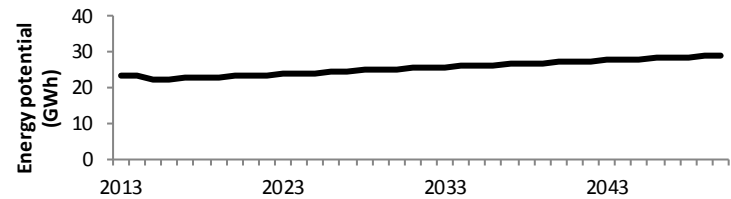
Alternative Scenario: Solar

System Boundary: Larnaca

Energy demand of Service - Healthcare



Technical potential of Solar panels fueled by Solar

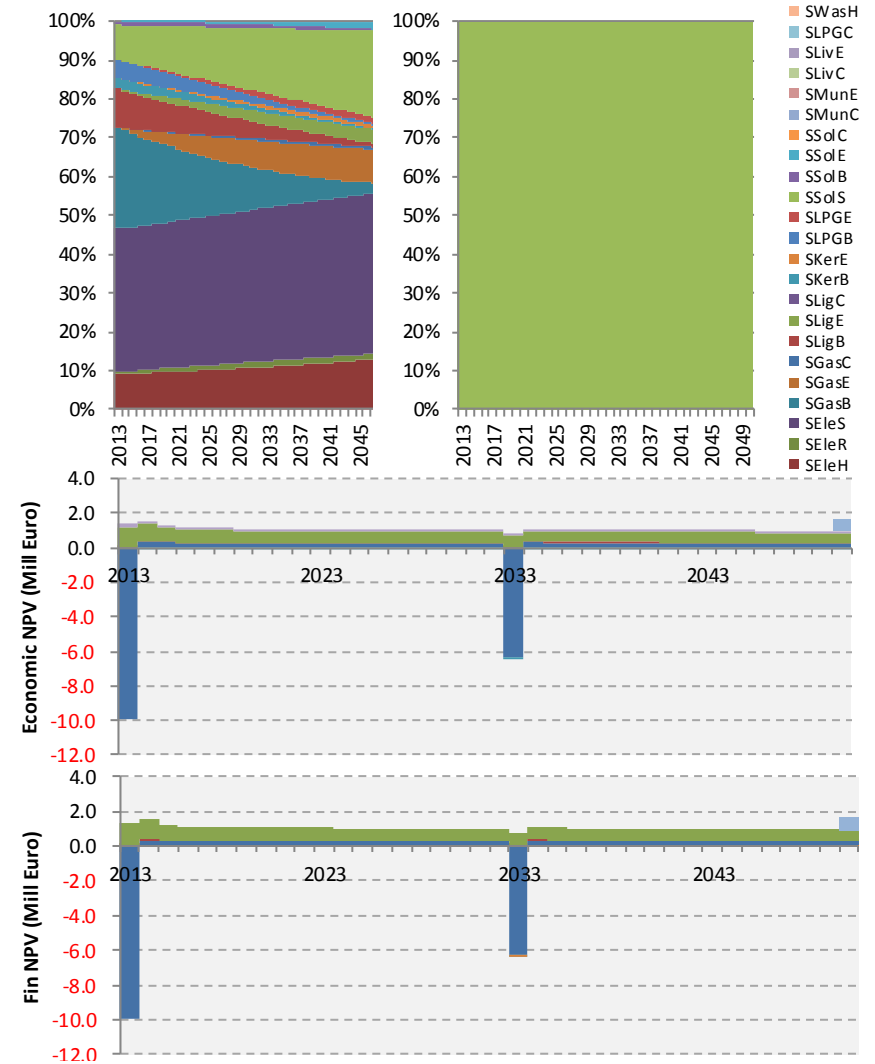


FNPV: 2.8 M€ ENPV: 11.7 M€

Solar panels

BASELINE

ALTERNATIVE



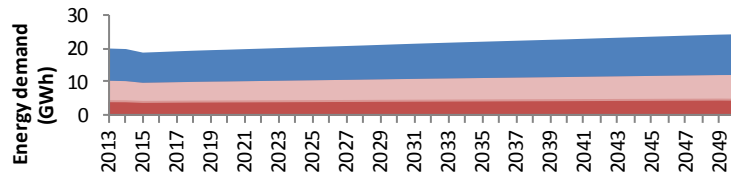
Sector: Service Healthcare

Alternative Scenario: Electricity

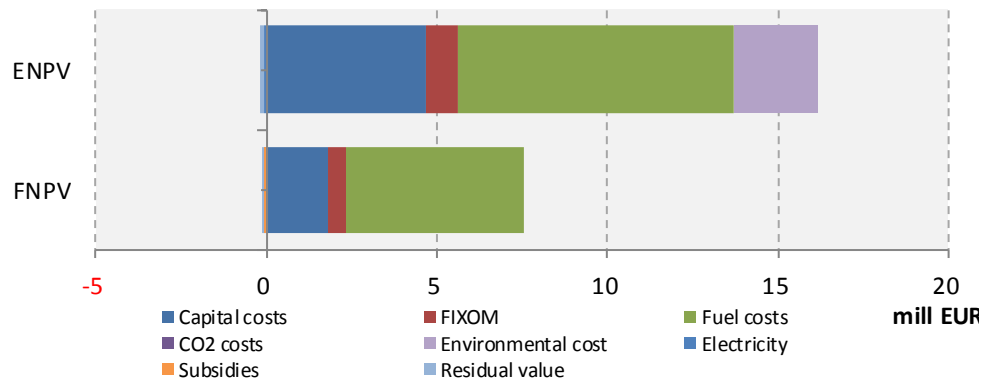
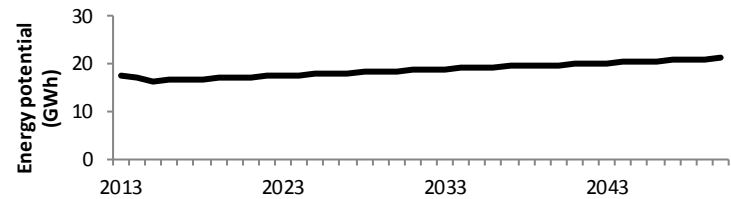
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Healthcare

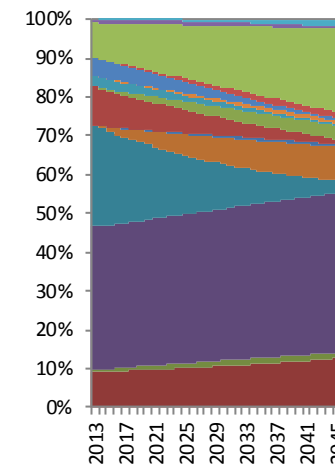


Technical potential of Split unit - Heat pumps fueled by Electricity

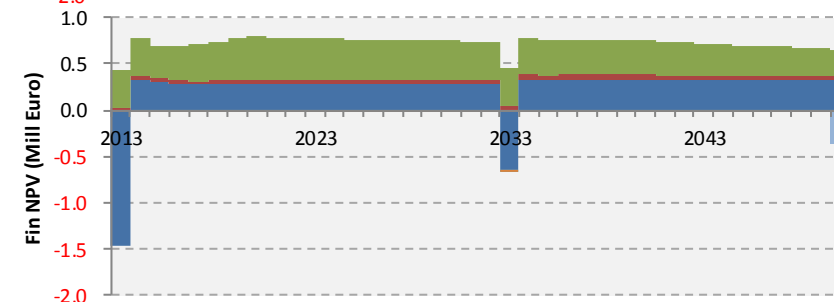
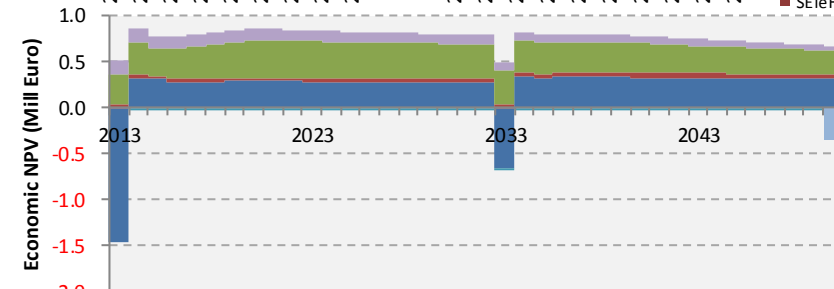
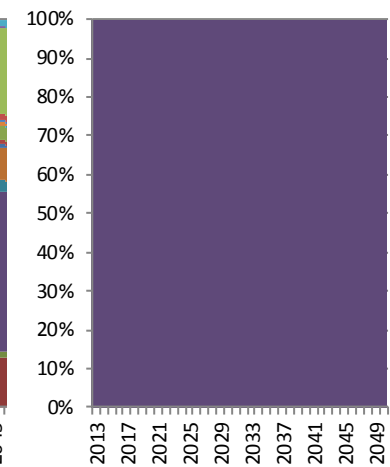


FNPV: 7.5 M€ ENPV: 16.0 M€

BASELINE



ALTERNATIVE



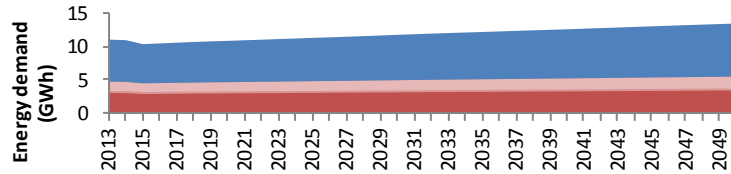
Sector: Service Catering

Alternative Scenario: Electricity

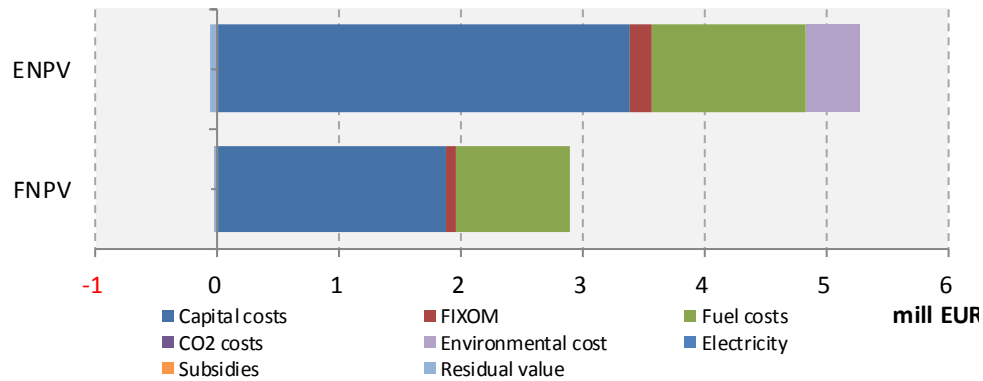
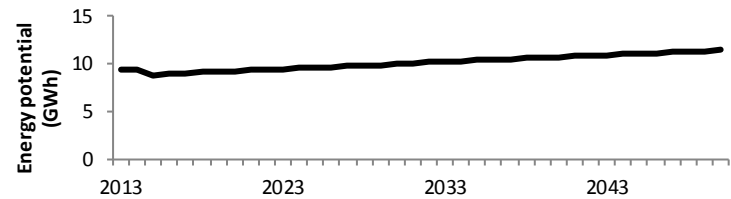
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Catering

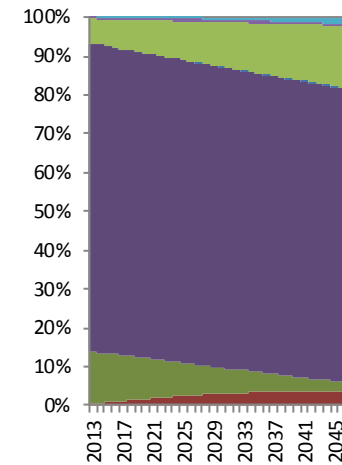


Technical potential of Split unit - Heat pumps fueled by Electricity

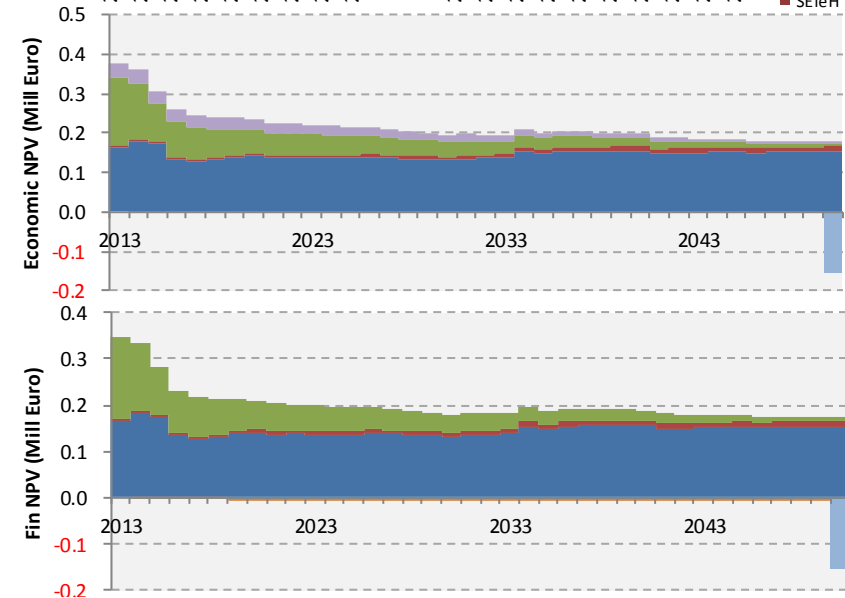
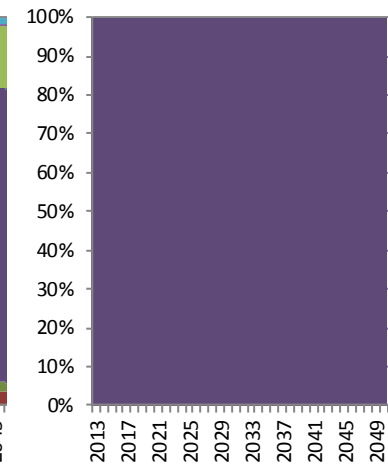


FNPV: 2.9 M€ ENPV: 5.2 M€

BASELINE



ALTERNATIVE



Sector: Service

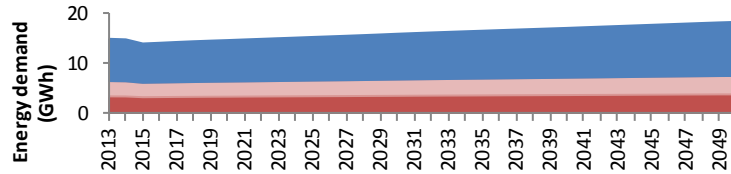
Other

Alternative Scenario: Electricity

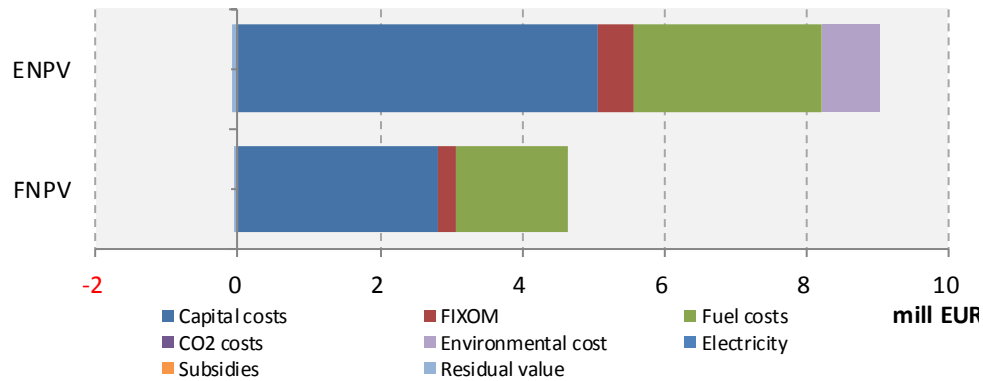
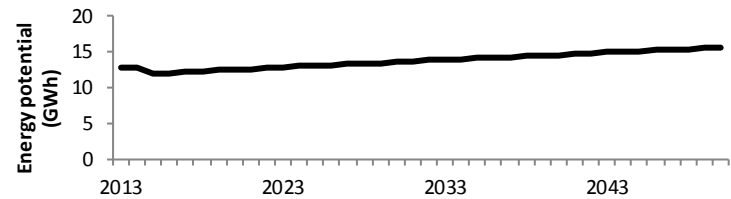
Split unit - Heat pumps

System Boundary: Larnaca

Energy demand of Service - Other

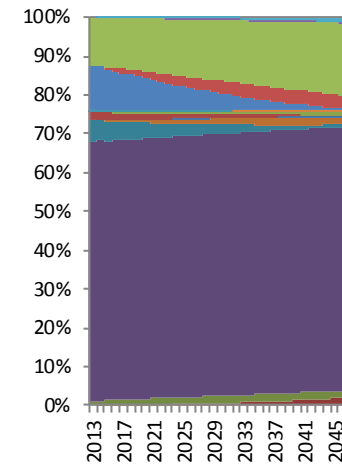


Technical potential of Split unit - Heat pumps fueled by Electricity

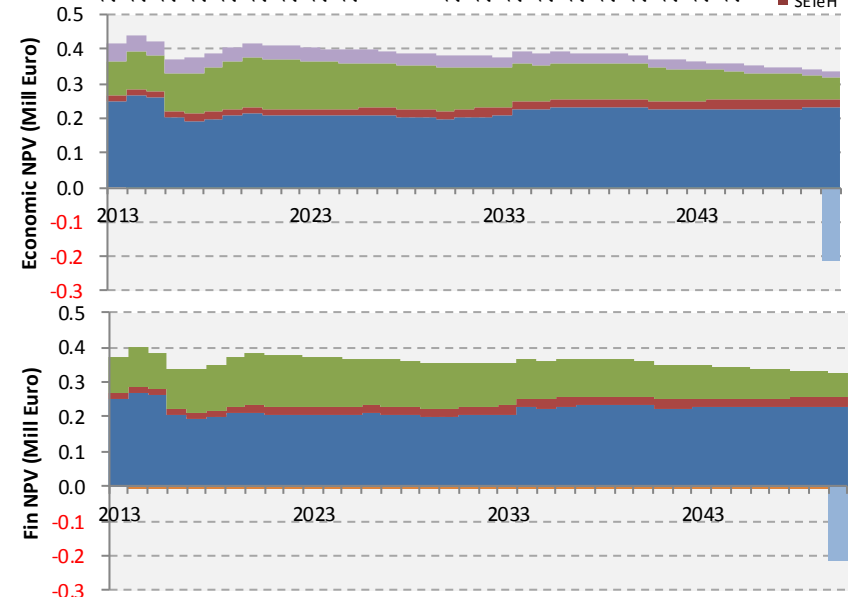
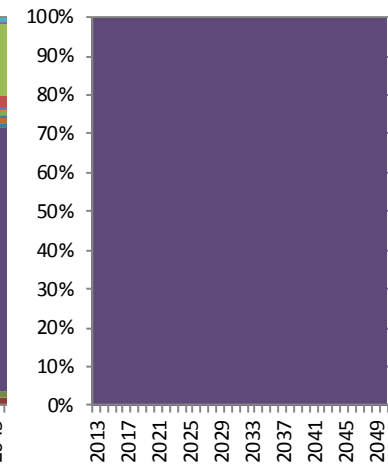


FNPV: 4.6 M€ ENPV: 8.9 M€

BASELINE



ALTERNATIVE



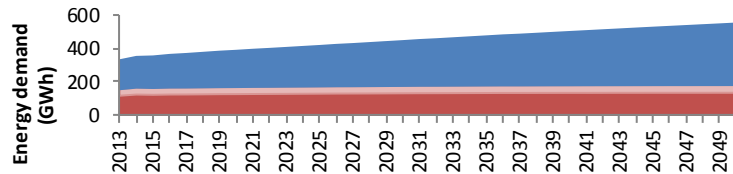
Sector: Residential Apartments

Alternative Scenario: Electricity

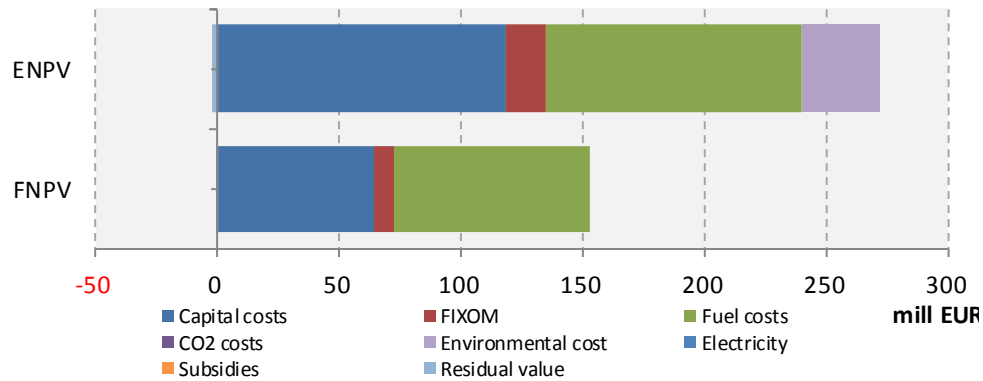
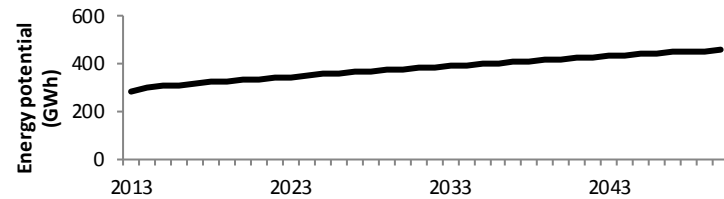
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Residential - Apartments

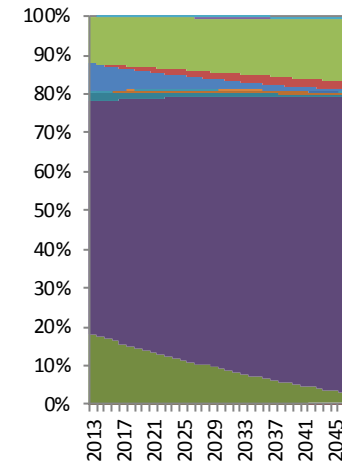


Technical potential of Split unit - Heat pumps fueled by Electricity

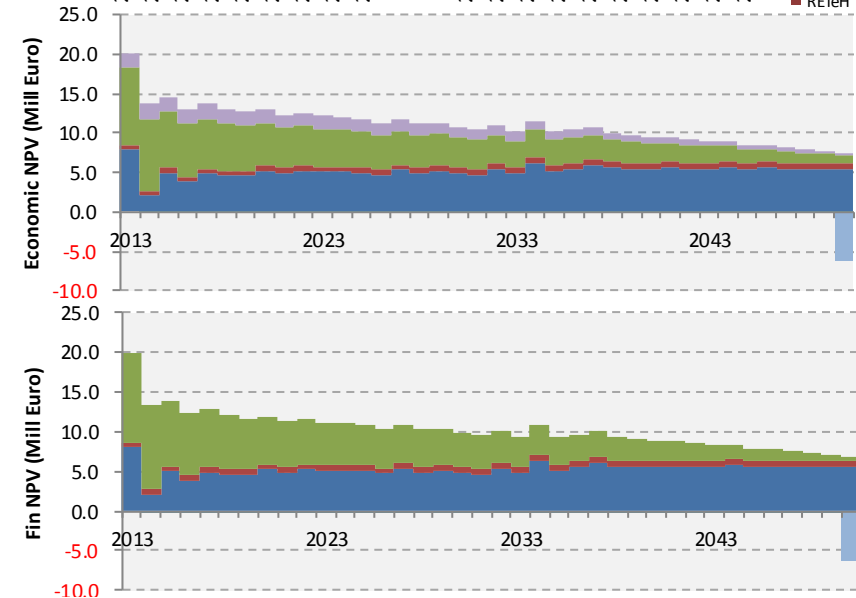
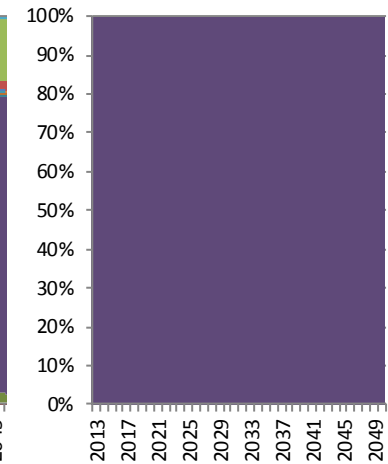


