



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Electricity bill explained

How to earn money for consuming
electricity

Ondřej Caletka | 29 March 2023 | NCC Sevens

Variable price per kWh



Year	Energy + distribution	Electricity tax	Support of renewable sources (ODE)	Total
2021	€ 0,21	€ 0,11	€ 0,04	€ 0,36
2022	€ 0,21	€ 0,04	€ 0,04	€ 0,30
2023	€ 0,65	€ 0,18	€ 0	€ 0,84

- All prices include VAT 21 %
- For second half of 2022, VAT was temporary changed to 9 %
- Support of renewable sources is now **part of Electricity tax**

Fixed price per year



Year	Provider payment	Distributor payment (3x25 A)	Tax discount	Total
2021	€ 71,87	€ 274,18	-€ 558,56	-€ 212,51
2022	€ 71,87	€ 275,68	-€ 824,77	-€ 477,22
2023	€ 71,87	€ 346,39	-€ 596,86	-€ 178,60

Finding the equilibrium



Year	Fixed price	Price per kWh	Free kWh per year	Free continuous power
2021	-€ 212,51	€ 0,36	584 kWh	67 W
2022	-€ 477,22	€ 0,30	1617 kWh	185 W
2023	-€ 178,60	€ 0,84	213 kWh	24 W

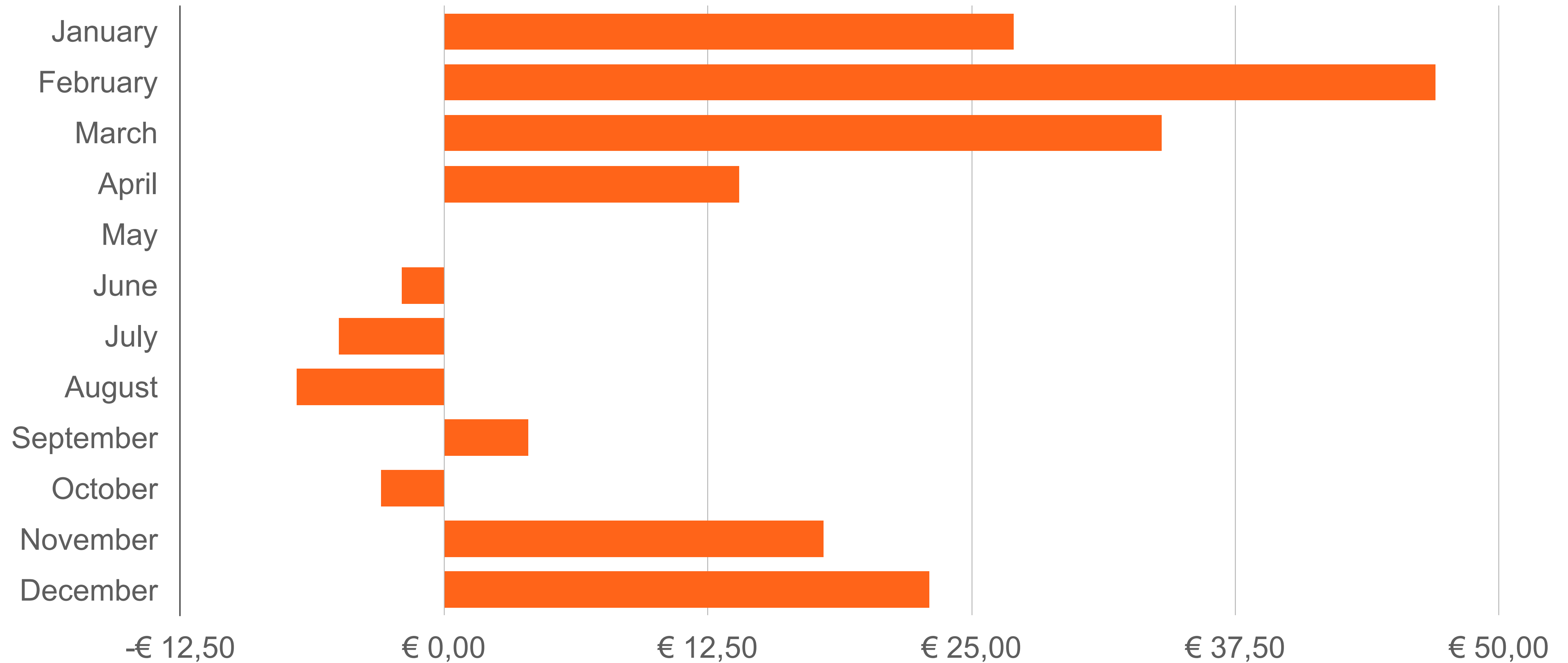
The government pays for your:



- Wi-Fi router
- Quooker
- Night light
- Idle chargers left plugged in (**don't**)

