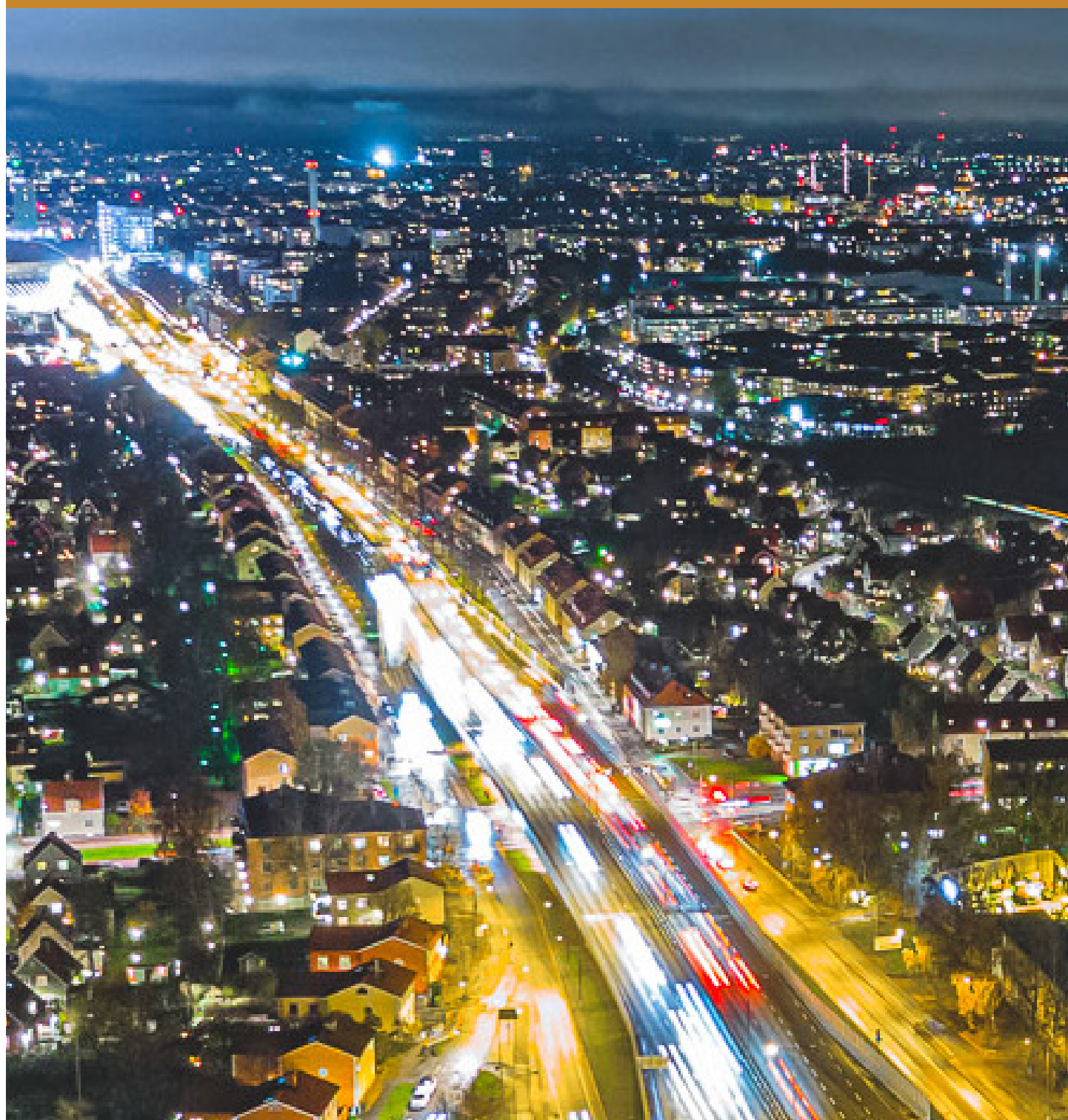


10-YEAR GRID INVESTMENT PLAN 2020-2029



ABOUT SVENSKA KRAFTNÄT

Svenska kraftnät is a state owned enterprise with the task of maintaining Sweden's transmission grid for electricity, which consists of about 17,000 kilometres of 400 kV and 220 kV transmission lines with substations and interconnectors. Svenska kraftnät is also the system operator for electricity in Sweden.

Svenska kraftnät develops the transmission grid and the electricity market to meet society's need for a secure, sustainable and cost-effective supply of electricity. In this, Svenska kraftnät plays an important role in implementing national climate policies.

Photograf: Tomas Ärlemo



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10-year grid investment plan

This report on transmission grid investments constitutes a part of Svenska kraftnät's System Development Plan 2020–2029, published December 18, 2019. The complete plan is only available in Swedish and can be found at: www.svk.se/systemutvecklingsplan.

This 10-year grid investment plan details the transmission grid investments that Svenska kraftnät today plan to realise during the 10-year period of 2020–2029. The projects reported in the plan constitute today's best assessment. New projects will gradually be added whilst others will be removed or adjusted in time and scope. This is an inevitable consequence of the many parameters that influence the conditions and drivers for making investments. The basic assumptions of the investment plan are also constantly being developed, for example, opportunities for outages and availability of resources.

The investments are mainly divided into the electricity bidding areas used in Sweden. In each electricity bidding area, the projects are presented in tables and geographically in maps¹. In this plan, we have, to a greater degree than before, chosen to group projects according to how we refer to them in other contexts to make identification easier.

The projects are divided into the three phases: under consideration, preparation and construction. These phases are defined differently than in the previous System Development Plan 2018–2027. The purpose of the change is to better reflect the work methods used by Svenska kraftnät but also to clarify when a project goes from preparatory work, such as design, permit application, etc., to the start of construction.

Projects under consideration

A project is classified as being under consideration when there is an ongoing investigation regarding whether the conditions are right for an investment to be made. The category also includes projects for which such an investigation has not yet been started but for which a clear need has been identified for starting measures in the next ten years. The majority of the latter type refer to reinvestments of facilities that are nearing the end of their technical lifespan which need to be initiated within the ten-year period. In the case that the conditions for projects to connect external parties have not yet been investigated, the projects have not been included.

In this phase, investigations include grid studies, feasibility analyses and socio-economic profitability assessments. In projects with external parties, work to draw

¹ Data source background maps © Lantmäteriet

up agreements takes place. It is in the phase under consideration that there is the greatest uncertainty as to whether a project will proceed or not, and if so, when.

A project moves to the preparation phase when a formal decision has been made to commence preparatory work according to Svenska kraftnät's current decision-making process.

Projects in preparation phase

A project is classified as being in the preparation phase when a formal decision has been made to commence preparatory work but the final investment decision on whether to proceed with the realisation has not been made. In this phase, an in-depth technical design is made. For transmission lines, public consultations and licensing is also done. In the preparation phase, after a concession (if required) is rewarded, the contracting services needed in the project are procured to obtain an accurate cost but the contract is not signed until the final investment decision is made to go ahead with the investment.

In some cases, projects in the preparation phase are not realised. This may be because the motives behind the measures no longer are sufficient, but more often it is projects dealing with connection of external parties that are cancelled. In these cases, Svenska kraftnät is not the sole responsible in the decision-making process. Realising the project may be dependent on a wind-power developer obtaining financing for their project in order to be able to sign a connection agreement with Svenska kraftnät.

Projects in construction phase

A project is classified as being in the construction phase when Svenska kraftnät has made the final investment decision to proceed and to enter an agreement with the main contractor. Only in exceptional cases will ongoing projects be cancelled, but changes to time plans or cost estimates may occur.

Table keys

The tables for each electricity bidding area and phase contain the following information:

No.: serial number shown on the map.

Project: short description of the measures included in the project.

Start preparation phase: planned time at which the investigation is to be completed and a decision is made to proceed with the preparation phase. Projects for which the preparation phase is planned to start after 2029 have not been included.

Commissioned: planned time at which the facility will come into operation. If commissioning in phases, the interval indicates the earliest and latest times respectively.

Cost (MSEK): the total estimated expenditure including investments and costs. Uncertainties in the estimate are greater in the earlier project phases. Therefore, the expenditure is indicated as a range. As such, the sum of these amounts may not correspond to the amounts indicated in other publications. Projects for which expenditure is estimated to be under five million SEK have not been included in the tables.

Driving force: the project drivers can be divided up into Connection, Market Integration, System Reinforcement and Reinvestment. The tables indicate each project's main driving force.

