

The Belgian National Energy and Climate Plan 2030 NEKP-PNEC

IEA Technical Day, 11 June 2019

<http://economie.fgov.be>

OVERVIEW

1. General EU context
2. BE coordination (SG Enover-CNC)
3. Key messages draft NECP 31/12/18
4. Consultation process
5. Next steps

1. General EU Context

- Requirement under **Governance Regulation** (Chapter 2 & Annex I) **2018/1999**, OJ - 21/12/18
- Template in accordance with **5 dimensions Energy Union**:
Decarbonisation (emissions and renewable energy), Energy Efficiency, Security of supply, Internal market, and Innovation, competition and Research and development
- **Time horizon: 2021-2030** & long-term perspectives 2040/2050
- **Deadlines**: 1st draft plans by **31/12/18** – final plans by **31/12/19**

2. Internal BE coordination

■ **Steering group Enover-CNC NECP2030**

- Co-pilotship Energy/Climate: K. Geens – SPF-FOD Econ./J. De Schrijver – LNE
- Secretariat: Enover-NKC 2030 Concere-CNC@economie.fgov.be
- Composition: administrations 4 + 4 + substitutes
- Pilots per dimension
- Main tasks: cfr. Work methodology 2016

■ **Sub working groups**

- All kinds of Enover and CNC WPs (EE, RES, Balances, ...) + Belset
- Part B: Ad hoc WG Enover-CNC Projections
- COMM WG since January 2019



3. Key messages draft NECP 31/12/18

- Integration process & buildings blocks
- Publication 11/01/19 > NECP + all annexes
- Key messages per dimension

Integration process



Integrated draft NECP



entity-specific plans as the basis for the final integrated draft plan

FED

.be

FR



Climate

Energy

WR



RBC



Building blocks

- ❑ Interfederal Energy Pact

- ❑ Entity-specific plans

with as basis the different regional processes:



**Vlaamse
Regering**

VLAAMS KLIMAAT- EN ENERGIEPACT

Plan 
Air Climat Énergie


Le Plan Air Climat Energie bruxellois

- ❑ Federal process

- ❑ Federal Energy Strategy, 30/3/18

- ❑ Draft Federal contribution, 30/11/18

Publication draft BE NECP *since 11/01/19*



- <https://economie.fgov.be/nl/publicaties/ontwerp-van-geintegreerd>
- <https://economie.fgov.be/fr/publications/projet-de-plan-national>
- <https://www.cnc-nkc.be/nl/reports>
- <https://www.cnc-nkc.be/fr/reports>

Dimension Decarbonisation Non-ETS

Different objectives

	2020	2030
BE	-15%	-35%
RBC	-8,8%	-32%
WR	-14,7%	-37%
FR	-15,7%	-35%
FED	Continuation PAMs + New PAMs	Continuation PAMs + New PAMs

Dimension Decarbonisation: RENEWABLE ENERGY

Objectives

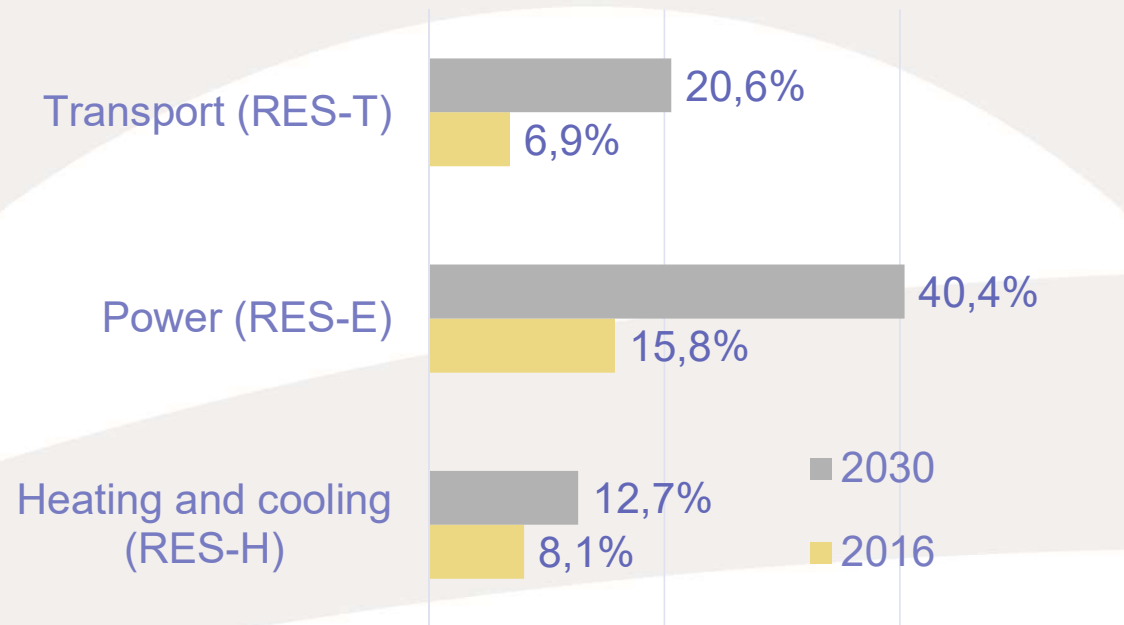
- BE contribution to EU objective of 32%
= 18,3%
- Federal contribution:
 - Offshore: 4GW
 - blending percentage biofuels: 14%*

