

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor   | N°   | Countries | Project  | Description  | Planned date of completion       | Project promoter(s)   | TYNDP reference |
|------------|------|-----------|--|--|----------------------------------|---|-----------------|
| BEMIP elec | E65  | DE        |  | OWP Region East  |                                  | 50Hertz   | 46.194          |
| BEMIP elec | E66  | DE        |  | OWP Region West  |                                  | 50Hertz   | 46.195          |
| BEMIP elec | E96  | DK/DE     | Kriegers Flak Combined Grid Solution           | Pilot project to build, utilise and demonstrate a multi-vendor, multi-terminal HVDC VSC offshore system interconnecting different countries and integrating offshore wind power  | 2018                             | Energinet, 50Hertz  | 36.141          |
| BEMIP elec | E281 | EE        | Harku (EE) Sindi (EE)                          | New double circuit OHL with 2 different voltages 330 kV and 110 kV and with capacity 1200 MVA/240 MVA and a length 140 km.   |                                  | Elering AS  | 62.388          |
| BEMIP elec | E97  | EE        | Muuga Hydroelectric Pumped Storage Power Plant | HPSPP installed capacity is 500 MW. HPSPP use seawater. Maximum volumetric flow rate by power generation and in the pumping mode is 120 m3/s.  | 2020                             | OÜ Energiasalv  | Non-TYNDP       |
| BEMIP elec | E98  | EE/LV     | Estonia-Latvia 3rd interconnection             | 330 kV AC OHL Harku-Lihula-Sindi in Estonia part and OHL between Kilingi-Nomme substation in Estonia and RigaCHP2 substation in Latvia.  | 2020                             | Elering AS, AS Augstsprieguma Tikls, Latvijas Elektriskie Tikli | 62.386          |
| BEMIP elec | E194 | LT        | LitPol Link 2                                  | 400kV AC OHL between LT and PL   | 2019                             | Litgrid AB  | Non-TYNDP       |
| BEMIP elec | E195 | LT        | Integration of new NPP                         | A new single circuit 330 kV OHL Visaginas–Kruonis (~200 km) New single circuit 330 kV OHL Vilnius–Neris (~50 km, with capacity 943 MVA)  | 2020                             | Litgrid AB  | <b>61.380</b>   |
| BEMIP elec | E283 | LT/PL     | <b>400 kV OHL Alytus – PL-LT border</b>        | <b>Double circuit 400 kV OHL between Alytus and PL-LT border with construction of Back-to-Back converter station near Alytus. The project is supposed to be beneficial according to Market integration and Security of supply criteria. 400 kV OHL between Alytus and PL-LT border would be beneficial for the EU electricity market, also will increase interoperability and secure system operation.</b> | 2015 (500 MW) and 2020 (1000 MW) | Litgrid AB, PSE Operator  | <b>59.376</b>   |
| BEMIP elec | E196 | LT/SE/LV  | NordBalt                                       | 700MW capacity will comprise of an about 400 km length HVDC subsea cable, land cables in both the countries and converter stations located at the both ends. The converters are to be connected to the 400 kV grid in Sweden and to the 330 kV grid in Lithuania.  | 2015                             | Litgrid AB, Svenska Kraftnat                                    | 60              |
| BEMIP elec | E282 | LV        |  | Kurzeme Ring 3rd stage (Venstspils-Tume-Imanta)  | 2018                             | Augstsprieguma Tikls, Latvijas Elektriskie Tikli                | 60.385          |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor   | N°   | Countries | Project  | Description  | Planned date of completion | Project promoter(s) | TYNDP reference |
|------------|------|-----------|--|--|----------------------------|---------------------|-----------------|
| BEMIP elec | E201 | PL        | Lithuania - Poland interconnection (2nd stage)                                 | Single circuit line 220kV Ostrołęka-Miłosna will be partly upgraded to double circuit line 400kV Ostrołęka - Stanisławów (2x1870 MVA, 106km) with development of Ostrołęka 400kV substation + New substation 400kV Stanisławów will be connected by splitting and extending existing line Miłosna-Narew and Miłosna-Siedlce. | 2020                       | PSE Operator S.A.   | 59.373          |
| BEMIP elec | E202 | PL        | Lithuania - Poland interconnection (2nd stage)                                 | Existing single circuit line 220 kV Kozienice - Siedlce Ujrzanów will be upgraded to 400kV line in the same direction (1870 MVA, 90km) + upgrade of Kozienice substation to connect the new line   | 2020                       | PSE Operator S.A.   | 59.374          |
| BEMIP elec | E203 | PL        | Lithuania - Poland interconnection (2nd stage)                                 | New single circuit line 400kV Płock - Olsztyn Mątki (1870 MVA, 180km) with development of Olsztyn Mątki 400kV substation.  | 2020                       | PSE Operator S.A.   | 59.375          |
| BEMIP elec | E204 | PL        | Lithuania - Poland interconnection (2nd stage)                                 | Ostrołęka (PL) - Olsztyn Mątki (PL) New 138km 400kV 2x1870 MVA double circuit OHL line Ostrołęka - Olsztyn Mątki after dismantling of 220kV line Ostrołęka - Olsztyn with one circuit from Ostrołęka to Olsztyn temporarily on 220kV.  | 2020                       | PSE Operator S.A.   | 100.335         |
| BEMIP elec | E251 | RU/DE     | Interconnection Kaliningrad Region Power System – German Power System          | 560 km submarine cable and 20 km land cable. Two converter stations will be built; one in Mamonovo and one in Bentwisch. Power transfer towards Germany is suggested to 500 or 1000 MW.  | 2018                       | Inter RAO UES       | Non-TYNDP       |
| BEMIP elec | E252 | RU/LT     | Synchronous interconnection of power systems Kaliningrad – Lithuania upgrading | Strengthening of connection Kaliningrad – Lithuania: OHL 330 kV Sovetsk– Baltic NPP – Bitenai – Klaipeda and OHL 330 kV Sovetsk– Baltic NPP – Kruonio HAPP; Construction of new 330 kV OHLs Sovetsk– Klaipeda and Baltic NPP – Yurbarkas.  | 2018                       | Inter RAO UES       | Non-TYNDP       |
| BEMIP elec | E250 | RU/PL     | Interconnection Kaliningrad Region Power System – Poland Power System          | Between Mamonovo and Elblong, Poland a back-to-back HVDC interconnection, with the converter station located at Mamonovo substation. A 400 kV AC overhead line will connect the back-to-back station to Elblong substation in Poland. Power transfer is suggested to 500 - 1000 MW.  | 2016                       | Inter RAO UES       | Non-TYNDP       |
| BEMIP elec | E253 | SE        | SouthWest Link   | New 400kV line between Hallsberg and Barkeryd (SE), new double HVDC VSC underground cable and OHL between Barkeryd and Hurva (SE), new double HVDC VSC line between Barkeryd (SE) and Tveiten (NO). Expected capacity: 1200MW  | 2014                       | Svenska Kraftnät    | 67.402          |
| BEMIP elec | E254 | SE        | Ekhyddan-Nybro-Hemsjö  | A single circuit new 400 kV OHL Ekhyddan -Nybro 70 km and a single circuit new 400 kV OHL Nybro -Hemsjö 85 km  | 2019                       | Svenska Kraftnät    | 60.A52          |
| CEE elec   | E1   | AT        |  | Completion of 380kV line St. Peter (AT) Tauern (AT)  |                            | APG                 | 47. 216         |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°  | Countries | Project   | Description   | Planned date of completion | Project promoter(s)                              | TYNDP reference |
|----------|-----|-----------|---|---|----------------------------|--|-----------------|
| CEE elec | E12 | AT        | Obervermuntwerk II                                    | Pumped Storage Hydro Plant with 2 units at 180 MW between the existing reservoir Silvretta (38 Mio m <sup>3</sup> ) and the existing reservoir Vermunt (6 Mio m <sup>3</sup> ) and a gross head of rd. 300 m. Generate each power between - 360 MW and + 360 MW. The maximum short time energy storage will be nearly 4 GWh; and a long time storage of nearly 110 GWh.   | 2018                       | Vorarlberger Illwerke AG                         | Non-TYNDP       |
| CEE elec | E2  | AT        |   | Upgrade to 380kV St. Peter (AT) Ernsthofen (AT)   |                            | APG  | 47. 221         |
| CEE elec | E3  | AT        |   | Dürnrrohr (AT) Sarasdorf (AT)   |                            | APG  | TYNDP RgIP 217  |
| CEE elec | E14 | AT/DE     |   | New 400kV OHL Isar / Ottenhofen (DE) - St. Peter (AT)   |                            | APG, TenneT                                      | 47. 212         |
| CEE elec | E15 | AT/IT     | Somplago (I) – Wurmlach (AT) interconnection          | The project concerns a 220kV a.c., 300 MW merchant line from Somplago substation to Wurmlach substation.  | 2015                       | ALPE ADRIA ENERGIA S.p.A.                        | Non-TYNDP       |
| CEE elec | E20 | BG        |   | New 400kV OHL Maritsa East 1 (BG) Plovdiv (BG)  |                            | TSO BG   | 51.257          |
| CEE elec | E21 | BG        |   | New 400kV OHL Maritsa East 1 (BG) Maritsa East 3 (BG)   |                            | TSO BG   | 51.258          |
| CEE elec | E22 | BG        |   | Maritsa East 1 (BG) Burgas (BG) New 400kV OHL.  |                            | TSO BG   | 51.262          |
| CEE elec | E23 | BG        |   | New substation SS 400/110kV Svoboda(Krusari)  |                            | TSO BG   | 95.263          |
| CEE elec | E24 | BG        |   | New substation SS 400/110kV Vidno   |                            | TSO BG   | 95.264          |
| CEE elec | E25 | BG        |   | New 400kV OHL Vidno (BG) - Svoboda (BG)   |                            | TSO BG   | 95.265          |
| CEE elec | E26 | BG        |   | IN-OUT in Svoboda on actual 400kV OHL Isaccea (RO) -Varna (BG)  |                            | TSO BG   | 95.266          |
| CEE elec | E27 | BG        |   | New 400kV OHL Dobrudja (BG) Burgas (BG)   |                            | TSO BG   | 95.A119         |
| CEE elec | E28 | BG/EL/RO  | Increase volume of the lower reservoir of Chaira PSHP | Increase of generating capacity of Chaira PSHP by the construction of Yadenitsa Dam (lower reservoir-9 mln m3).   | 2020                       | NATSIONALNA ELEKTRICHESKA KOMPANIA EAD (NEK EAD) | Non-TYNDP       |
| CEE elec | E30 | CY/EL     | EuroAsia Interconnector                               | Interconnector connecting Israel - Cyprus and Greece (Crete). The project consists of an underwater electric cable and any essential equipment and/or installation for interconnecting the Cypriot, Israeli and the Greek transmission networks. The project will have a capacity of 2000MW and a total length of around 540 nautical miles (around 1000 km) and allow for reverse transmission of electricity. | 2016                       | Ministry of Commerce, Industry and Tourism       | Non-TYNDP       |
| CEE elec | E31 | CZ        |   | New 400kV OHL Vitkov (CZ) - Mechlenreuth (DE)   |                            | ČEPS   | 35.137          |
| CEE elec | E32 | CZ        |   | 400kV substation Vitkov (CZ)  |                            | ČEPS   | 35.306          |
| CEE elec | E33 | CZ        |   | 400kV substation Vernerov (CZ)  |                            | ČEPS   | 35.307          |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°  | Countries | Project | Description   | Planned date of completion | Project promoter(s) | TYNDP reference |
|----------|-----|-----------|---------|---|----------------------------|---------------------|-----------------|
