Our perspective

Gerhard Emch November 9th 2023



Ein Unternehme der Stadt Zürich



Topics

- A spot on ewz
- The customers choice
- Our offers, our products
- Accounting the guarantees of origin
- Covering the basic supply
- Environmental product declaration



We are one of the top five energy service providers in Switzerland

1,712 million Swiss francs turnover

80

million Swiss francs profit transfer to the city of Zurich

1

service division of the city of Zurich (Department of Public Utilities and Transport)

236,748 customers

212,335 residential customers

24,413 commercial and business customers

> 284,089 available broadband connections

4.9 TWh annual electricity production

424

GWh heating and cooling sales, with 76.3 per cent carbon-neutral production

64,503 t CO₂e reduced or avoided

for customers

1,221 employees

of these in the Grisons

1892

Electricity for the city of Zurich and parts of the Grisons for 130 years

The customers choice

Customers with market access

(Yearly consumption ≥100 MWh)

- Contracts on a yearly basis, mostly for several years.
- Energy and guarantees of origin are usually procured separately.
- For guarantees of origin usually one quality is selected.

Customers with default supplier

- Customers can select among a number of full supply products.
- An upgrade is possible at any time.
- An downgrades is possible for the next billing period.



Tarif components

- Energy supply
- Guarantees of origin
- Grid usage

- Municipal levies
- National levies
- VAT

Our offers, our products

Customers with market access

Contracts on a yearly basis, mostly for several years.

- Energy supply with a fixed price ewz.festpreis
- Energy supply with market participation ewz.portfolio, ewz.balance, ewz.tranche, ewz.profillieferung, ewz.terminlieferung, ewz.segmentlieferung
- Market participation with balancing capacities ewz.flex
- Direktvermarktung ewz.direktvermarktung
- Products for Utilities ewz.werkenergie, ewz.backtoback, ewz.unterlizenzen
- Guarantees of origin ewz.zertifikate



Our offers, our products

Customers with default supplier

ewz.pronatur renewable, Swiss naturemade star

ewz.natur

renewable, Swiss an EU produced by ewz

ewz.econatur renewable, Swiss and EU

ewz.solarzüri

solar energy from Zürich one-off-payment for 20 years

ewz.solargrischun solar energy from the canton grison one-off-payment for 20 years





Accounting the guarantees of origin (GOO)

Accounting Principles (Switzerland)

- For every 1 kWh energy produced a guarantee of origin of 1 kWh (solar, hydro, wind, nuclear, ...) is issued and recorded in the national registry.
- Every guarantee of origin is valid for 12 months, respectively until May 31st of the year following the production year.
- Every kwh delivered to an end customer requires a guarantee of origin to be cancelled.
- The production year must be identical to the consumption year.
- The suppliers mix "Stromkennzeichnung" must be published until June 30th and the end customers must be informed once a year.

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- Every kwh delivered to an end customer requires a guarantee of origin to be cancelled.
- The production quarter must be identical to the consumption quarter.
- The suppliers mix "Stromkennzeichnung" must be published until June 30th and the end customers must be informed once a year.

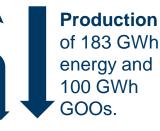
today

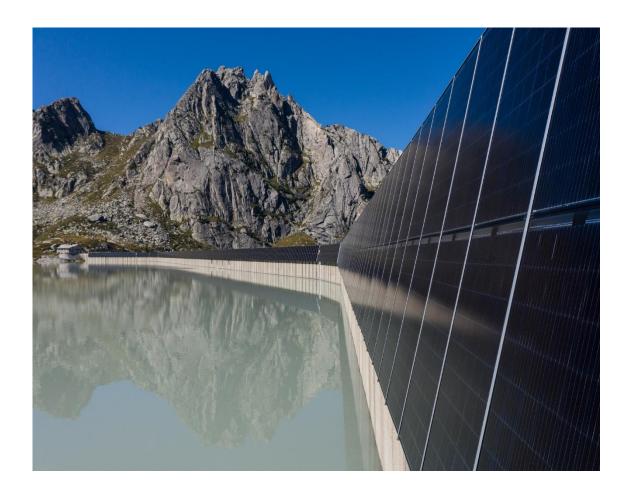
ewz

Accounting the guarantees of origin (GOO)



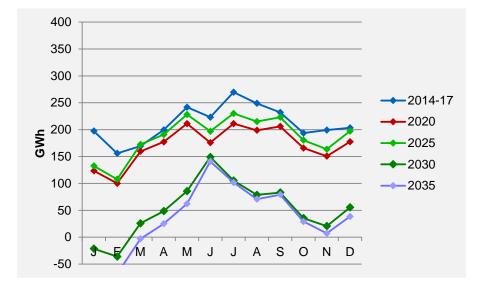
Pump storage with 100 GWh energy and losses of 17 GWh requires 17 GWh GOOs to be cancelled (maximum efficiency of 83% by law, can be lowered to the real value).



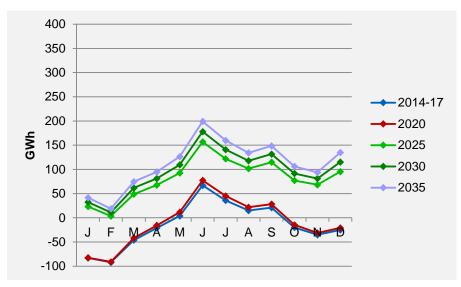


Can ewz cover the basic supply with its own production?