No. of substations/lines: indicates the number of substations or transmission lines that are affected by measures in the grouping shown.

Km to build: number of kilometres of transmission line to be built in the grouping shown.

Km to decommission: number of kilometres of transmission line to be decommissioned in the grouping shown.

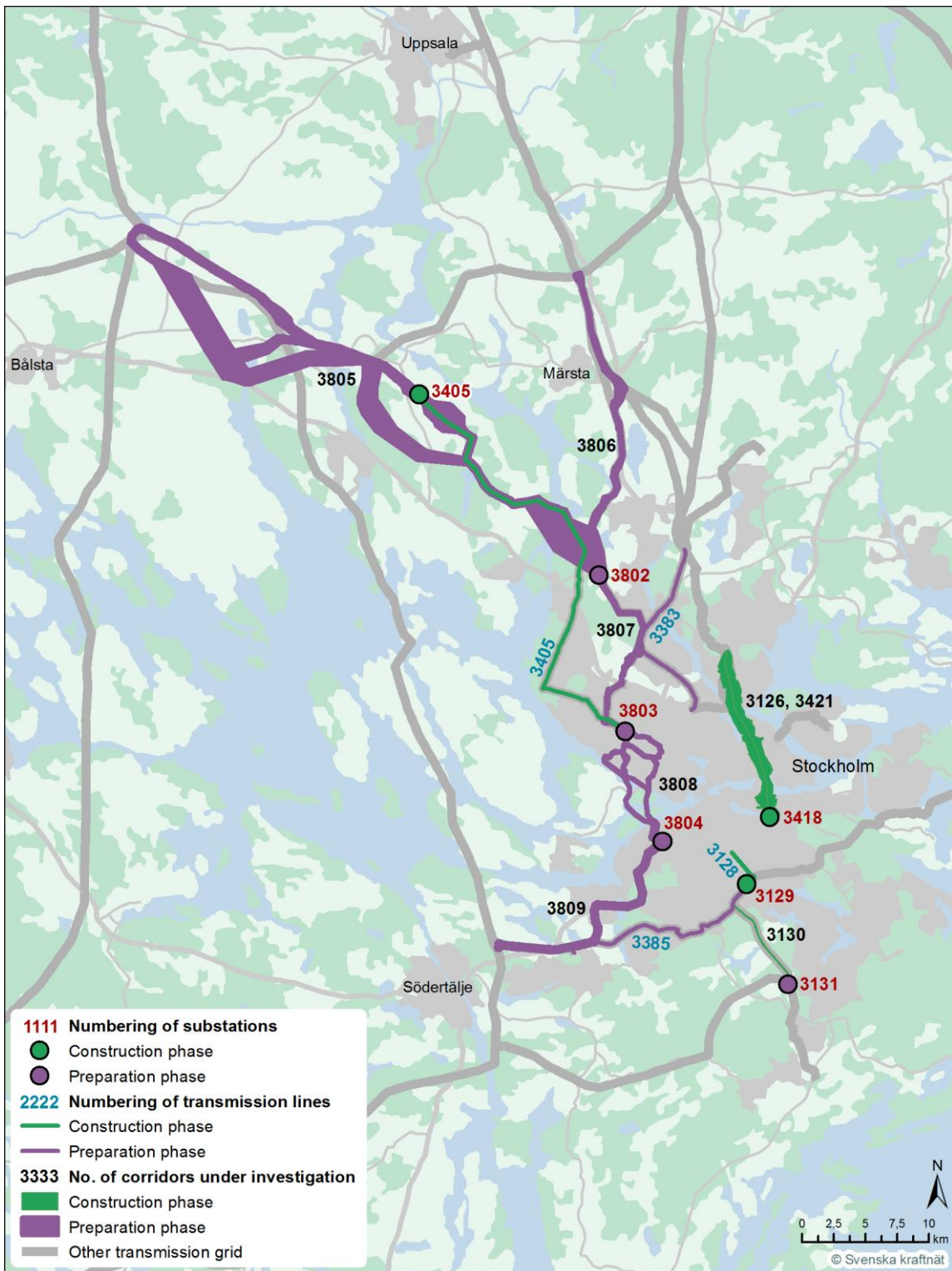
Stockholms Ström and Storstockholm Väst

Projects in construction phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3126	Anneberg-Skanstull tunnel	2017-2024	1 850	System Reinforcement
3405	Håtuna-Beckomberga rivning inkl ändrad anslutning	2017-2020	60	Reinvestment
3129	Snösätra Station	2019-2022	490	System Reinforcement
3131	Ekudden Station	2021	260	System Reinforcement
3418	Skanstull Station	2022	750	System Reinforcement
3128	Örby-Snösätra och Snösätra Högdalen Markkabel	2022	500	System Reinforcement
3130	Snösätra-Ekudden luftledning	2022	250	System Reinforcement

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3385	Lindhov-Högdalen rivning inkl omkoppling Hågelby	2023	10	Reinvestment
3421	Anneberg-Skanstull Kabelsystem 400 kV	2026	1 100	System Reinforcement
3802	Överby ny 400 kV-station	2026-2029	290	System Reinforcement
3803	Beckomberga ny 400 kV-station	2027	430	System Reinforcement
3808	Beckomberga-Bredäng ny 400 kV-ledning	2027	1 000	System Reinforcement
3806	Odensala-Överby ny 400 kV-ledning	2027	560	System Reinforcement
3807	Överby-Beckomberga ny 400 kV-ledning	2027	1 300	System Reinforcement
3383	Hagby-Järva Rivning RL15/RL17	2027	20	Reinvestment
3804	Bredäng ny 400 kV-station	2028	300	System Reinforcement
3805	Hamra-Överby ny 400 kV-ledning	2028	800	System Reinforcement
3809	Bredäng-Kolbotten ny 400 kV-ledning	2028	1 050	System Reinforcement



Västkustpaketet

Projects in construction phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
4425	Hurva-Sege ledningsförnyelse	2021-2022	650	Market Integration

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
4654	Barsebäck-Sege ledningsförnyelse	2023	340	Reinvestment
4653	Söderåsen-Barsebäck ledningsförnyelse	2024	600	Reinvestment
3634	Stenkullen-Horred ledningsförnyelse	2025	460	Reinvestment
4652	Breared-Söderåsen ledningsförnyelse	2025-2026	550	Reinvestment
3619	Skogssäter-Kilanda ledningsförnyelse	2027	600	Reinvestment
3640	Horred-Breared ledningsförnyelse	2028	750	Reinvestment

Projects under consideration

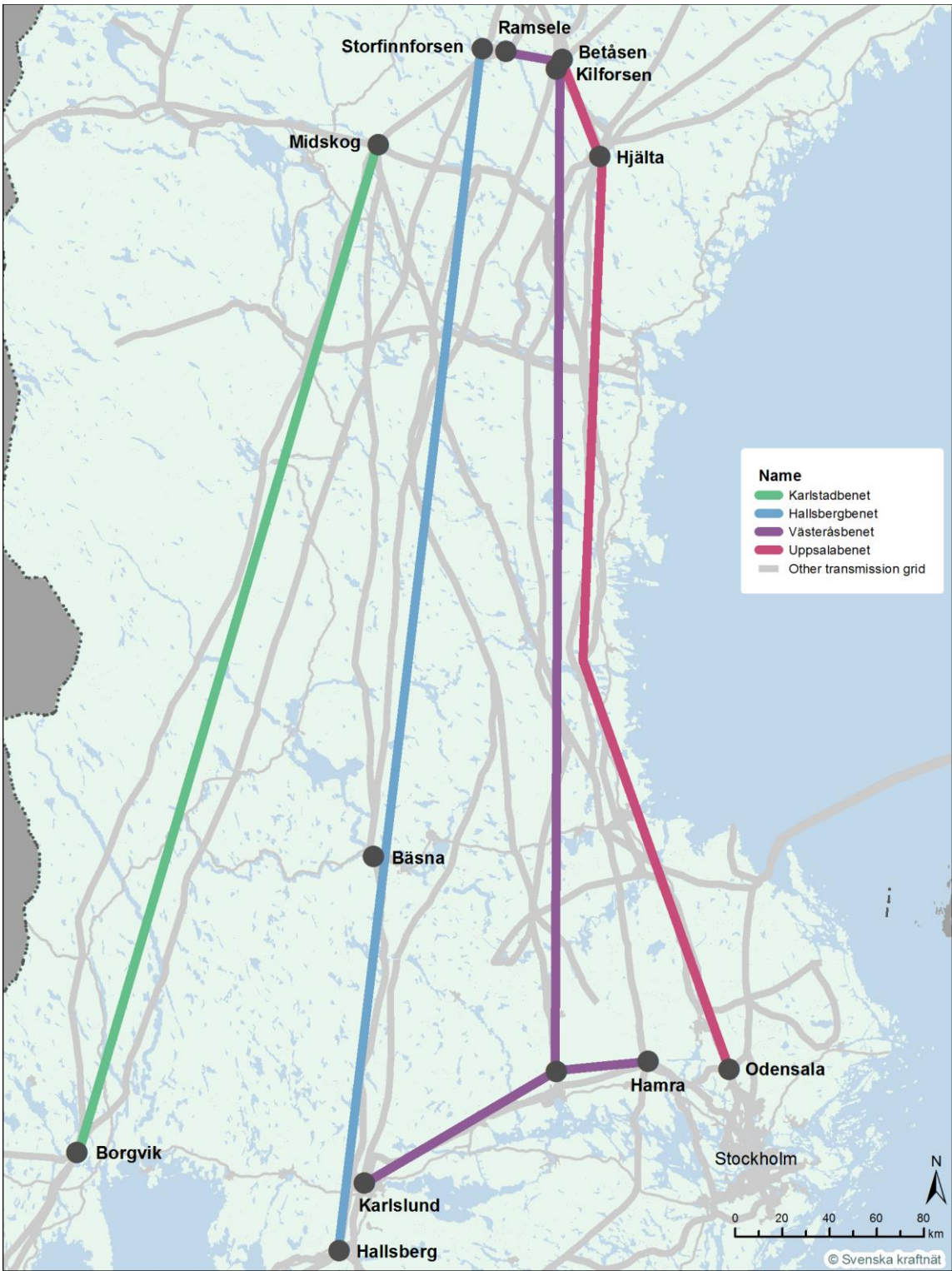
NO.	PROJECT	START OF PREP. PHASE	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3647	Kilanda-Stenkullen FL5 och CL32 ledningsförnyelse	2020	2026	2 000-3 000	Reinvestment