| CEE elec | E34 | CZ        |         | 400kV OHL Vernerov (CZ) - Vitkov (CZ)   |                            | ČEPS                | 35.308          |
| CEE elec | E35 | CZ        |         | 400kV OHL Vitkov (CZ) - Prestice (CZ)   |                            | ČEPS                | 35.309          |
| CEE elec | E36 | CZ        |         | Upgrade substation 400kV Kocin (CZ)   |                            | ČEPS                | 35.311          |
| CEE elec | E37 | CZ        |         | Upgrade substation 400kV Mirovka (CZ)   |                            | ČEPS                | 35.312          |
| CEE elec | E38 | CZ        |         | Substation connection with OHL Kocin (CZ) - Mirovka (CZ)  |                            | ČEPS                | 35.313          |
| CEE elec | E39 | CZ        |         | New OHL 2x1385MVA Mirovka (CZ) V413 (CZ)  |                            | ČEPS                | 35.314          |
| CEE elec | E40 | CZ        |         | Upgrade OHL Kocin (CZ) - Prestice (CZ)  |                            | ČEPS                | 35.315          |
| CEE elec | E41 | CZ        |         | Upgrade OHL Mirovka (CZ) - Cebin (CZ)   |                            | ČEPS                | 35.316          |
| CEE elec | E42 | CZ        |         | Upgrade OHL Hradec (CZ) - Reporyje (CZ)   |                            | ČEPS                | 35.317          |
| CEE elec | E43 | CZ        |         | New 400kV OHL Vyskov (CZ) - Cechy Stred (CZ)  |                            | ČEPS                | 55.302          |
| CEE elec | E44 | CZ        |         | New 400kV OHL Babylon (CZ) - Bezdecin (CZ)  |                            | ČEPS                | 55.303          |
| CEE elec | E45 | CZ        |         | New 400kV OHL Babylon (CZ) - Vyskov (CZ)  |                            | ČEPS                | 55.304          |
| CEE elec | E46 | CZ        |         | New 400kV substation Praha Sever (CZ)   |                            | ČEPS                | 55.A91          |
| CEE elec | E47 | CZ        |         | OHL upgrade Cechy Stred (CZ) - Chodov (CZ)  |                            | ČEPS                | 56.A92          |
| CEE elec | E48 | CZ        |         | OHL upgrade Tynec (CZ) - Krasikov (CZ)  |                            | ČEPS                | 56.A93          |
| CEE elec | E49 | CZ        |         | Hradec (CZ) - Vyskov (CZ)   |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E50 | CZ        |         | Hradec (CZ) Chrast (CZ)   |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E51 | CZ        |         | Nosovice (CZ) Prosenice (CZ)  |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E52 | CZ        |         | Phase Shifting Transformer Hradec   |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E53 | CZ        |         | Prestice (CZ) Chrast (CZ)   |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E54 | CZ        |         | Prosenice (CZ) Krasikov (CZ)  |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E55 | CZ        |         | Tynec (CZ) - Cechy Stred (CZ)   |                            | ČEPS                | TYNDP RgIP      |
| CEE elec | E56 | CZ        |         | Prosenice (CZ) Kletne (CZ)  |                            | ČEPS                | TYNDP RgIP A94  |
| CEE elec | E57 | CZ        |         | Detmarovice (CZ)  |                            | ČEPS                | TYNDP RgIP A95  |
| CEE elec | E59 | DE        |         | 380-kV-grid enhancement Southern Uckermark (Uckermarkleitung)   |                            | 50Hertz             | 45.191          |
| CEE elec | E60 | DE        |         | 380-kV-connection Halle/Saale-Schweinfurt (Südwestkuppelleitung)  |                            | 50Hertz             | 45.193          |
| CEE elec | E61 | DE        |         | 380-kV-grid enhancement Northern Berlin (Nordring Berlin)   |                            | 50Hertz             | 45.197          |
| CEE elec | E62 | DE        |         | 380-kV-grid enhancement Western Pommerania/Northern Uckermark   |                            | 50Hertz             | 45.199          |
| CEE elec | E63 | DE        |         | 380-kV-grid enhancement and structural change Lubmin-Stralsund-Rostock Güstrow-Stendal/West-Wolmirstedt |                            | 50Hertz             | 45.200          |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project   | Description  | Planned date of completion | Project promoter(s)                                | TYNDP reference |
|----------|------|-----------|---|--|----------------------------|--|-----------------|
| CEE elec | E64  | DE        |   | 380 kV South West grid enhancement Förderstedt –   |                            | 50Hertz  | 45.204          |
| CEE elec | E67  | DE        |   | <b>HVDC-Overlay grid DC part for Germany from Baltic Sea towards Central/South Europe</b>  |                            | 50Hertz  | 43.A75          |
| CEE elec | E68  | DE        |   | <del>Extension of existing and erecting of new 380 kV substations incl. reactive power compensation devices</del>  |                            | 50Hertz  | <b>45.209</b>   |
| CEE elec | E86  | DE        |   | New 400kV OHL Wahle - Mecklar  |                            | Tennet   | 44.157          |
| CEE elec | E58  | DE/CZ     |   | Increase of interconnection capacity area Röhrsdorf (DE)- area Hradec (CZ)   |                            | 50Hertz/ČEPS                                       | 35.138          |
| CEE elec | E94  | DE/PL     | <b>GerPol Power Bridge</b>  | <b>New double 400 kV line Eisenhuettenstadt (DE) - Plewiska (PL)</b>   | 2020                       | 50Hertz, PSE                                       | <b>58.140</b>   |
| CEE elec | E95  | DE/PL     | <b>GerPol Improvements</b>  | <b>380 kV line Vierraden (DE) - Krajnik (PL)</b>   | 2014                       | 50Hertz, PSE                                       | 94.139          |
| CEE elec | E100 | EL        |   | New 400kV substation in Lagadas (GR) and 400kV OHL to Fillipoi (GR)  |                            | IPTO, ADMIE  | 51.244          |
| CEE elec | E101 | EL        |   | Patras (GR) - 400kV Continental System (GR)  |                            | IPTO, ADMIE  | 52.24           |
| CEE elec | E102 | EL        |   | New 400kV substation in Megalopolis (GR) and OHL link to Patras (GR)   |                            | IPTO, ADMIE  | 52.241          |
| CEE elec | E103 | EL        |   | New 400kV substation in Korinthos (GR) and 400kV OHL to Megalopolis (GR)   |                            | IPTO, ADMIE  | 52.242          |
| CEE elec | E104 | EL        |   | Upgrade OHL to 400kV Korinthos (GR) – Koymoundoyros (GR)   |                            | IPTO, ADMIE  | 52.243          |
| CEE elec | E105 | EL        | "Attica - Crete - Rhodes", New HVDC Interconnection Subsea Cable 2200 MW from Acharnes in Attica (GR) to Rhodes island (GR) via Crete, Kasos and Karpathos islands. | State of the art low loss 600 kV HVDC (VSC Dual Bipole configuration) transmission system of 2200 MW transfer capacity and 600 - 650 km subsea cable. This interconnection can be considered as part of a "Crete" Cluster ("Crete 1" (promoted by the HTSO) and "Crete 2" (promoted by RES developers) or individually.  | 2017                       | PPCR S.A.  | Non-TYNDP       |
| CEE elec | E106 | EL        | South Eastern - North Electricity Highway (SENEH)   | An overhead HVDC line (plus start and end DC/AC substations as well as substations along the line) operating at 800 kV having transfer capacity up to 6 GW. The new line will accommodate the transfer of the energy produced by PV parks of the Helios project in Greece.   | 2019                       | Ministry of Environment, Energy and Climate Change | Non-TYNDP       |
| CEE elec | E107 | EL        | Egypt-Greece Interconnection Project  | Concerns the installation of new wind farms in Egypt (Suez area) with total capacity 3000MW (Energy production appr. 12.000GWh/year) and the transmission of conventional and RES energy from Egypt to Greece and export to other European countries. The interconnection shall be implemented via a suitable submarine HVDC link, with total capacity 3000MW. | 2021                       | ELICA, EEHC  | Non-TYNDP       |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project   | Description  | Planned date of completion | Project promoter(s)  | TYNDP reference        |
|----------|------|-----------|---|--|----------------------------|--|------------------------|
| CEE elec | E108 | EL        | Connection of Crete Island to the National Power Grid of Greece via underwater cable  | Development of 33 Wind Parks in all four Prefectures of the island of Crete, with a power output of 1.077 MW and their grid interconnection with the mainland of Greece through an underwater cable. | 2017                       | TERNA Energy, S.A.   | Non-TYNDP              |
| CEE elec | E109 | EL        |   | Helios Interconnection - From Greece to Germany (via Bulgaria, Romania, Hungary and Austria)   |                            | IPTO/ADMIE   | Non-TYNDP              |
| CEE elec | E110 | EL        |   | Kyklades 2 Pallini (GR) Andros (GR)  | 2016                       | ELICA, S.A.  | Non-TYNDP              |
| CEE elec | E111 | EL        |   | Kyklades 2 Pallini (GR) Karystos (GR)  | 2015                       | ELICA S.A. - TERNA Energy S.A.   | Non-TYNDP              |
| CEE elec | E112 | EL        |   | N. Aegean connection 5: Skyros (GR) Larymna (GR)   |                            | RES investors  | Non-TYNDP              |
| CEE elec | E113 | EL        | "Kyklades", Pallini (GR) to Andros (GR), New HVAC Interconnection Subsea Cable 200MVA | New HVAC Interconnection via Subsea Cable with capacity 200MVA as part of a "Kyklades" Cluster ("Kyklades 1" (promoted by the HTSO) and "Kyklades 2" (promoted by RES developers)) or individually.  | 2015                       | WIND PARK BABO VIGLIES S.A (representing also: WIND PARK LEFKIVARI S.A., WIND PARK LOUKO S.A., WIND PARK AG.ONOUFRIOS S.A., WIND PARK KILIZA S.A.) | Non-TYNDP              |
| CEE elec | E114 | EL        | Pumped Storage Complex with two upper reservoirs: Agios Georgios and Pyrgos           | Two (2) upper reservoirs will be constructed northeast, annual energy production: 264.000 MWh/year   | 2018                       | TERNA Energy, S.A.   | Non-TYNDP              |
| CEE elec | E115 | EL        |   | South Aegean DCLINK Connection   |                            | Kykladika Meltemia S.A   | Non-TYNDP/ Non-TSO     |
| CEE elec | E116 | EL        |   | Lavrion (GR) Syros (GR) (150 kV subsea)  |                            | IPTO, ADMIE  | TYNDP RgIP 250         |
| CEE elec | E117 | EL        |   | Syros (GR) Cyclades (GR) (150 kV subsea)   |                            | IPTO, ADMIE  | TYNDP RgIP 251         |
| CEE elec | E118 | EL        |   | N. Aegean connection 2: Larymna (GR) Chios (GR)  |                            | RES investors  | TYNDP RgIP A137        |
| CEE elec | E119 | EL        |   | N. Aegean connection 1 Filippoi (GR) Limnos (GR)   |                            | RES investors  | TYNDP RgIP A138        |
| CEE elec | E120 | EL        |   | N. Aegean connection 3: Chios (GR) Lesvos(GR)  |                            | RES investors  | TYNDP RgIP A140        |
| CEE elec | E121 | EL        |   | N. Aegean connection 4: Limnos(GR) Lesvos(GR)  |                            | RES investors  | TYNDP RgIP A141        |
| CEE elec | E122 | EL        |   | Mainland (GR) Crete 1 (GR) (submarine DC link)   | 2019                       | IPTO, ADMIE  | <b>TYNDP RgIP A143</b> |
| CEE elec | E123 | EL        |   | Crete 2: Acharnes (GR) - Crete 2 (GR)  | 2020                       | ELICA, S.A.  | TYNDP RgIP A143        |

