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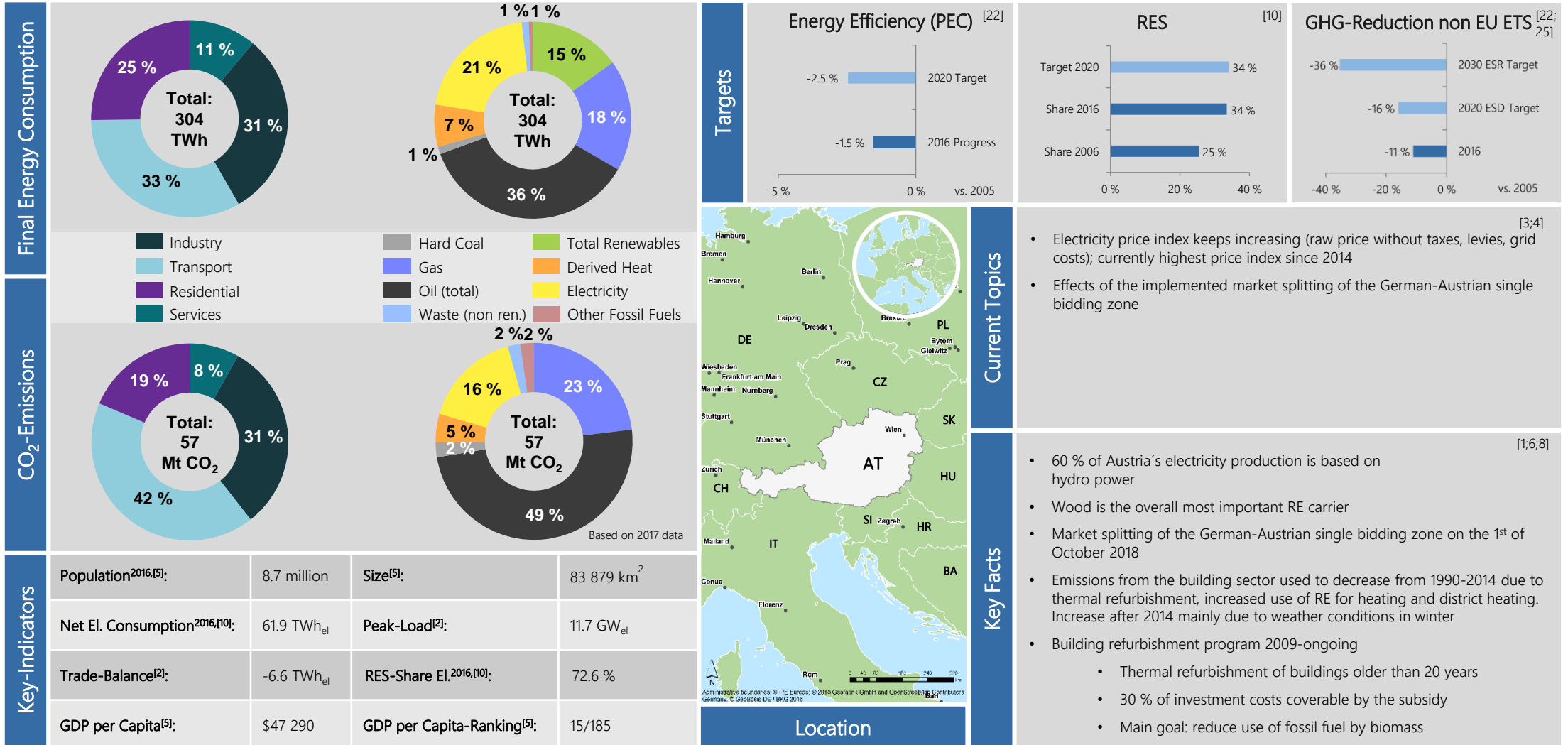


