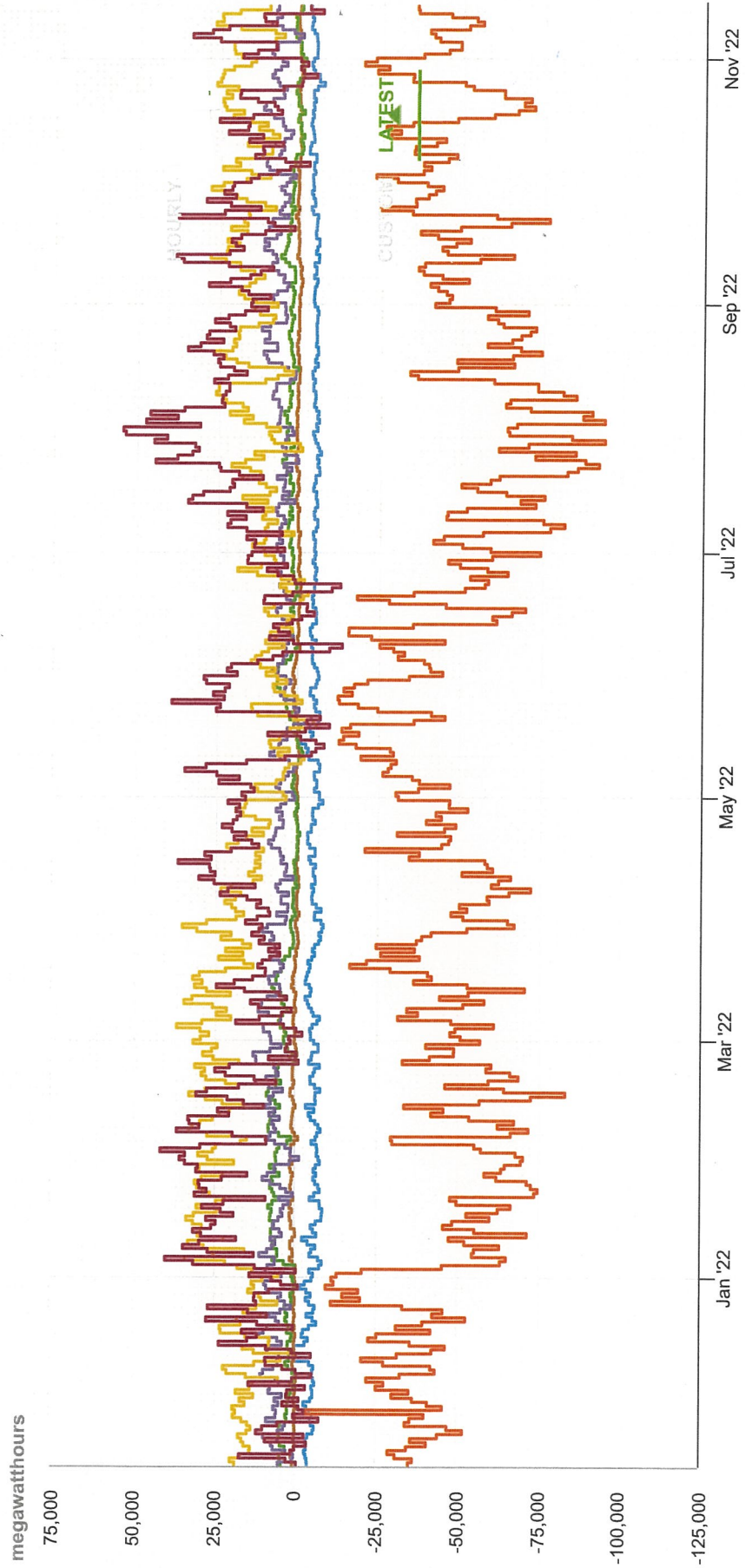




Tennessee Valley Authority (TVA) electricity interchange with neighboring balancing authorities 11/15/2021 – 11/14/2022, Central Time



Source: U.S. Energy Information Administration

Authority/Region

TVA Interchange Chart - Legend

When the line is **BELOW Zero**, it means power flows **INTO** TVA territory; When the line is **above ZERO**, it means power flows **OUT** of TVA territory.