NordSyd

Projects under consideration

PROJECT	NO. OF SUB- STATIONS	KM TO BUILD	KM TO DE- COMMISSION	START OF PREP. PHASE	COMMISSIONED	COST (MSEK)
Uppsalabenet	13	4505	700	2020	2020–2037	10 000-12 000
Västeråsbenet	16	650	950	2020	2024–2037	16 000-18 000
Hallsbergbenet	3	500	500	2027	2037–2041	13 000-14 000
Karlstadbenet	2	450	450	2025	2035–2038	11 000-12 000



Connections under consideration

NO.	PROJECT	BIDDING AREA
1050	Trolltjärn ny transformator Markbygden etapp 3	SE1
1050	Trolltjärn ny transformator Markbygden etapp 3	SE1
1304	Råbäcken ny transformator T3 Markbygden etapp 3	SE1
1990	Granlandet anslutning vindkraft	SE1
1989	Pålkem (Hällberget) anslutning vindkraft	SE1
2580	Midskog anslutning industri	SE2
2570	Moliden anslutning transformator	SE2
2975	Tuggen anslutning vindkraft	SE2
2819	Betåsen anslutning Krange Vind-klustret	SE2
2939	Hammarstrand ny station	SE2
2582	Helgum anslutning vindkraft	SE2
2682	Järnvägsforsen anslutning vindkraft	SE2
2965	Midskog anslutning last	SE2
2283	Doroklustret anslutning vindkraft	SE2
2833	Nässe ny 400/130 kV-station	SE2
2260	Stugunklustret anslutning vindkraft	SE2
3988	Romelanda ny 400/130 kV-station	SE3
3356	Ängsberg ny 130 kV-anslutning	SE3
3982	Tandö ny 400 kV-station anslutning vindkraft	SE3
3763	Tuna ny 400/220 kV-transformator	SE3
3742	Ekhyddan Nord ny station anslutning vindkraft	SE3
4288	Hageskruv ny station anslutning vindkraft	SE4
4847	Breared Syd ny station anslutning havsbaserad vindkraft	SE4
4738	Barsebäck anslutning vindkraft	SE4
4686	Nybro Syd ny 400 kV-station anslutning vindkraft	SE4
4740	Nybro Nord ny station anslutning vindkraft	SE4
	Sum of costs (MSEK)	3 100



Projects in bidding area SE1

Projects in construction phase

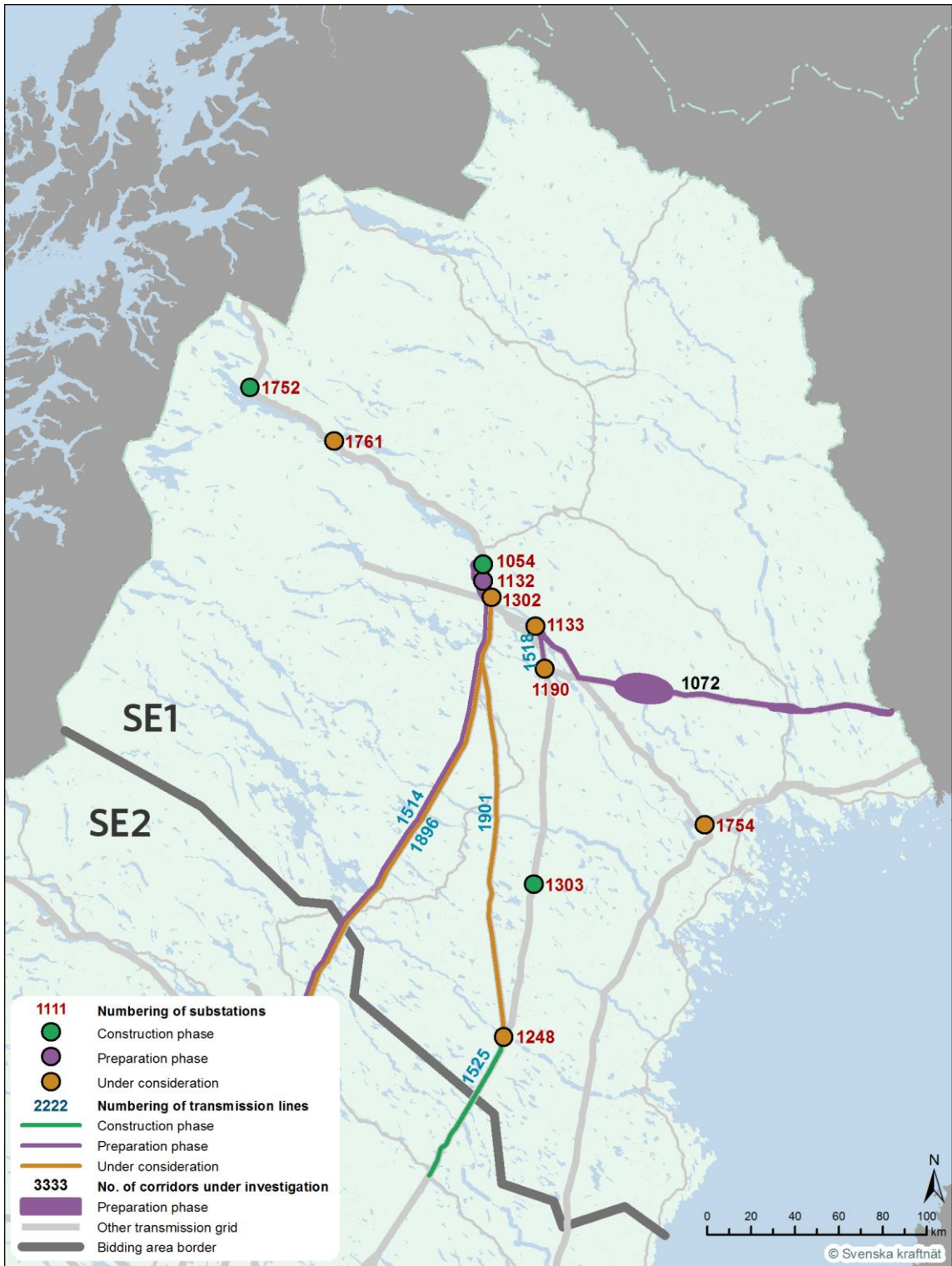
NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
1054	Porjusberget stationsförnyelse Porjus	2018-2021	210	Reinvestment
1303	Trolltjärn ny 400 kV-station	2020	130	Connection
1752	Ritsem stationsförnyelse	2021	140	Reinvestment
1525	Vargfors-Tuggen statusåtgärder	2021	35	Reinvestment