~~Strikethrough~~: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project                                    | Description  | Planned date of completion | Project promoter(s)                                | TYNDP reference |
|----------|------|-----------|--|--|----------------------------|--|-----------------|
| CEE elec | E124 | EL        |  | N. Aegean connection 6: Chios (GR) Ikaria-Samos-Kos (GR)   |                            | RES investors                                      |                 |
| CEE elec | E99  | EL        |  | New 400kV OHL Bitola (MK) Elbasan (AL)   |                            | IPTO, ADMIE  | 51.239          |
| CEE elec | E125 | EL/BG     |  | New 400kV OHL Maritsa East 1 (BG) - N.Santa (GR)   |                            | IPTO, ADMIE, TSO Bulgaria                          | 51.256          |
| CEE elec | E126 | EL/BG/RO  | Cluster BG North-South Grid Enhancement    | Two new high-voltage transmission lines, as follows: 1. OHL 400kV s/s "Vetren" – s/s "Blagoevgrad", 100 km. 2. OHL 400kV s/s "Tsarevets" – s/s "Plovdiv", 150 km.          | 2017                       | Electricity System Operator                        | Non-TYNDP       |
| CEE elec | E138 | HR        |  | OHL 400 kV Banja Luka (BA) – Lika (HR)   |                            | HEP-TSO  | 27. 227         |
| CEE elec | E139 | HR        |  | OHL 400 kV Lika – Brinje   |                            | HEP-TSO  | 27. A105        |
| CEE elec | E140 | HR        |  | OHL 400 kV Lika – Velebit  |                            | HEP-TSO  | 27. A106        |
| CEE elec | E141 | HR        |  | 400/110 kV substation Lika   |                            | HEP-TSO  | 27. A107        |
| CEE elec | E142 | HR        |  | 400/220 kV substation Brinje   |                            | HEP-TSO  | 27. A108        |
| CEE elec | E143 | HR        |  | OHL 400 kV Konjsko – Velebit   |                            | HEP-TSO  | 28. A114        |
| CEE elec | E144 | HU        |  | Second 400/120 kV transformer and a 2x70 Mvar shunt reactor in substation Sajóivánka   |                            | MAVIR  | 48.A127         |
| CEE elec | E145 | HU        |  | Third 400/120 kV transformer and a 70 Mvar shunt reactor in substation Győr  |                            | MAVIR  | 48.A128         |
| CEE elec | E146 | HU/SK     |  | <b>Erection of new 2x400 kV line between SK (Velké Kapušany substation) and HU (substation on Hungarian side still to be defined in the area of Kisvárda)</b>              |                            | MAVIR, SEPS  | 54.A127         |
| CEE elec | E147 | HU/SK     |  | New interconnection (new 2x400 kV tie-line) between SK and HU starting from Gabčíkovo substation (SK) to the Gönyű substation on the Hungarian side (preliminary decision) | 2017                       | MAVIR, SEPS  | 48.214          |
| CEE elec | E148 | HU/SK     |  | Connection of the two existing substations Rimavská Sobota (SK) - Sajóivánka (HU) by a new 2x400 kV line (preliminary armed only with one circuit)                         |                            | MAVIR, SEPS  | 48.A126         |
| CEE elec | E280 | HU/SK     | Gabčíkovo (SK) –Gönyű (HU) interconnection | 2 x 400 kV a.c. interconnection from Gabčíkovo substation to Gönyű substation  | 2017                       | Enel Produzione / Generation and Energy Management | Non-TYNDP       |
| CEE elec | E157 | IT        |  | 400 kV OHL Volpago – Venezia N.  |                            | Terna  | 26.83           |
| CEE elec | E158 | IT        |  | 400 kV OHL Dolo – Camin  |                            | Terna  | 26.93           |
| CEE elec | E159 | IT        |  | 400 kV OHL Udine W.– Redipuglia  |                            | Terna  | 27.92           |
| CEE elec | E160 | IT        |  | 1000MW HVDC Italy- Montenegro  |                            | Terna  | 28.7            |
| CEE elec | E161 | IT        |  | 400 kV OHL Fano – Teramo   |                            | Terna  | 28.89           |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project  | Description   | Planned date of completion | Project promoter(s)      | TYNDP reference |
|----------|------|-----------|--|---|----------------------------|--------------------------|-----------------|
| CEE elec | E163 | IT        |  | 400 Kv OHL Feroletto – Maida  |                            | Terna                    | 30.87           |
| CEE elec | E164 | IT        |  | 400 kV OHL Montecorvino – Benevento   |                            | Terna                    | 32.88           |
| CEE elec | E165 | IT        |  | 400 kV OHL Foggia – Benevento   |                            | Terna                    | 32.91           |
| CEE elec | E166 | IT        |  | 400 kV OHL Deliceto – Bisaccia  |                            | Terna                    | 32.96           |
| CEE elec | E167 | IT        |  | Interconnection Italy - Austria   |                            | Terna                    | 26.A102         |
| CEE elec | E168 | IT        |  | 400 kV OHL Foggia – Villanova   |                            | Terna                    | 28.86           |
| CEE elec | E169 | IT        |  | 400 kV Restructuring of North Calabria  |                            | Terna                    | 32.A99          |
| CEE elec | E170 | IT        |  | 400 kV OHL Aliano - Montecorvino  |                            | Terna                    | 32.110a         |
| CEE elec | E171 | IT        |  | Storage projects in Southern Italy  |                            | Terna                    | Non-TYNDP       |
| CEE elec | E185 | IT/AL     | ITALY-ALBANIA MERCHANT LINE                        | Direct current interconnecting cable with a capacity of 500 MW and a voltage of 400 kV. The line is 147 km long. 14 km are on the Italian soil (buried), 10 km are on the Albanian soil (3 buried and 7 aerial), while the remaining 123 km run along the seabed in the Channel of Otranto. The two extremities are connected to a conversion station on the Italian side connected to the existing ESS at 380 kV located in the south of Brindisi and a conversion station on the Albanian side connected to the existing ESS at 220 kV in Babica. | 2014                       | Moncada Energy Group     | Non-TYNDP       |
| CEE elec | E188 | IT/HR     | Europagrid Adriatic - Italy Croatia Interconnector | 800MW HVDC Interconnection between Italy and Croatia based upon an 800 MW HVDC Voltage Sourced Conversion system Candida to Konsjko 380 KV substations. The planed length of the submarine cable will be 198KM and land cable of 16km (5km Italy, 11km Croatia).  | 2017                       | Europagrid               | Non-TYNDP       |
| CEE elec | E189 | IT/SI     |  | 400 kV OHL Okroglo (SI) – Udine W. (IT)   |                            | Terna, ELES              | 27.68           |
| CEE elec | E190 | IT/SI     |  | Interconnector HVDC Italy– Slovenia   |                            | Terna, ELES              | 27.A96          |
| CEE elec | E191 | IT/SI     | Dekani (SI) – Zaule (I) interconnection            | The project concerns a 110 kV AC 150 MW merchant line.  | 2014                       | Adria Link S.r.l.        | Non-TYNDP       |
| CEE elec | E192 | IT/SI     | Redipuglia (I) – Vrtojba (SI) interconnection      | The project concerns a 110kV AC 150 MW merchant line.   | 2015                       | Adria Link S.r.l.        | Non-TYNDP       |
| CEE elec | E193 | IT/SI     | Redipuglia (I) – Divača (SI) interconnection       | The project concerns a 380 kV a.c., 900 MW merchant line from Redipuglia substation to Divača substation.   | 2019                       | Adria Link S.r.l.        | Non-TYNDP       |
| CEE elec | E205 | PL        | <b>Wind Integration</b>                            | <b>New 2x400 kV OHL Grudziądz (PL) - Gdańsk Przyjaźń (PL) and new AC 400/110 kV substation Pelplin</b>  | 2020                       | <b>PSE Operator S.A.</b> | 102.326         |
| CEE elec | E206 | PL        | <b>Wind Integration</b>                            | Extension and upgrade of 400kV substation Gdańsk Błonia (PL)  | 2020                       | <b>PSE Operator S.A.</b> | 102.A72         |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project



