

Procel

Programa Nacional de Conservação de Energia Elétrica

2017 Outcomes / 2019 Plan



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Ministério de Minas e Energia

21 de novembro – 2018

São Paulo



MINISTÉRIO DE
MINAS E ENERGIA





PROCEL

**PROGRAMA NACIONAL
DE CONSERVAÇÃO DE
ENERGIA ELÉTRICA**

➤ Federal Programme created by Ministry of Mines and Energy in 1985 and executed by Eletrobras.

➤ Mission :

To promote Energy Efficiency, contributing to the improvement of quality of life and the efficiency of goods and services, reducing environmental impacts.

MINISTÉRIO DE
MINAS E ENERGIA



2017

Equivalent to:

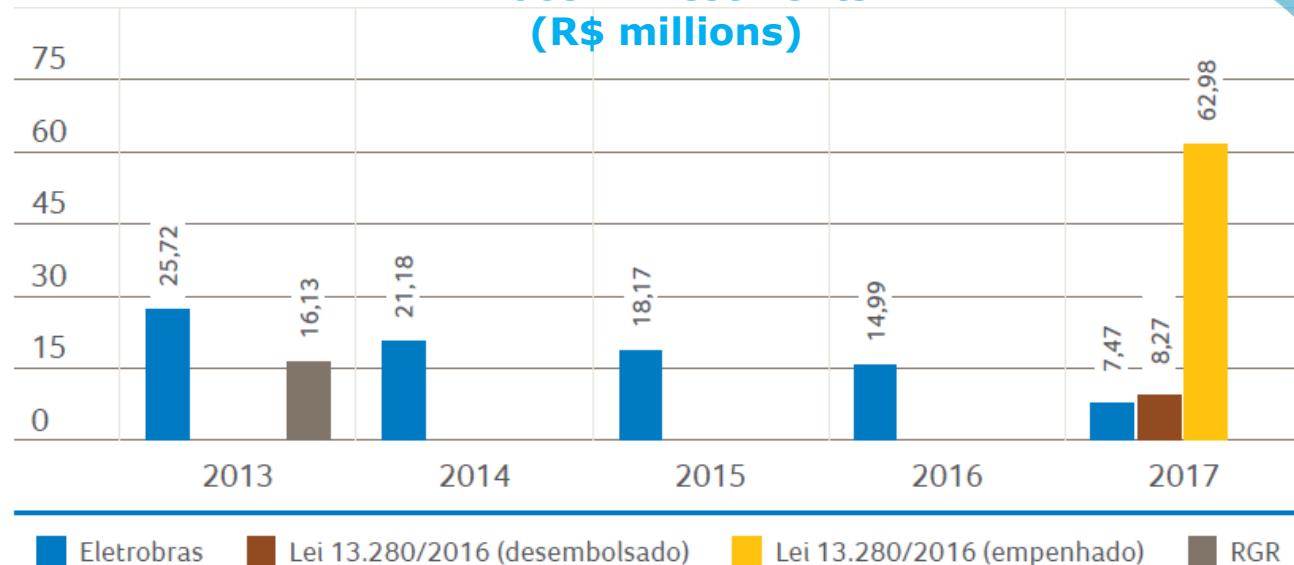
- **4,57%** of total consumption in Brazil
- Annual consumption of **11,25 millions** households
- **5.085** MW Power Plant
- Difered Investments of **R\$ 3,79 bi**