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
1514	Porjus-Grundfors opto och statusåtgärder	2020	80	Reinvestment
1132	Harsprånget stationsförnyelse	2022	220	Reinvestment
1518	Messaure-Letsi opto	2022	5	Reinvestment
1072	Messaure-Keminmaa ny 400 kV-ledning	2025-2026	1700	Market Integration

Projects under consideration

NO.	PROJECT	START OF PREP.PHASE	COMMISSIONED	COST (MSEK)	DRIVING FORCE
1190	Letsi stationsförnyelse	2020	2024	100-250	Reinvestment
1302	Ligga stationsförnyelse	2020	2024	100-250	Reinvestment
1133	Messaure stationsförnyelse	2020	2024	25-100	Reinvestment
1754	Svartbyn stationsförnyelse	2022	2025	100-250	Reinvestment
1248	Vargfors stationsförnyelse	2022	2027	100-250	Reinvestment
1761	Vietas stationsförnyelse	2024	2027	25-100	Reinvestment
1901	Ligga-Vargfors ledningsförnyelse	2027	2037	2 000-3 000	Reinvestment
1896	Porjus-Grundfors ledningsförnyelse	2027	2037	3 000-4 000	Reinvestment



Projects in bidding area SE2

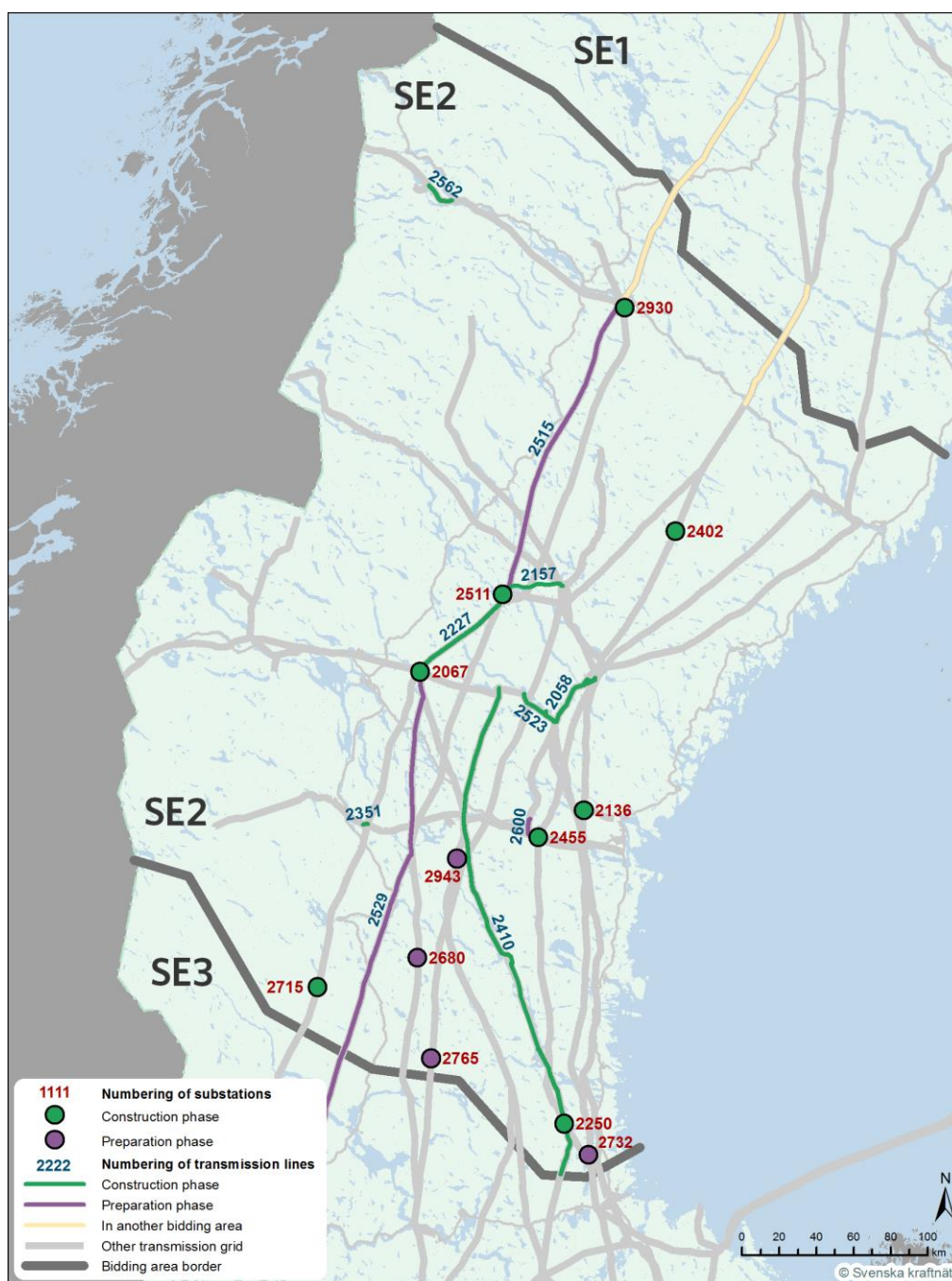
Projects in construction phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
2250	Grönviken ny 400/130 kV-station	2019-2020	180	Connection
2058	Hjälta-området stations- och ledningsåtgärder	2019-2020	300	System Reinforcement
2410	Krångede-Horndal	2019-2020	210	Reinvestment
2529	Midskog-Kättbo statusåtgärder	2019-2020	10	Reinvestment
2351	Rätan förnyelse omstrukturering och anslutning vindkraft	2019-2024	420	Reinvestment
2455	Stöde stationsförnyelse	2019-2020	130	Reinvestment
2562	Ajaure-avgr Gejmån statusåtgärder	2020	10	Reinvestment
	Avveckling av frånskiljare 9 påstick i område Norr	2020	10	Reinvestment
2523	Hammarforsen-avgr Svarthålsforsen statusåtgärder	2020	10	Reinvestment
2136	Nysäter anslutning vindkraft etapp 2	2020	5	Connection
2157	Långbjörn-Storfinnforsen ny 400 kV-ledning	2020-2022	490	System Reinforcement
2067	Midskog stationsförnyelse och anslutning vindkraft	2020-2021	600	Reinvestment
2511	Storfinnforsen anslutning vindkraft	2020-2021	15	Connection
2402	Norrtjärn ny 400/130 kV-station	2021	100	Connection
2227	Storfinnforsen-Midskog ledningsförnyelse	2022	600	System Reinforcement
2930	Grundfors stationsförnyelse och anslutning vindkraft	2022-2023	290	Reinvestment
2715	Olingan ny 400 kV-station	2022	140	Connection

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
2680	Torpberget ny 400 kV-station anslutning vindkraft	2021	120	Connection
2515	Grundfors-Storfinnforsen opto och statusåtgärder	2022	35	Reinvestment

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
2600	Torpshammar-avgr Torpshammar ledningsförnyelse	2022	40	Reinvestment
2943	Tovåsen ny 400 kV-station	2022	100	Connection
2732	Vittersjö förnyelse kontrollanläggning	2022	40	Reinvestment
2765	Gäddtjärn ny 400 kV-station och förnyelse EK4 Djurmo	2023	230	Connection