Energy Country Profile Austria



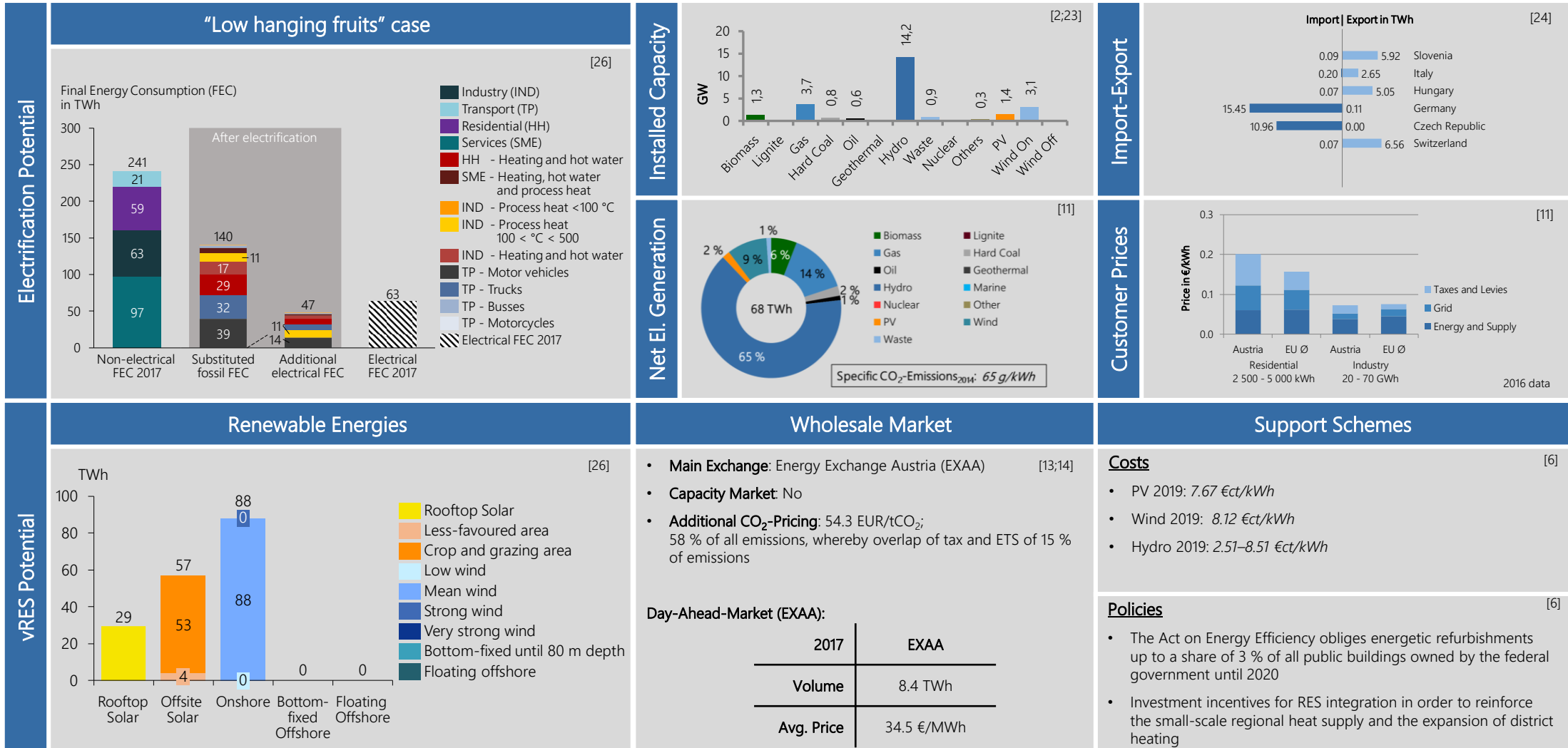
2020

Austria at a Glance



All evaluations based on the year 2017 if not mentioned otherwise.

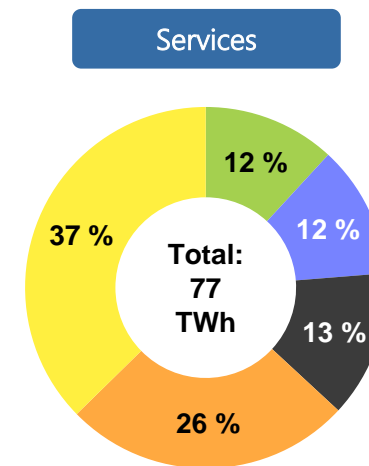
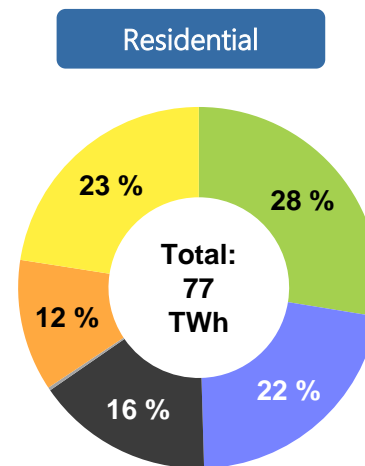
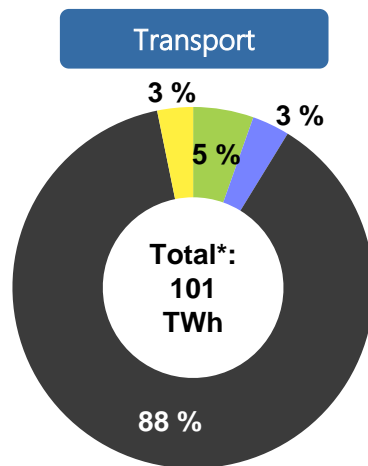
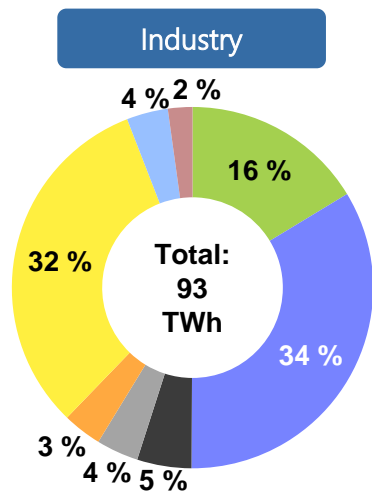
Austria's Electricity Sector