FNPV: 151.9 M€ **ENPV:** 269.2 M€

BASELINE



ALTERNATIVE

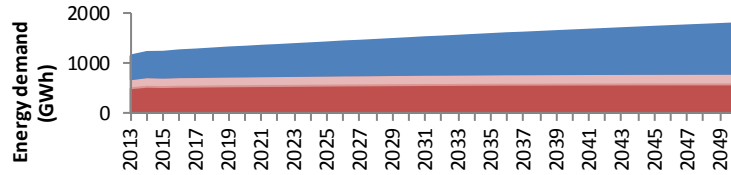


Sector: Residential **Single**

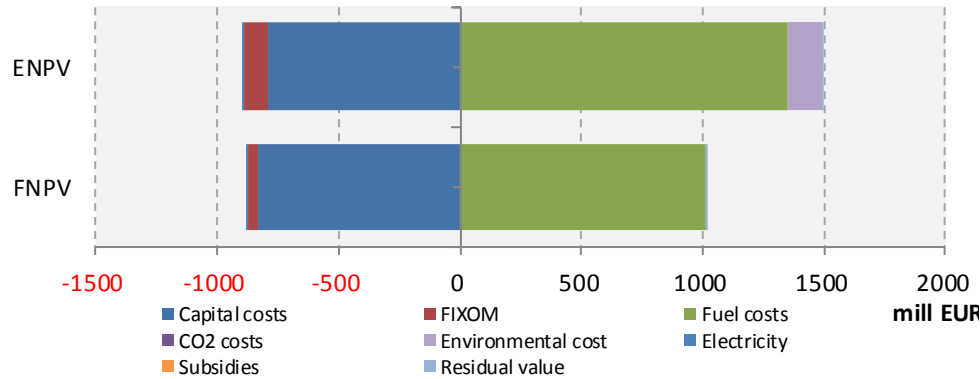
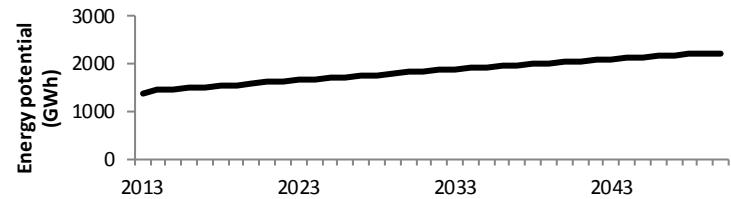
Alternative Scenario: Solar

System Boundary: Low energy demand areas

Energy demand of Residential - Single



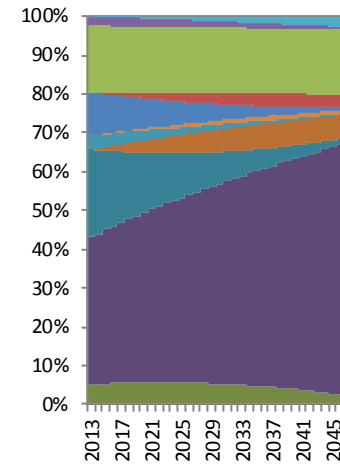
Technical potential of Solar panels fueled by Solar



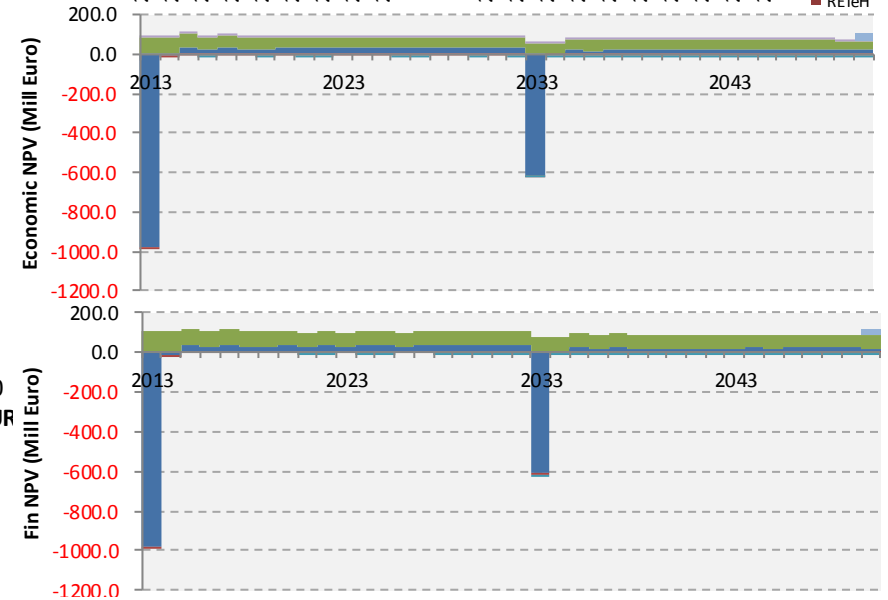
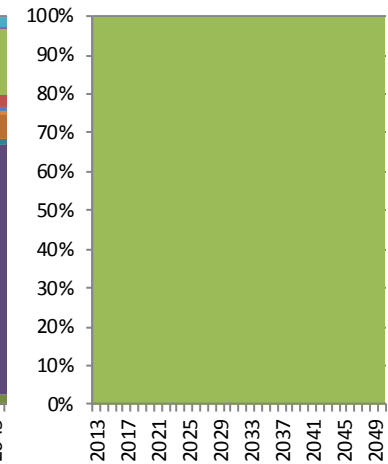
FNPV: 132.8 M€ **ENPV:** 610.4 M€

Solar panels

BASELINE



ALTERNATIVE



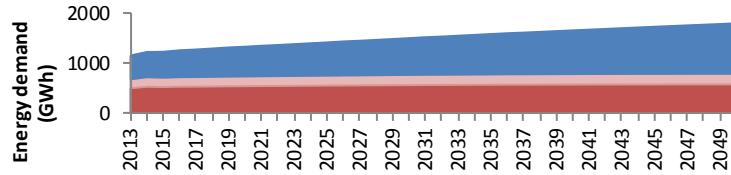
Sector: Residential **Single**

Alternative Scenario: Electricity

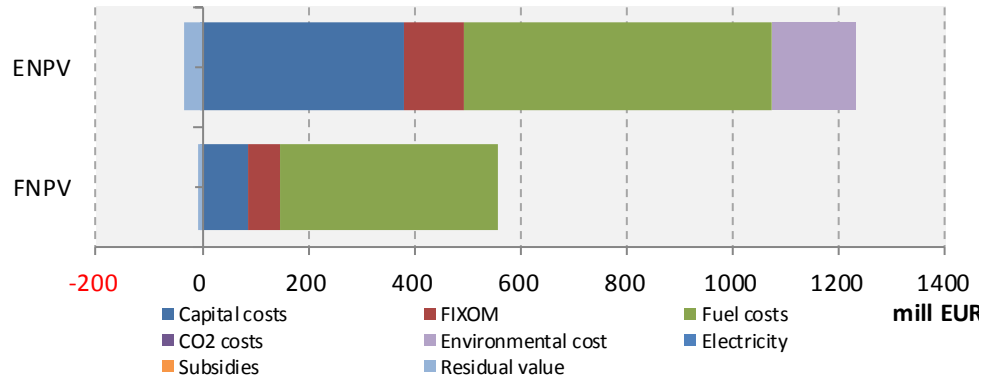
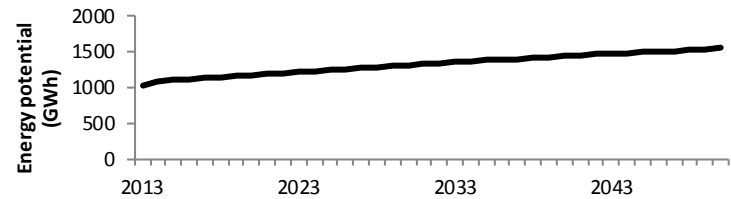
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Residential - Single

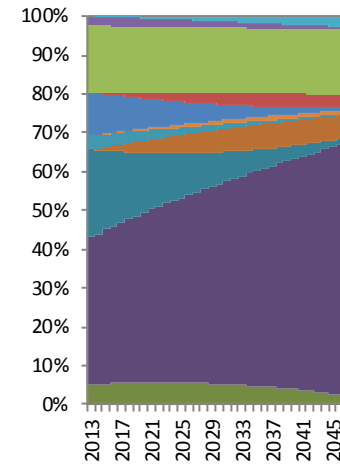


Technical potential of Split unit - Heat pumps fueled by Electricity

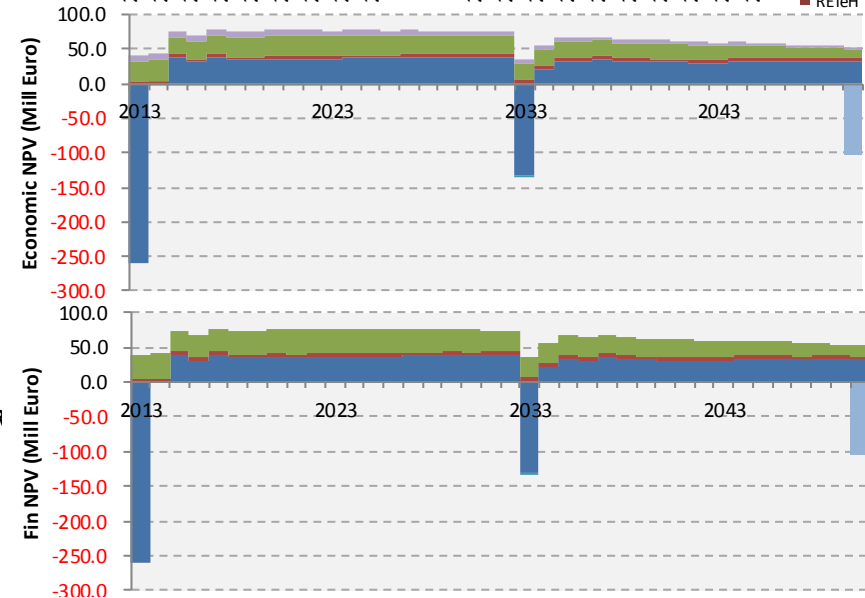
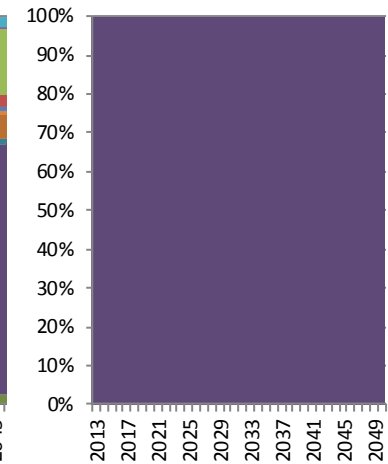


FNPV: 550.8 M€ **ENPV:** 1196.4 M€

BASELINE



ALTERNATIVE



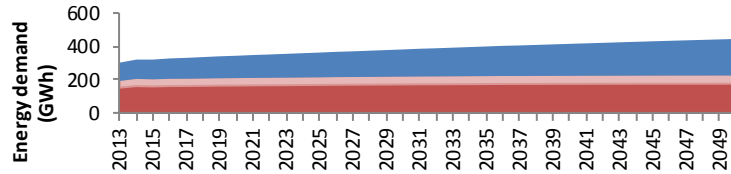
Sector: Residential

Row

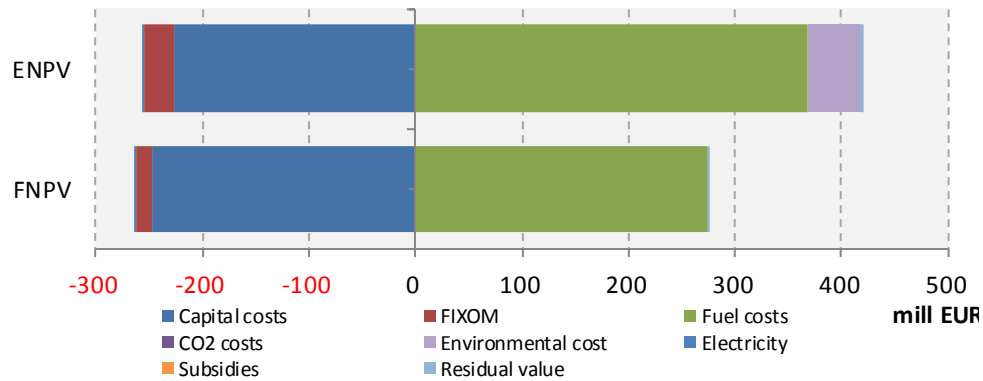
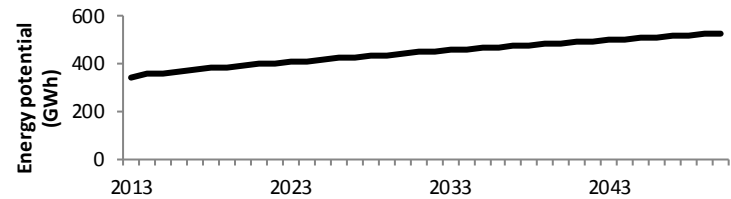
Alternative Scenario: Solar

System Boundary: Low energy demand areas

Energy demand of Residential - Row



Technical potential of Solar panels fueled by Solar

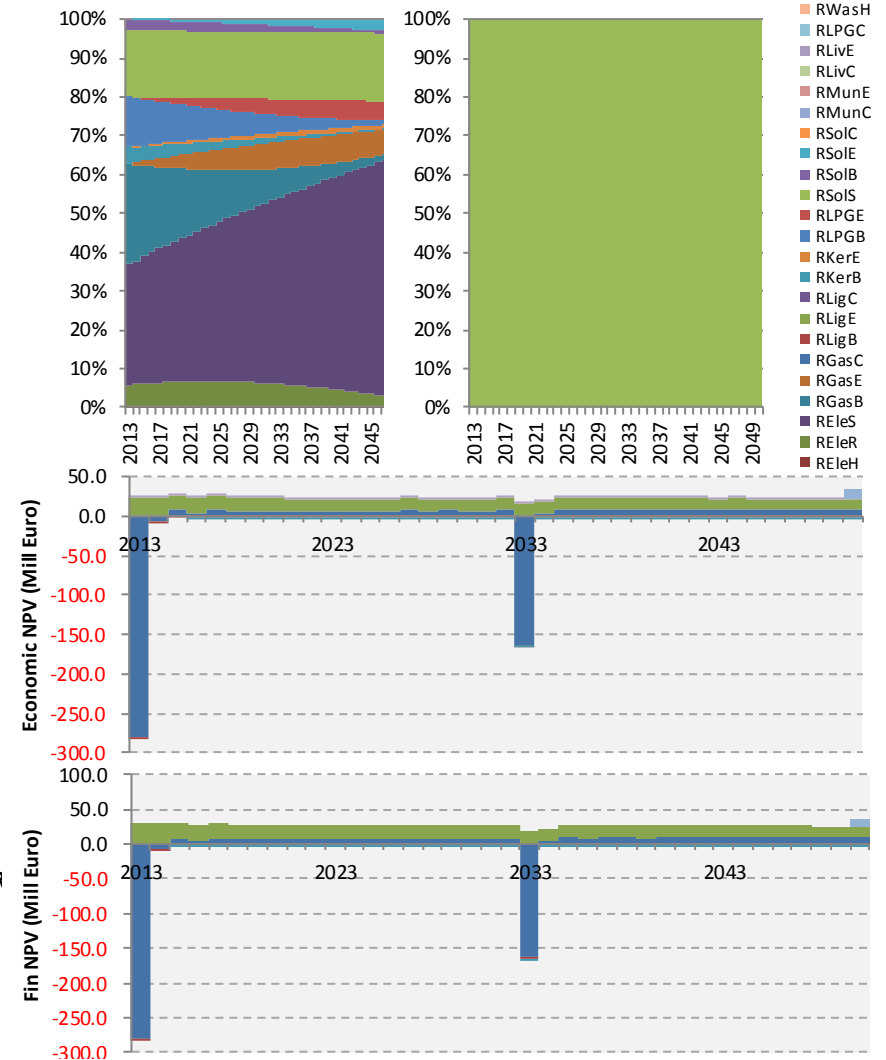


FNPV: 12.0 M€ ENPV: 165.3 M€

Solar panels

BASELINE

ALTERNATIVE



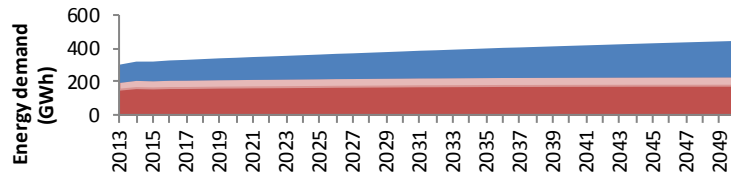
Sector: Residential **Row**

Alternative Scenario: Electricity

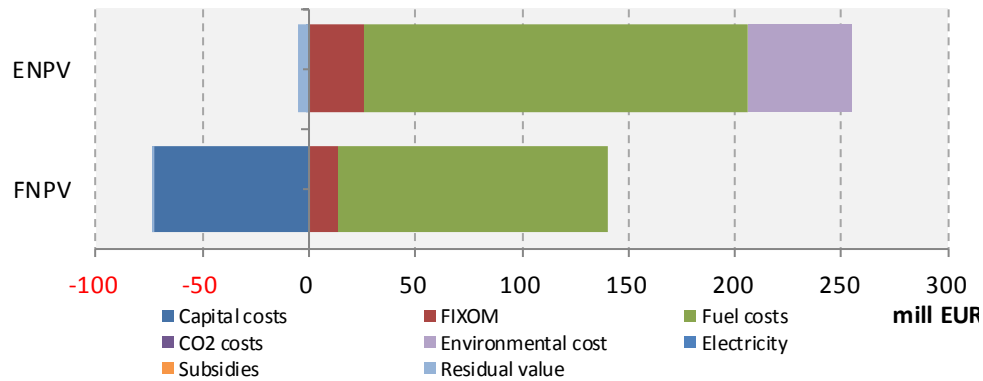
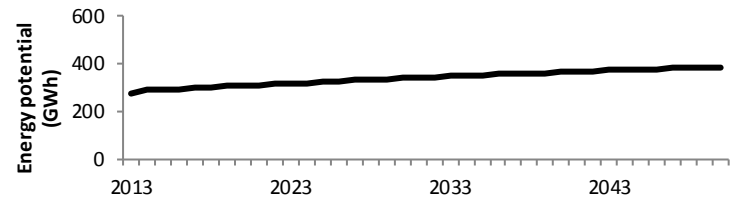
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Residential - Row



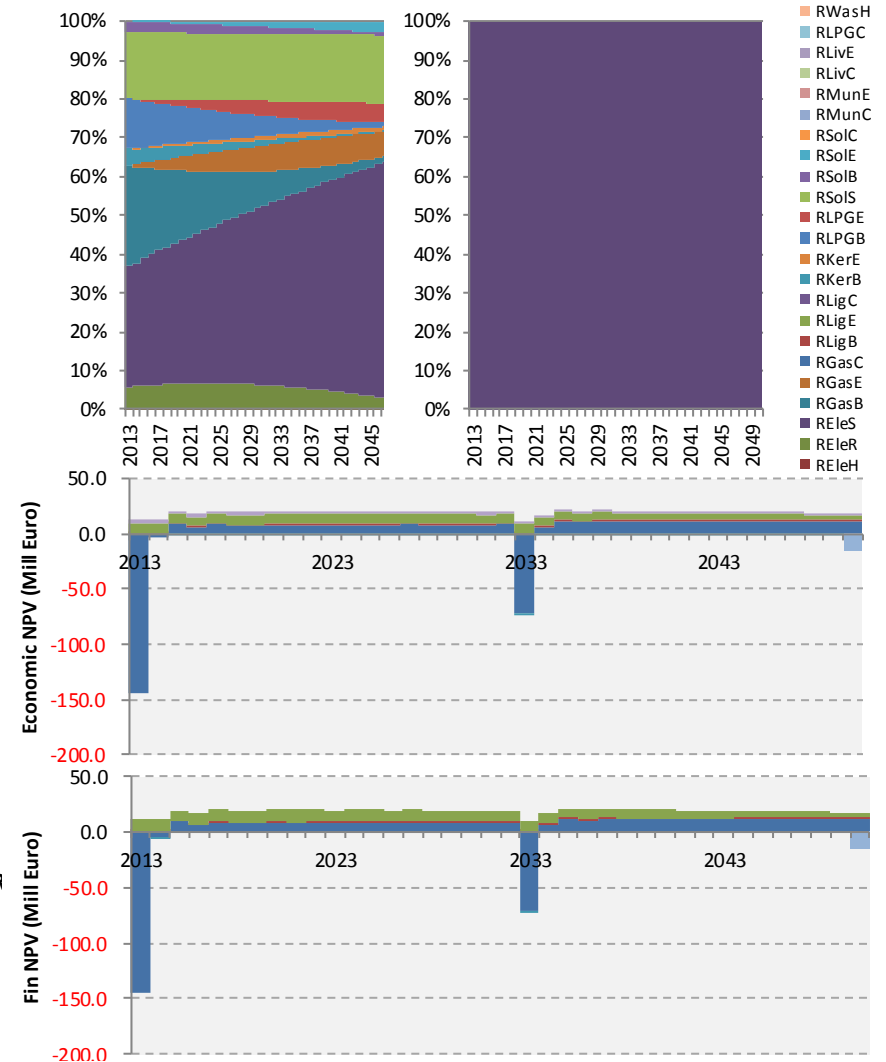
Technical potential of Split unit - Heat pumps fueled by Electricity