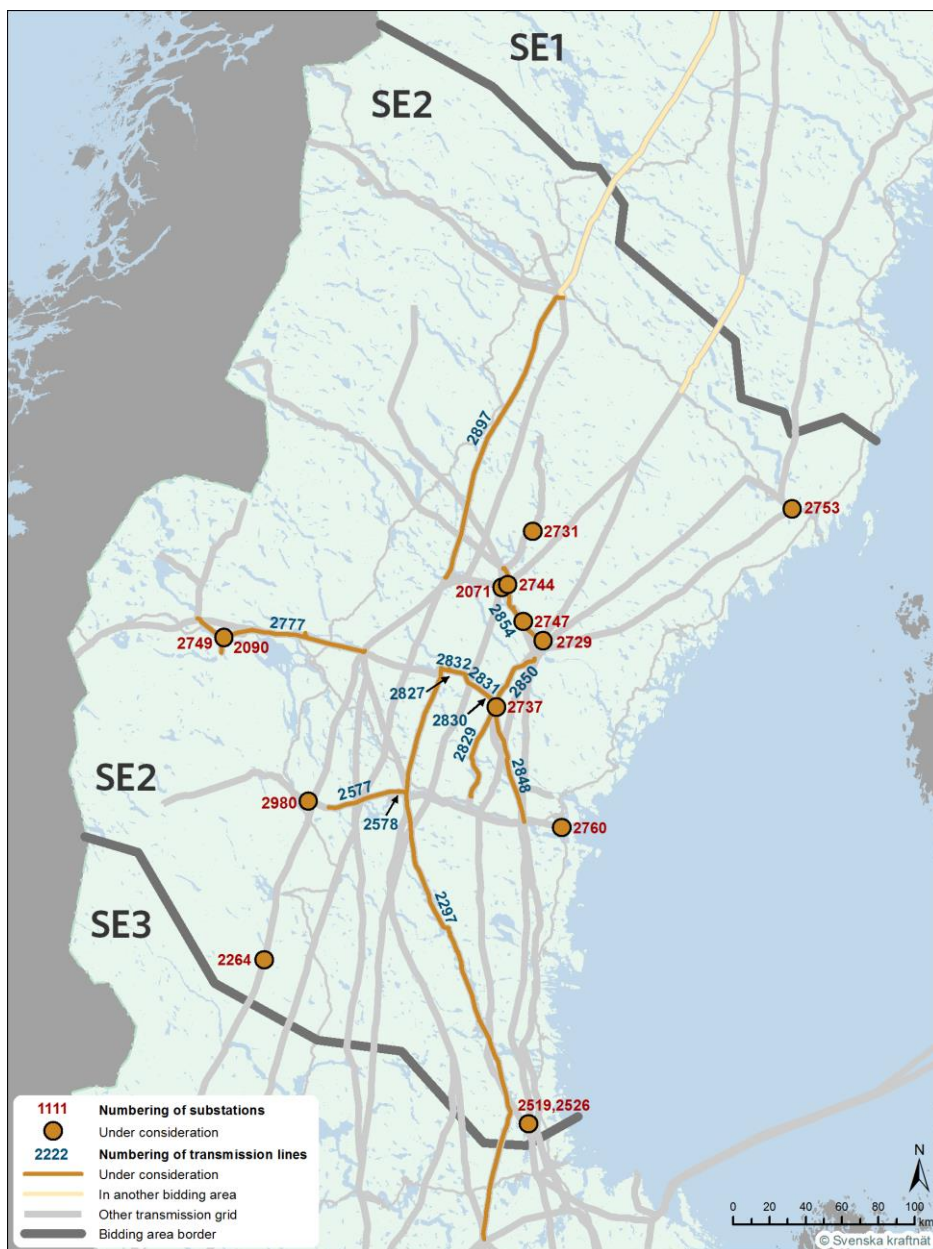


Projects in bidding area SE2

Projects under consideration

NO.	PROJECT	START		COST (MSEK)	DRIVING FORCE
		PHASE START	COMMISSIONED		
2071	Kilforsen stationsförnyelse	2020	2023	100-250	Reinvestment
2753	Stornorrfors stationsförnyelse	2020	2023	100-250	Reinvestment
2264	Olingan ny seriekondensator	2021	2024	100-250	System Reinforcement
2760	Vaple stationsförnyelse	2021	2024	25-100	Reinvestment
2297	KL1 och KL2 livstidsförlängning	2020	2025-2026	100-250	Reinvestment
2744	Lasele stationsförnyelse	2021	2025-2026	25-100	Reinvestment
2749	Mörsil stationsförnyelse	2021	2025	25-100	Reinvestment
2090	Utbyte av reaktor X1 i Mörsil	2021	2025	5-25	Reinvestment
2729	Forsmo stationsförnyelse	2021	2026	25-100	Reinvestment
2980	Rätan stationsförnyelse	2021	2026	25-100	Reinvestment
2832	Hammarforsen-Krångede ledningsförnyelse	2021	2027	25-100	Reinvestment
2831	Hammarforsen-avgr Svarthålforsen ledningsförnyelse	2021	2027	25-100	Reinvestment
2737	Hölleforsen stationsförnyelse	2022	2027	25-100	Reinvestment
2830	Svarthålforsen påstick Stadsforsen ledningsförnyelse	2021	2027	25-100	Reinvestment
2578	Järnvägsforsen avgr-Ånge opto	2026	2028	5-25	Reinvestment
2777	Midskog-Järpströmmen 220 kV uppgradering till 400 kV	2021	2028	500-1 000	System Reinforcement
2747	Moforsen stationsförnyelse	2023	2028	25-100	Reinvestment
2829	Stadsforsen-Torpshammar ledningsförnyelse	2021	2028	100-250	Reinvestment
2577	Turinge-avgr Järnvägsforsen topplinebyte	2025	2028	5-25	Reinvestment
2827	Krångede-Gammelänge ledningsförnyelse	2021	2029	25-100	Reinvestment
2519	Vittersjö EK3 Stationsförnyelse	2024	2028	25-100	Reinvestment
2526	Vittersjö EK5 stationsförnyelse	2024	2028	25-100	Reinvestment

NO.	PROJECT	START		COST (MSEK)	DRIVING FORCE
		PHASE START	COMMISSIONED		
2854	Nämforsen-Forsmo ledningsförnyelse	2023	2031	100-250	Reinvestment
2848	Stadsforsen Hällsjö ledningsförnyelse	2024	2032	250-500	Reinvestment
2731	Gulsele stationsförnyelse	2028	2033	25-100	Reinvestment
2850	Stadsforsen-Hjälta kraftstation ledningsförnyelse	2026	2034	100-250	Reinvestment
2897	Grundfors-Storfinnforsen ledningsförnyelse	2027	2037	2 000-3 000	Reinvestment