* In NEKP

PAMs

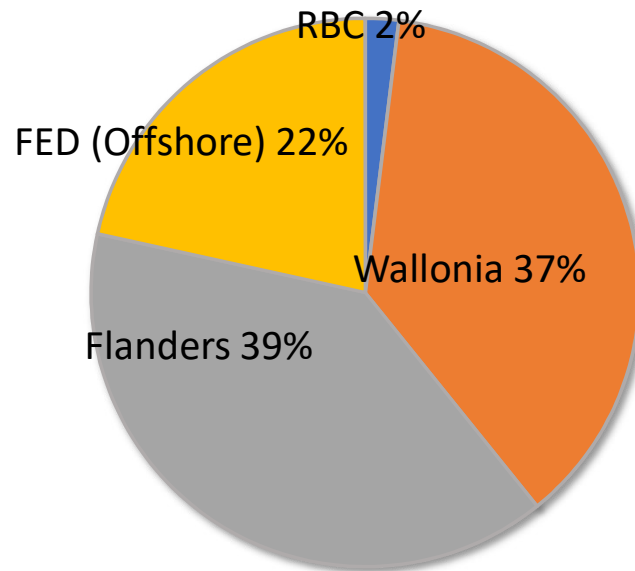
- Thread= costs efficiency
- Cf. Entity-specific plans
 - *Taking into account different geographical, socio-econ. and technol. potential*

RES share in Gross Final energy consumption (WAM scenario)



Decarbonisation – Renewable Energy Contribution entities

Contribution entity specific
plans



Dimension: ENERGY EFFICIENCY

Objectives

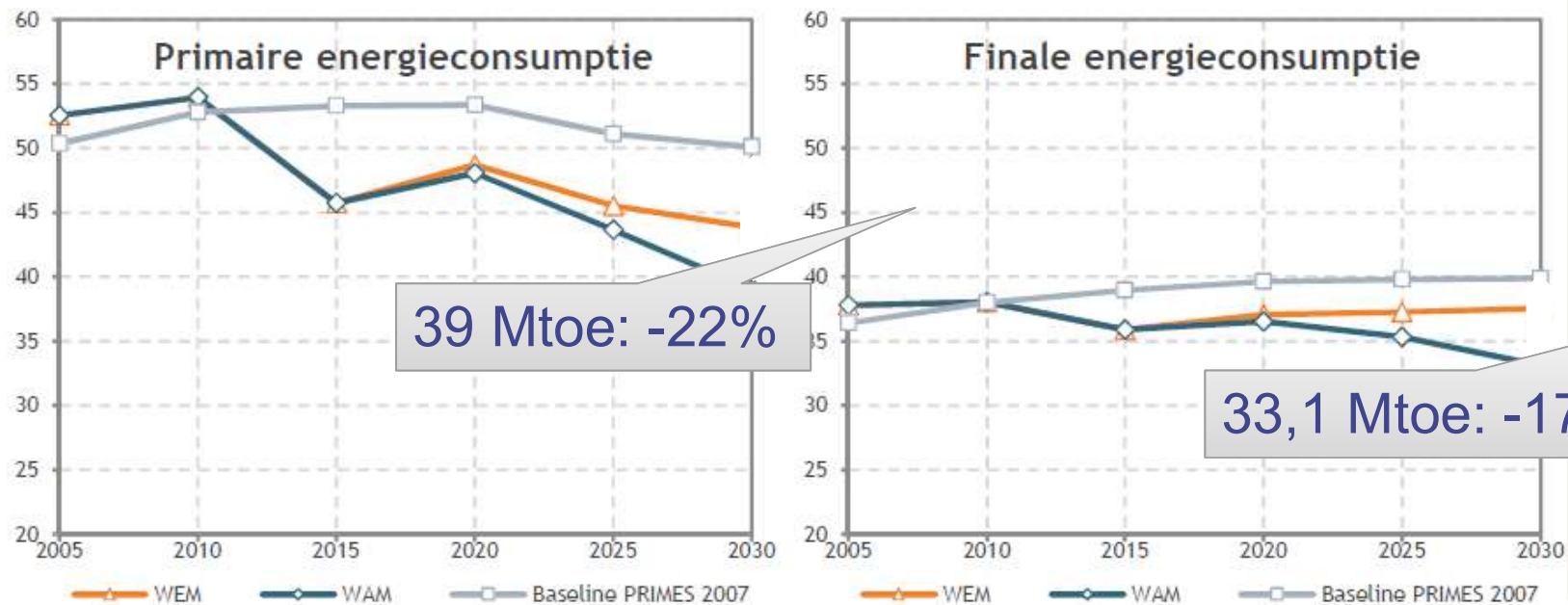
- BE contribution to EU objective of 32,5%:
 - - 22% or 39Mtoe **primary energy consumption**
 - - 17% or 33,1 Mtoe **final energy consumption**
with respect to Primes 2007