FNPV: 67.3 M€ **ENPV:** 248.7 M€

BASELINE

ALTERNATIVE



Sector: Service

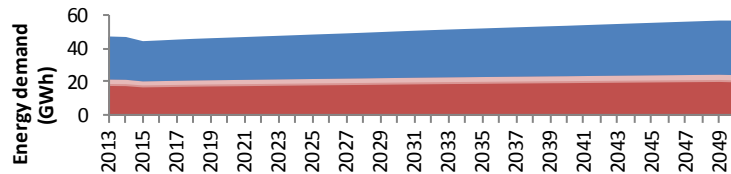
Schools

Alternative Scenario: Electricity

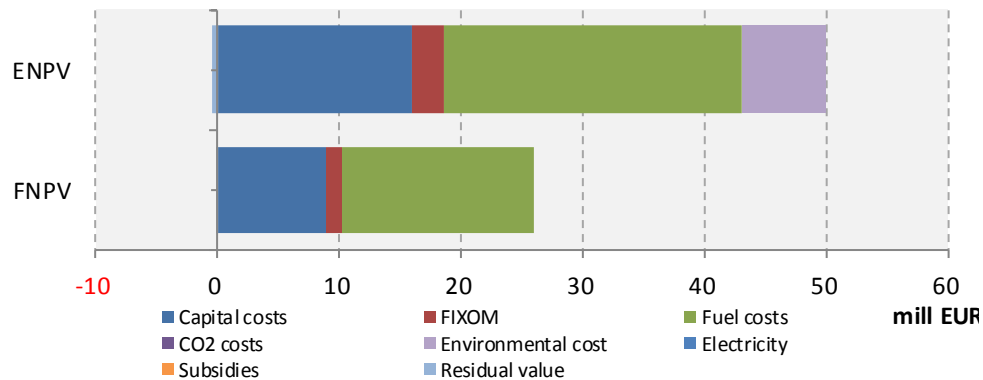
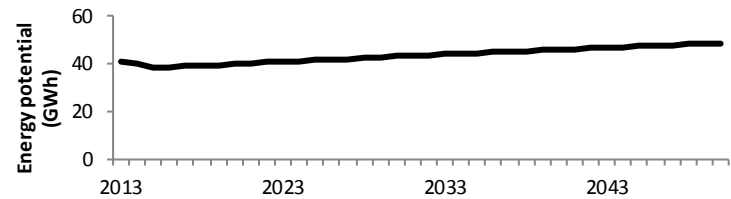
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Schools

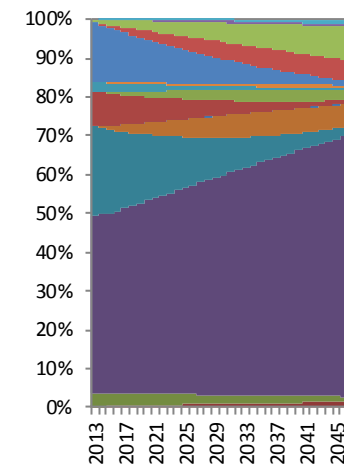


Technical potential of Split unit - Heat pumps fueled by Electricity

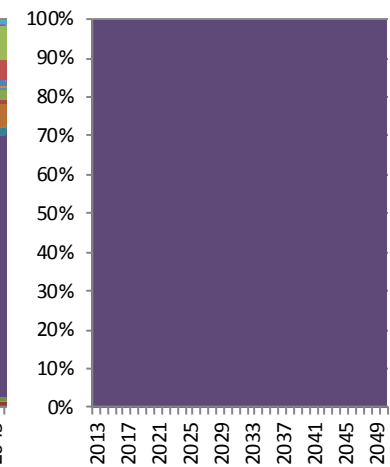


FNPV: 26.0 M€ **ENPV:** 49.5 M€

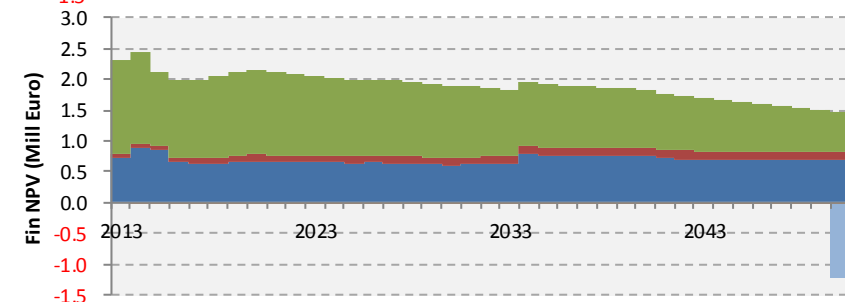
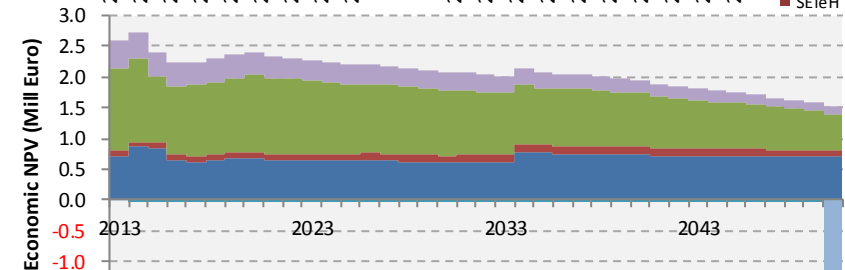
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
SLigE
SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



Sector: Service

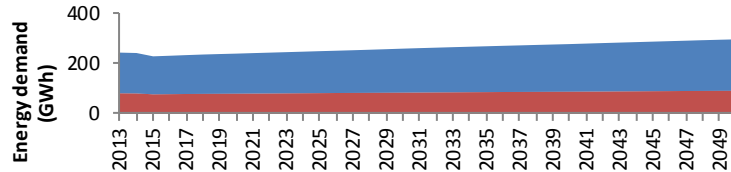
Offices

Alternative Scenario: Electricity

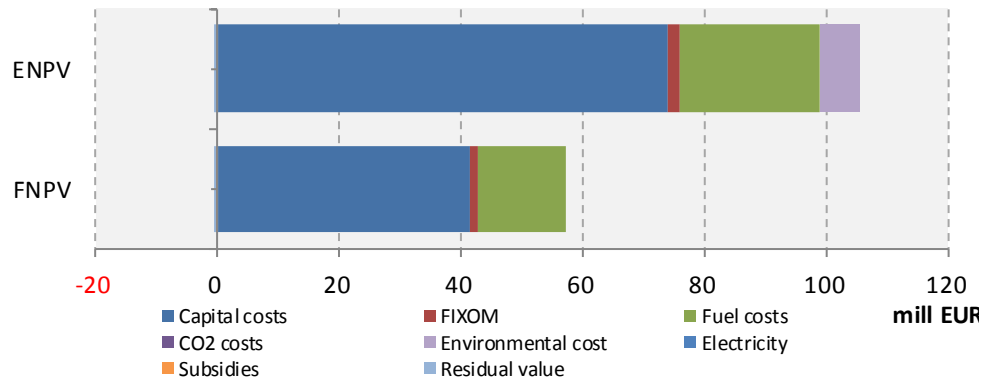
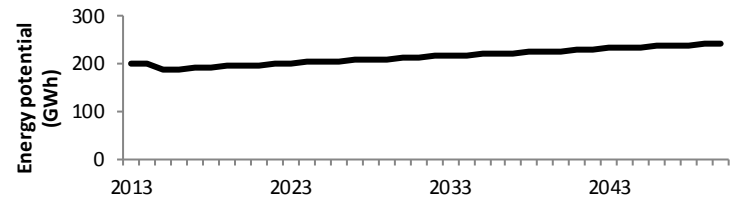
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Offices

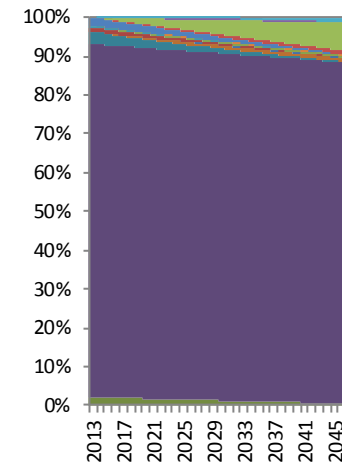


Technical potential of Split unit - Heat pumps fueled by Electricity

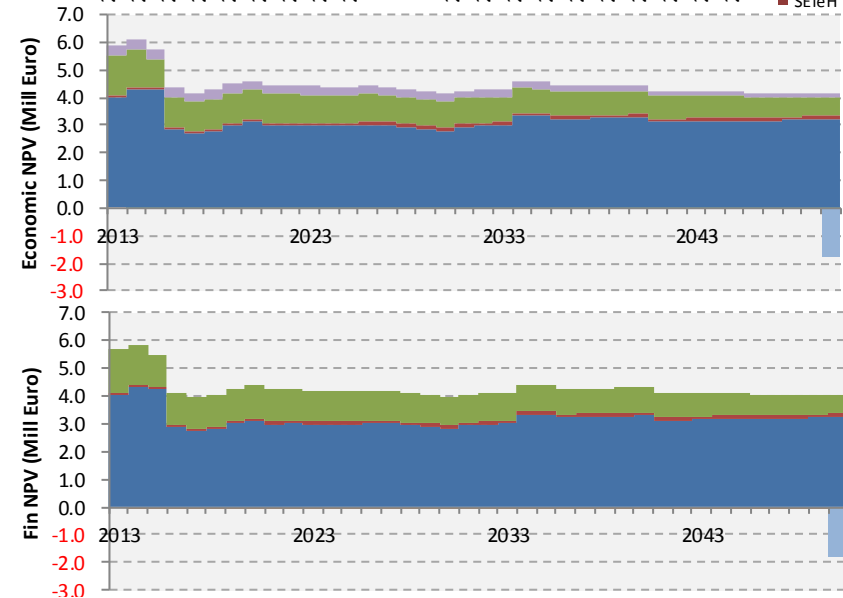
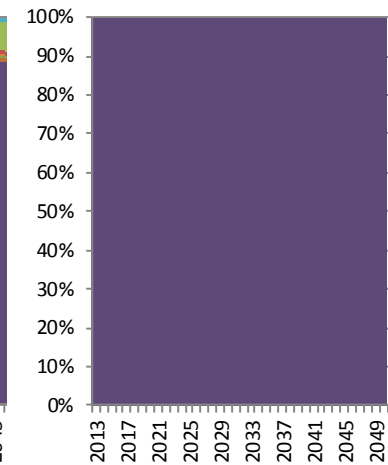


FNPV: 56.9 M€ **ENPV:** 104.5 M€

BASELINE



ALTERNATIVE



Sector: Service

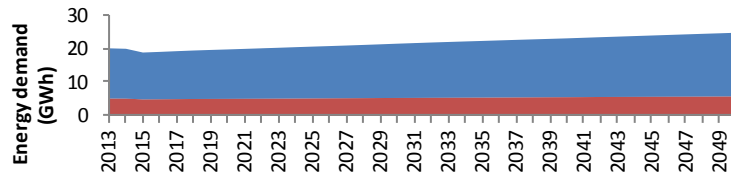
Airports

Alternative Scenario: Electricity

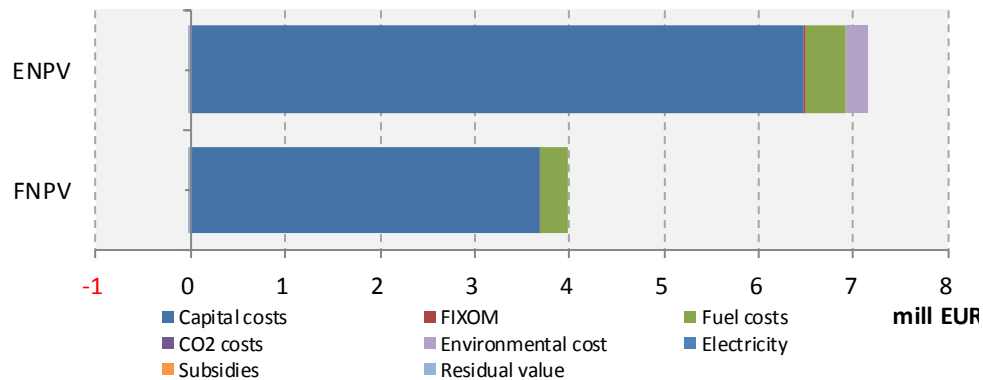
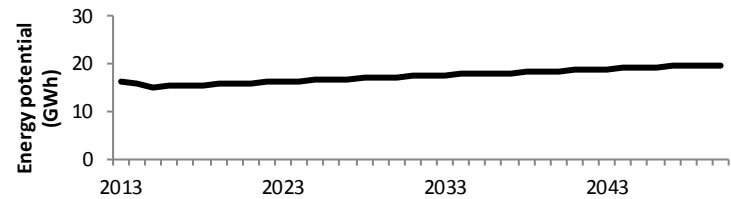
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Airports

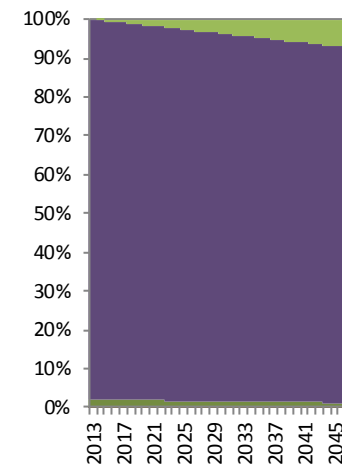


Technical potential of Split unit - Heat pumps fueled by Electricity

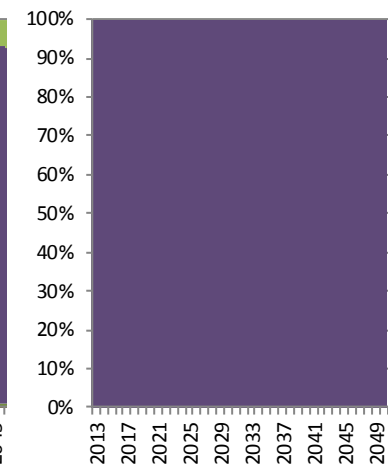


FNPV: 4.0 M€ **ENPV:** 7.1 M€

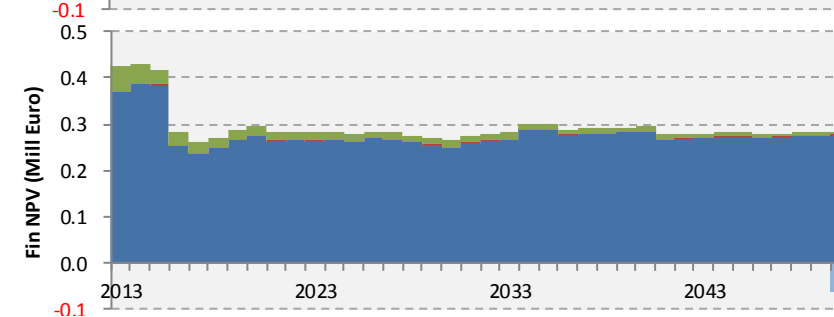
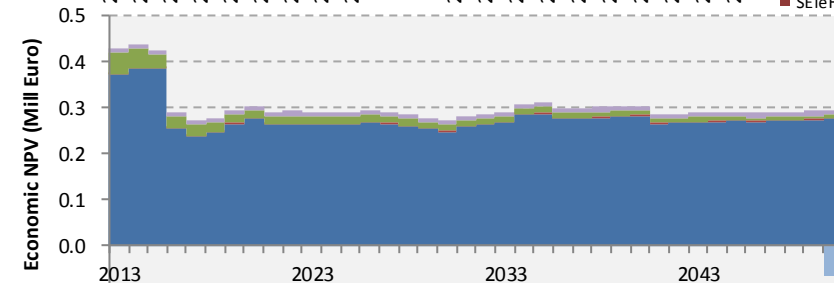
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
SLigE
SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



Sector: Service

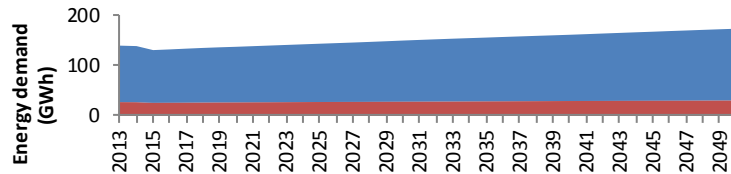
Shopping

Alternative Scenario: Electricity

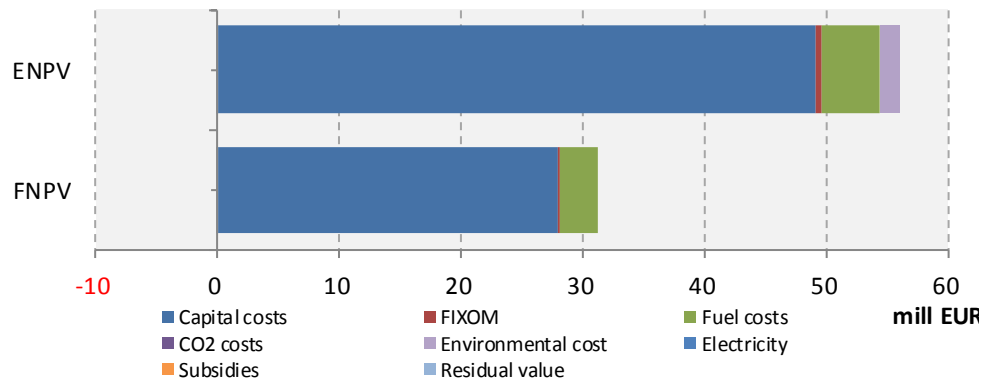
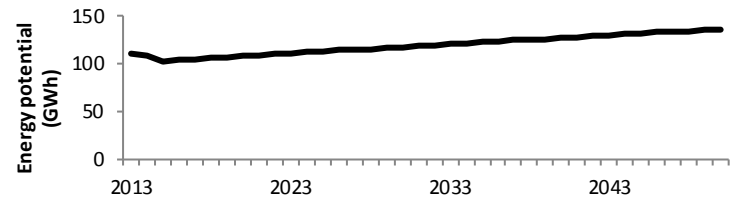
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Shopping

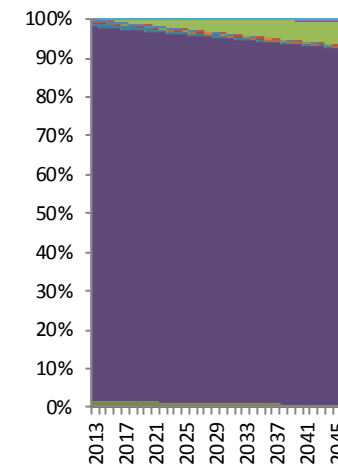


Technical potential of Split unit - Heat pumps fueled by Electricity

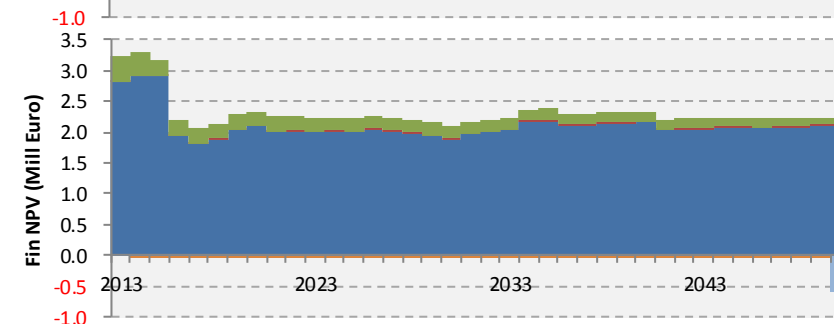
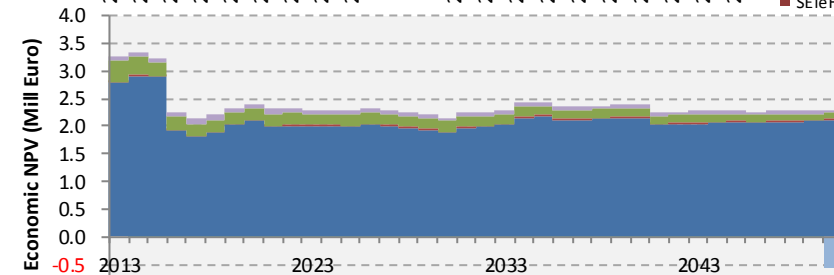
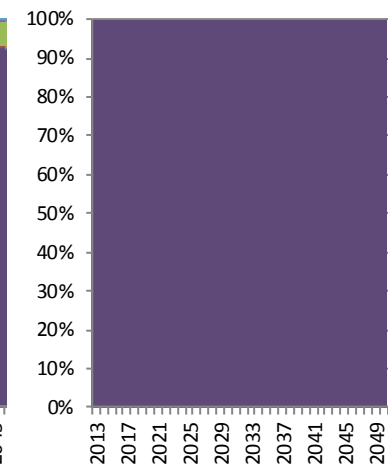


FNPV: 31.2 M€ **ENPV:** 55.8 M€

BASELINE



ALTERNATIVE



Sector: Service

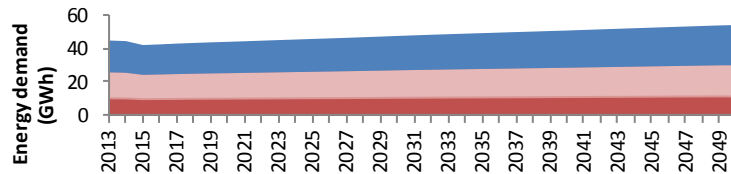
Healthcare

Alternative Scenario: Electricity

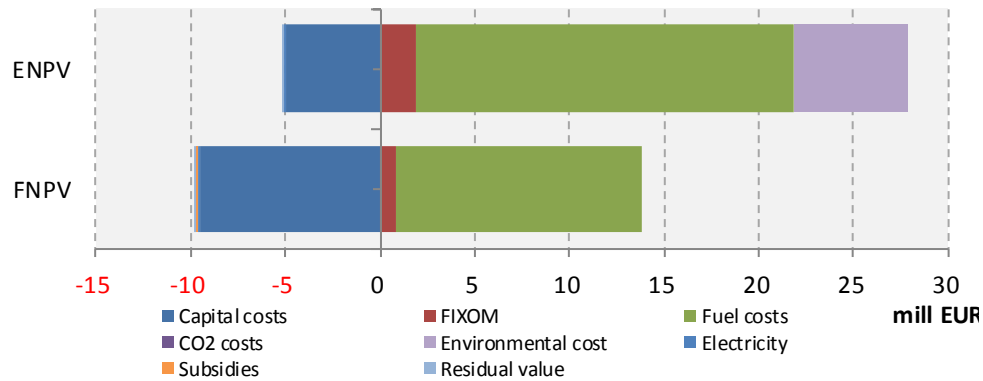
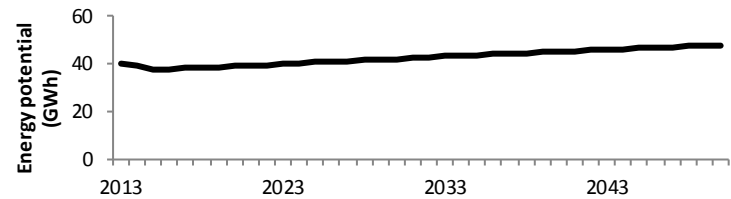
Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Healthcare