List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°          | Countries | Project   | Description   | Planned date of completion | Project promoter(s)                               | TYNDP reference |
|----------|-------------|-----------|---|---|----------------------------|---|-----------------|
| CEE elec | E207        | PL        | <del>Wind Integration</del>   | New 400kV substation Dargoleza (PL)   | 2020                       | <del>PSE Operator S.A.</del>                      | 57.32           |
| CEE elec | E208        | PL        | Wind Integration  | New 400 kV OHL Piła Krzewina (PL) - Bydgoszcz Zachód (PL)   | 2015                       | PSE Operator S.A.                                 | 57.328          |
| CEE elec | E209        | PL        | Wind Integration  | New 400 kV OHL Żydowo (PL) - Słupsk (PL), including new AC 400/110 kV substation Żydowo   | 2020                       | PSE Operator S.A.                                 | 57.329          |
| CEE elec | E210        | PL        | Wind Integration  | Żydowo (PL) - Gdańsk Przyjaźń (PL), including new 400 kV substation Gdańsk Przyjaźń   | 2020                       | PSE Operator S.A.                                 | 57.33           |
| CEE elec | E211        | PL        | Wind Integration  | Dunowo (PL) - Plewiska (PL), including switchgear in existing substation Piła Krzewina and upgrade of substation Dunowo   | 2020                       | PSE Operator S.A.                                 | 57.352          |
| CEE elec | E212        | PL        | GerPol Power Bridge   | Krajnik (PL) - Baczyna (PL), new 400 kV substation Baczyna, upgrading Krajnik (PL), Plewiska (PL)   | 2020                       | PSE Operator S.A.                                 | 58.353          |
| CEE elec | E213        | PL        | GerPol Power Bridge   | OHL upgrade to 400kV Mikułowa (PL) - Świebodzice (PL)   | 2020                       | PSE Operator S.A.                                 | 58.355          |
| CEE elec | E214        | PL        | GerPol Power Bridge   | New 400kV substation Gubin (PL)   | 2020                       | PSE Operator S.A.                                 | 58.A67          |
| CEE elec | E215        | PL        | GerPol Improvements   | Upgrade 400kV Krajnik (PL)  | 2014                       | PSE Operator S.A.                                 | 94.A68          |
| CEE elec | E216        | PL        | GerPol Improvements   | Upgrade 400kV Mikułowa (PL)   | 2014                       | PSE Operator S.A.                                 | 94.A69          |
| CEE elec | E217        | PL        | GerPol Improvements   | Krajnik (PL) - New PST  | 2014                       | PSE Operator S.A.                                 | 94.A70          |
| CEE elec | E218        | PL        | GerPol Improvements   | Mikułowa (PL) - New PST   | 2014                       | PSE Operator S.A.                                 | 94.A71          |
| CEE elec | E219        | PL        | A technology of saving energy resources and reducing CO2 emissions for a large-scale energy systems | The proposed technology automatically accurately calculates in real time mode when and what kind of equipment or group of equipment must be turned on or off in the energy system. The technology precisely calculates in real time mode which mode of operation should be established for each of the powered equipment. | 2017                       | Energy Logistics Polska Sp. Z.o.o                 | Non-TYNDP       |
| CEE elec | <b>E286</b> | PL        | Wind Integration  | New 2x400kV OHL Patnów (PL) - Grudziadz (PL)  | 2020                       | PSE Operator S.A.                                 | 102.334         |
| CEE elec | E220        | PL/DE     | Neuenhagen (DE) – Krajnik (PL) interconnection  | 380 kV a.c. interconnection from Neuenhagen substation to Krajnik substation.   | 2016                       | Enel Produzione, Generation and Energy Management | Non-TYNDP       |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project   | Description  | Planned date of completion | Project promoter(s) | TYNDP reference |
|----------|------|-----------|---|--|----------------------------|---------------------|-----------------|
| CEE elec | E231 | RO        |   | New 400kV OHL Pancevo (RS) - Resita (RO)   |                            | Transelectrica S.A. | 50.238          |
| CEE elec | E232 | RO        |   | New 400kV OHL Portile de Fier (RO) Resita (RO)   |                            | Transelectrica S.A. | 50.269          |
| CEE elec | E233 | RO        |   | Upgrade OHL to 400kV Resita( RO) Timisoara-Sacalaz-Arad (RO)   |                            | Transelectrica S.A. | <b>50.270</b>   |
| CEE elec | E234 | RO        |   | connection IN-OUT in Medgidia(RO) of actual 400kV OHL Isaccea(RO)-Varna (BG)   |                            | Transelectrica S.A. | 53.271          |
| CEE elec | E235 | RO        |   | Connection of 400 kV OHLs Isaccea (RO) - Dobrudja (BG) in substation Medgidia S (RO)   |                            | Transelectrica S.A. | 53.272          |
| CEE elec | E236 | RO        |   | New 400 kV OHL Cernavoda-Stalpu double circuit (one circuit connected in-out to 400 kV substation Gura Ialomitei)  |                            | Transelectrica S.A. | 53.273          |
| CEE elec | E237 | RO        |   | New 400 KV double circuit OHL (1 circuit equipped) Medgidia S – Constanta N  |                            | Transelectrica S.A. | 53.274          |
| CEE elec | E238 | RO        |   | New 400 kV double circuit OHL (1 circuit equipped) Gutinas-Smardan   |                            | Transelectrica S.A. | 53.275          |
| CEE elec | E239 | RO        |   | New 400 KV OHL Gădălin - Suceava   |                            | Transelectrica S.A. | 53.276          |
| CEE elec | E240 | RO        | Connection to the grid of Hydro-Electricity Storage Tarnita Laputesti | New 400 kV OHL Tarnita – Mintia  |                            | Transelectrica S.A. | 108.A134        |
| CEE elec | E241 | RO        | Connection to the grid of Hydro-Electricity Storage Tarnita Laputesti | New 400 kV OHL Tarnita – Cluj-Gadalin  |                            | Transelectrica S.A. | 108.A135        |
| CEE elec | E242 | RO        | Connection to the grid of Hydro-Electricity Storage Tarnita Laputesti | New 400 kV substation Tarnita  |                            | Transelectrica S.A. | 108.A136        |
| CEE elec | E243 | RO        |   | <b>Stejaru (RO) Gheorghieni (RO). Reconductoring (with HTLS) of existing simple circuit 220kV line</b>   |                            | Transelectrica S.A. | 53.A131         |
| CEE elec | E244 | RO        |   | Upgrade to 400 kV of the existing single circuit line Stalpu-Teleajen-Brazi V, operated presently at 220 kV but built initially for 400 kV configuration. New 400 kV substations |                            | Transelectrica S.A. | 53.A132         |
| CEE elec | E245 | RO        |   | Fantanele (RO) Ungheni (RO). Reconductoring (with HTLS) of existing simple circuit 220kV line.   |                            | Transelectrica S.A. | 53.A133         |
| CEE elec | E246 | RO        |   | Gheorghieni (RO) Fantanele (RO). Reconductoring (with HTLS) of existing simple circuit 220kV line.   |                            | Transelectrica S.A. | 53.A134         |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor    | N°          | Countries | Project  | Description   | Planned date of completion | Project promoter(s)          | TYNDP reference                |
|-------------|-------------|-----------|--|---|----------------------------|------------------------------|--------------------------------|
| CEE elec    | E247        | RO        |  | Phase shifter transformers on the 400 kV lines Medgidia /Deleni (Romania) – Varna and Medgidia /Deleni (Romania) – Isaccea.   | 2017                       | CNTEE<br>Transelectrica S.A. | Non-TYNDP                      |
| CEE elec    | E248        | RO        |  | new 400 kV overhead line Suceava (Romania) - Balti (Republic Moldova)   |                            | Transelectrica S.A.          | TYNDP RgIP 26/ Third country   |
| CEE elec    | E249        | RO        |  | new 400 kV substation Balti (Republic Moldova), as extension of the existing 330/35 kV substation   |                            | Transelectrica S.A.          | TYNDP RgIP 267 / Third country |
| CEE elec    | E256        | SI        |  | Double 400 kV OHL Cirkovce (SI)-Heviz(HU) / Žerjavinec (HR)   |                            | ELES                         | 27.223                         |
| CEE elec    | E257        | SI        |  | Upgrading of the internal 220kV lines to 400kV along the corridor Divača-Kleče-Beričevo-Podlog-Cirkovce   |                            | ELES                         | 27.225                         |
| CEE elec    | E258        | SK        |  | New 2x400kV lines Veľký Ďur (SK) Gabčíkovo (SK)   |                            | SEPS                         | 48. 298                        |
| CEE elec    | E259        | SK        |  | Voľa (SK) point of splitting (SK)   |                            | SEPS                         | 54. 293                        |
| CEE elec    | E260        | SK        | Regional electricity storage and balancing project in Central European UGS Lab | Installation of electric driven compressors. In addition the installation of steam turbine at Central Station Gajary will enable production of electricity from turbines exhaust gases.                   | 2019                       | NAFTA a.s.                   | Non-TYNDP                      |
| CEE elec    | <b>E285</b> | SK        |  | <b>Erection of new 2x400 kV line between Lemešany and Veľké Kapušany substations</b>  | 2018                       | SEPS                         | <b>54.294</b>                  |
| NSOG        | E17         | BE        |  | Two offshore platforms connected to AC onshore grid   |                            | Elia                         | 75.A28                         |
| NSOG        | E18         | BE        | H2WIN – Hydrogen to Worldwide Integration                                      | Developing a hydrogen generator which will enable hydrogen to be produced with a very high yield from water and electricity thanks to an enzymatic system taken from biomimicry (proof of concept stage). | 2017                       | Bio Solution                 | Non-TYNDP                      |
| <b>NSOG</b> | E69         | DE        |  | OHL Kassø – Audorf, 44.148 OHL Audorf – Hamburg/Nord, 44.147 OHL Hamburg/Nord – Dollern   |                            | Tennet                       | 39.144                         |
| NSOG        | E70         | DE        |  | Dörpen/West. New substation for connection of offshore wind farms.  |                            | Tennet                       | 42. 152                        |
| NSOG        | E71         | DE        |  | Cluster BorWin1 (DE) - Diele (DE). New HVDC transmission system consisting of offshore platform, cable and converters   |                            | Tennet                       | 42. 159                        |
| NSOG        | E72         | DE        |  | Offshore- Wind park Nordergründe (DE) -Inhausen (DE). New AC-cable connection   |                            | Tennet                       | 42. 160                        |
| NSOG        | E73         | DE        |  | Offshore- Wind park GEOFreE (DE) - Göhl (DE). New AC-cable connection   |                            | Tennet                       | 42. 161                        |
| NSOG        | E74         | DE        |  | Cluster HelWin1 (DE)-Büttel (DE). New HVDC transmission system consisting of offshore platform, cable and converters  |                            | Tennet                       | 42. 163                        |