Savings of
21,2
billions
kWh

ÁREAS DE ATUAÇÃO

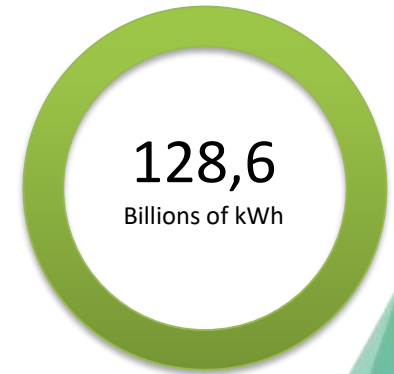
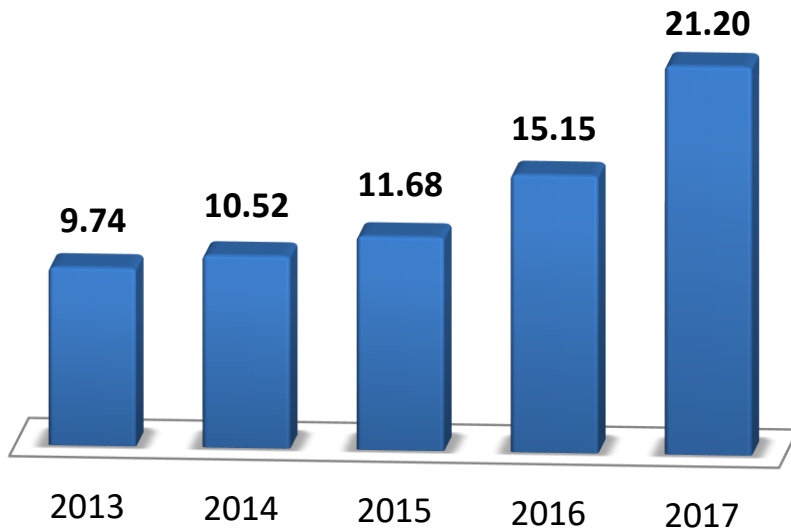
- Buildings
- Industry
- Street Lighting
- Sewage
- Education
- Structuring Studies
- Information
- Procel Seal
- Energy management in Municipalities
- Marketing

Procel Investments (R\$ millions)



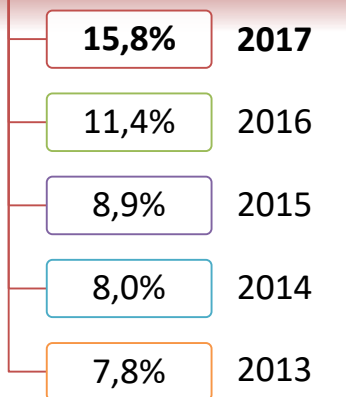
R\$ 2,97 bi invested since 1986

Resultados Históricos

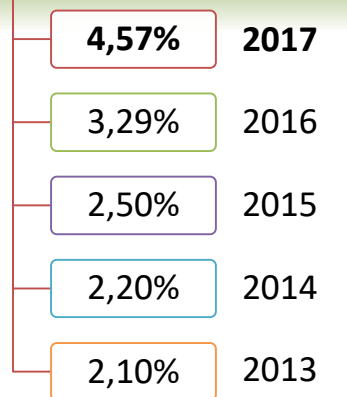


Energy Savings
1986 to 2017

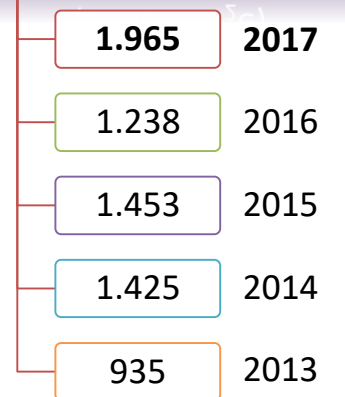
Residencial Use



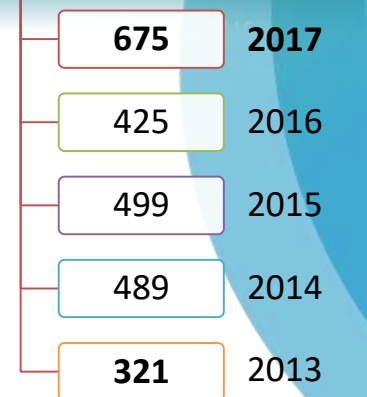
Total consumption



CO₂ avoided (1000 tCO₂e)



Thousands of vehicles equivalent



Procel 2018/2019

Aberta audiência pública sobre o Plano Anual de Recursos do Procel



Energia que se faz presente.

