



HS1 Ltd – List of Electricity Consumption Rates and Prices

Part 1 – Rolling Stock Consumption Rates (effective from 8th January 2017)

a) Domestic High Speed Passenger and Ancillary Services (Class 395)

Service Type	Service Group Code	Train Length	Consumption Rate
Between London St Pancras and Ashford (Peak)	24647000	6	18.528
Between London St Pancras and Ashford (Peak)	24647000	12	35.632
Between London St Pancras and Ashford (Non Peak)	24647004	6	19.980
Between London St Pancras and Ashford (Non Peak)	24647004	12	38.485
Between London St Pancras and Springhead Rd (Peak) - calling Stratford only	24646000	6	22.688
Between London St Pancras and Springhead Rd (Peak) - calling Stratford only	24646000	12	43.068
Between London St Pancras and Springhead Rd (Peak) - calling Ebbsfleet and Stratford	24648000	6	22.912
Between London St Pancras and Springhead Rd (Peak) - calling Ebbsfleet and Stratford	24648000	12	43.598
Between London St Pancras and Springhead Rd (Non Peak) - calling Ebbsfleet and Stratford	24648004	6	22.912
Between London St Pancras and Springhead Rd (Non Peak) - calling Ebbsfleet and Stratford	24648004	12	43.598
London St Pancras / Ebbsfleet Shuttles (Peak)	24649000	6	22.912
London St Pancras / Ebbsfleet Shuttles (Peak)	24649000	12	43.598
London St Pancras / Ebbsfleet Shuttles (Non Peak)	24649004	6	22.912
London St Pancras / Ebbsfleet Shuttles (Non Peak)	24649004	12	43.598
ECS (except to and from Temple Mills Depot)	24649009	6	16.754
ECS (except to and from Temple Mills Depot)	24649009	12	31.875
ECS (to and from Temple Mills Depot)	24649019	6	30.463
ECS (to and from Temple Mills Depot)	24649019	12	51.676



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b) International High Speed Passenger and Ancillary Services (Class 373)

Service Type	Train Service Code	Consumption Rate (Kilowatt Hour/Km.)
Between Eurotunnel and London St. Pancras (not stopping at intermediate HS1 stations)	81010001	38.498
Between Eurotunnel and London St. Pancras (stopping at Ashford International)	81010002	40.272
Between Eurotunnel and London St. Pancras (stopping at Ebbsfleet International)	81010003	40.449
Between Eurotunnel and London St. Pancras (stopping at Ashford International and Ebbsfleet International)	81010004	42.229
Between London St. Pancras and Temple Mills Depot	81004009	38.0

International High Speed Passenger and Ancillary Services (Class 374)

Service Type	Train Service Code	Consumption Rate (Kilowatt Hour/Km.)
Between Eurotunnel and London St. Pancras (not stopping at intermediate HS1 stations)	81010001	41.800
Between Eurotunnel and London St. Pancras (stopping at Ashford International)	81010002	43.726
Between Eurotunnel and London St. Pancras (stopping at Ebbsfleet International)	81010003	44.000
Between Eurotunnel and London St. Pancras (stopping at Ashford International and Ebbsfleet International)	81010004	45.936
Between London St. Pancras and Temple Mills Depot	81004009	40.000



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Part 2 – Tariff List 1st April 2018 to 31st March 2019.

The rates published are indicative. Actual rates will depend on commodity prices achieved and additional charges imposed by the Government.

HS1 purchases its electricity via a flexible purchasing strategy spread across the 24 months leading up to delivery. The strategy dictates that some energy is purchased as ‘seasons’ and some as ‘month ahead’ contracts in order to effectively hedge wholesale market risk. The total weighted average price paid for a monthly delivery period will not be known until all of the volume has been purchased and therefore average costs across a season can only be confirmed in the final month of that season.

Indications provided comprise of the weighted average of all closed and open positions valued at current wholesale market rates as of (enter date of Budget Tool) but actual prices are subject to the end of year “wash up”.

HS1 Traction Rates

p/
kWh

		Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
Day	07:00 – 00:00	9.653	9.653	9.653	9.728	9.728	9.728	10.253	11.665	11.430	11.595	11.614	10.212
Night	00:00 – 07:00	8.386	8.386	8.386	8.461	8.461	8.461	8.986	8.986	8.986	8.945	8.945	8.945

HS1 Non-traction Rates

p/
kWh

		Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
Day	07:00 – 00:00	13.475	13.475	13.475	13.550	13.550	13.550	14.075	15.348	15.147	15.259	15.256	14.034
Night	00:00 – 07:00	11.615	11.615	11.615	11.690	11.690	11.690	12.215	12.215	12.215	12.174	12.174	12.174