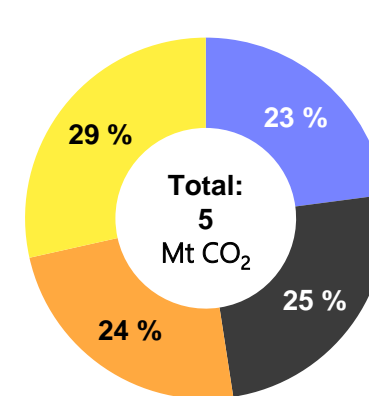
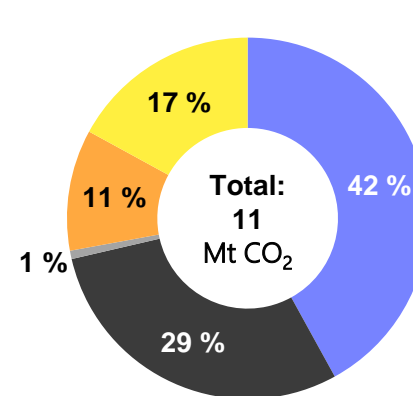
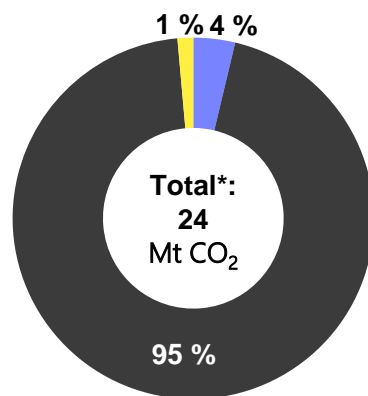
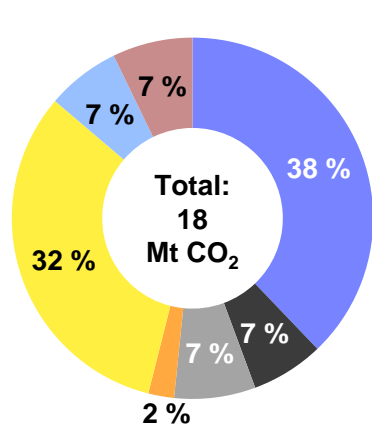
All evaluations based on the year 2017 if not mentioned otherwise.

Austria's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017

Final Energy Consumption



CO₂ - Emissions



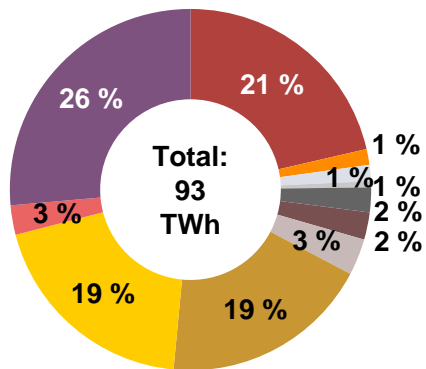
Hard Coal
 Oil (total)
 Gas
 Total Renewables
 Waste (non. ren.)
 Derived Heat
 Electricity
 Other Fossil Fuels