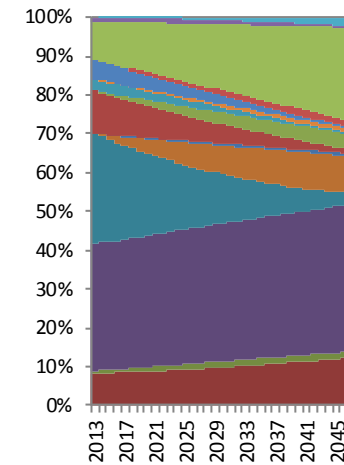


Technical potential of Heat pumps fueled by Electricity

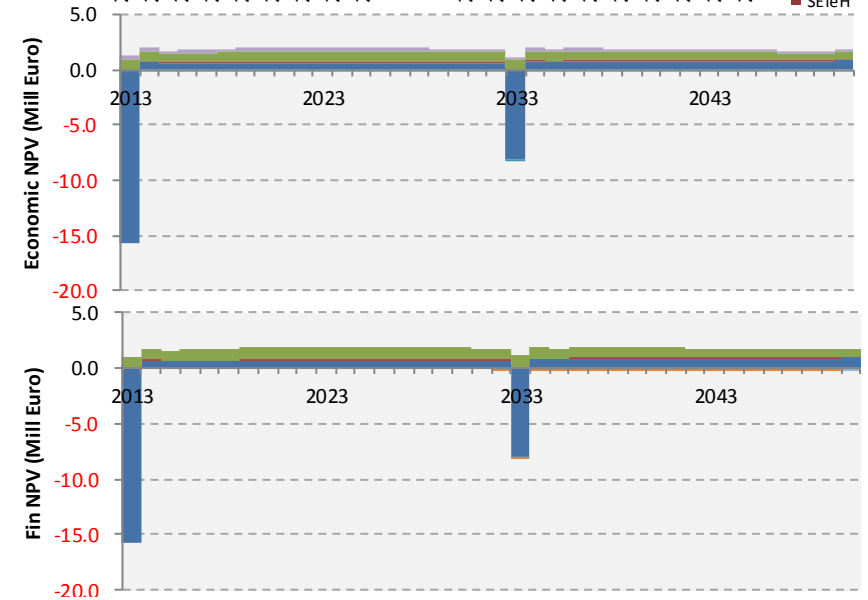
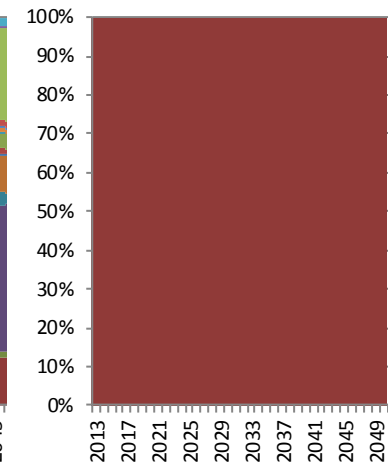


FNPV: 4.2 M€ ENPV: 22.7 M€

BASELINE



ALTERNATIVE



Sector: Service

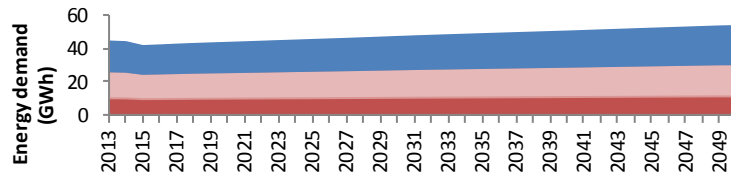
Healthcare

Alternative Scenario: Solar

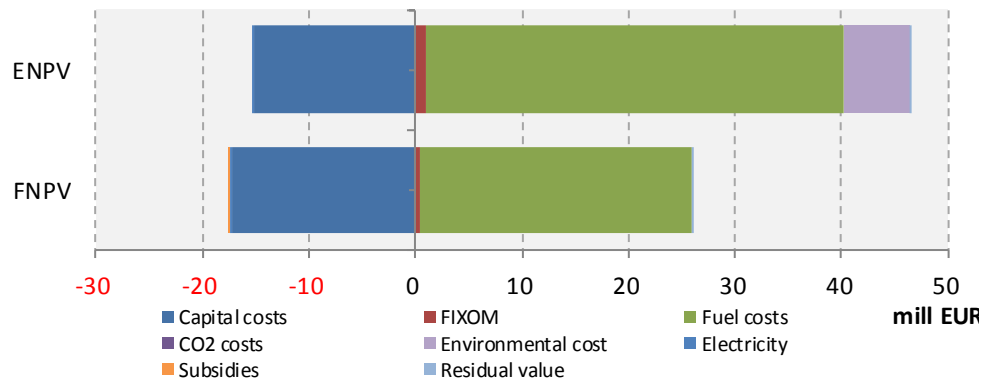
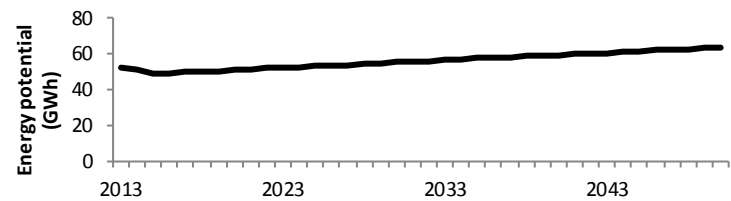
Solar panels

System Boundary: Low energy demand areas

Energy demand of Service - Healthcare

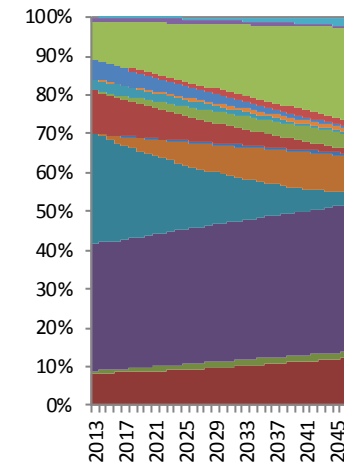


Technical potential of Solar panels fueled by Solar

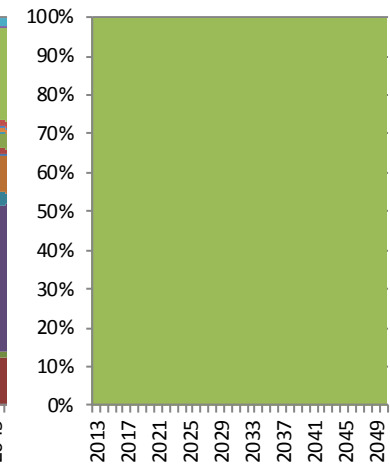


FNPV: 8.6 M€ ENPV: 31.3 M€

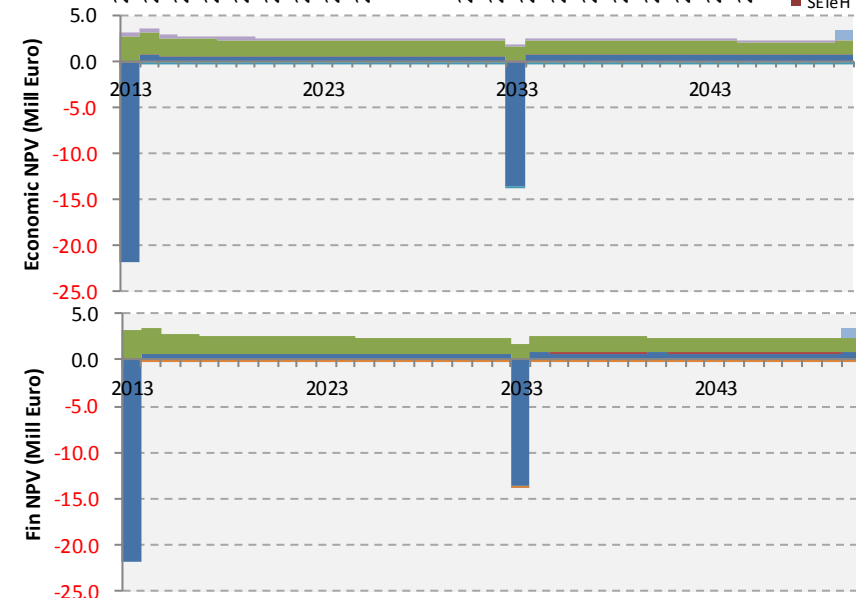
BASELINE



ALTERNATIVE



SWasH, SLPGC, SLivE, SLivC, SMunE, SMunC, SSolC, SSolE, SSolB, SSolS, SLPGE, SLPGB, SKerE, SKerB, SLigC, SLigE, SLigB, SGasC, SGasE, SGasB, SEleS, SEleR, SEleH



Sector: Service

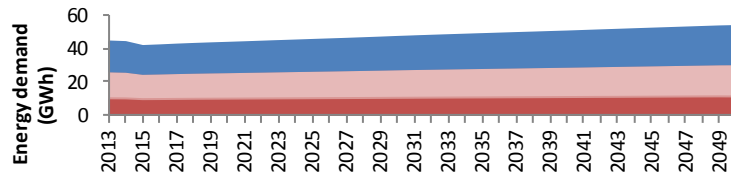
Healthcare

Alternative Scenario: Electricity

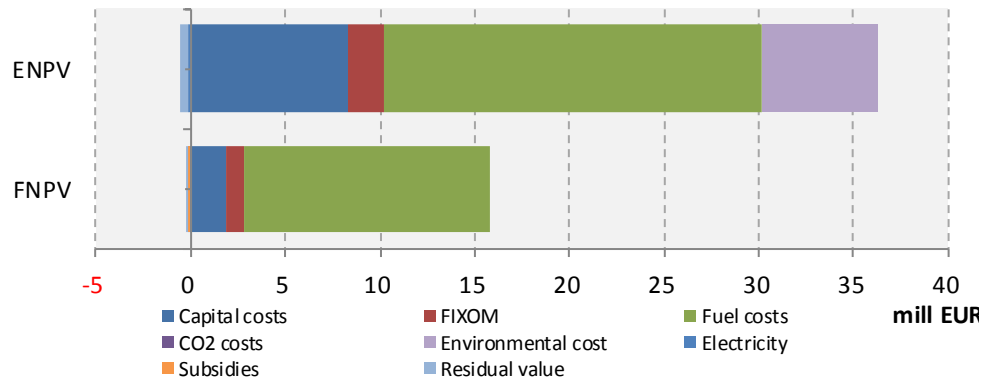
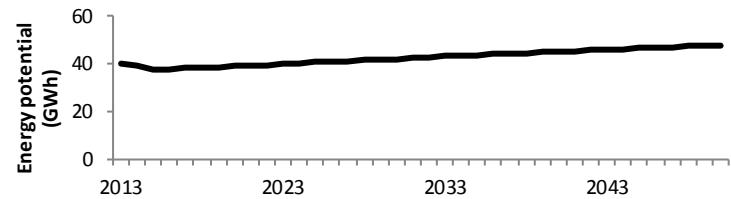
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Healthcare

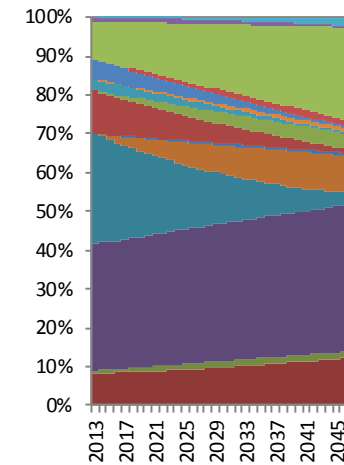


Technical potential of Split unit - Heat pumps fueled by Electricity

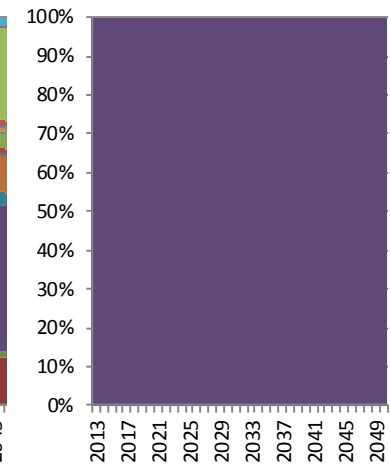


FNPV: 15.6 M€ **ENPV:** 35.7 M€

BASELINE



ALTERNATIVE



SWasH

SLPGC

SLivE

SLivC

SMunE

SMunC

SSolC

SSolE

SSolB

SSolS

SLPGE

SLPGB

SKerE

SKerB

SLigC

SLigE

SLigB

SGasC

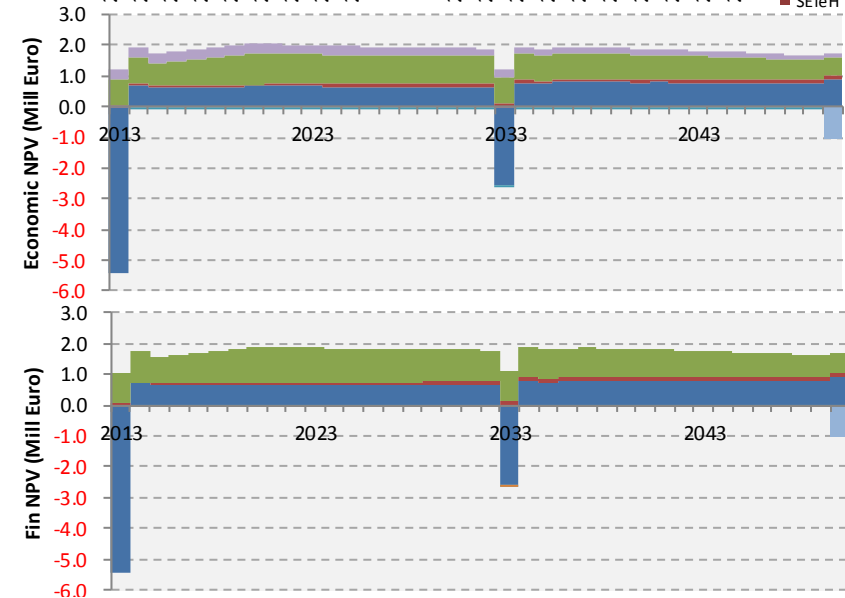
SGasE

SGasB

SEleS

SEleR

SEleH



Sector: Service

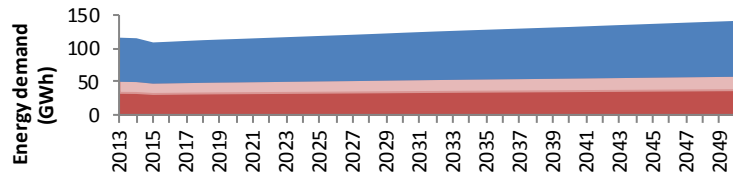
Catering

Alternative Scenario: Electricity

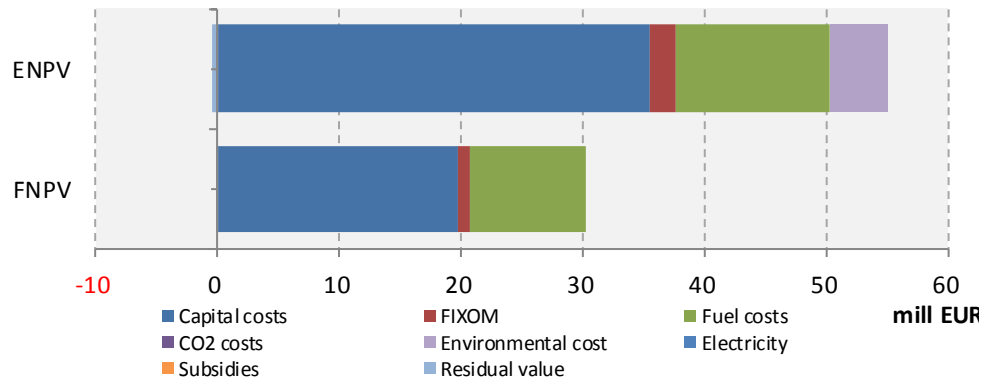
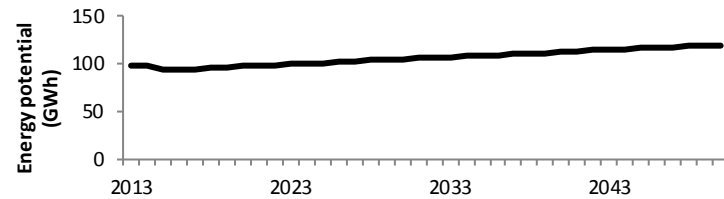
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Catering

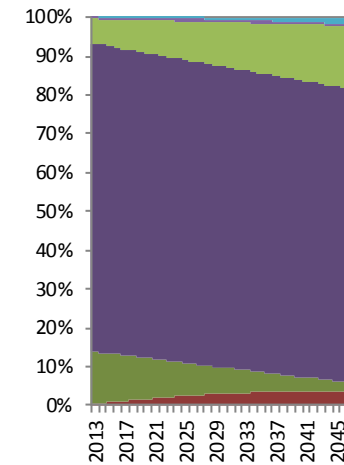


Technical potential of Split unit - Heat pumps fueled by Electricity

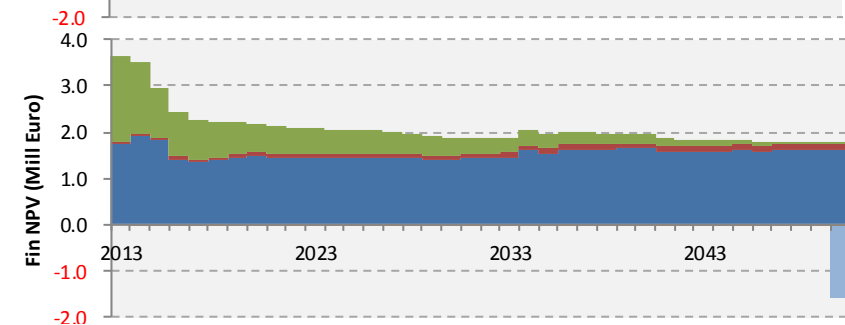
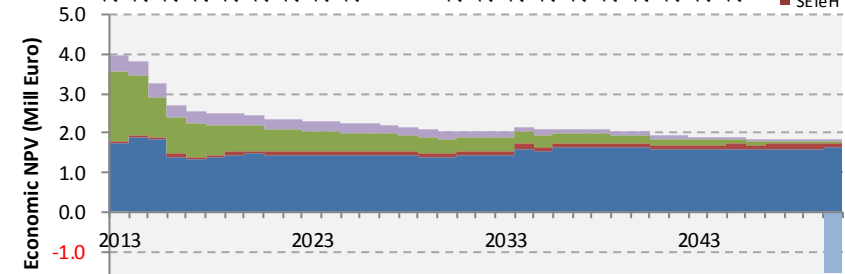
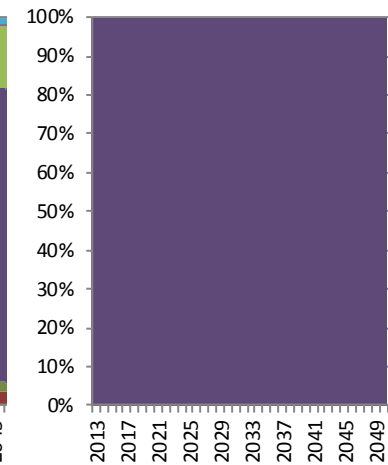


FNPV: 30.1 M€ **ENPV:** 54.5 M€

BASELINE



ALTERNATIVE



Sector: Service

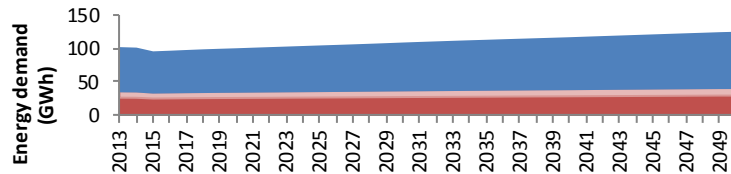
Other

Alternative Scenario: Electricity

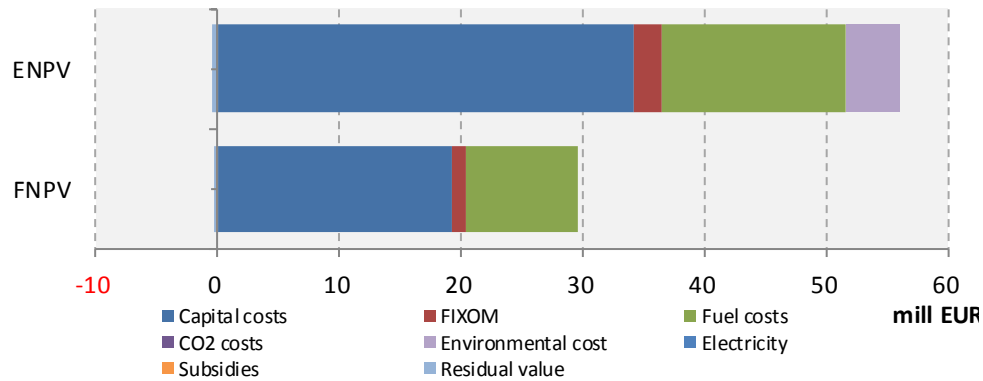
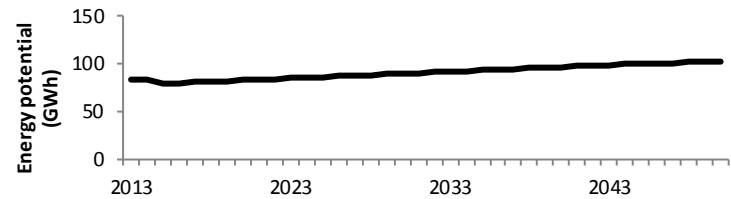
Split unit - Heat pumps

System Boundary: Low energy demand areas

Energy demand of Service - Other

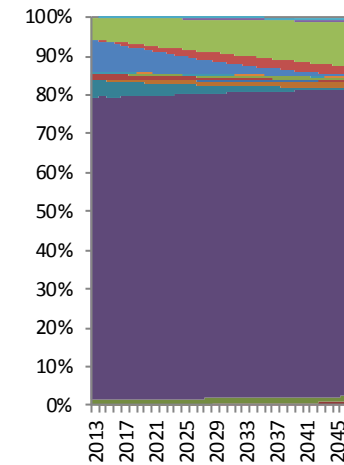


Technical potential of Split unit - Heat pumps fueled by Electricity

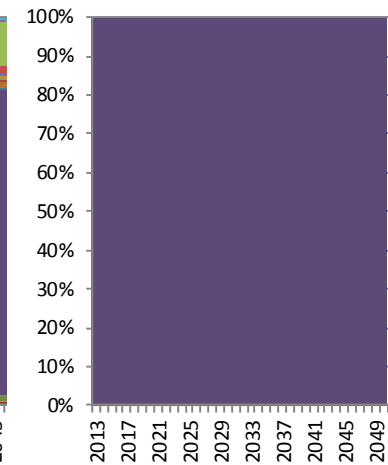


FNPV: 29.4 M€ ENPV: 55.6 M€

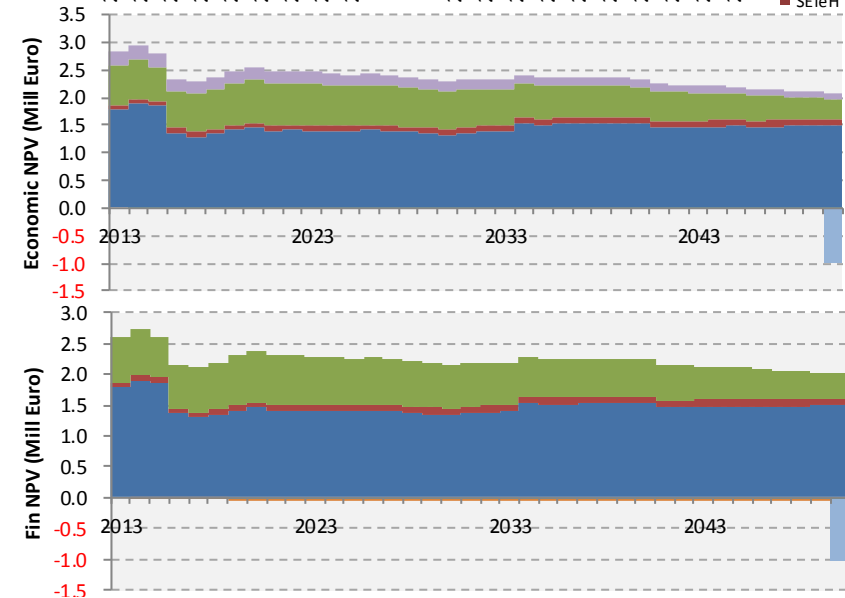
BASELINE



ALTERNATIVE



SWasH
SLPGC
SLivE
SLivC
SMunE
SMunC
SSolC
SSolE
SSolB
SSolS
SLPGE
SLPGB
SKerE
SKerB
SLigC
SLigE
SLigB
SGasC
SGasE
SGasB
SEleS
SEleR
SEleH