- In 2022, they paid even for **regular household usage**

My energy costs of 2022



Price ceiling to save us in 2023

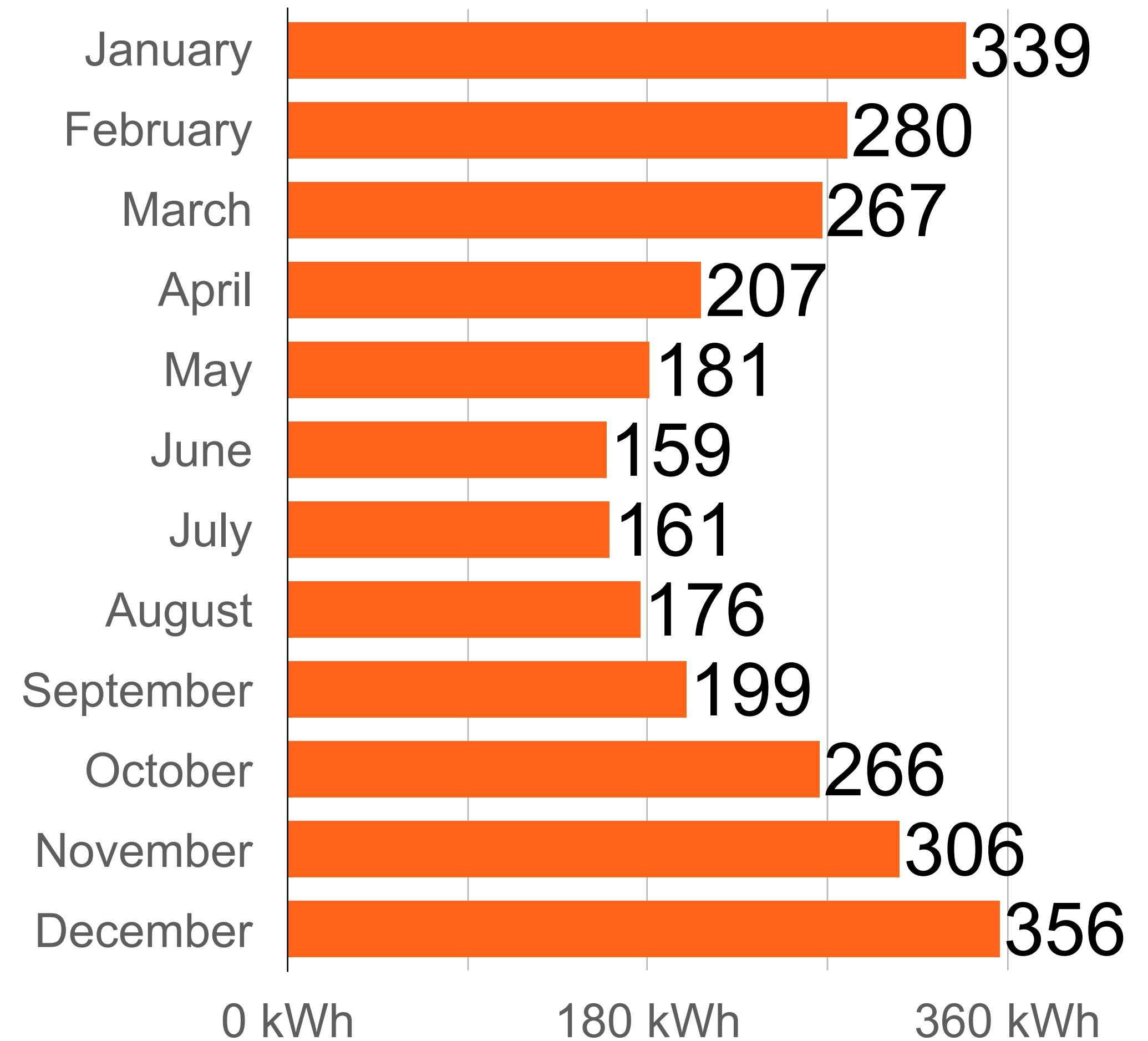


- Electricity tax and VAT is **back up**
- Tax discount is **back down**
- Electricity price **went up threefold**
- But we have **price ceiling of € 0,40 per kWh for 2023**
 - only up to **2900 kWh per year**
 - but invoicing is **not aligned to calendar years**

Monthly price ceiling limit



- For the purpose of invoicing mid-year
- You can **borrow from past and future** months, except for the time of invoice
- But what if the **price goes below** ceiling mid-year?
 - I don't know the answer yet 🙄
 - But we will probably find out → SOON





Track your consumption

- Smart meters are boring, just use Google Sheets
- There's a template in RIPE NCC Google Sheets Template gallery called "Energie reporting sheet"
 - Feel free to give it a try!

	A	B	C	F	G	H	I	J	K	L	M
1	date	readout 1.8.1	readout 1.8.2	daily 1.8.1	daily 1.8.2	daily total	avg	daily cost			
2	7.12.2021 9:30	211 kWh	139 kWh								
3	30.12.2021 10:19	293 kWh	221 kWh	3,6 kWh	3,6 kWh	7,1 kWh	297 W	€2,01			
4	3.7.2022 23:06	1030 kWh	714 kWh	4,0 kWh	2,7 kWh	6,6 kWh	276 W	€0,58			
5	17.12.2022 14:25	1512 kWh	1113 kWh	2,9 kWh	2,4 kWh	5,3 kWh	220 W	€0,23			
6	9.1.2023 7:30	1569 kWh	1151 kWh	2,5 kWh	1,7 kWh	4,2 kWh	174 W	€1,18	gratis uitvoering (W)	verwachte jaarkost (2200 kWh)	ideaal termijnbedrag
7											

2	2021-01	€0,36	584 kWh	67 W	€588,43	€49,04
3	2022-01	€0,30	1617 kWh	185 W	€172,01	€14,33
4	2022-07	€0,27	1617 kWh	185 W	€154,96	€12,91
5	2023-01	€0,40	446 kWh	51 W	€701,40	€58,45



No Time For Questions



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