TVA – Tennessee Valley Authority

MISO – Midcontinent Independent System Operator

SOCO – The Southern Companies (Georgia, Alabama, Mississippi)

DUK – Duke Energy (North Carolina, South Carolina)

PJM – PJM Interconnection (Pennsylvania, New Jersey, Maryland, Virginia, West Virginia, Delaware, etc)

LGEE – Louisville Gas & Electric Company and Kentucky Utilities Company

CPLW – Duke Energy Progress West (merged entity of Duke Energy and Progress Energy; NC, SC, Ohio, Kentucky, Indiana and Florida)

AECI – Associated Electric Cooperative Inc. (Missouri, Iowa, Oklahoma)

Date Range: Nov 15, 2021 – November 14, 2022

Source Data: https://www.eia.gov/electricity/gridmonitor/expanded-view/electric_overview/balancing_authority/TVA/InterchangeWithNeighbor-15/edit

**Extreme Weather Months 2022 - Shelby County, TN
TVA Interchange Data with MISO**

Month of February 2022 (MLGW ice storm)			
	TVA total MW demand	MISO MW flow into TVA	MISO Flow % of TVA demand
2/1/2022	466,516	57,516	12.3%
2/2/2022	449,007	55,500	12.4%
2/3/2022	468,667	30,106	6.4%
2/4/2022	550,671	29,634	5.4%
2/5/2022	561,092	66,712	11.9%
2/6/2022	522,343	72,229	13.8%
2/7/2022	526,953	62,705	11.9%
2/8/2022	508,863	67,732	13.3%
2/9/2022	466,292	53,880	11.6%
2/10/2022	450,089	42,082	9.3%
2/11/2022	427,720	45,867	10.7%
2/12/2022	435,269	33,720	7.7%
2/13/2022	502,233	57,055	11.4%
2/14/2022	515,241	72,902	14.1%
2/15/2022	473,018	83,499	17.7%
2/16/2022	415,133	64,547	15.5%
2/17/2022	393,642	46,417	11.8%
2/18/2022	495,983	59,800	12.1%
2/19/2022	491,039	69,035	14.1%
2/20/2022	447,304	66,465	14.9%
2/21/2022	425,500	59,097	13.9%
2/22/2022	398,336	60,591	15.2%
2/23/2022	439,740	33,206	7.6%
2/24/2022	459,522	41,602	9.1%
2/25/2022	484,624	48,964	10.1%
2/26/2022	499,692	49,082	9.8%
2/27/2022	453,829	40,408	8.9%
2/28/2022	469,952	57,130	12.2%
			<u>11.6% avg</u>

Month of July 2022 (month-long heat wave)			
	TVA total MW demand	MISO MW flow into TVA	MISO Flow % of TVA demand
7/1/2022	551,189	59,509	10.8%
7/2/2022	526,371	50,794	9.6%
7/3/2022	503,886	41,765	8.3%
7/4/2022	532,476	44,982	8.4%
7/5/2022	591,607	57,108	9.7%
7/6/2022	589,444	77,950	13.2%
7/7/2022	567,615	82,356	14.5%
7/8/2022	583,914	75,771	13.0%
7/9/2022	521,990	45,829	8.8%
7/10/2022	489,817	46,123	9.4%
7/11/2022	535,822	52,026	9.7%
7/12/2022	563,139	73,284	13.0%
7/13/2022	523,440	68,679	13.1%
7/14/2022	535,545	76,042	14.2%
7/15/2022	546,411	64,240	11.8%
7/16/2022	540,940	55,188	10.2%
7/17/2022	532,882	50,325	9.4%
7/18/2022	520,275	59,341	11.4%
7/19/2022	542,904	62,059	11.4%
7/20/2022	602,069	83,136	13.8%
7/21/2022	589,204	86,325	14.7%
7/22/2022	578,388	92,874	16.1%
7/23/2022	563,640	88,696	15.7%
7/24/2022	557,237	73,153	13.1%
7/25/2022	567,814	85,672	15.1%
7/26/2022	565,555	61,786	10.9%
7/27/2022	588,830	71,023	12.1%
7/28/2022	570,390	94,683	16.6%
7/29/2022	521,656	84,468	16.2%
7/30/2022	486,334	64,994	13.4%
7/31/2022	470,597	64,454	13.7%
			<u>12.3% avg</u>

Source: https://www.eia.gov/electricity/gridmonitor/dashboard/electric_overview/balancing_authority/TVA