Sector: Industry

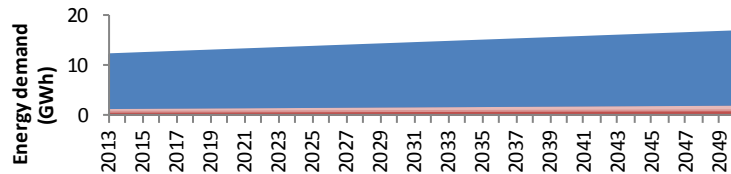
Other minerals

Alternative Scenario: Electricity

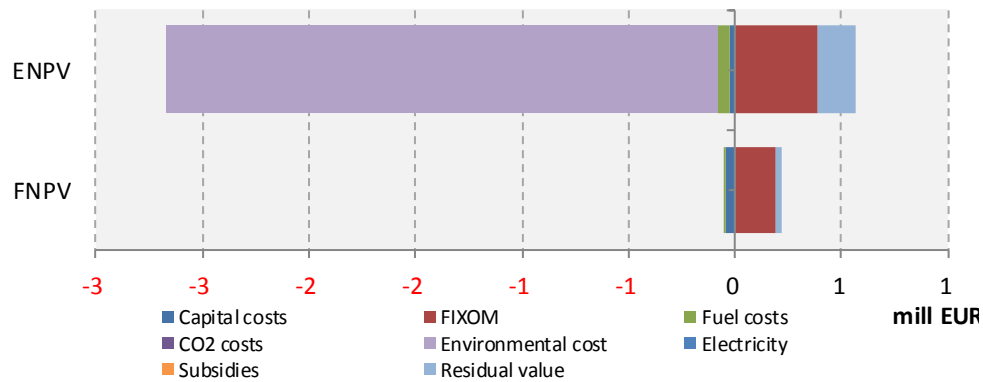
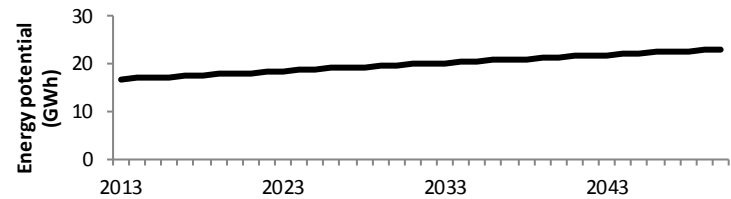
Resistance heaters

System Boundary: Low energy demand areas

Energy demand of Industry - Other minerals



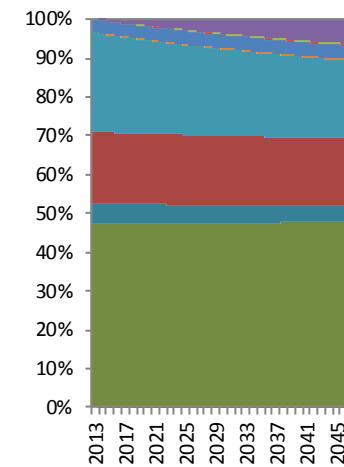
Technical potential of Resistance heaters fueled by Electricity



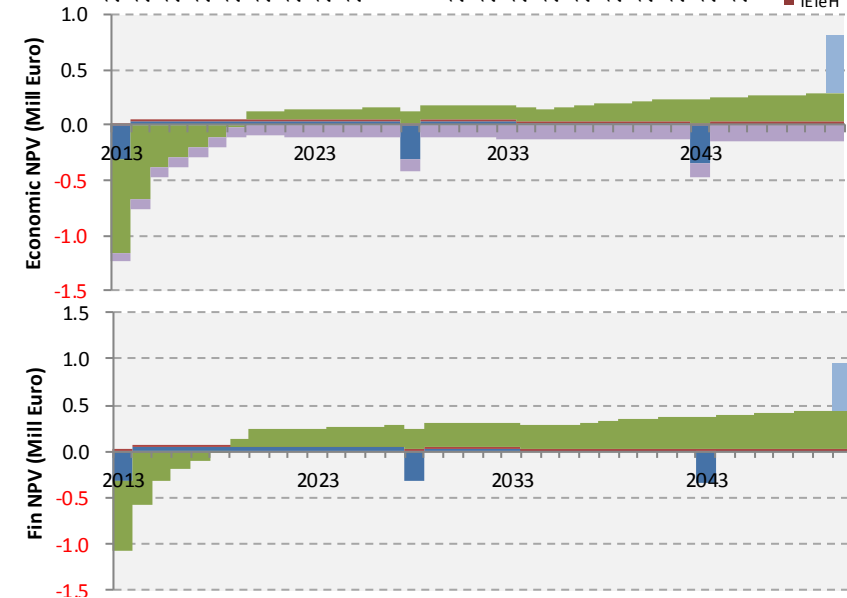
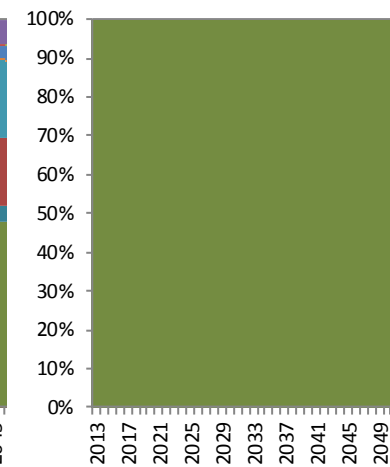
ENPV: -2.1 M€

0.2 M€

BASELINE



ALTERNATIVE



Sector: Industry

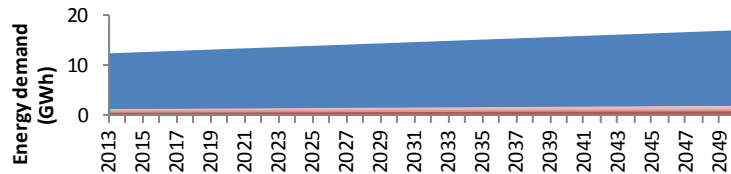
Other minerals

Alternative Scenario: Solar

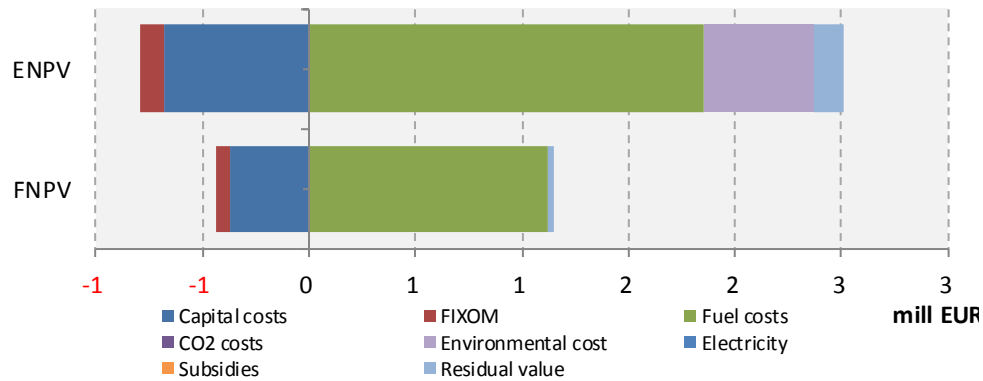
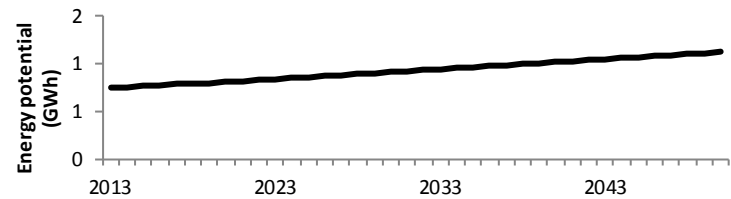
Solar panels

System Boundary: Low energy demand areas

Energy demand of Industry - Other minerals



Technical potential of Solar panels fueled by Solar

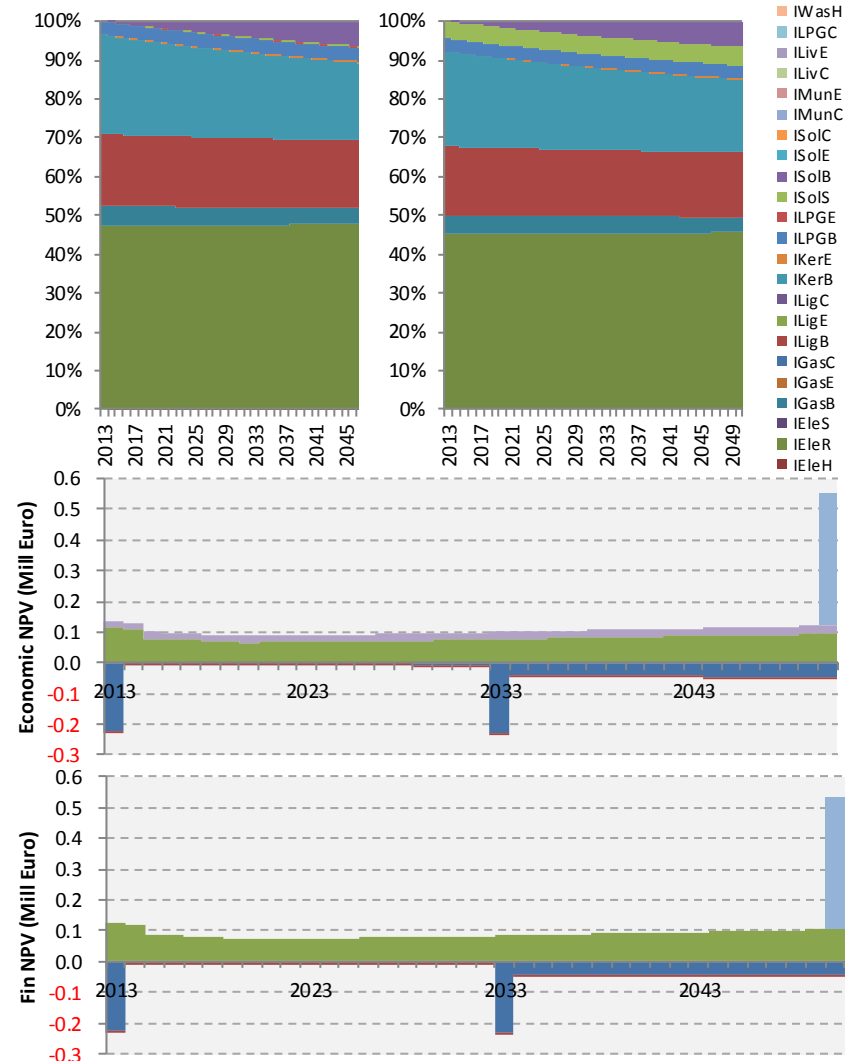


FNPV: 0.7 M€

ENPV: 1.7 M€

BASELINE

ALTERNATIVE



Sector: Industry

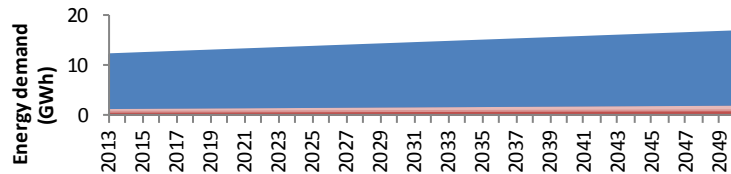
Other minerals

Alternative Scenario: Municipal waste

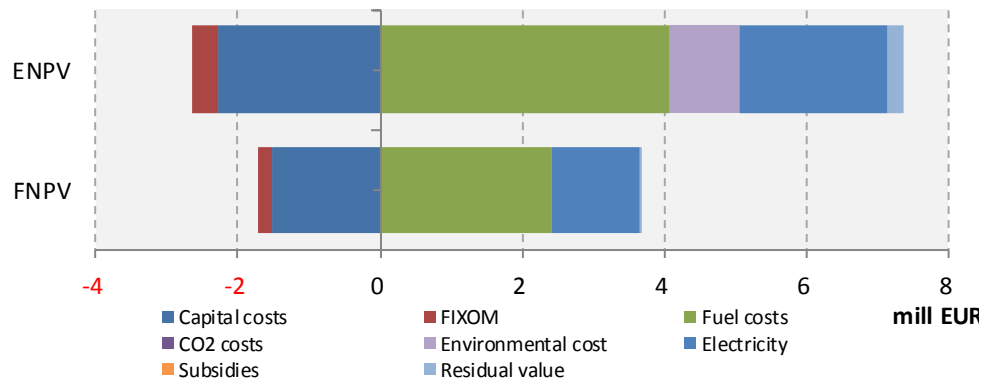
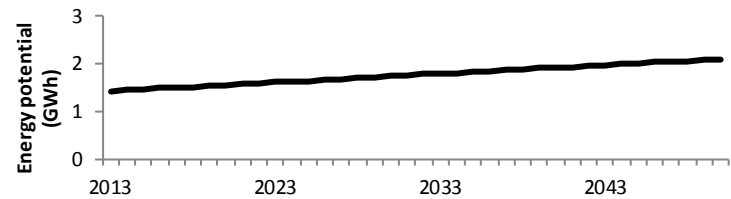
CHP

System Boundary: Low energy demand areas

Energy demand of Industry - Other minerals

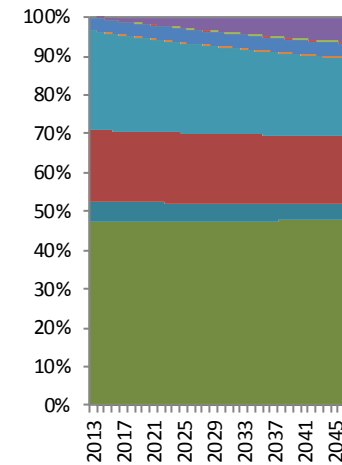


Technical potential of CHP fueled by Municipal waste

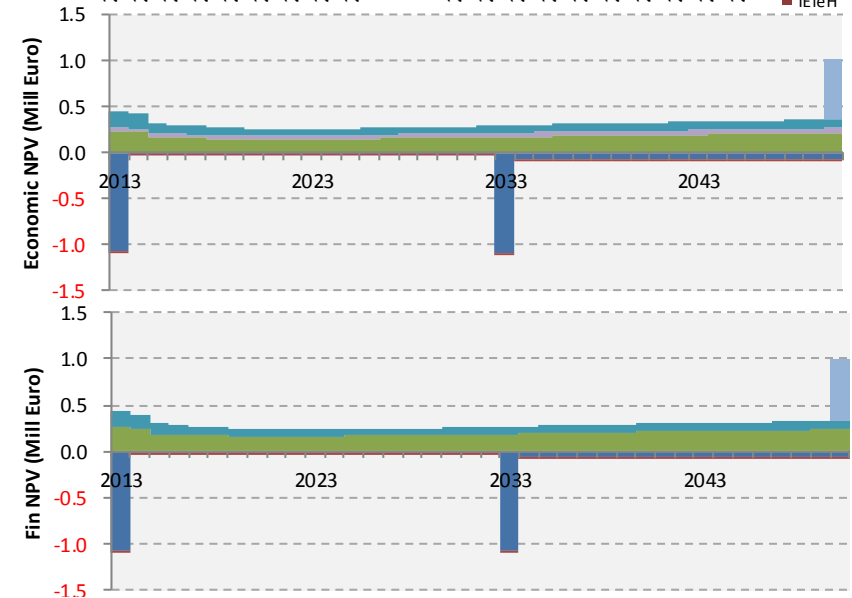
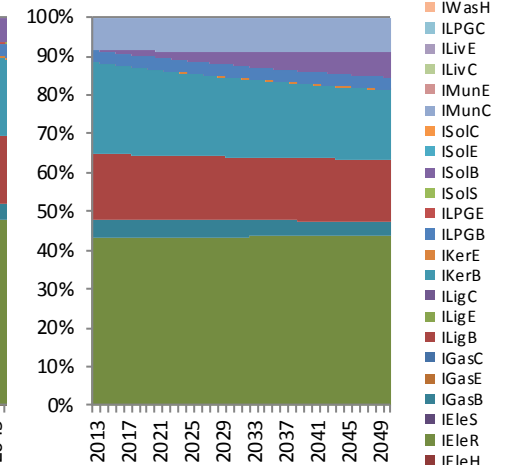


FNPV: 2.0 M€ ENPV: 4.7 M€

BASELINE



ALTERNATIVE



Sector: Industry

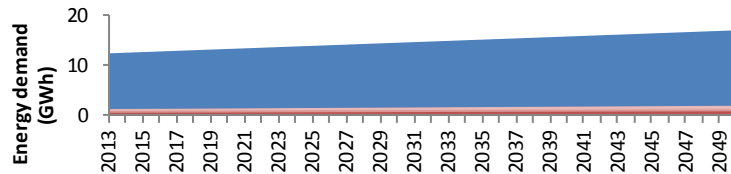
Other minerals

Alternative Scenario: Municipal waste

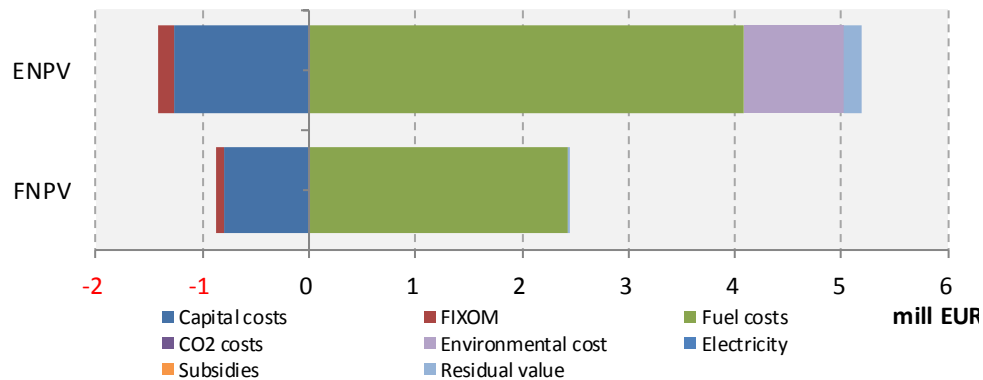
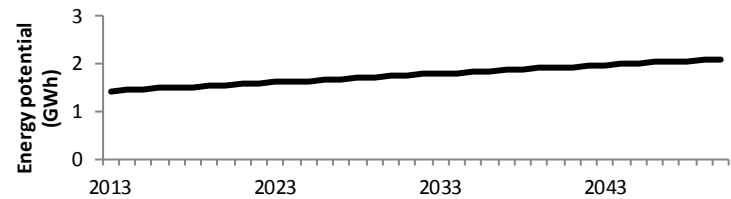
Efficient boilers

System Boundary: Low energy demand areas

Energy demand of Industry - Other minerals



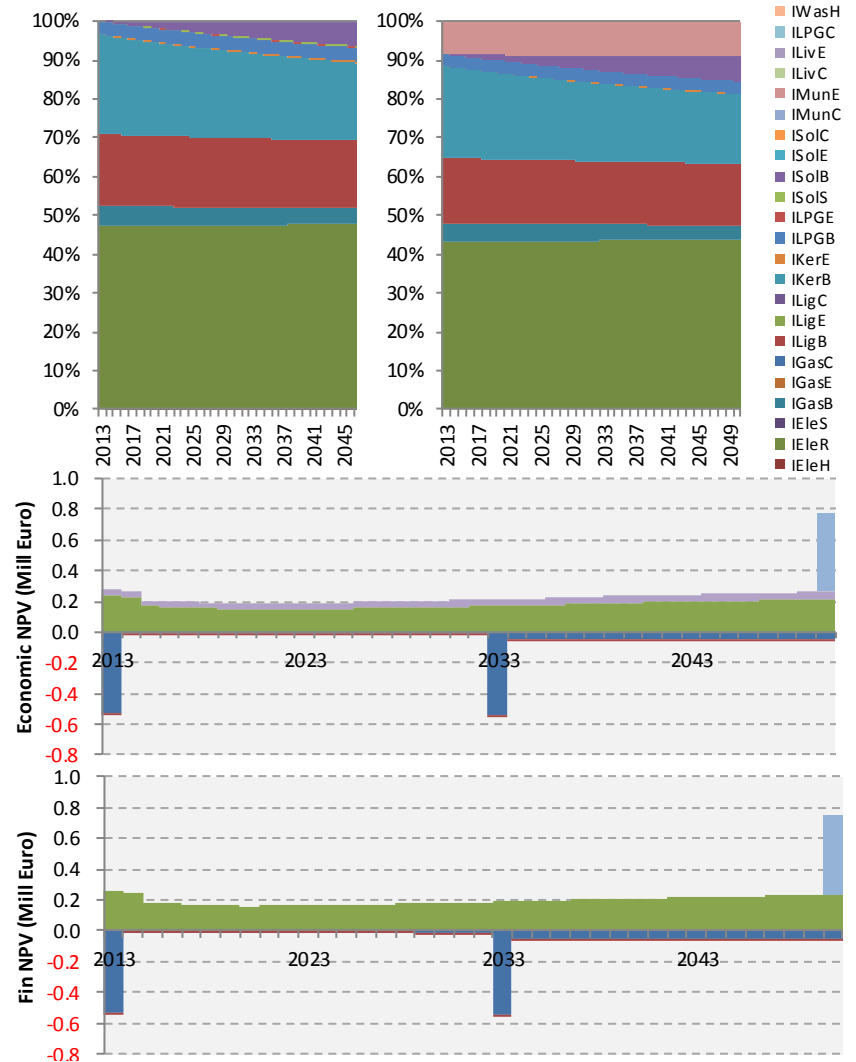
Technical potential of Efficient boilers fueled by Municipal waste