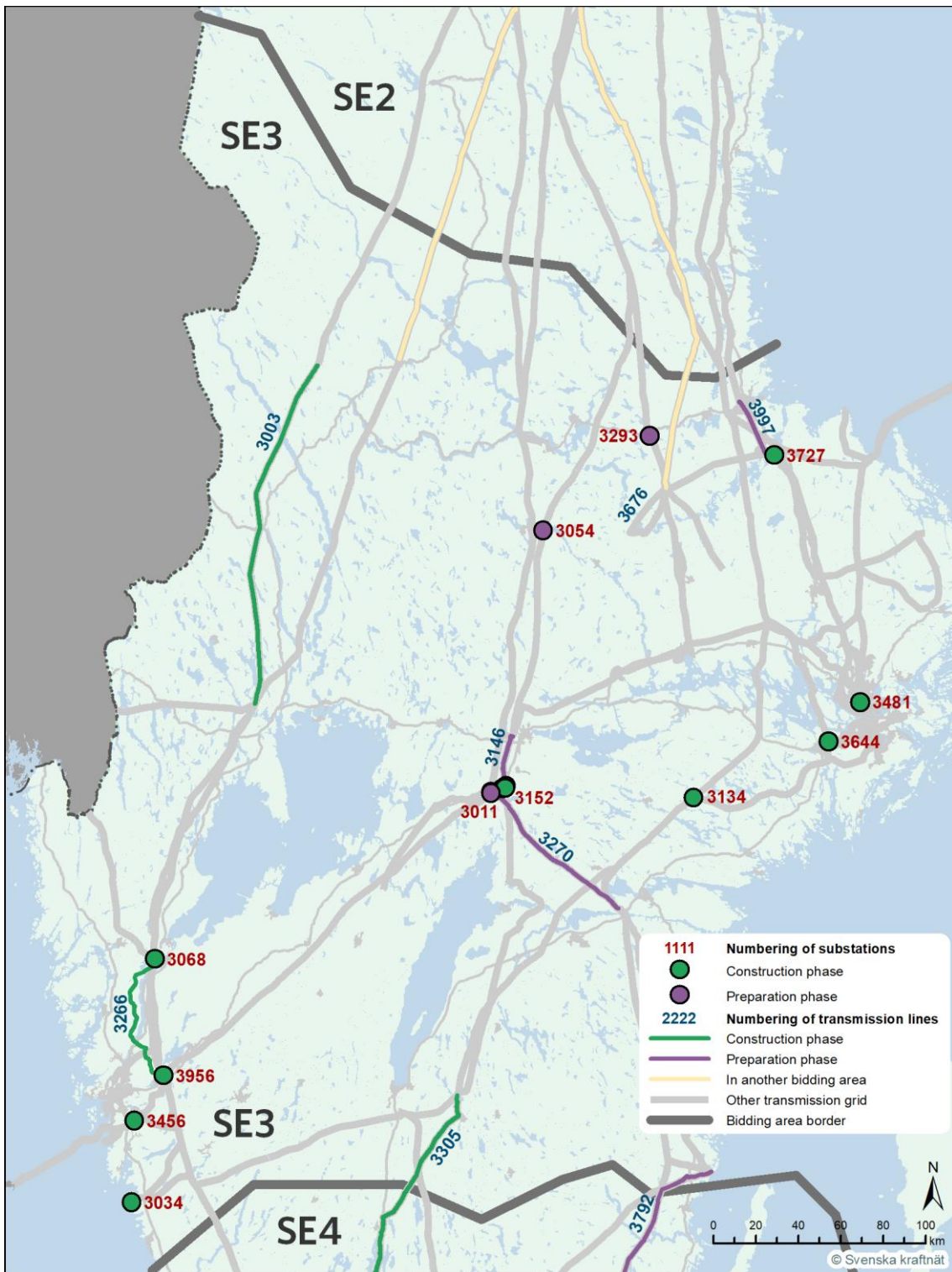
Projects in bidding area SE3

Projects in construction phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3305	Sydvästlänken	2014-2020	7 100	Market Integration
3456	Konti-Skan 1 och 2 förnyelse kontrollanläggning	2019-2020	170	Reinvestment
3068	Skogssäter stationsförnyelse	2019-2020	290	Reinvestment
3266	Skogssäter-Stenkullen ny 400 kV-ledning	2019-2024	1350	System Reinforcement
3134	Hedenlunda stationsförnyelse	2020-2021	170	Reinvestment
3481	Järva förnyelse av 220 kV GIS	2020-2021	50	Reinvestment
3956	Stenkullen reaktiv produktion	2020-2021	160	System Reinforcement
3003	Tandö-Borgvik statusåtgärder	2020	15	Reinvestment
3727	Untra nytt sektioneringsfack	2020	10	System Reinforcement
3152	Östansjö ny reaktor	2021	45	System Reinforcement
3644	Kolbotten ny krafttransformator	2021	40	System Reinforcement
3034	Ringhals stationsförnyelse	2022-2024	220	Reinvestment

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3293	Hofors avveckling påstick och SvK:s stationsdelar	2020	10	Reinvestment
3997	Valbo-Untra högttemperaturlina	2020	50	System Reinforcement
3146	Lindbacka-Östansjö ny 400 kV-ledning	2021-2022	360	System Reinforcement
3011	Avveckling 220 kV-nätet kring Hallsberg	2021-2022	80	System Reinforcement
3270	Hallsberg-Kimstad anpassning	2022-2023	20	Reinvestment
3054	Morgårdshammar shuntkondensator och kontrollanläggning	2022	30	Reinvestment
3792	Ekhyddan-Nybro-Hemsjö ny 400 kV-ledning	2025-2027	1850	Market Integration
3676	Horndal - Avesta ledningsförnyelse	2025	350	Reinvestment

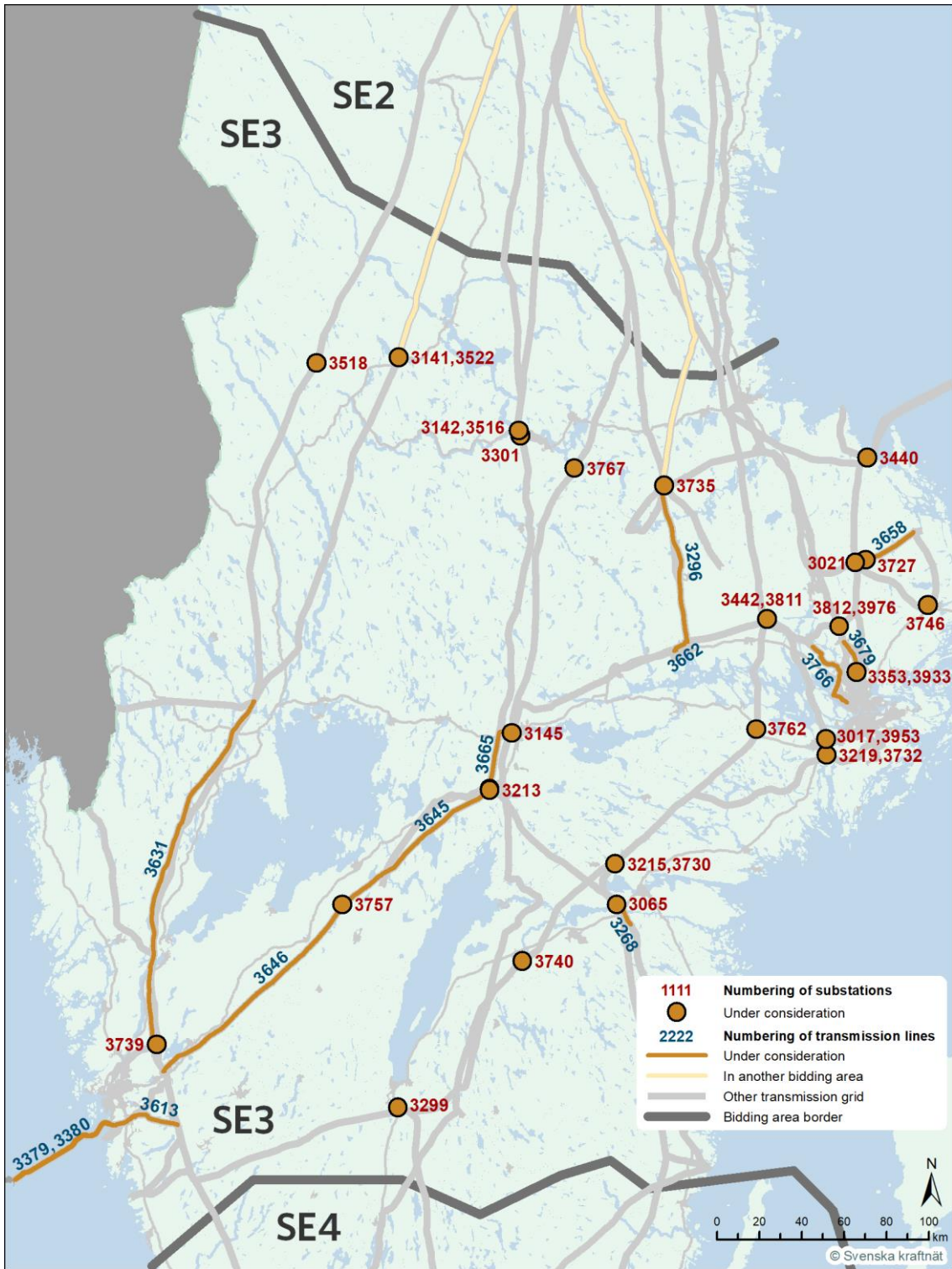


Projects in bidding area SE3

Projects under consideration

NO.	PROJECT	PHASE START	COMMISSIONED	COST	
				(MSEK)	DRIVING FORCE
3953	Kolbotten nya 400/130 kV-transformeringar	2020	2021	5-25	Connection
3732	Hall stationsförnyelse	2020	2022	100-250	System Reinforcement
3933	Hagby ny 400/130 kV-anlutning	2020	2023	25-100	Connection
3976	Odensala 400/130 kV-anlutning	2020	2023	25-100	Connection
3142	Djurmo EK2 förnyelse kontrollanläggning	2020	2023	5-25	Reinvestment
3440	Forsmark stationsförnyelse	2020	2023	100-250	Reinvestment
3767	Gustafs stationsförnyelse	2020	2023	100-250	Reinvestment
3442	Hamra förnyelse SVS-anläggning	2020	2023	100-250	System Reinforcement
3766	Håtuna-Överby åtgärder fortsatt bruk	2020	2023	5-25	Reinvestment
3739	Kilanda stationsförnyelse	2020	2023	100-250	Reinvestment
3740	Kolstad stationsförnyelse	2020	2023	25-100	Reinvestment
3141	Kättbo förnyelse kontrollanläggning	2020	2023	5-25	Reinvestment
3757	Timmersdala stationsförnyelse	2020	2023	100-250	Reinvestment
3516	Djurmo EK2 stationsförnyelse	2020	2024	100-250	Reinvestment
3215	Glan ny reaktor	2020	2024	25-100	System Reinforcement
3730	Glan stationsförnyelse	2020	2024	100-250	Reinvestment
3762	Åker stationsförnyelse	2021	2024	25-100	Reinvestment
3219	Hall ny SVS-anläggning	2021	2025	100-250	System Reinforcement
3213	Hallsberg rivning 220 kV-station	2021	2025	5-25	Reinvestment
3735	Horndal stationsförnyelse	2020	2025	100-250	Reinvestment
3296	Horndal-Finnslätten livstidsförlängning	2020	2025	25-100	Reinvestment
3268	Kimstad anpassning ledningar vid Göta kanal	2020	2025	25-100	Reinvestment