| NSOG        | E75         | DE        |  | Cluster SylWin1 (DE)- Büttel (DE) New line consisting of underground +subsea cable  |                            | Tennet                       | 42. 164                        |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project  | Description   | Planned date of completion | Project promoter(s)           | TYNDP reference |
|----------|------|-----------|--|---|----------------------------|-------------------------------|-----------------|
| NSOG     | E76  | DE        |  | Cluster DolWin1 (DE)-Dörpen/West (DE). New line consisting of underground +subsea cable   |                            | Tennet                        | 42. 165         |
| NSOG     | E77  | DE        |  | Offshore Wind park Riffgat (DE)-Emden /Borßum(DE). New AC-cable connection  |                            | Tennet                        | 42. 166         |
| NSOG     | E78  | DE        |  | Cluster BorWin2 (DE)-Diele (DE). New HVDC transmission systm consisting of offshore platform, cable and converters  |                            | Tennet                        | 42. 167         |
| NSOG     | E79  | DE        |  | Cluster DolWin2 (DE)- Dörpen/West (DE). New HVDC transmission systm consisting of offshore platform, cable and converters   |                            | Tennet                        | 42. A82         |
| NSOG     | E80  | DE        |  | Cluster DolWin3 (DE)-Dörpen/West (DE) New HVDC transmission systm consisting of offshore platform, cable and converters.  |                            | Tennet                        | 42. A83         |
| NSOG     | E81  | DE        |  | Cluster BorWin3-Dörpen/West (DE). New HVDC transmission systm consisting of offshore platform, cable and converters   |                            | Tennet                        | 42. A84         |
| NSOG     | E82  | DE        |  | Cluster HelWin2- Büttel (DE). New HVDC transmission systm consisting of offshore platform, cable and converters   |                            | Tennet                        | 42. A85         |
| NSOG     | E83  | DE        |  | Cluster BorWin4(DE)- Emden/Ost (DE). New HVDC transmission systm consisting of offshore platform, cable and converters  |                            | Tennet                        | 42. A86         |
| NSOG     | E84  | DE        |  | Cluster SylWin2 (DE)-Büttel (DE). New HVDC transmission systm consisting of offshore platform, cable and converters   |                            | Tennet                        | 42. A87         |
| NSOG     | E85  | DE        |  | <del>Further connections of more offshore wind farms (DE). Further connections in the clusters BorWin, DolWin, SylWin and HelWin.</del>   |                            | Tennet                        | 42. 211         |
| NSOG     | E90  | DE        |  | Area of Schleswig-Holstein. 300km new 380kv lines and 24 new transformers   |                            | Tennet                        | 43.A90          |
| NSOG     | E137 | FR/UK     |  | New subsea HVDC link between the UK and France  |                            | RTE, National Grid            | 25.62           |
| NSOG     | E151 | IE        | Project CAES-Larne                                   | Phase 1 grid connection at 110kV or 275kV; capacity (net annual generation) initially up to 650GWh, subsequent phases to provide over 2TWh in line with Irish Sea and N Atlantic offshore wind build-out. | 2030                       | Gaelectric Energy Storage Ltd | Non-TYNDP       |
| NSOG     | E149 | IE/UK     | Natural Hydro Energy Strategic Energy Infrastructure | Large scale pumped storage schemes on the Irish West Coast interconnected by High Voltage DC cables to the Irish and UK grid systems.   | 2019                       | Natural Hydro Energy Ltd      | Non-TYNDP       |
| NSOG     | E150 | IE/UK     | MAREX (Mayo Atlantic Renewable Energy Export)        | MAREX is a storage and transmission project to deliver 6TWhr of clean, competitive, dispatchable electricity from Ireland to UK for 31st March 2017   | 2017                       | Organic Power Ltd.            | Non-TYNDP       |
| NSOG     | E154 | IE/UK     |  | New Ireland-Great Britain Interconnector  |                            | Eirgrid                       | 106             |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor    | N°   | Countries | Project                                      | Description   | Planned date of completion | Project promoter(s)  | TYNDP reference |
|-------------|------|-----------|--|---|----------------------------|--|-----------------|
| NSOG        | E291 | IE/UK     | ISLES (Irish Scottish Links on Energy Study) | Offshore interconnected electricity grid based on renewable resources (wind, wave and tidal). The area of study is to the north and west of Scotland and the island of Ireland. Based on the existing resource assessments, a total of 16GW of realisable energy are available to be exploited within the ISLES area. An ISLES cross-jurisdictional offshore integrated network, based on HVDC interconnectors, is economically viable and competitive under certain regulatory frameworks and has the potential to deliver a range of wider economic, environmental and market related benefits, with offshore generation delivered at a capex of c. €1.15 million/MW. | 2016                       | Scottish Government; Department of Enterprise, Trade and Investment (NI); Department of Communication, Energy and Natural Resources (IE) | Non-TYNDP       |
| <b>NSOG</b> | E198 | NL/DK     |  | COBRA - new DK-NL HVDC line   |                            | Tennet   | 71.427          |
| NSOG        | E199 | NO/DE     | <b>Nord.Link/NorGer</b>                      | Nord.Link: a new HVDC connection between Southern Norway and Northern Germany   |                            | Stattnet   | <b>37.142</b>   |
| NSOG        | E200 | NO/UK     |  | NSN: a new 1400MW HVDC connection between Western Norway and the UK   |                            | Stattnet, National Grid  | 110.424         |
| NSOG        | E255 | SE        |  | Skogssäter – Stenungsund/Skogssäter 400 kV transmission line  |                            | Svenska Kraftnät   | 105.A60         |
| NSOG        | E261 | UK        | NorthConnect                                 | NorthConnect is a joint venture project to realise an HVDC electricity interconnector between Norway and the UK.  | 2019                       | NorthConnect KS  | Non-TYNDP       |
| <b>NSOG</b> | E262 | UK        |  | New 400kV substation in Richborough (GB) and new 400kV OHL to Canterbury (GB)   |                            | National Grid  | 74              |
| <b>NSOG</b> | E263 | UK        |  | Reconductoring Sellindge (GB) - Dungeness (GB)  |                            | National Grid  | 74              |
| <b>NSOG</b> | E265 | UK        |  | New 400kV cables St. John's Wood (GB) - Wimbledon (GB)  |                            | National Grid  | 76              |
| <b>NSOG</b> | E266 | UK        |  | New 400kV double circuit Hackney (GB) - St. John's Wood (GB)  |                            | National Grid  | 76              |
| <b>NSOG</b> | E267 | UK        |  | Reconductor Pelham (GB) - Waltham Cross (GB)  |                            | National Grid  | 76              |
| <b>NSOG</b> | E268 | UK        |  | Uprate to 400kV Hackney (GB) - Waltham Cross (GB)   |                            | National Grid  | 76              |
| <b>NSOG</b> | E269 | UK        |  | Uprate to 400kV West Weybridge (GB) - Beddington (GB)   |                            | National Grid  | 76              |
| <b>NSOG</b> | E270 | UK        |  | New 2000MW HVDC link Peterhead (GB) - Hawthorn Pit (GB)   |                            | National Grid  | 77              |
| <b>NSOG</b> | E271 | UK        |  | Uprate to 400kV Hawthorn Pit (GB) - Norton (GB)   |                            | National Grid  | 77              |
| <b>NSOG</b> | E273 | UK        |  | New HVDC bipolar interconnector Wylfa (GB) - Pembroke (GB)  |                            | National Grid  | 79              |
| <b>NSOG</b> | E274 | UK        |  | Upgrade to double circuit Pentir (GB) - Trawsfynydd (GB)  |                            | National Grid  | 79              |
| <b>NSOG</b> | E276 | UK        |  | Under Consideration (GB East Coast) - Under Consideration (GB East Coast)   |                            | National Grid  | 86              |
| <b>NSOG</b> | E277 | UK        |  | Wylfa (GB) - Pentir (GB)  |                            | National Grid  | 86              |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project   | Description   | Planned date of completion | Project promoter(s) | TYNDP reference |
|----------|------|-----------|---|---|----------------------------|---------------------|-----------------|
| NSOG     | E264 | UK/BE     | Nemo  | DC sea link with 1000MW capacity  |                            | National Grid, Elia | 74.443          |
| NSOG     | E279 | UK/FR     | ElecLink  | 500 MW (potentially expandable to 1000MW) merchant interconnector passing through the Service Tunnel of the Channel Tunnel to link the 400kV grids in England and France.   | 2015                       | STAR Capital        | Non-TYNDP       |
| WE elec  | E10  | AT        | Pumped Storage Power Plant Limberg II                     | In the area of the right-hand river bank, a head race tunnel, approx. 4 km long, and a 0.6 km vertical penstock handling a water volume of 144m <sup>3</sup> /s will be cut out of the rock using two tunnelling machines. For the two power units, a machine cavern 62 m long, 25 m wide and 43 m high, will be excavated from inside the rock.  | 2021                       | Verbund A.G.        | Non-TYNDP       |
| WE elec  | E11  | AT        | Efficiency Programm "Malta Power Plant Group"             | Major revision and repair work as well as the renewal of essential building components.   | 2015                       | Verbund A.G.        | Non-TYNDP       |
| WE elec  | E13  | AT        | Efficiency Program Kaprun Power Plant                     | The peak capacity and production will be increased.   | 2015                       | Verbund A.G.        | Non-TYNDP       |
| WE elec  | E4   | AT        |   | New 190km 380kV OHL connecting Obersielach (AT) – Lienz (AT)  |                            | APG                 | 26.218          |
| WE elec  | E5   | AT        |   | Upgrade of existing line Westtirol (AT) – Zell-Ziller (AT)  |                            | APG                 | 47.219          |
| WE elec  | E6   | AT        | Pumped Storage Power Plant Limberg III                    | In the area of the righthand bank, a machine cavern for the two power units will be excavated inside the rock. The approx. 5.4 km pressure tunnel and penstock for a water volume of 144m <sup>3</sup> /s will be constructed on the righthand bank, parallel to the tunnel system of Limberg II. Power transmission (energy outlet and intake) is ensured by an existing 380kV double line linking the tension insulator portal to the substation Kaprun/main stage. | 2020                       | Verbund A.G.        | Non-TYNDP       |
| WE elec  | E7   | AT        | Efficiency Increase Program "Zillertal Power Plant Group" | Mayrhofen power plant is to increase its turbine capacity and its annual production. The projected increase in pumping capacity at Roßhag and the production increase from the pump operation enable increasing the efficiency of the pumped storage.   | 2014                       | Verbund A.G.        | Non-TYNDP       |
| WE elec  | E8   | AT        | Pumped Storage Power Plant Reisseck II                    | A newly constructed lead race channel is to supply the new power plant of the cavern type (length: 58 m, width: 25 m, height: 43 m). Another lead race channel will link the new power plant to the existing pressure tunnel of the Gösskar and Galgenbichl reservoirs (Malta group), which is connected to Rottau power station. These reservoirs of the Malta group are used as the downstream basin of Reisseck II.  | 2014                       | Verbund A.G.        | Non-TYNDP       |