FNPV: 1.6 M€ **ENPV:** 3.8 M€

BASELINE

ALTERNATIVE



Sector: Industry

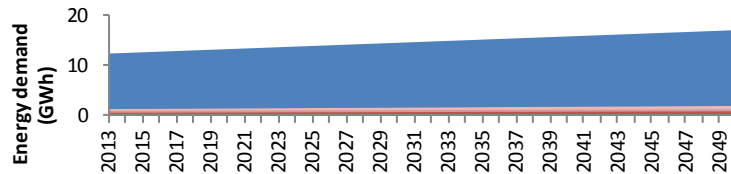
Cement

Alternative Scenario: Electricity

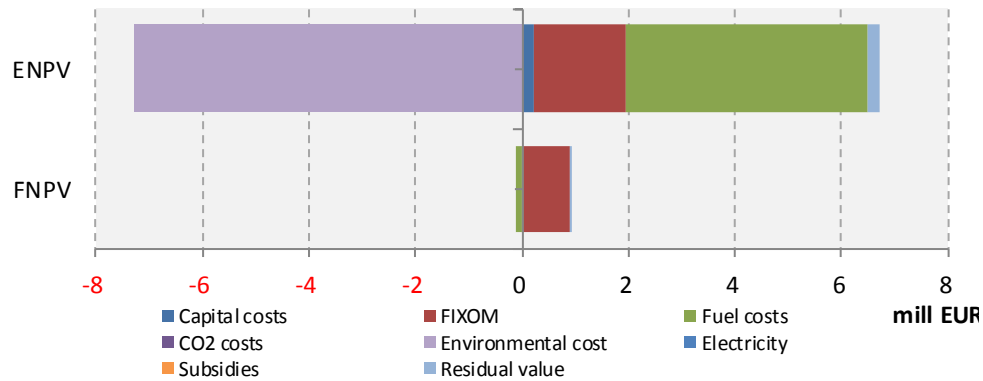
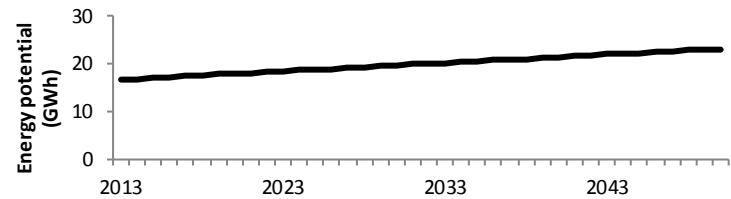
Resistance heaters

System Boundary: Low energy demand areas

Energy demand of Industry - Cement

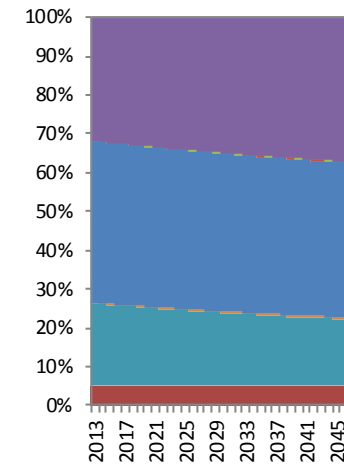


Technical potential of Resistance heaters fueled by Electricity

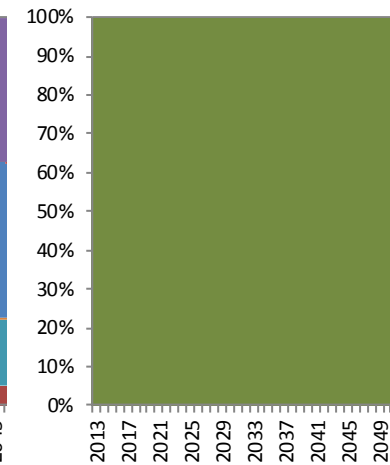


FPNPV: 0.8 M€ ENPV: -0.6 M€

BASELINE

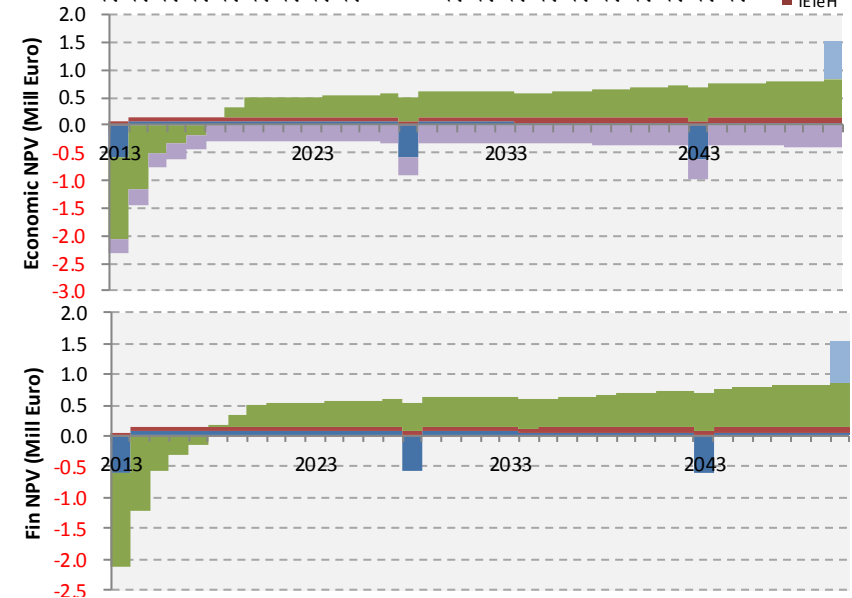


ALTERNATIVE



Economic NPV (Mill Euro)

Fin NPV (Mill Euro)



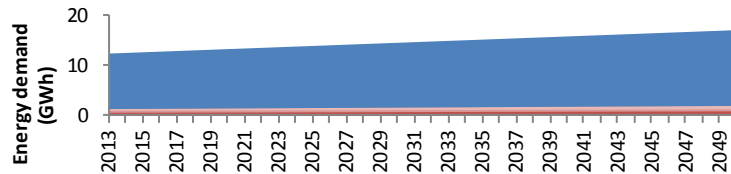
Sector: Industry

Cement

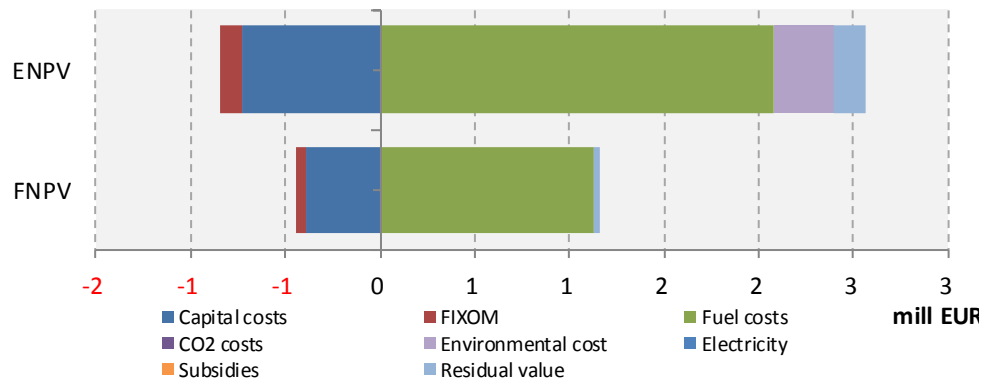
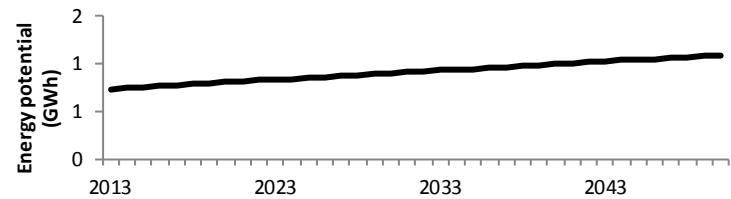
Alternative Scenario: Solar

System Boundary: Low energy demand areas

Energy demand of Industry - Cement



Technical potential of Solar panels fueled by Solar

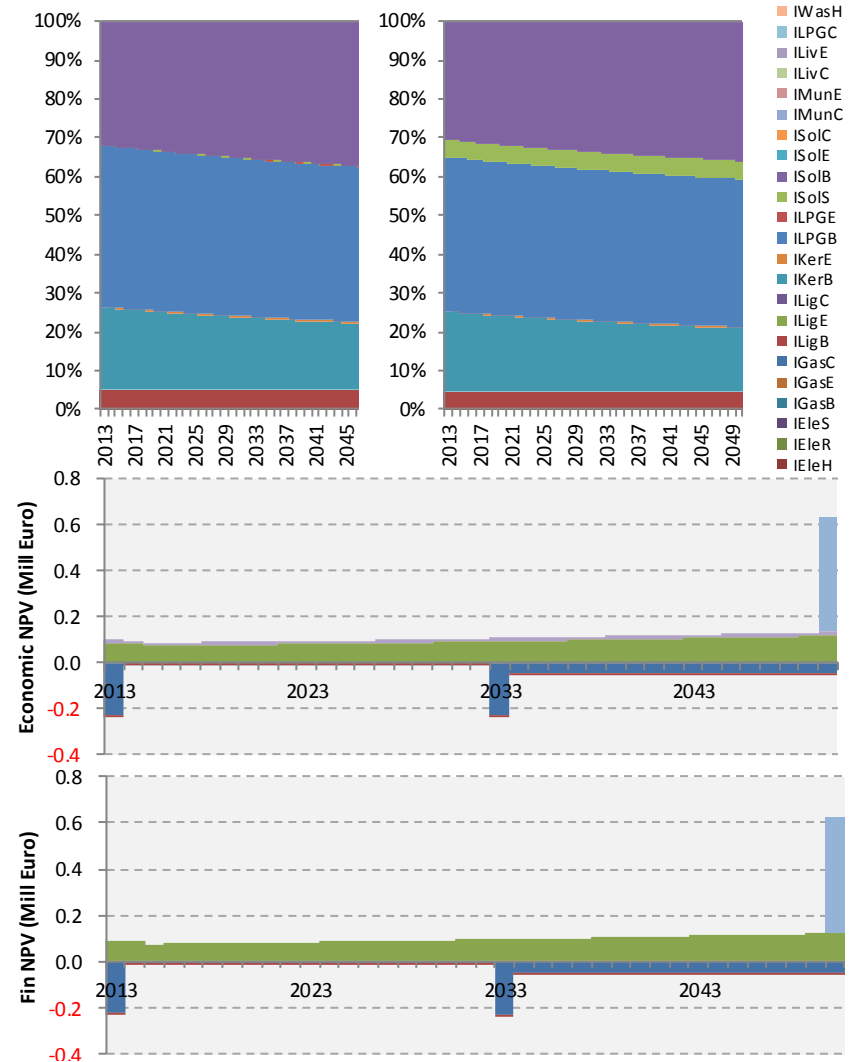


FPNPV: 0.7 M€ ENPV: 1.7 M€

Solar panels

BASELINE

ALTERNATIVE



Sector: Industry

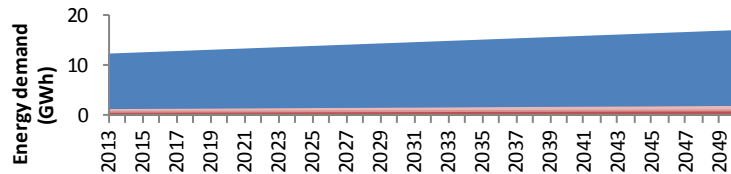
Cement

Alternative Scenario: Municipal waste

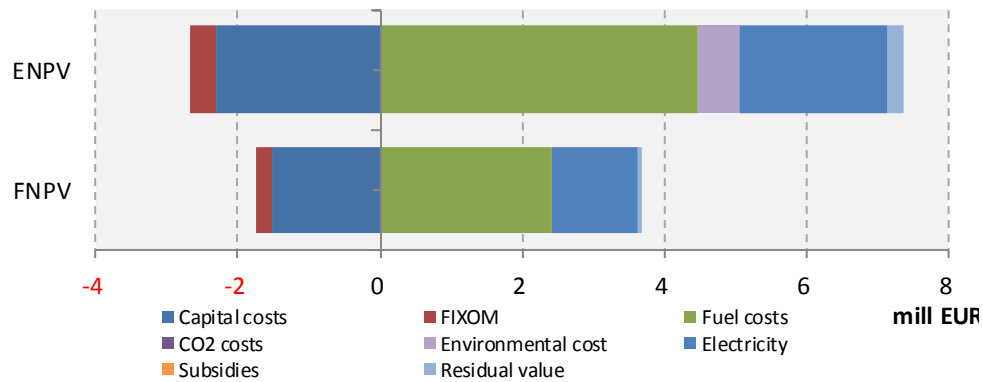
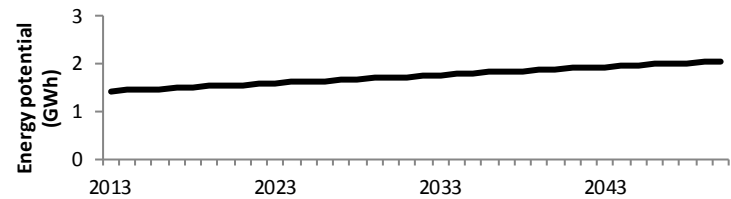
CHP

System Boundary: Low energy demand areas

Energy demand of Industry - Cement



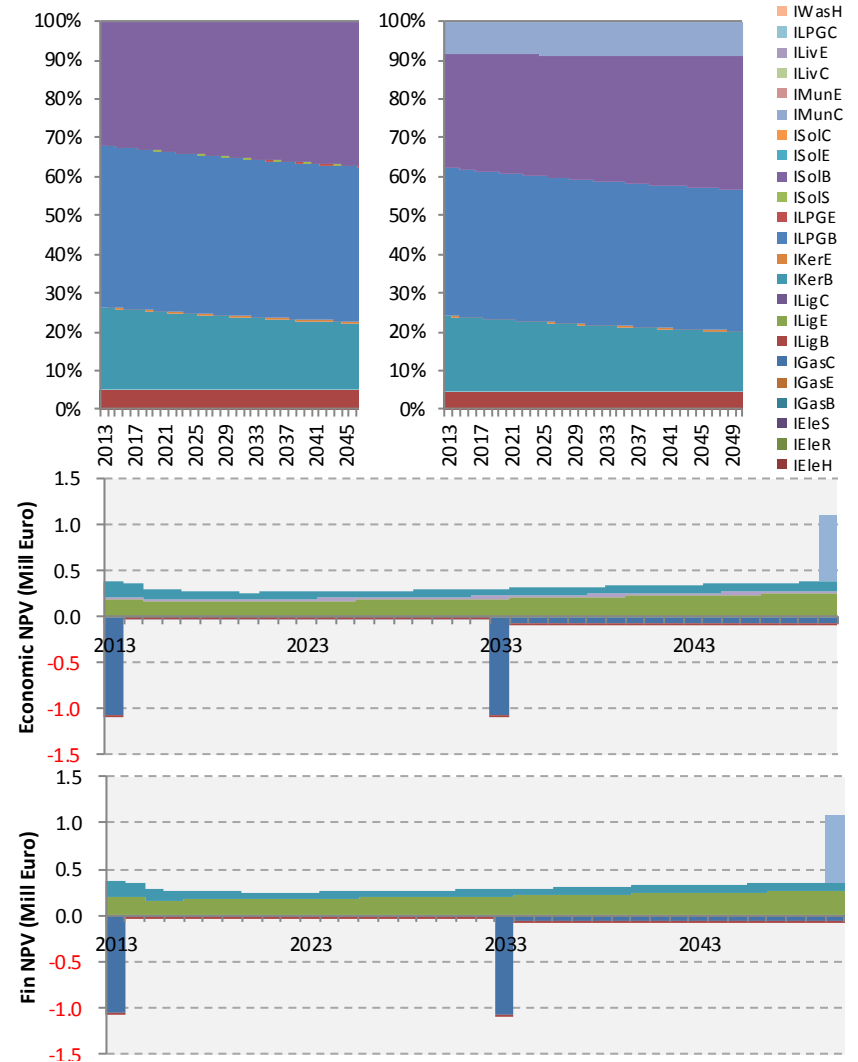
Technical potential of CHP fueled by Municipal waste



FNPV: 1.9 M€ ENPV: 4.7 M€

BASELINE

ALTERNATIVE



Sector: Industry

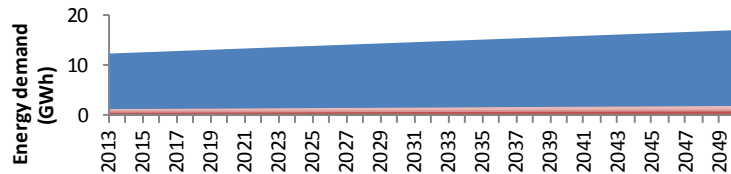
Cement

Alternative Scenario: Municipal waste

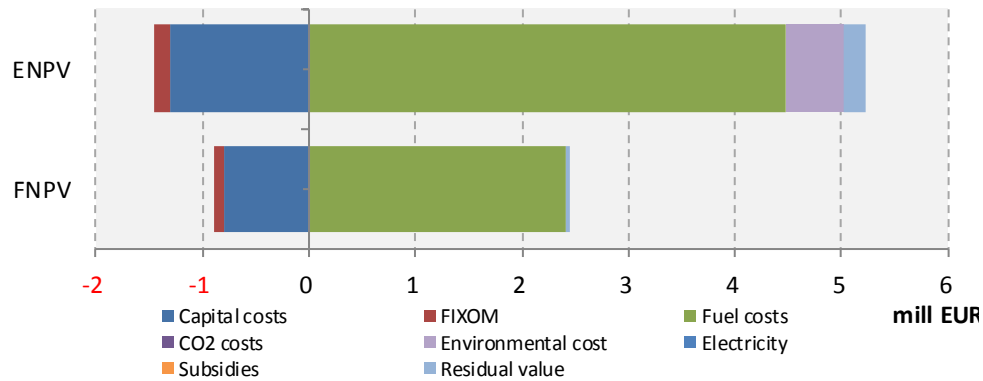
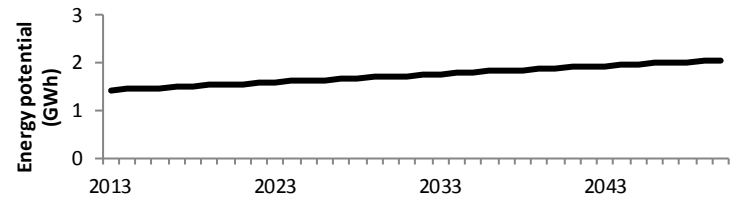
Efficient boilers

System Boundary: Low energy demand areas

Energy demand of Industry - Cement



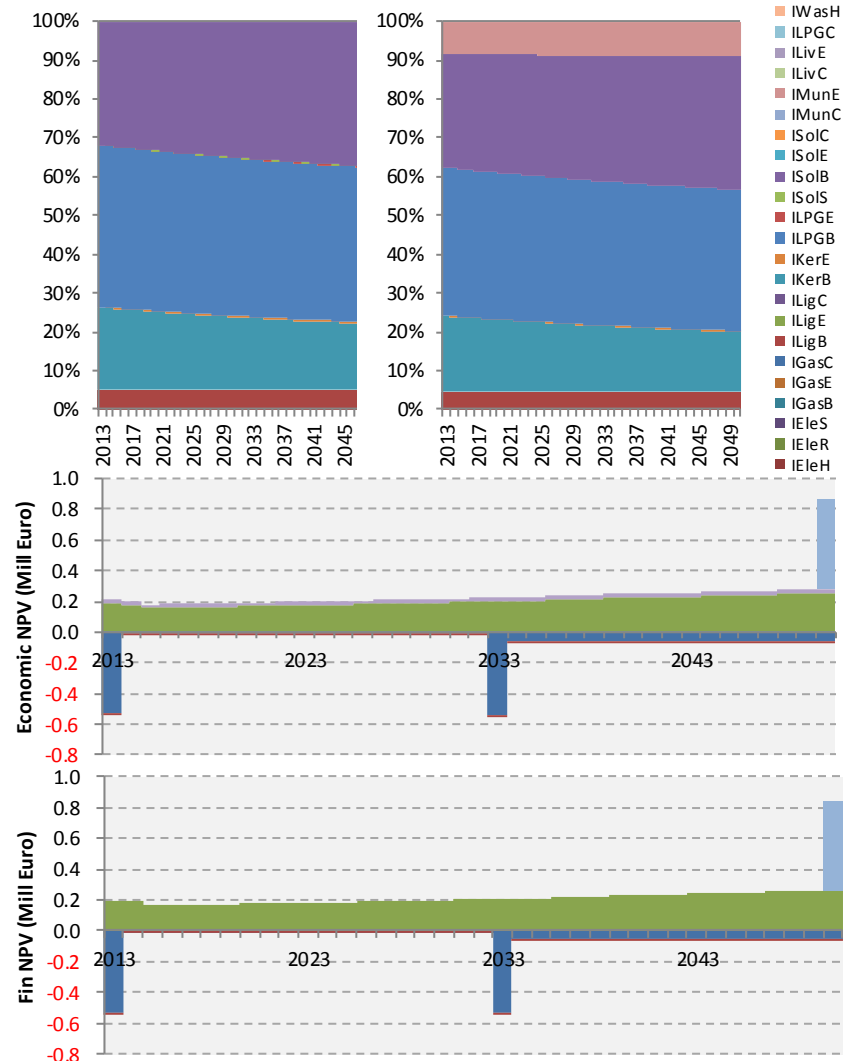
Technical potential of Efficient boilers fueled by Municipal waste



FNVP: 1.6 M€ ENPV: 3.8 M€

BASELINE

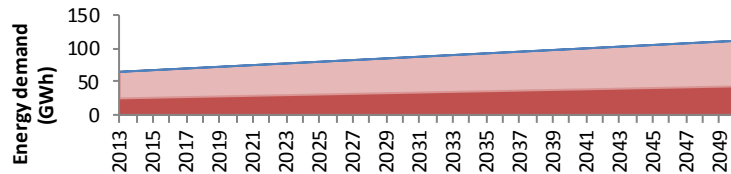
ALTERNATIVE



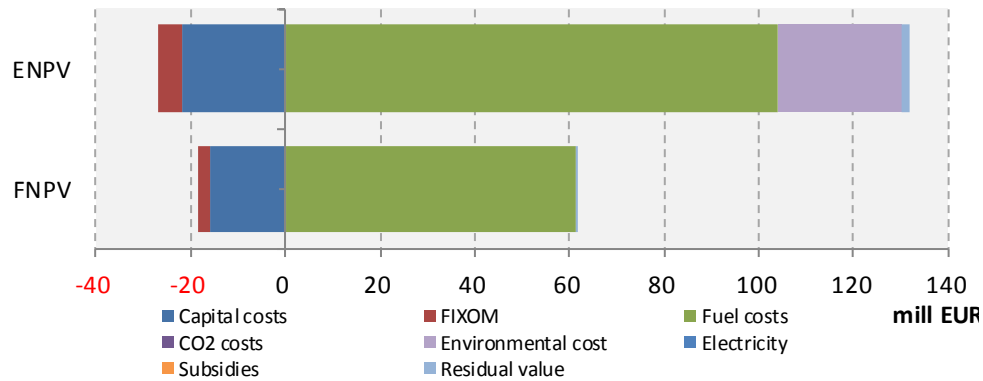
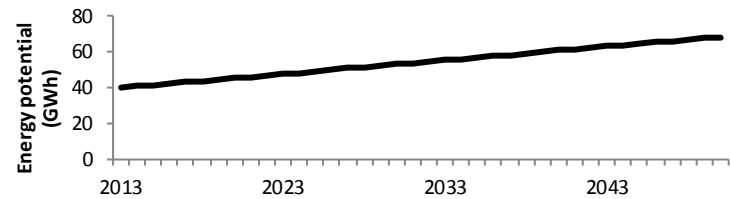
Sector: Industry Food, tobacco and beverages Alternative Scenario: Solar