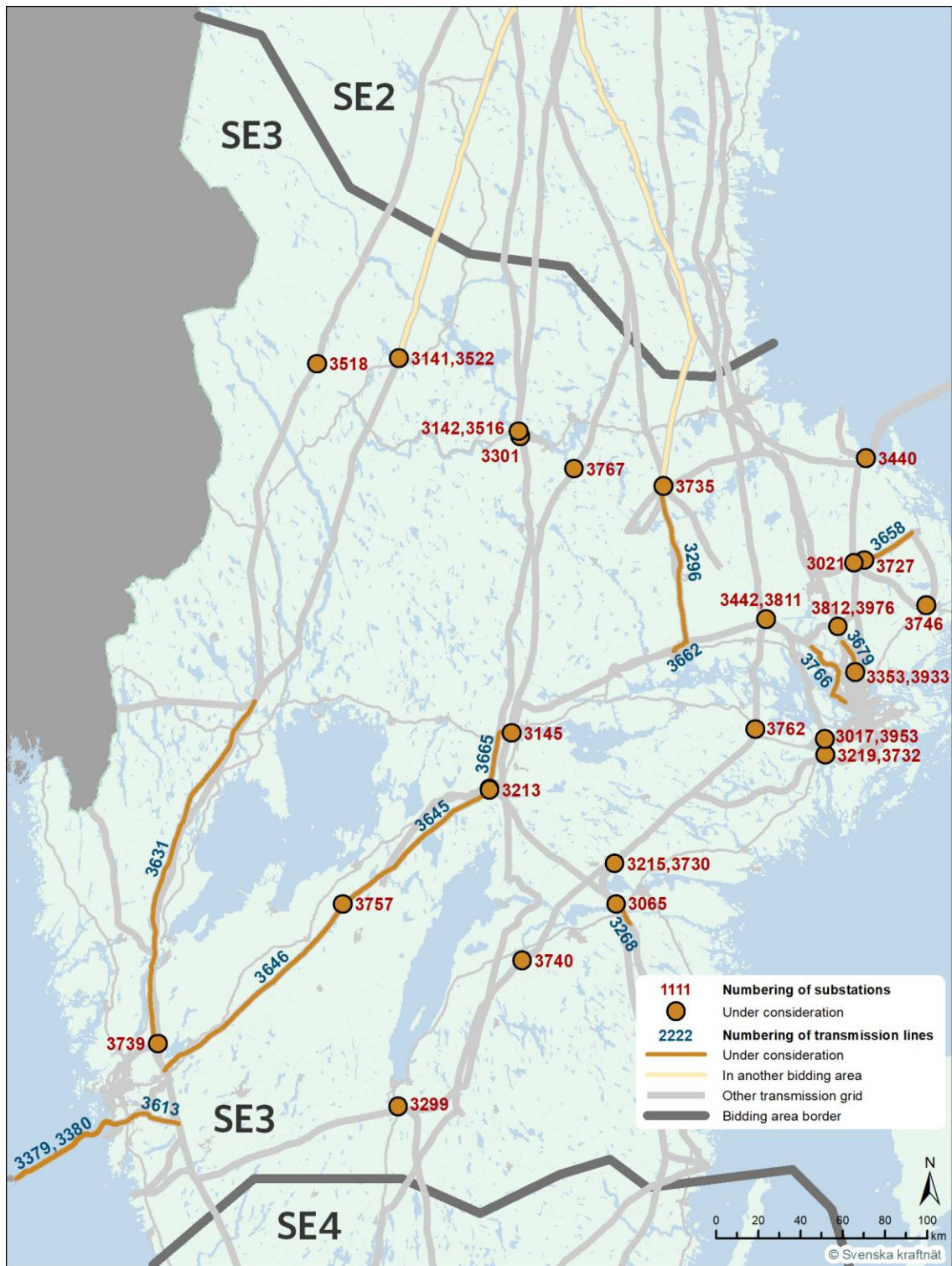
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Projects in bidding area SE3

Projects under consideration, continued

NO.	PROJECT	PHASE START	COMMISSIONED	COST (MSEK)	DRIVING FORCE
3021	Tuna 220 kV stationsförnyelse	2020	2025	25-100	Reinvestment
3065	Kimstad stationsförnyelse	2020	2025	100-250	Reinvestment
3522	Kättbo EK1 stationsförnyelse	2021	2025	25-100	Reinvestment
3301	Bäsna stationsförnyelse	2020	2026	100-250	Reinvestment
3746	Malsta stationsförnyelse	2021	2026	5-25	Reinvestment
3812	Odensala 400 kV om- och utbyggnad	2022	2026	100-250	System Reinforcement
3299	Tenhult stationsförnyelse	2023	2026	100-250	Reinvestment
3353	Hagby 220 kV stationsförnyelse	2022	2027	25-100	Reinvestment
3518	Tandö EK6 stationsförnyelse	2023	2027	25-100	Reinvestment
3658	Edinge-Gråska opto	2025	2028	5-25	Reinvestment
3811	Hamra 400 kV om- och utbyggnad	2024	2028	100-250	System Reinforcement
3017	Kolbotten 400 kV stationsförnyelse	2023	2028-2029	250-500	Reinvestment
3613	Strömma-Lindome-Billdal opto	2023	2028	5-25	Reinvestment
3662	Finnslätten-Himmeta opto	2027	2030	5-25	Reinvestment
3665	Hallsberg-Lindbacka opto	2027	2030	5-25	Reinvestment
3727	Edinge stationsförnyelse	2026	2031	5-25	Reinvestment
3145	Lindbacka 400 kV stationsförnyelse	2026	2031	100-250	Reinvestment
3679	Måby-Hagby ledningsförnyelse	2026	2032	25-100	Reinvestment
3380	Konti-Skan 2 förnyelse likströmsförbindelse	2028	2034	1 000-2 000	Reinvestment
3379	Konti-Skan 1 förnyelse likströmsförbindelse	2028	2036	1 000-2 000	Reinvestment
3631	Borgvik-Kilanda ledningsförnyelse	2028	2038	500-1 000	Reinvestment
3645	Hallsberg-Timmersdala ledningsförnyelse	2029	2039	1 000-2 000	Reinvestment
3646	Timmersdala-Stenkullen ledningsförnyelse	2029	2039	1 000-2 000	Reinvestment