E ANEEL

Programa Aliança 2.0

24 new energy intensive plants

Pilot Project involving CAPEX, in one plant

Quantification of the **Aliança 1.0** outcomes



Act on processes as a differential, besides motor systems

Two Segments in the Industry Sector

- 120 mid-size and big industries
- Financial issues → studies
- Capacity Building of 100 specialists in EC in compressed air systems
- 120 energy audits, with implementation and M&V. Opportunities in Distributed Generation
- Recommendations to implement EM Systems based on ISO 50001 and publication of the outcomes
- 50 SMEs → same approach
 - Capacity building
 - Marketing campaign
 - Assessment
 - ISO 50001



Impact Evaluation on Refurbished Motors and their performance



Energy Audits in thermal systems

Brasil + Produtivo Eficiência Energética – Phase 2

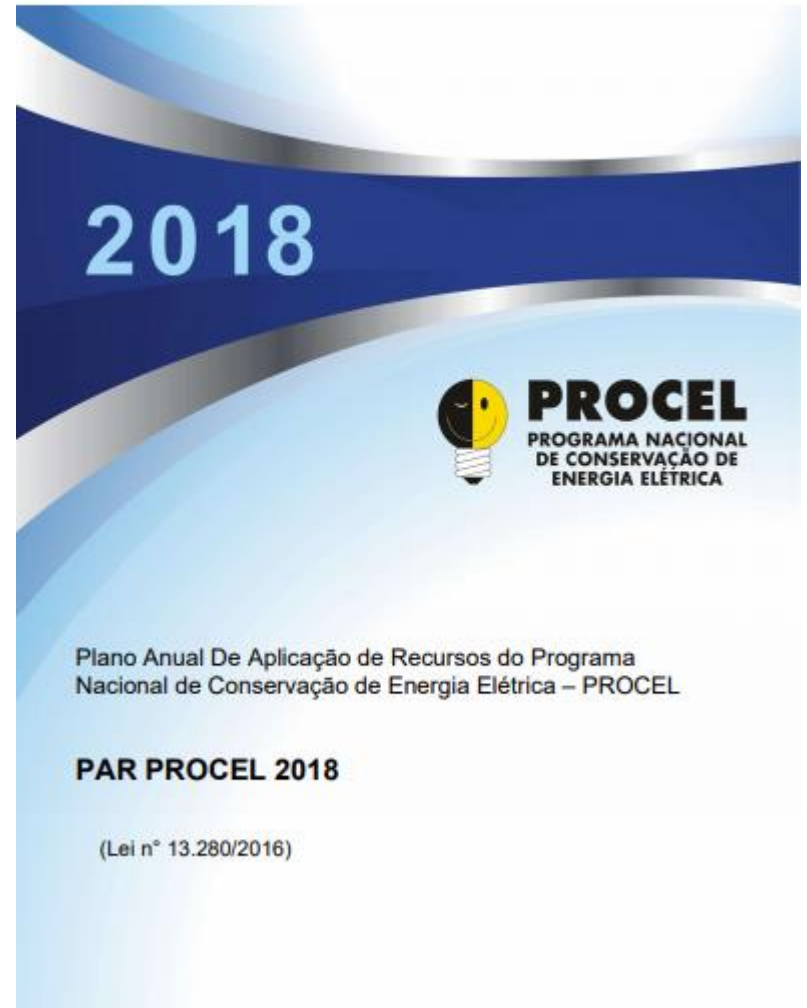
Creation of new Centres of Excellence in Industry EE in Brazil

Solar Thermal in one Industry Sector

Public
Consultation

Procel Plan 2018/2019

<https://bit.ly/2DyqDYf>





THANK YOU

CARLOS ALEXANDRE P. PIRES

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21 DE NOVEMBRO – 2018

SÃO PAULO