System Boundary: Low energy demand areas

Energy demand of Industry - Food, tobacco and beverages



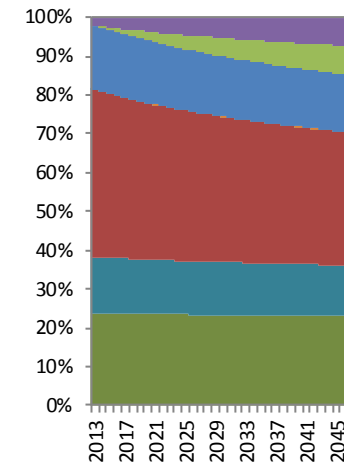
Technical potential of Solar panels fueled by Solar



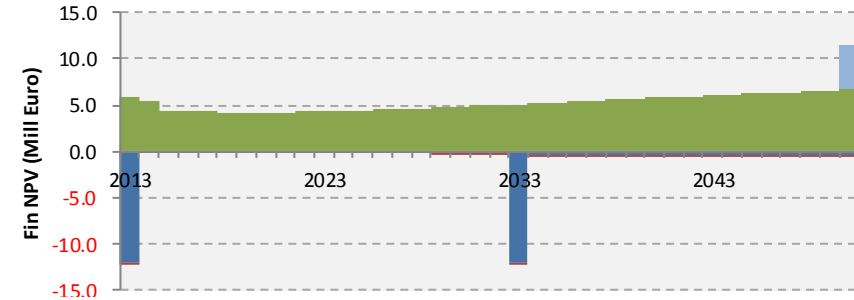
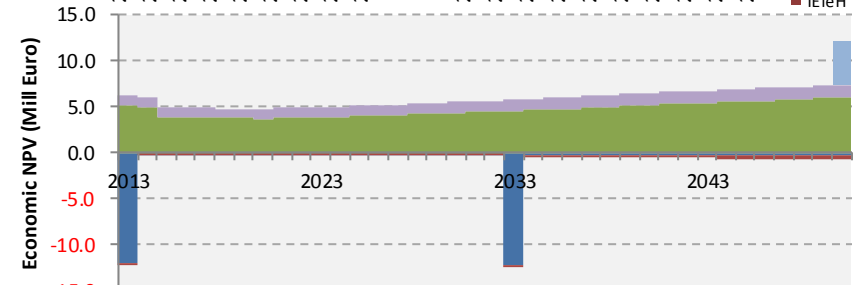
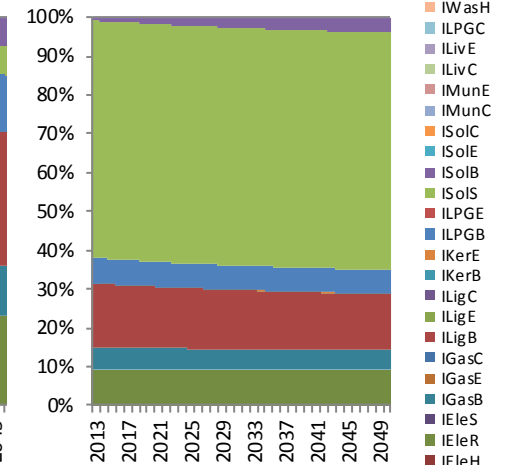
FNPV: 43.3 M€ ENPV: 105.1 M€

Solar panels

BASELINE



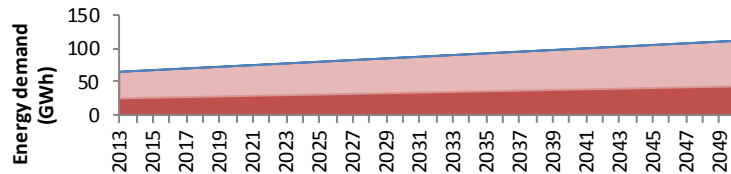
ALTERNATIVE



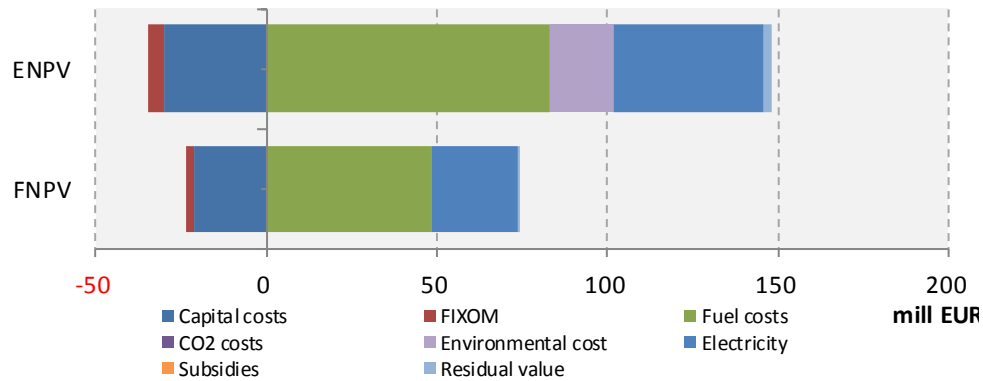
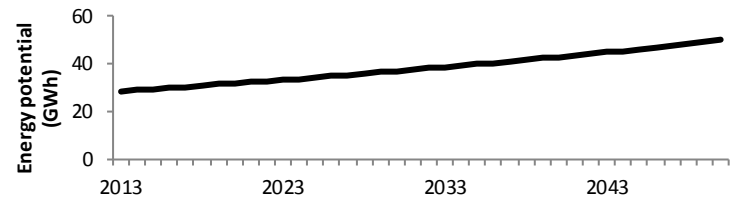
Sector: Industry Food, tobacco and beverages **Alternative Scenario:** Municipal waste

System Boundary: Low energy demand areas

Energy demand of Industry - Food, tobacco and beverages

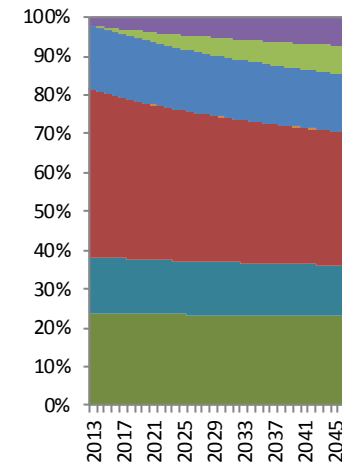


Technical potential of CHP fueled by Municipal waste

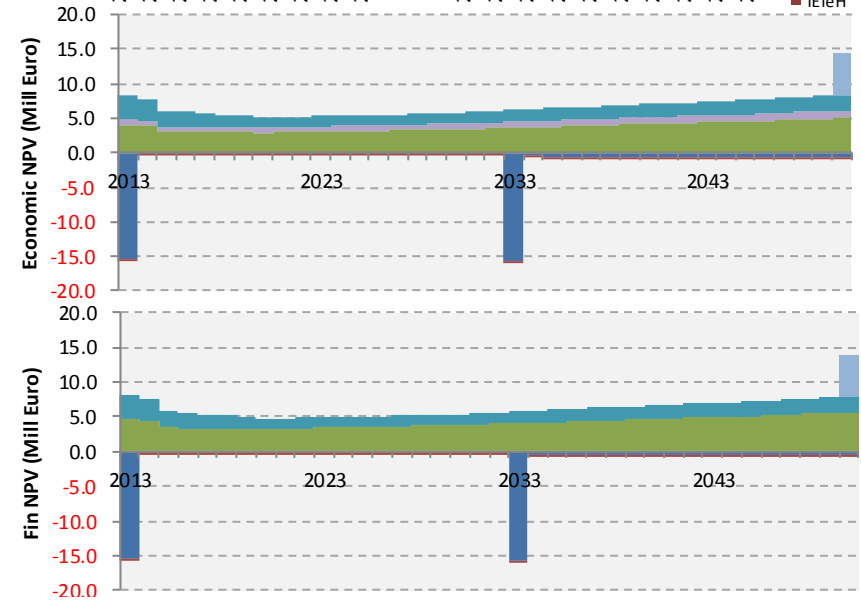
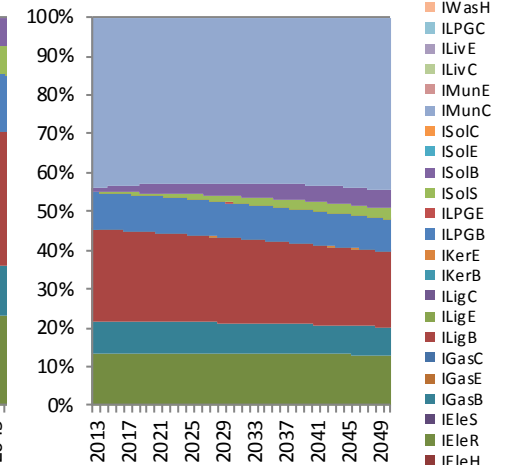


FNPV: 50.9 M€ **ENPV:** 113.6 M€

BASELINE



ALTERNATIVE



Sector: Industry

Food, tobacco and beverages

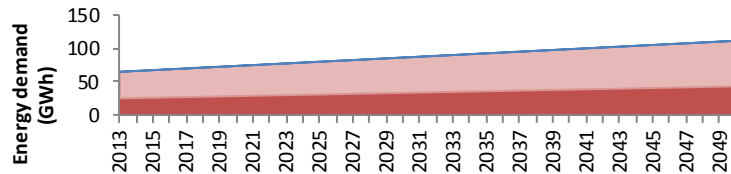
Alternative Scenario: Municipal waste

Efficient boilers

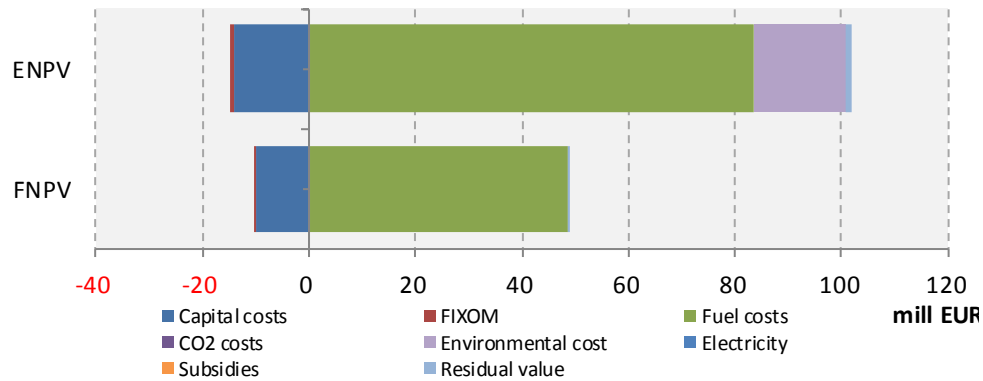
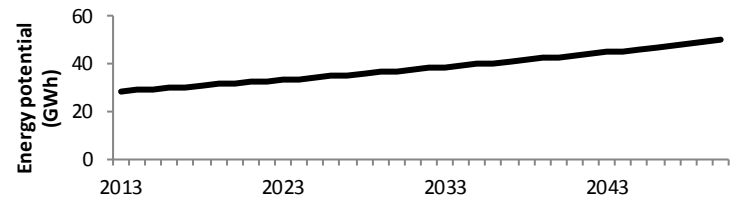
System Boundary:

Low energy demand areas

Energy demand of Industry - Food, tobacco and beverages



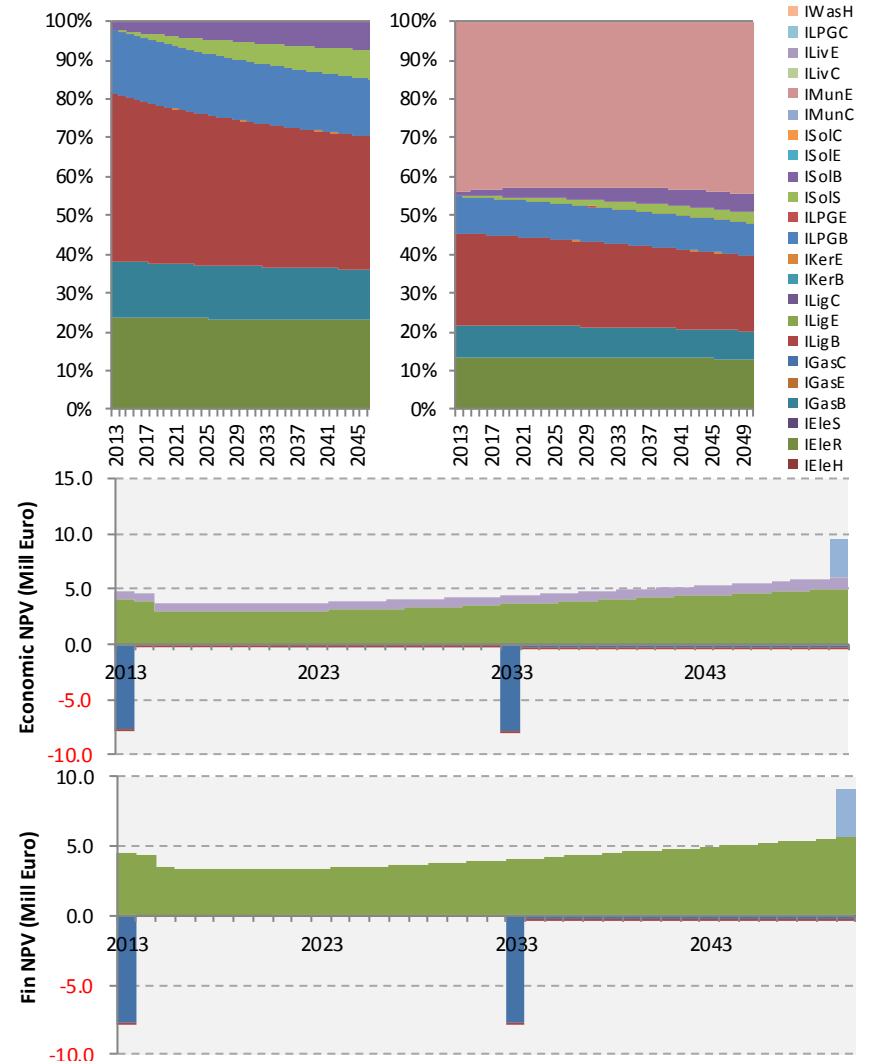
Technical potential of Efficient boilers fueled by Municipal waste



FNPV: 38.3 M€ **ENPV:** 87.2 M€

BASELINE

ALTERNATIVE



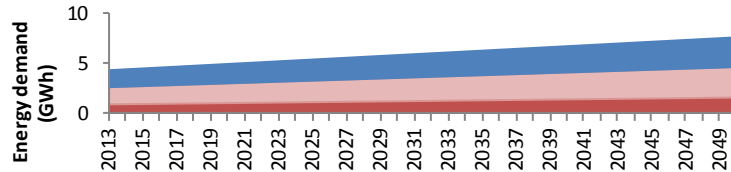
Sector: Industry

Chemicals

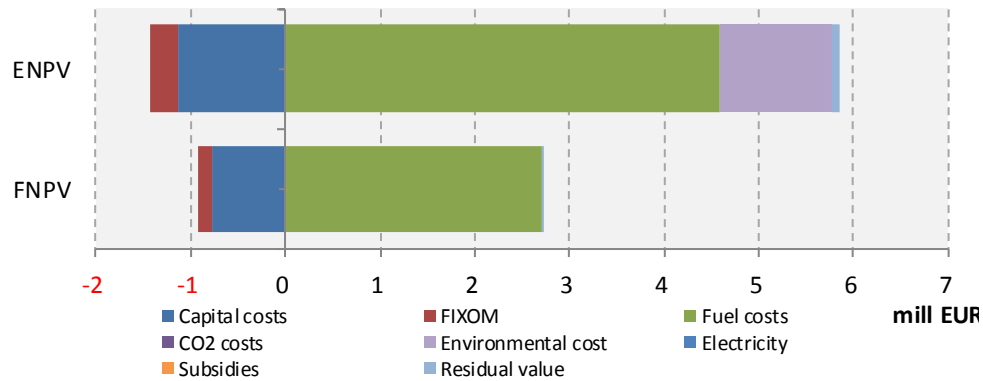
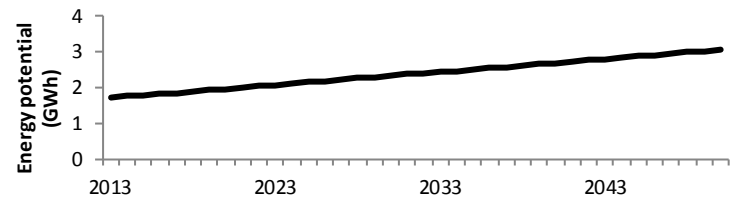
Alternative Scenario: Solar

System Boundary: Low energy demand areas

Energy demand of Industry - Chemicals



Technical potential of Solar panels fueled by Solar

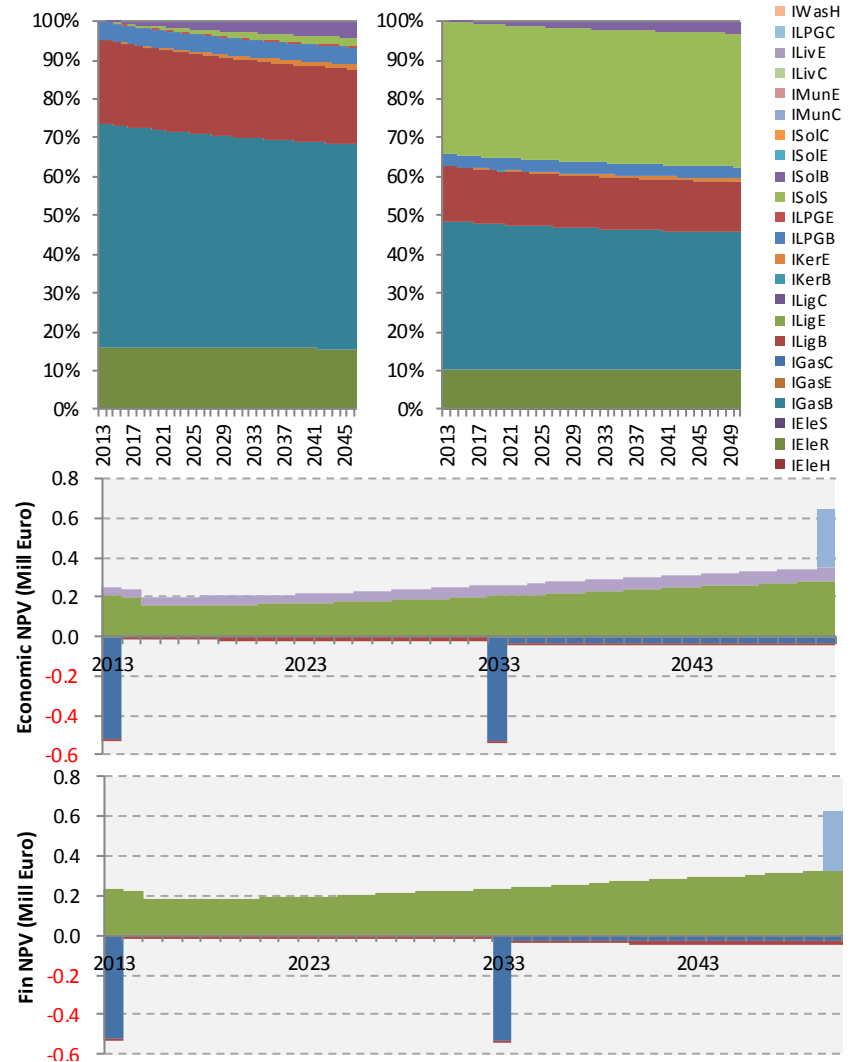


FNPV: 1.8 M€ ENPV: 4.4 M€

Solar panels

BASELINE

ALTERNATIVE



Economic NPV (Mill Euro)

Fin NPV (Mill Euro)

Sector: Industry

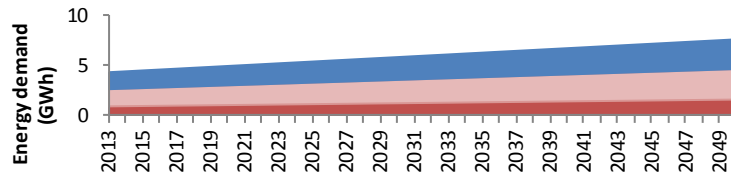
Chemicals

Alternative Scenario: Municipal waste

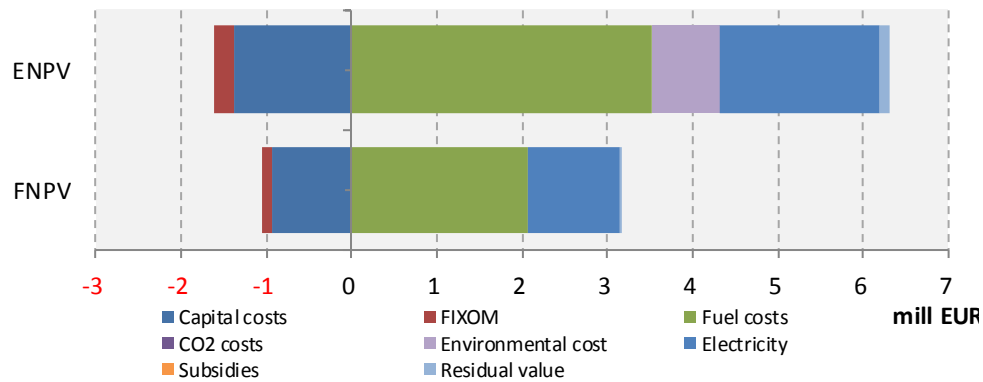
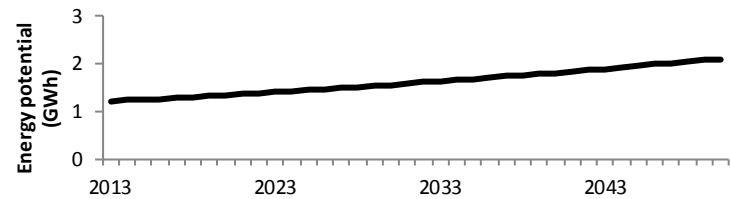
CHP

System Boundary: Low energy demand areas

Energy demand of Industry - Chemicals



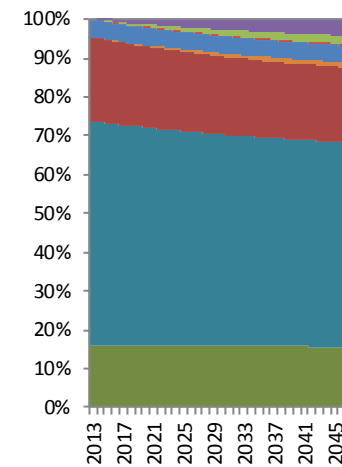
Technical potential of CHP fueled by Municipal waste