Projects in bidding area SE4

Projects in construction phase

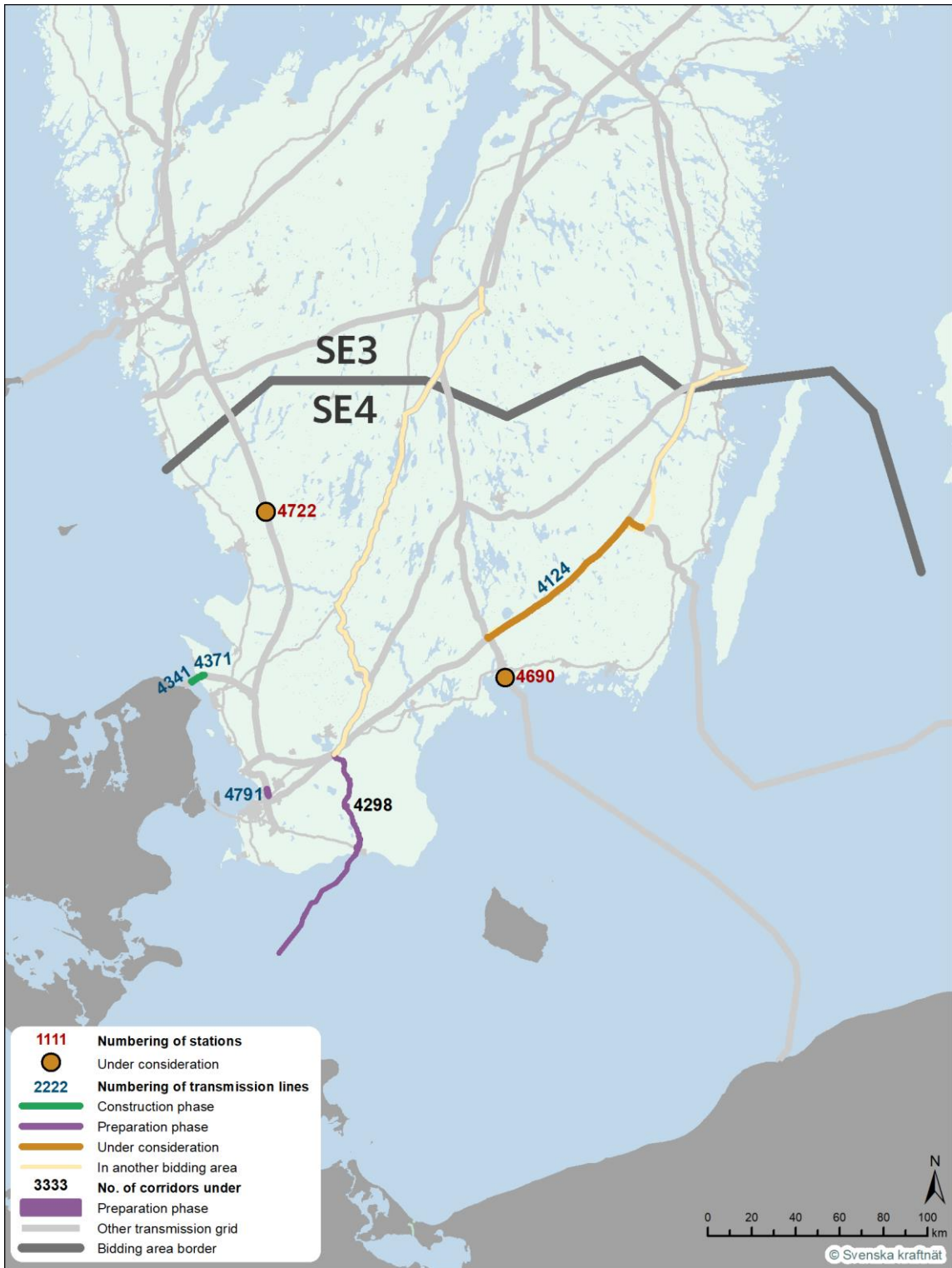
NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
4371	Döshult ledningsflytt	2020	45	Reinvestment
4341	Utbyte av Öresundskablarna 400 kV	2020	380	Reinvestment

Projects in preparation phase

NO.	PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
4791	Staffanstorp ledningsflytt Sege-Barsebäck	2023-2024	10	Reinvestment
4298	Hansa Powerbridge	2026	2900	Market Integration

Projects under consideration

NO.	PROJECT	PHASE START	COMMISSIONED	COST (MSEK)	DRIVING FORCE
4690	SwePol Link förnyelse kontrollanläggning	2020	2024	100-250	Reinvestment
4124	Nybro-Hemsjö topplinebyte	2022	2026	25-100	Reinvestment
4722	Breared stationsförnyelse	2027	2030	100-250	Reinvestment



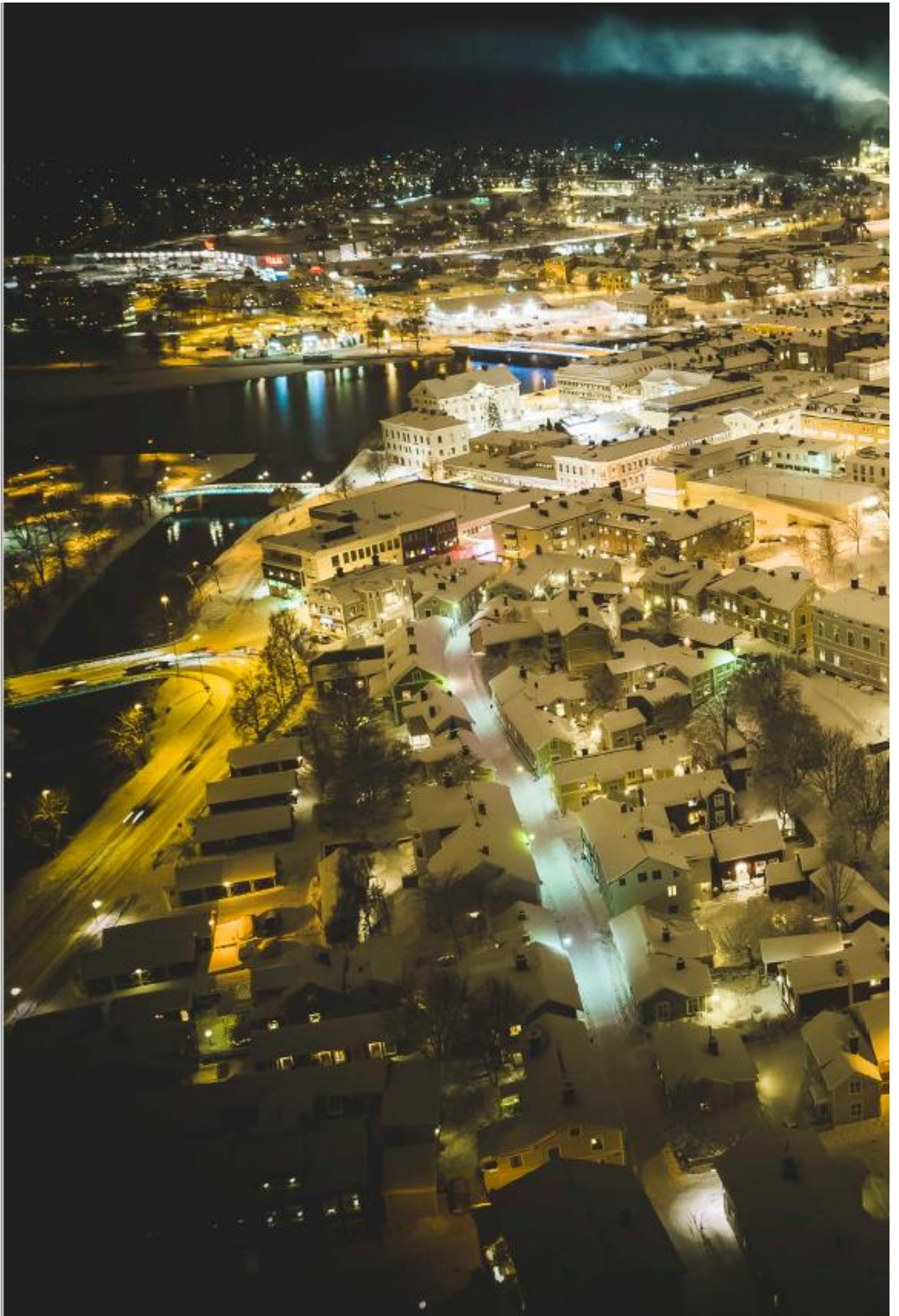
Revision of transmission lines and other projects

Revision of transmission lines

PROJECT	NR. OF LINES	TOTAL LENGTH (KM)	BIDDING AREA	COMMISSIONED	COST (MSEK)
Ledningsrevisioner paket 0	17	870	SE2-SE3	2022-2024	100-250
Ledningsrevisioner paket 1	22	810	SE2-SE4	2025	250-500
Ledningsrevisioner paket 2	37	1700	SE2-SE4	2027	250-500
Ledningsrevisioner paket 3	40	2000	SE2-SE4	2029	250-500

Other projects in bidding area SE1-SE4

PROJECT	COMMISSIONED	COST (MSEK)	DRIVING FORCE
Byte störnings- och händelseskrivare, reservlarmsändare	2020	25-100	Reinvestment
Installation energimätare	2020-2021	5-25	Reinvestment
Utbyte och uppgradering telekommunikation	2020-2021	25-100	Reinvestment
Utbyte primärapparater	2020-2022	25-100	Reinvestment
Manöver reaktorbrytare i spänningslöst tillstånd	2021	5-25	Reinvestment
Förnyelse kontrollanläggningar till 2025	2021-2025	250-500	Reinvestment
Förnyelse kontrollanläggningar till 2030	2026-2030	500-1 000	Reinvestment



BIDDING AREA



TRANSMISSION GRID FOR ELECTRICITY 2020

The Swedish transmission grid for electricity consists of about 17,000 km power lines, just over 200 transformer and switching substations as well as AC and HVDC interconnectors

- 400 kV transmission line
- 275 kV transmission line
- 220 kV transmission line
- Direct current (HVDC)
- Interconnector, voltage lower than 220 kV
- ⋯ Preparation/construction phase
- Hydro power plant
- ▲ Thermal power plant
- ⚙ Wind farm
- Substation





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