



JBV Energi

**List of investments, renewals
and maintenance for converter stations
2015-2017**



Investments JBV Energi 2015-2017

- Jernbaneverket will over the next years execute several projects to improve the quality and capacity of today's infrastructure for railway power supply (converters, catenary/autotransformers, 22 kV auxiliary power supply etc.).

Jernbaneverket Energi (Energy unit) will in the period 2015-2024 execute converter projects for over 4.5 billion NOK.

- To carry out this work we need skilled consultants and contractors.
- Please study our list of upcoming investments, renewals and maintenance for converter stations and our plans for tenders concerning railway power supply.

Investments JBV Energi 2015-2017

Project no	Projects	Railway line	Contracting	On site start	Duration (years)
989005	Hamar converter station - new	Dovre line	2017	2018	3
989009	Oslo converter station - new	Follo line	?	> 2017	3
989011	Solum converter station (near Larvik) - new	Vestfold line	2015	2015	3
989012	OCL auto transformer extension (Kristiansand-Moi 100km)	Sørland line	2017	2018	4
989013	Arna converter station (near Bergen) - new	Bergen line	2015	2017	3
989016	Narvik converter station - new	Ofoten line	?	> 2017	3
989018	Stjørdal converter station (near Trondheim) - new	Meråker line	2016	2017	3
989019	Steinkjer converter station - new	Nordland line	2016	2017	3
989020	Gjøvik converter station - new	Gjøvik line	2015	2016	2
BE_034	Herefoss converter station (near Arendal) - new	Sørland line	2017	2018	3
BE_036	Skoppum converter station - extensions	Vestfold line	2017	2018	2



Renewals JBV Energi 2015-2017

Project no	Projects	Railway line	Contracting	On site start	Duration (years)
889062	Electrical monitoring and surveillance of converter stations	All	2015	2015	4 (frame)
889095	Track switch point near converter stations	All	2015	2015	2
889102	Power transformers renewals	All	2015	2016	2
889104	Sarpsborg converter station - protection relays and local control renewals	Østfold line	2015	2015	2
889106	Rotating converters - refurbishment/renewals	All	2015	2016	4 (frame)
889105	Lunner converter station - refurbishment/renewal	Gjøvik line	2017	2018	3
889117	Kielland converter station - converter renewal	Sørland line	2015	2016	2 - 3
889120	Entrance gates converter stations - renewals	All	2015	2015	4 (frame)



Maintenance JBV Energi 2015-2017

Project no	Projects	Railway line	Contracting	On site start	Duration (years)
880111	Rotating converter - refurbishment/renewal	All	2015	2015	1
883007	Condition monitoring on converter/sub stations/overhead lines	All	2015	2015	4 (frame)
883023	Track maintenance near converter stations	All	2015	2015	4 (frame)
884500	Rotating concerters - repair after break down	All	2015	2016	4 (frame)
884560	Generator rotor shaft - renewal	All	2015	2015	1
885000	Railway power supply - concept studies - engineering	All	2015	2016	4 (frame)
885500	Railway power supply - concept design - engineering	All	2015	2016	4 (frame)
885900	Railway power supply - detailed design - engineering	All	2015	2016	4 (frame)
BE_056	Rotating converters - refurbishment/renewals 2016	All	2015	2016	2
BE_057	Rotating converters - refurbishment/renewals 2017	All	2016	2017	2