~~Strikethrough~~: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor           | N°             | Countries     | Project  | Description  | Planned date of completion | Project promoter(s)            | TYNDP reference          |
|--------------------|----------------|---------------|--|--|----------------------------|--------------------------------|--------------------------|
| WE elec            | E9             | AT            | Pumped Storage Power Plant "Energiespeicher Riedl" | A pumped storage power plant is planned downstream from Jochenstein HPP, on the Danube.  | 2018                       | Verbund A.G.                   | Non-TYNDP                |
| <b>WE elec</b>     | E16            | AT/IT         |  | 380kV line from Lienz (AT) to Veneto Region (IT)   |                            | APG, Terna                     | 26.63                    |
| WE elec            | E19            | BE/DE         |  | New 100km HVDC between Germany (Aachen/Düren region) and Belgium (Lixhe – Liège region), new 380kV OHLs.   |                            | Elia, Amprion                  | 92.146                   |
| WE elec            | E284           | DE            | Compressed Air Energy Storage in Harsefeld         | An electricity storage facility in an underground geological site. The project will apply on an innovative technology consisting in partially adiabatic compression of air and heat storage. The project's capacity is envisaged at 100 MW generation allowing a net annual capacity generation of at least 130 GWh. | 2018/2019                  | Storengy                       | Non-TYNDP                |
| <del>WE elec</del> | <del>E87</del> | <del>DE</del> |  | <del>New 400kV OHL Isar/Ottenhofen – St. Peter (APG)</del>   |                            | <del>Tennet</del>              | <del>47.212</del>        |
| WE elec            | E88            | DE            |  | New DC lines Rhine Ruhr area (DE) - Area of Stuttgart (DE)   |                            | Amprion, TransnetBW            | 43. A81                  |
| WE elec            | E89            | DE            |  | DC-Link, Schleswig-Holstein – Bavaria / Baden-Württemberg  |                            | TransnetBW, Tennet             | 43.A88                   |
| WE elec            | E91            | DE            |  | New lines Cloppenburg (DE) - North Baden-Wuerttemberg (DE)   |                            | Amprion                        | 43.A153, 43.A154, 44.A16 |
| WE elec            | E92            | DE/CH         |  | Area of Bodensee (DE, AT, CH). New lines and extensions  |                            | Amprion, TransnetBW, Swissgrid | 90.136                   |
| WE elec            | E93            | DE/NL         |  | New 400kV OHL Niederrhein (DE) - Doetinchem (NL)   |                            | Amprion, Tennet                | 103.145                  |
| WE elec            | E127           | ES            |  | New 220kV OHL from JM Oriol (ES) / Arenales -Caceres (ES) and new substation   | 2015                       | Red Eléctrica de España        | 4.21                     |
| WE elec            | E128           | ES            |  | Santa Llogaia (ES) / Bescanó (ES). New 440kV OHL and substations   | 2014                       | Red Eléctrica de España        | 5.37                     |
| WE elec            | E129           | ES            |  | <b>PST Arkale (ES) on Arkale-Argia 220 kV interconnection line</b>   | 2015-2016                  | Red Eléctrica de España        | 16.A17                   |
| WE elec            | E130           | ES, UK        |  | HVDC submarine link Spain – Great Britain  | 2025                       | Red Eléctrica de España        | Non-TYNDP                |