PAMs

- Cf. Entity-specific plans
- LT renovation strategy: cf. regional renovation strategies
- Art. 7: each region has his own policy, federally supporting and reinforcing policy

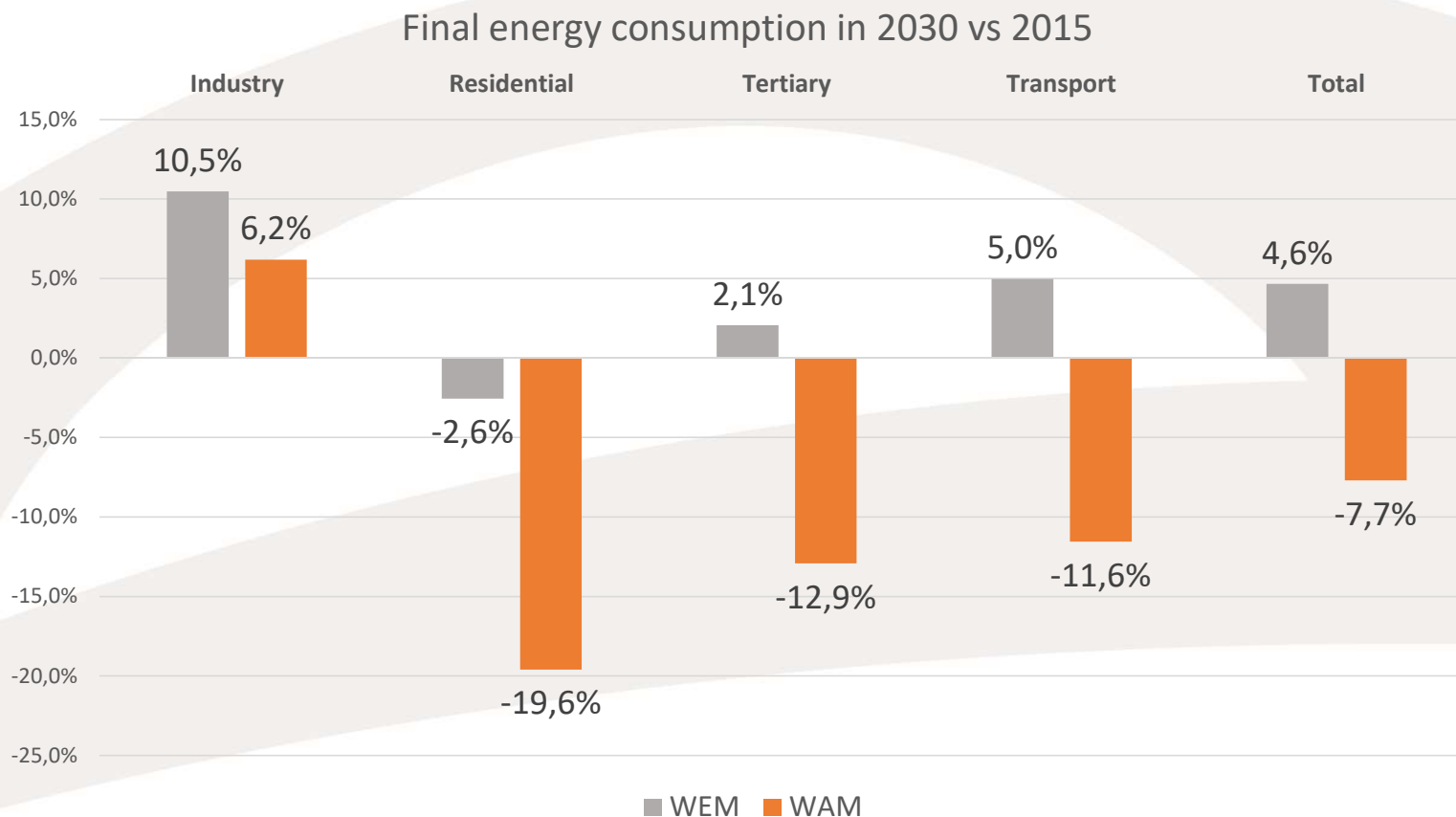
For comparison: for 2020 indicative objective of 18%