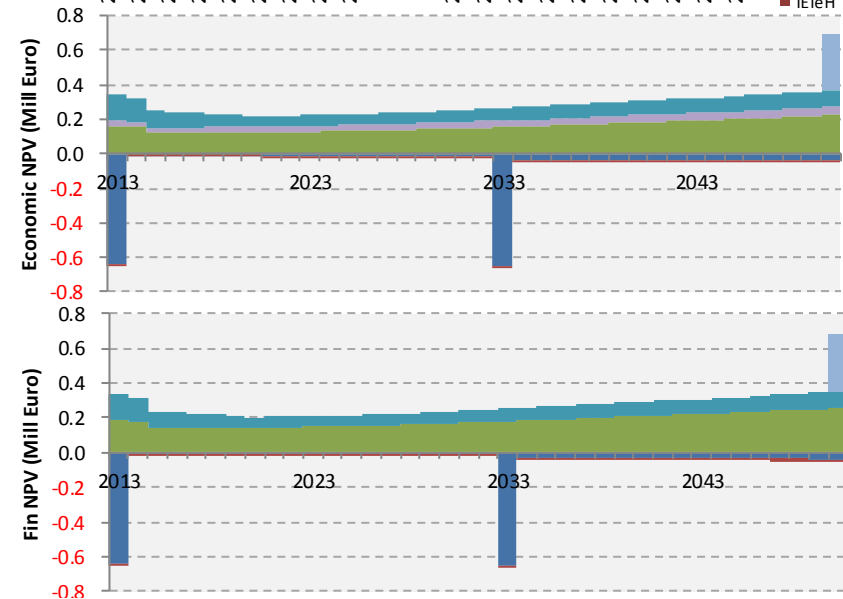
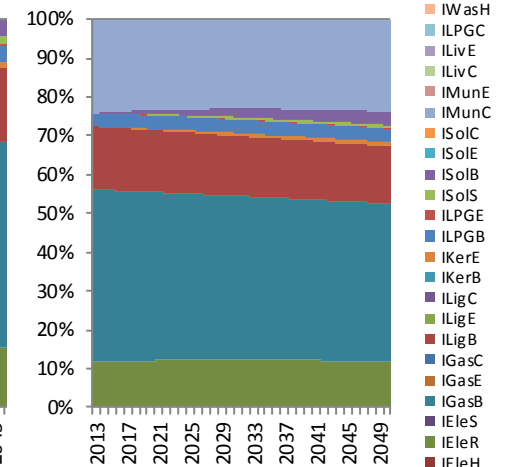
FNPV: 2.1 M€

ENPV: 4.7 M€

BASELINE



ALTERNATIVE



Sector: Industry

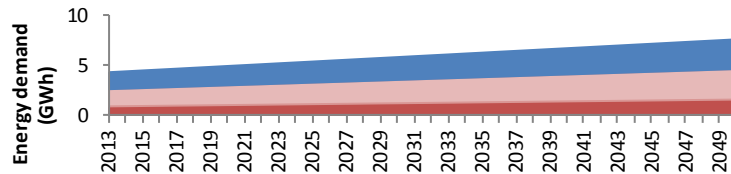
Chemicals

Alternative Scenario: Municipal waste

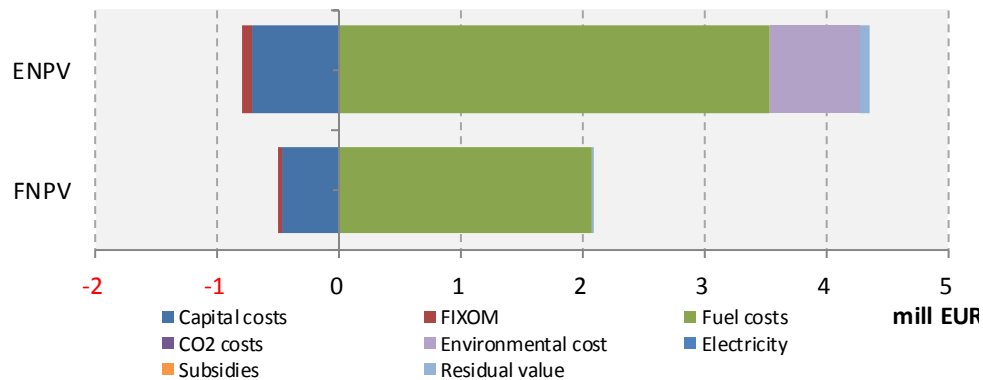
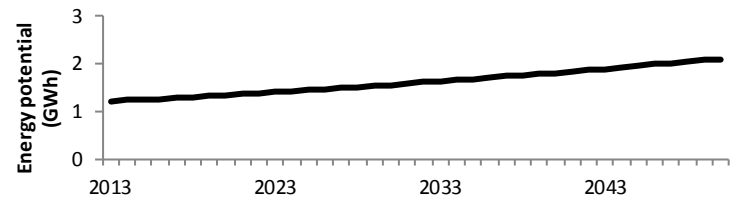
Efficient boilers

System Boundary: Low energy demand areas

Energy demand of Industry - Chemicals

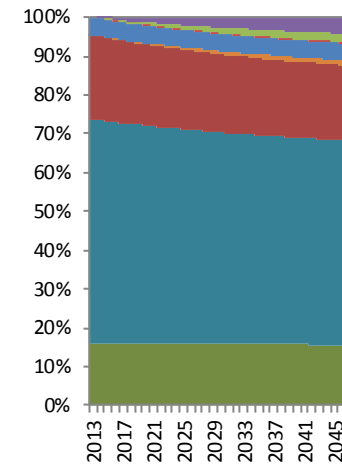


Technical potential of Efficient boilers fueled by Municipal waste

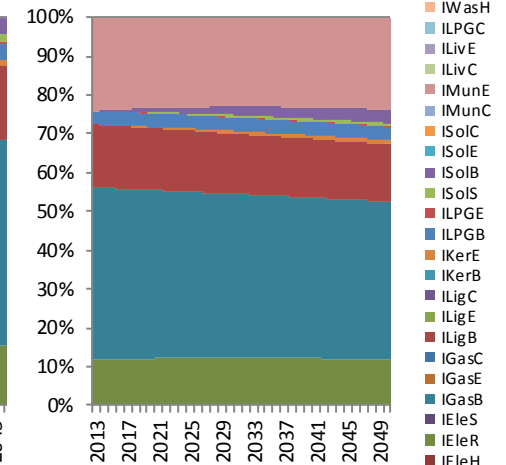


FNVP: 1.6 M€ ENPV: 3.6 M€

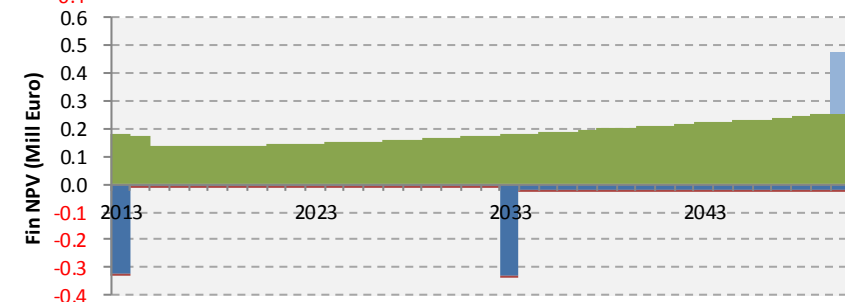
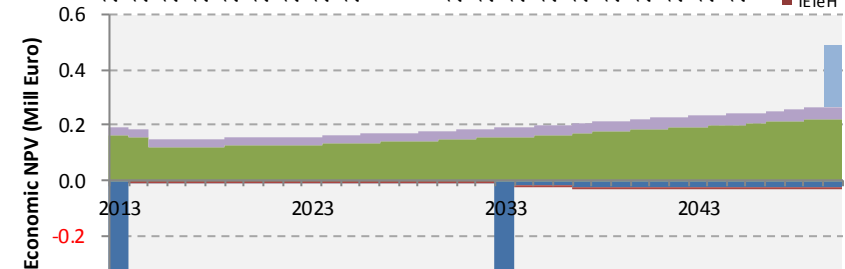
BASELINE



ALTERNATIVE



IWash
ILPGC
ILivE
ILivC
IMunE
IMunC
ISolC
ISolE
ISolB
ISolS
ILPGE
ILPGB
IKerE
IKerB
ILigC
ILigE
ILigB
IGasC
IGasE
IGasB
IEleS
IEleR
IEleH



Sector: Industry

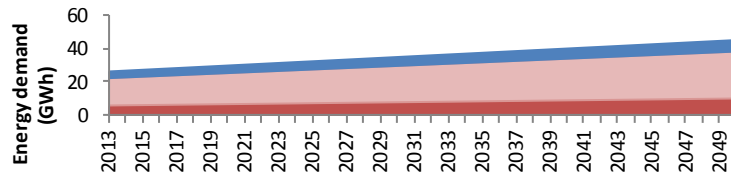
Other industry

Alternative Scenario: Solar

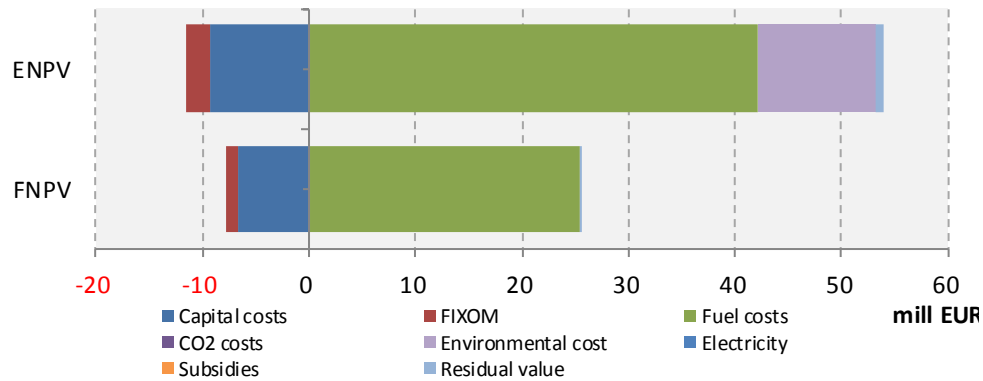
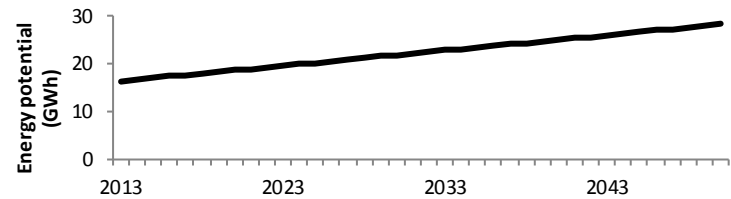
Solar panels

System Boundary: Low energy demand areas

Energy demand of Industry - Other industry

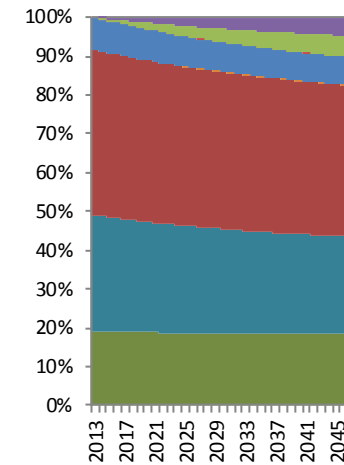


Technical potential of Solar panels fueled by Solar

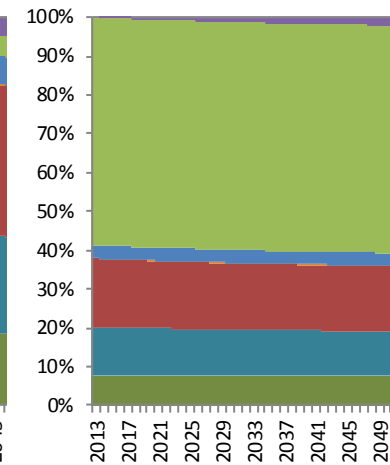


FNPV: 17.7 M€ ENPV: 42.4 M€

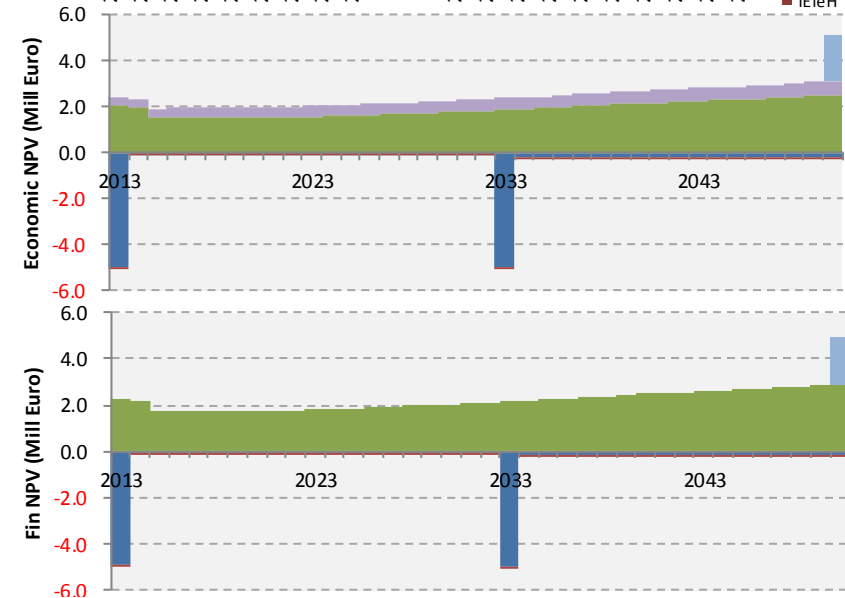
BASELINE



ALTERNATIVE



IWasH
ILPGC
ILivE
ILivC
IMunE
IMunC
ISoIC
ISoIE
ISoIB
ISoIS
ILPGE
ILPGB
IKerE
IKerB
ILigC
ILigE
ILigB
IGaSC
IGaSE
IGaSB
IEleS
IEleR
IEleH



Sector: Industry

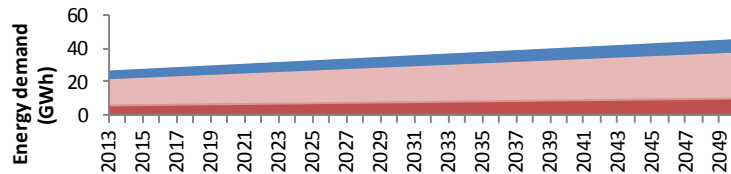
Other industry

Alternative Scenario: Municipal waste

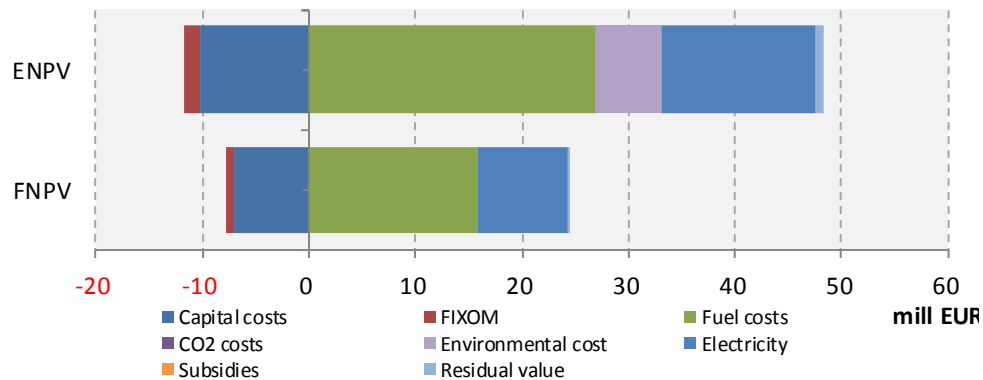
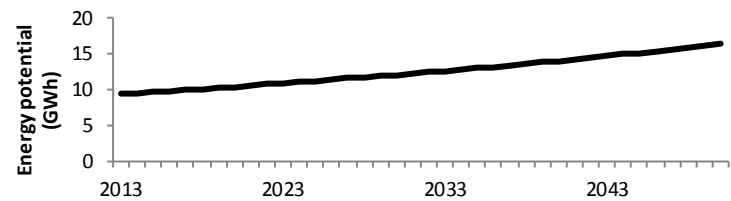
CHP

System Boundary: Low energy demand areas

Energy demand of Industry - Other industry

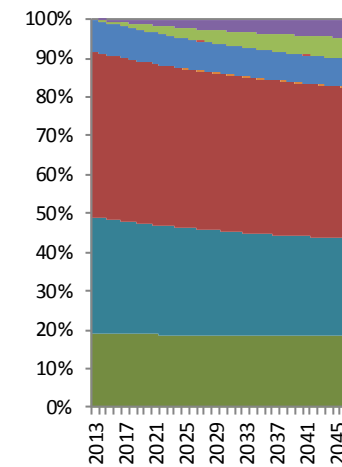


Technical potential of CHP fueled by Municipal waste

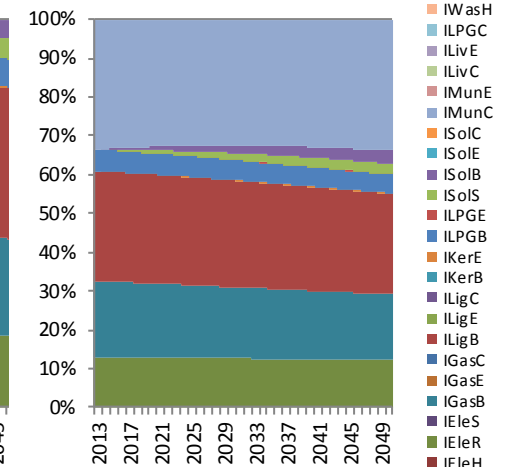


FNPV: 16.5 M€ ENPV: 36.5 M€

BASELINE



ALTERNATIVE



IWasH

ILPGC

ILivE

ILivC

IMunE

IMunC

ISoIC

ISoIE

ISoIB

ISoIS

ILPGE

ILPGB

IKerE

IKerB

ILigC

ILigE

ILigB

IGasC

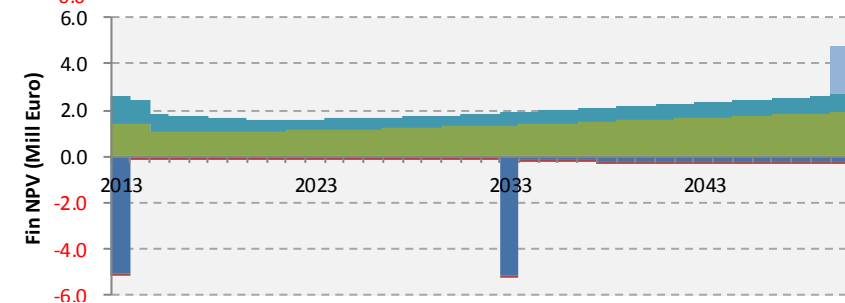
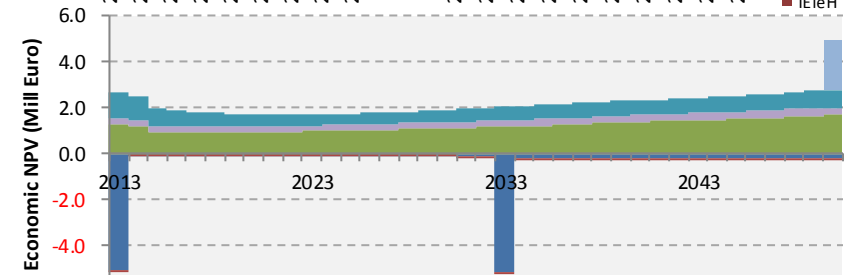
IGasE

IGasB

IEleS

IEleR

IEleH



Sector: Industry

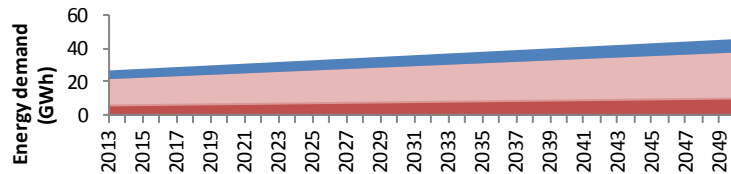
Other industry

Alternative Scenario: Municipal waste

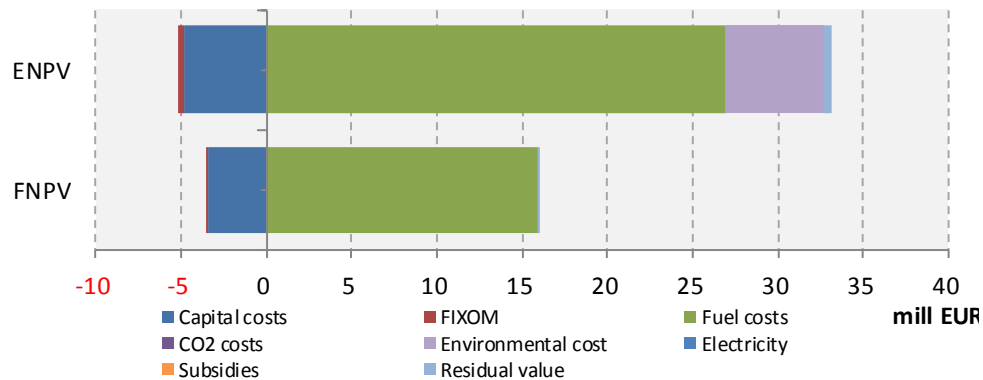
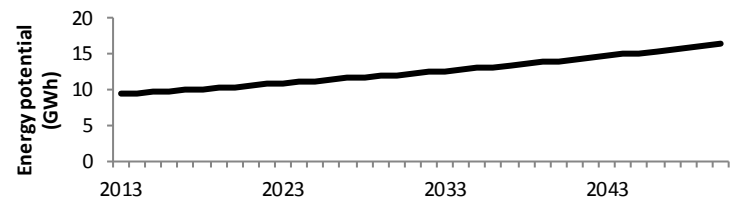
Efficient boilers

System Boundary: Low energy demand areas

Energy demand of Industry - Other industry

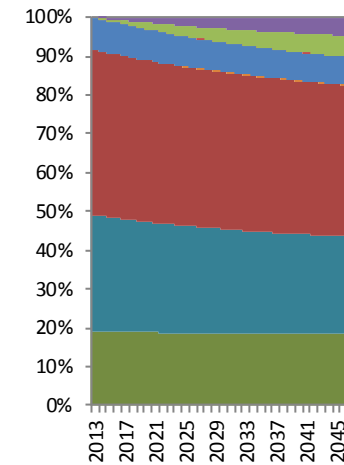


Technical potential of Efficient boilers fueled by Municipal waste

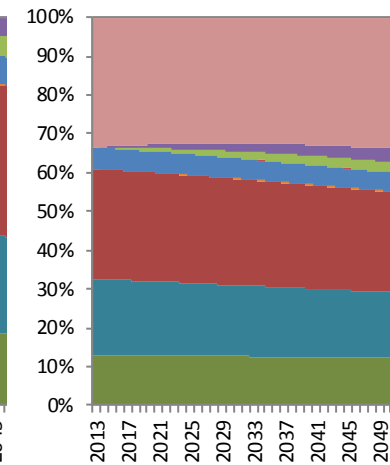


FNVP: 12.4 M€ ENPV: 28.0 M€

BASELINE



ALTERNATIVE



IWasH
ILPGC
ILivE
ILivC
IMunE
IMunC
ISoIC
ISoIE
ISoIB
ISoIS
ILPGE
ILPGB
IKerE
IKerB
ILigC
ILigE
ILigB
IGasC
IGasE
IGasB
IGasR
IEleS
IEleR
IEleH