*excluding international aviation

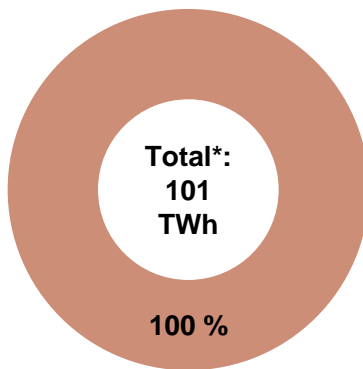
Austria's Energy Consumption & Emissions by Application & Sector - 2017

Final Energy Consumption

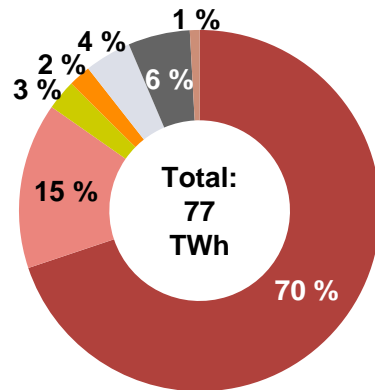
Industry



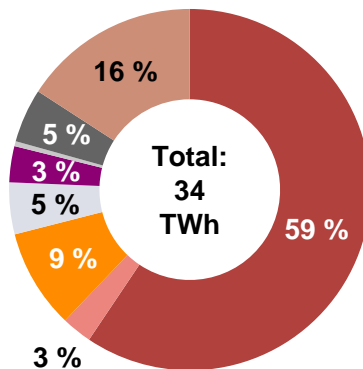
Transport



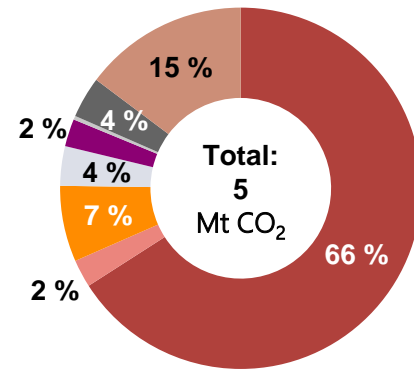
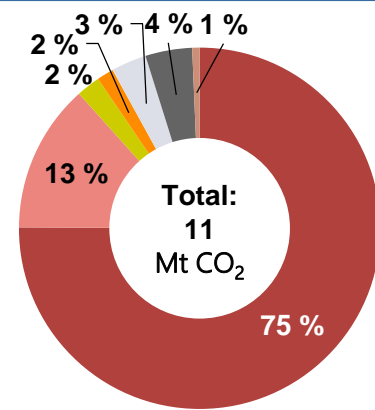
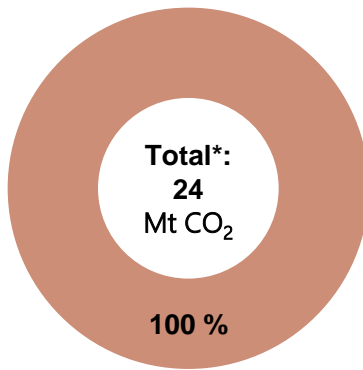
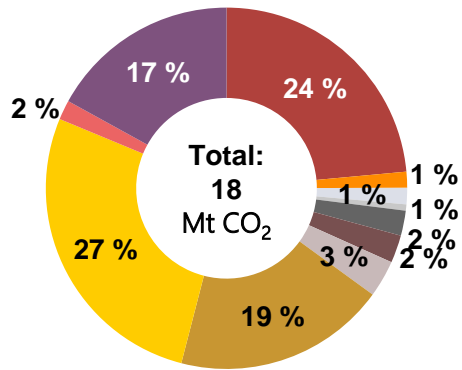
Residential



Services



CO₂ - Emissions



- Space Heating
- Process Heat 100 - 500 °C
- Process Heating < 100 °C
- Other Process Cold
- ICT
- Process Heating
- Cooking
- Pumps
- Warm Water
- Process Heat > 500 °C
- Other Mechanical Energy
- Mechanical Energy
- Lighting
- Compressed Air
- Climate Cold

*excluding international aviation

Austria: Sources

Institutions		
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TSO	Austrian Power Grid	https://www.apg.at/en
Regulator	E-Control	https://www.e-control.at/en/econtrol