ENERGY EFFICIENCY



Bron: Eurostat (juni 2018) voor 2005-2015 (weliswaar aangepast voor vaste brandstoffen); compilatie van regionale en federale prognoses voor 2020-2030; European Energy and Transport - Trends to 2030 - Update 2007 (EC, 2008).

ENERGY EFFICIENCY BY SECTOR



Objectives

- Policy focused on **system adequacy within the framework of nuclear power phase-out** (loss of 5.918 MW), and need to attract necessary investments (flexible production, interconnections, storage, DSM)
- **Transition from low to high calorific gas** > 1,2 million connections

PAMs

- Stake on power-to-x, **new technologies** such as hydrogen, electrification of transport
- **Capacity Remuneration Mechanism 2022-2025**
- Management radioactive waste

Objectives/Priorities

- EU Interconnection target figure electricity of 15% will be amply exceeded with planned **interconnection rate of +-30% by 2030**
- Energy transmission infrastructure:
 - Brabo - NL
 - Nemo – VK
 - Alegro – DE
- Market integration within framework of PLEF
- Roll out smart meters
- Flexibility energy system
- Energy poverty

PAMs

- **Evaluations** of existing electricity and gas infrastructures
- Continuation and reinforcement of **regional collaboration** within the framework of PLEF and NSEC
- Better coordinate **demand and use**, and attract right investments to obtain a complementary energy mix
- Policy to **protect** the **consumer** and energy poverty plans

Dimension: Research, Innovation and competitiveness

Objectives/Priorities

- $\geq 3\%$ R&D objective (as % of the GDP)
- EU: SET-plan > BE: BELSET platform

PAMs

- Investment tools/funds:
 - Energy Transition Funds
 - 20 million €/j up to 2030
 - National Investment pact:
 - 60 billion € up to 2030 for energy projects
 - Regional initiatives/ financing instruments
- Compet: Energy standard

4. Consultation process

National public consultation, 04/06/19 – 15/07/19

Cf. article 10 of Regulation 2018/1999

- www.nationaalenergieklimaatplan.be
- www.PlanNationalEnergieClimat.be

Regional consultation

▪ *article 12 of Regulation 2018/1999*

- BE initiative “*Regional Dialogue Energy-Climate*” within Pentalateral Energy Forum (PLEF), June 2018
 - Benelux Declaration, June 2018
 - PLEF Declaration, December 2018



5. Next steps

Q1 – Q2 2019

- National public consultation
 - Common advice strategic advisory boards via FRDO*
 - Public consultation based on limited questionnaire
- Regional consultation
 - Bilateral consultations
 - PLEF regional dialogue
 - BE regional consultation
- EC recommendations

By 31/12/19 - 01/01/20

- Final BE NEKP
 - Benchmark dates as defined in work methodology
 - Adaptations taking into account adapted entity-specific plans, results of consultations, EC recommendations
- *Long-term emissions strategy (art. 15) > no part of NEKP*

*FRDO: Federale Raad voor Duurzame
Ontwikkeling

<http://economie.fgov.be>

Any questions?

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