

Water Footprint Verification Statement

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Verification Body	Sera Belgelendirme Hizmetleri Ltd. Şti
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Verifiers	Alp BAL
Indipendent Reviewer	Ziya Durucan
Statement Date	11.07.2023
Scope	Electricity production
Reporting Period	01.01.2022 – 31.12.2022
Statement No	S/WP/0203
Data Quality	Data quality was considered acceptable in meeting the principles as set out in ISO 14046:2014.
Approach	Gate to Gate

Proportion of facilities inspected during the verification?	%100
Organisational Boundaries	<ul style="list-style-type: none"> - Kızıldere I Santrali / Karataş Mah. Sarayköy Denizli, 37°57'22.3"N 28°50'31.5"E - Kızıldere II Santrali / Karataş Mah. Sarayköy Denizli, 37°56'59.6"N 28°50'07.7" - Kızıldere III Santrali / Kızıldere Mah. Gökgedik Mevkii, Buharkent Denizli, 37°57'03.7620"N 28°49'06.4059"E
Comments	<p>The direct water footprint inventory was conducted in accordance with the requirements of ISO 14046:2014 Environmental Management – Water Footprint – Principles, Requirements and Guidelines.</p> <p>No material misstatements in this direct water footprint inventory</p>

Water Footprint Inventory Results (Luleburgaz)

Santral	Sources	Source Type	Amount of Water Withdrawn (m3/year)	Total (m3/year)
Kızıldere I	Geothermal	Ground-water (Renewable)	0	73.550.119
Kızıldere II			26.425.639	
Kızıldere III			47.124.480	
Kızıldere I + II + III	DSİ Irrigation Canal	Surface Water	4.390	4.390

Usage Area	Tüketim Miktarı (m3)
Injection into the reservoir	67.708.437
Cooling tower evaporation	0
NCG in-system vapor loss	102.586
Sent from the cooling tower to the RO	0
Motel, Greenhouse, Heating	332.400
TOPLAM	68.143.423

Contaminant Parameters

Parameters	Pollutant Flow (ton)
KOI	0,634
BOI	0,135
AKM	0,280

Wells within reporting Boundaries

Facility	Well	Well Type
Kızıldere I	KD 14	Production Well
Kızıldere I	KD 15	Production Well
Kızıldere I	KD 16	Production Well
Kızıldere I	KD 20	Production Well
Kızıldere I	KD 21	Production Well
Kızıldere I	KD 22	Production Well
Kızıldere I	R 1A	Production Well
Kızıldere I	R 6	Production Well
Kızıldere II	KD 2A	Production Well
Kızıldere II	KD 9A	Production Well
Kızıldere II	KD 5A	Production Well
Kızıldere II	KD 42	Production Well

Facility	Well	Well Type
Kızıldere II	KD 23B	Production Well
Kızıldere II	KD 23D	Production Well
Kızıldere II	KD 29	Production Well
Kızıldere II	KD 18A	Production Well
Kızıldere II	R 3A	Production Well
Kızıldere II	R 1	Production Well
Kızıldere III	KD 50A	Production Well
Kızıldere III	KD 54	Production Well
Kızıldere III	KD 54A	Production Well
Kızıldere III	KD 63	Production Well
Kızıldere III	KD 64	Production Well
Kızıldere III	KD 43	Production Well
Kızıldere III	KD 45	Production Well
Kızıldere III	KD 47	Production Well
Kızıldere III	KD 49	Production Well
Kızıldere III	KD 55	Production Well
Kızıldere III	KD 58	Production Well
Kızıldere III	KD 59	Production Well
Kızıldere III	KD 60	Production Well
Kızıldere III	KD 61	Production Well
Kızıldere I & II	KD 23C	Injection Well
Kızıldere I & II	KD 28A	Injection Well
Kızıldere I & II	KD 28B	Injection Well
Kızıldere I & II	KD 32A	Injection Well
Kızıldere I & II	KD 33A	Injection Well
Kızıldere I & II	KD 35A	Injection Well
Kızıldere I & II	KD 38A	Injection Well
Kızıldere I & II	KD 38C	Injection Well
Kızıldere I & II	KT 1	Injection Well
Kızıldere I & II	KD 25A	Injection Well
Kızıldere I & II	KD 27A	Injection Well
Kızıldere I & II	R 2	Injection Well

Facility	Well	Well Type
Kızıldere III	KDE 2	Injection Well
Kızıldere III	KDE 2A	Injection Well
Kızıldere III	KDE 11	Injection Well
Kızıldere III	KDE 11A	Injection Well
Kızıldere III	KD 41	Injection Well
Kızıldere III	KD 44	Injection Well
Kızıldere III	KD 44A	Injection Well
Kızıldere III	KD 44B	Injection Well
Kızıldere III	KD 46	Injection Well
Kızıldere III	KD 46A	Injection Well
Kızıldere III	KD 50	Injection Well