~~Strikethrough~~: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N°   | Countries | Project   | Description   | Planned date of completion | Project promoter(s)  | TYNDP reference |
|----------|------|-----------|---|---|----------------------------|--|-----------------|
| WE elec  | E131 | ES/UK     | Galicia Iberian Renewable Energy Export (GIBREX)  | The concept scheme is a combination storage (Spain) and HVDC transmission system from Galicia in Spain to UK. The location proposed for the conceptual 25GWhr, 2GW capacity sea water PHES has the potential to provide a large scale storage in North West Spain ( adjacent to concentrated wind development) to accept Spanish renewable solar and wind generated electricity for dispatch export to UK, via a 600kV HVDC cable to Plymouth UK of at least 10TWhr/yr. | 2020                       | Organic Power Ltd.<br>Company Number<br>Ireland 406133     | Non-TYNDP       |
| WE elec  | E133 | FR        |   | Savoie-Piémont project (FR, IT). New 190km HVDC interconnection underground.  |                            | RTE  | 21.55           |
| WE elec  | E132 | FR, ES    |   | New France-Spain HVDC interconnection in the Western part of the border via 320kV DC subsea cable in the Biscay Gulf  | 2020                       | RTE, REE   | 16.38           |
| WE elec  | E135 | FR/IT     | Cesana Torinese (I) – Briançon (FR) interconnection   | The project concerns a 132 kV a.c., 100 MW merchant line from Cesana substation to Briançon substation.   | 2016                       | Enel Produzione,<br>Generation and<br>Energy<br>Management | Non-TYNDP       |
| WE elec  | E136 | FR/IT     | Ventimiglia (I) – Menton (FR) interconnection   | The project concerns a 20 kV, 40 MW back-to-back merchant line from Ventimiglia substation to Menton substation.  | 2015                       | Enel Produzione,<br>Generation and<br>Energy<br>Management | Non-TYNDP       |
| WE elec  | E290 | FR/IT     | Le Broc / Carros (Provence-Alpes-Côte d'Azur / France) - Entracque (Piemonte / Italy) interconnection | 380 kV a.c., 500 MVA merchant line from the substation between Le Broc and Carros (Le Broc and Carros / Provence-Alpes-Côte d'Azur / France) to Entracque substation (Entraque / Piemonte / Italy).   | 2016                       | 2S Energy S.r.l.   | Non-TYNDP       |
| WE elec  | E134 | FR/UK     | Channel Cable Interconnector  | Direct Current (DC) bipolar interconnector, which consists of two bundled high-voltage cables. The Channel Cable will have a capacity of 1100 Megawatts and a total length of 130 kilometers.   | 2016                       | Europagrid Ltd.  | Non-TYNDP       |
| WE elec  | E153 | IE        |   | Grid Link - 400kV OHL   |                            | Eirgrid  | 83.469          |
| WE elec  | E152 | IE/UK     |   | Renewables Integration Development Project  |                            | Eirgrid, SONI  | 82.463          |
| WE elec  | E155 | IE/UK     |   | North South Interconnection, 140km 400kV OHL  |                            | Eirgrid, SONI  | 81              |
| WE elec  | E156 | IE/UK     | Greenwire   | 3GW of onshore wind in Ireland to be directly connected using c250km HVDC cables to the UK power system in Wales  | 2018                       | Element Power  | Non-TYNDP       |
| WE elec  | E162 | IT        |   | HVDC El Auaría (TU) - Partanna (IT) (3rd country)   |                            | Terna  | 29.73           |
| WE elec  | E172 | IT        |   | 380 kV Trino – Lacchiarella   |                            | Terna  | 21.81           |
| WE elec  | E173 | IT        |   | 400 kV OHL Partanna - Ciminna   |                            | Terna  | 29.76           |

