

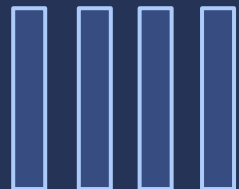


WATER FLOW AND ENERGY PRODUCTION

Daily report from Syrian Euphrates Dams

A report containing the daily data for water flow and energy production from {Tishrin (Rojava) - Tabqa (Furat) - Bath(Azadi)} dams, which measured by General Administration of dams in NES and Edited by HDC Organisation.

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WATER FLOW AND ENERGY PRODUCTION

ABBREVIATIONS:

- Q_{in}:** Income flow from Jarabulus.
Q_{out}: The flow out of dams.
L: Lake level of dam from sea level.
E: Energy produced by turbines.

Date: 5/10/2021 Tuesday

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Q_{in}: m³/sec

TABLE 1: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	Q ^(out) m ³ /sec	L (m)	E (kwh)
Tishrin			
Tabqa			
Bath			

TABLE 2: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)			
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)			
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 6/10/2021 Wednesday

Q_{in} : 244 m³/sec

TABLE 3: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	242	321.70	1,217,000
Tabqa	200	297.61	1,665,000
Bath	209	255.65	387,000

TABLE 4: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.70	297.61	255.65
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,217,000	1,665,000	387,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 7/10/2021 Thursday

Q_{in} : 235 m³/sec

TABLE 5: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	240	321.68	1,207,000
Tabqa	204	297.59	1,695,000
Bath	200	255.65	371,000

TABLE 6: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.68	297.59	255.65
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,207,000	1,695,000	371,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 8/10/2021 Friday

Q_{in} : 238 m³/sec

TABLE 7: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	238	321.67	1,197,000
Tabqa	224	297.58	1,862,000
Bath	198	255.69	367,000

TABLE 8: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.67	297.58	255.69
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,197,000	1,862,000	367,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 9/10/2021 Saturday

Q_{in} : 233 m³/sec

TABLE 9: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	232	321.66	1,166,000
Tabqa	187	297.57	1,550,000
Bath	198	255.68	366,000

TABLE 10: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.66	297.57	255.68
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,166,000	1,550,000	366,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 10/10/2021 Sunday

Q_{in} : 227 m³/sec

TABLE 11: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	253	321.63	1,274,000
Tabqa	201	297.56	1,670,000
Bath	197	255.69	362,000

TABLE 12: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.63	297.56	255.69
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,274,000	1,670,000	362,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400

Date: 11/10/2021 Monday

Q_{in} : 245 m³/sec

TABLE 13: CURRENT WATER FLOW, ENERGY PRODUCTION AND LAKE LEVEL

Dam	$Q_{(out)}$ m ³ /sec	L (m)	E (kwh)
Tishrin	244	321.62	1,228,000
Tabqa	200	297.55	1,665,000
Bath	213	255.64	381,000

TABLE 14: COMPARING BETWEEN CURRENT AND NORMAL OPERATE STATE

Dam	Tishrin	Tabqa	Bath
Current Lake level (m)	321.62	297.55	255.64
Minimum Lake level (dead level) (m)	320	296.1	254.6
Current hydroelectric energy produced (kwh)	1,228,000	1,665,000	381,000
Nominal hydroelectric energy production (kwh)	15,120,000	21,120,000	1,814,400