100% Basic Supply100% ewz Production in Switzerland



100% Basic Supply100% ewz Production in Switzerland100% Renewable energyAdditional production capacities proportionally to Swissenergy strategy 2050





Umweltdeklaration 2022.

ewz.pronatur

Zusammensetzung des Stromprodukts.

		nati	naturemade	
		••	• • star	
		ökologi	sche Energie	
 Wasserkraft naturemade star 	82.72%	Windkraft naturemade sta	r 6.63%	
Wasserkraft naturemade basic	0.00%	Windkraft	0.00%	
Nicht zertifizierte Wasserkraft	0.00%	Biomasse naturemade sta	r 8.80%	
Solar naturemade star	1.85%	Kehrichtverbrennung	0.00%	
Solar	0.00%	Geförderter Strom	0.00%	

Umweltkennwerte pro kWh Strom.

ewz.pronatur	Anteil	KEA ne	KEA total (PEF)	Klima- wandel	Ökologische Knappheit	ReCiPe 2016
	%	kWh-eq	kWh-eq	g CO ₂ -eq	UBP21-Punkte	Milli-Punkte
Wasserkraftwerke	81.89%	0.02	0.93	7.78	58.16	0.53
Kleinwasserkraftwerke	0.83%	0.00	0.01	0.08	0.60	0.01
Photovoltaikanlagen	1.85%	0.00	0.02	0.80	2.62	0.04
Solarthermische Kraftwerke	0.00%	0.00	0.00	0.00	0.00	0.00
Windkraftwerke	6.63%	0.00	0.08	0.95	5.37	0.06
Holzkraftwerke	0.00%	0.00	0.00	0.00	0.00	0.00
Biogas Kraftwerke	8.80%	0.01	0.01	14.73	25.89	0.69
Kernkraftwerke CH	0.00%	0.00	0.00	0.00	0.00	0.00
Kernkraftwerke F	0.00%	0.00	0.00	0.00	0.00	0.00
Kehrichtverbrennungsanlagen	0.00%	0.00	0.00	0.00	0.00	0.00
Erdgaskraftwerke	0.00%	0.00	0.00	0.00	0.00	0.00
Erdölkraftwerke	0.00%	0.00	0.00	0.00	0.00	0.00
Stein- und Braunkohlekraftwerke	0.00%	0.00	0.00	0.00	0.00	0.00
Erdgas GUD	0.00%	0.00	0.00	0.00	0.00	0.00
Unbekannte Herkunft	0.00%	0.00	0.00	0.00	0.00	0.00
Total	100.00%	0.04	1.06	24.34	92.64	1.33

Ergänzende ökologische Informationen.

Fördert den Zubau der erneuerbaren Energien:			Ja
Speist in einen Fonds für ökologische Verbesserungsmassnahmen:			Ja
Treibhausgasemissionen aus Sicht Kund*in	Scope 2	0.81	g CO ₂ -eq / kWh
	Scope 3	23.52	a CO2-ea / kWh

Die grafische Darstellung der Zusammensetzung des Stromproduktes zeigt im Balkendiagramm die Anteile, welche ewz für dieses Produkt produziert respektive beschaft hat, wobei der allenfalls enthaltene geförderte Strom zusammengefasst dargestellt wird. Die Tabelle zeigt die Anteile nach Produktionsart jeweils einschliesslich des geförderten Stroms. Der geförderte Strom besteht zu 47.1 % aus Wasserkraft, zu 20.0 % aus Sonnenenergie, zu 3.6 % aus Windenergie, zu 22.4 % aus Biomasse und zu 6.9% aus Abfallen aus Biomasse und zu 0.0 % Geothermie. Diese Energie stammt aus erneuerbarer Stromproduktion und wird mit Fördergeldern aus der kostendeckenden Einspeisevergütung (KEV) unterstützt. ewz nutzt den zugeleitlen geförderten Strom in den Produkten ewz.econatur, ewz.natur und Erneuerbar-Mix, in denen dieser 6.555 % des Produktes ausmacht.

ewz



Stromkennzeichnung.		
Ihr Stromlieferant: ewz		
Kontakt: www.ewz.ch, Telefon 058 319 41 11		
Bezugsjahr: 2022		
Der an unsere Kunden gelieferte Strom wurde		
produziert aus:		
in %	Total	aus der Schweiz
Erneuerbare Energien	98.6%	37.5%
Wasserkraft	63.3%	30.1%
Übrige Erneuerbare Energien	29.1%	1.3%
- Sonnenenergie	0.6%	0.6%
- Windenergie	28.1%	0.3%
- Biomasse	0.4%	0.4%
- Siedlungsabfälle	0.0%	0.0%
- Geothermie	0.0%	0.0%
Geförderter Strom ¹	6.1%	6.1%
Nicht erneuerbare Energien	1.4%	1.4%
Kernenergie	1.4%	1.4%
Fossile Energieträger	0.0%	0.0%
- Erdöl	0.0%	0.0%
- Erdgas	0.0%	0.0%
- Kohle	0.0%	0.0%
- Siedlungsabfälle	0.0%	0.0%
Total	100.0%	38.9%

¹ Geförderter Strom: 47,1% Wasserkraft, 20,0% Sonnenenergie, 3,6% Windenergie, 22,4% Biomasse, 6,9% Siedlungsabfälle erneuerbar, 0% Geothermie