Sources	Main Studies
<p>[1] Energy Agency, https://www.energyagency.at/aktuelles-presse/news/detail/artikel/holz-als-wirtschaftsfaktor-neue-klimaaktiv-holzflussbilder-zeigen-wie-der-rohstoff-in-oesterreich-v.html</p> <p>[2] International Renewable Energy Agency, https://www.irena.org/statistics</p> <p>[3] Odysee Mure, http://www.odyssee-mure.eu/publications/national-reports/energy-efficiency-austria.pdf</p> <p>[4] Energy Agency, Electricity Price Index, https://www.energyagency.at/aktuelles-presse/news/detail/artikel/grosshandelspreise-strom-26-hoeher-als-im-vorjahr.html</p> <p>[5] World Development Indicators, The World Bank, https://data.worldbank.org/</p> <p>[6] Res Legal, http://www.res-legal.eu/search-by-country/austria/tools-list/c/austria/s/res-t/t/promotion/sum/91/lpid/94/</p> <p>[7] Klima:Aktiv, Subsidies, https://www.klimaaktiv.at/foerderungen/kam_foerderungen.html</p> <p>[8] Environmental Agency, http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0660.pdf</p> <p>[9] European Commission - Fact Sheet, http://europa.eu/rapid/press-release_MEMO-16-2499_en.htm</p> <p>[10] Eurostat, http://ec.europa.eu/eurostat/statistics-explained/images/b/b7/Table_2-Share_of_energy_from_renewable_sources_in_gross_final_consumption_of_energy_2004-2016.png</p> <p>[11] Eurostat Database, http://ec.europa.eu/eurostat/de/data/database</p> <p>[12] National Flag, http://www.nationalflaggen.de/flaggen-europa.html</p> <p>[13] Electricity Exchange Austria, https://www.exaa.at/download/history/DSHistory2017.xls</p> <p>[14] OECD, Environmental Tax Profile, http://www.oecd.org/tax-policy/environmental-tax-profile-austria.pdf</p> <p>[15] European Commission - Eurostat, 2017, Energy statistics - supply, transformation and consumption: Complete energy balances - annual data - nrg_110a: http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nrg_110a&lang=en</p> <p>[16] European Commission - Eurostat, 2017, Energy consumption in households: http://ec.europa.eu/eurostat/statistics-explained/index.php/Energy_consumption_in_households</p> <p>[17] AG Energiebilanzen e.V., 2018, Energiebilanz der Bundesrepublik Deutschland 2016</p> <p>[18] TEP Energy GmbH (TEP), University Utrecht ARMINES, 2017, Deliverable 3.1: Profile of heating and cooling demand in 2015: http://www.heatroadmap.eu/output.php Karlsruhe: Fraunhofer Institute for Systems and Innovation Research (ISI)</p> <p>[19] Fraunhofer Institute for Systems and Innovation Research (ISI), Fraunhofer Institute for Solar Energy Systems (ISE), Institute for Resource Efficiency and Energy Strategies GmbH (IREES), Observ'ERTU Wien - Energy Economics Group (EEG), TEP Energy GmbH (TEP), European Commission (EC), 2016, Mapping and analyses of the current and future (2020 - 2030) heating/cooling fuel deployment (fossil/renewables) - Work package 1: Final energy consumption for the year 2012</p> <p>[20] Institute for Global Environmental Strategies, 2006. IPCC Guidelines for National Greenhouse Gas Inventories - Energy - Stationary Combustion</p> <p>[21] Fleiter, Tobias et al.: Mapping and analyses of the current and future (2020 - 2030) heating/cooling fuel deployment (fossil/renewables) - Work package 2: Data Annex 2 Industrial processes for publication</p> <p>[22] European Environment Agency https://www.eea.europa.eu/publications/trends-and-projections-in-europe-2018-climate-and-energy</p> <p>[23] S&P Global, https://www.spglobal.com/platts/en/products-services/electric-power/world-electric-power-plants-database</p> <p>[24] ENTSO-E Transparency Platform, https://transparency.entsoe.eu/</p> <p>[25] European Union, https://eur-lex.europa.eu/legal-content/DE/TXT/PDF/?uri=CELEX:32018R0842</p> <p>[26] Own Calculation, www.ffe.de/xos/laendersteckbriefe/methodik</p>	<ul style="list-style-type: none"> • Austria 2014 Review (International Energy Agency) http://www.iea.org/publications/freepublications/publication/Austria2014.pdf • Report on Climate Protection (Environmental Agency), http://www.umweltbundesamt.at/fileadmin/site/publikationen/REP0660.pdf

Abbreviations	
RES	Renewable Energy Source
EFR	Effort Sharing Regulation
PEC	Primary Energy Consumption
GHG	Greenhouse Gases
ESD	Effort Sharing Decision
EU ETS	European Union Emissions Trading System
EL	Electricity
EU	European Union
TSO	Transmission System Operator