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project



List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor           | N°              | Countries     | Project  | Description  | Planned date of completion | Project promoter(s) | TYNDP reference  |
|--------------------|-----------------|---------------|--|--|----------------------------|---------------------|------------------|
| WE elec            | E174            | IT            |  | 400 kV Chiaramonte Gulfi –Ciminna- Sorgente (including 400 kV OHL Paternò – Priolo)  |                            | Terna               | 30.74            |
| <del>WE elec</del> | <del>E175</del> | <del>IT</del> |  | <del>400 kV OHL Paternò – Priolo</del>   |                            | <del>Terna</del>    | <del>30.74</del> |
| WE elec            | E176            | IT            |  | 400 kV OHL Sorgente – Rizziconi  |                            | Terna               | 30.75            |
| WE elec            | E177            | IT            |  | 400 kV OHL Partinico – Fulgatore   |                            | Terna               | 30.77            |
| WE elec            | E178            | IT            |  | 400 kV OHL Tirano – Verderio   |                            | Terna               | 31.112           |
| WE elec            | E179            | IT            |  | 400 kV OHL Pavia – Piacenza  |                            | Terna               | 31.85            |
| WE elec            | E180            | IT            |  | 400 kV OHL Calenzano – Colunga   |                            | Terna               | 33.9             |
| WE elec            | E181            | IT            |  | Interconnection Italy - Algeria (3rd country)  |                            | Terna               | 29.A97           |
| WE elec            | E182            | IT            |  | SACO13 220 kV DC link  |                            | Terna               | 34.A100          |
| WE elec            | E183            | IT            | TuNur  | Power generation will be a 2GW CSP tower plant in Southern Tunisia with storage, A 2GW HVDC submarine cable will connect Tunisia with continental Italy; Will supply the European market with approx. 9.5 TWh/y of baseload power.   | 2020                       | TuNur Limited       | Non-TYNDP        |
| WE elec            | E184            | IT            |  | Installation of about 250 MW of Innovative Batteries on critical 150 kV transmission network in South Italy  |                            | Terna               | Storage          |
| WE elec            | E186            | IT/CH         |  | Interconnection Italy – Switzerland  |                            | Terna, Swissgrid    | 31.A101          |
| WE elec            | E187            | IT/CH         | Greenconnector - HVDC link between Italy and Switzerland | HVDC interconnector project between Italy and Switzerland for power transport using DC cables rather than overhead lines. The route length is about 150 km. The design power is 1000 MW (1200 MW in overload condition), while the DC voltage will be +/- 400 kV DC. Two cables will be installed, working with a bipolar scheme.  | 2018                       | Greenconnector srl  | Non-TYNDP        |
| WE elec            | E197            | LU            |  | New interconnection between Bascharage (LU) and/or Aubange (BE) Moulaine (FR)  |                            | CREOS               | 40.A29           |
| WE elec            | E221            | PT            |  | <b>Total 160km 400kV OHL line from Frades B - Ribeira de Pena - Feira (PT) with the following sections or sub-items:A new 400kV double OHL between Frades B and Ribeira de Pena. A double OHL between Ribeira de Pena and Feira (some sections of this line are supported in the same towers of the 220kV circuit mentioned on the TYNDP with the reference 1.6). A new substation 400/60kV “Ribeira de Pena”. A new switch facility 400 kV “Fridão”</b> |                            | REN                 | <b>1.4</b>       |

~~Strikethrough~~: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor           | N°              | Countries     | Project | Description  | Planned date of completion | Project promoter(s)  | TYNDP reference |
|--------------------|-----------------|---------------|---------|--|----------------------------|----------------------|-----------------|
| WE elec            | E222            | PT            |         | 400 kV OHL Pedralva (PT) - Vila Fria (PT), 50km long, to allow the integration of two Hydro Power Plants with pumping facility (summing up around 1000 MW) without jeopardizing the PT-ES interconnection NTC values.  |                            | REN                  | 1.3             |
| WE elec            | E223            | PT            |         | 400 kV OHL Pedralva (PT) - Alfena (PT), 50km long, to facilitate the NTC between PT and SP facing new amounts of hydro and wind power plants in the regions of Galicia Region (ES) and Minho Province (PT)   |                            | REN                  | 1.2             |
| <del>WE elec</del> | <del>E224</del> | <del>PT</del> |         | <del>New 192km 400kV OHL Ribeira de Pena - Guarda (PT)</del>   |                            | REN                  | <del>±</del>    |
| WE elec            | E225            | PT            |         | New 400 kV station at Frades B (PT) and two new 40km 400kV OHL lines to Pedralva 1&2 (PT) - (each of these lines will supported a 150kV circuit for other purposes).   |                            | REN                  | 1.1             |
| WE elec            | E226            | PT            |         | New 220kV OHL V. P. Aguiar - Carrapatelo - Estarreja (PT)<br>This line will have a section constructed for 400+220kV because it will share a circuit of 400kV belonging to the TYNDP project 1.4.<br>The project is needed to allow the adequate wind integration without jeopardizing the security and quality of supply. |                            | REN                  | 1.6             |
| <del>WE elec</del> | <del>E227</del> | <del>PT</del> |         | <del>New 75km 400+220kV OHL from Macedo de Cavaleiros (PT) - Vila Pouca de Aguiar (PT)</del>   |                            | REN                  | <del>±</del>    |
| WE elec            | E228            | PT/ES         |         | New 400kV OHL Aldeadávila (ES) - Lagoaça (PT) - Armamar (PT) - Recarei (PT)  |                            | REN, REE             | 4.16            |
| WE elec            | E229            | PT/ES         |         | 400kV OHL Guillena (ES)-Puebla DE Guzman (ES) - Tavira (PT) - Portimao (PT)  |                            | REN, REE             | 4.17            |
| WE elec            | E230            | PT/ES         |         | Boboras (ES)-O Covelo (ES) / Vila Fría (PT)- Vila Conde (PT) - Recarei (PT)  |                            | REN, REE             | 4.18            |
| WE elec            | E272            | UK            |         | <b>New 400kV OHL Hinkley (GB) - Seabank (GB)</b>   |                            | National Grid        | 78              |
| <del>WE elec</del> | <del>E275</del> | <del>UK</del> |         | <del>Renewables Integration Development Project</del>  |                            | <del>SONI</del>      | <del>82</del>   |
| WE elec            | E278            | UK/ES/FR      |         | Britain-Iberia ("BRITIB") Interconnector Project (ES, FR, UK)  | 2017                       | Transmission Capital | Non-TYNDP       |

~~Strikethrough~~: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project

List of projects submitted to be considered as potential Projects of Common Interest in energy infrastructure - Electricity

| Corridor | N° | Countries | Project | Description | Planned date of completion | Project promoter(s) | TYNDP reference |
|----------|----|-----------|---------|-------------|----------------------------|---------------------|-----------------|
|----------|----|-----------|---------|-------------|----------------------------|---------------------|-----------------|

The following projects have been added:

E285 E290

E286 E291

The follow projects have been withdrawn:

E18 E64 E224 E124

E87 E68 E227

E99 E206 E275

E100 E207 E260

E174-E175 merged into

E174

Strikethrough: project withdrawn or merged  
 Pink highlighting indicates changes made 27th July

Yellow highlighting indicates changes made 27th June  
 Orange highlighting indicates a new project