



AUSTRALIA – GERMANY
Energy Partnership



Federal Ministry
for Economic Affairs
and Climate Action

AGENDA



Delegation Trip to Germany –
Exchange between Australia and Germany

**Energy transition -
Power system design and security of electricity supply**

September 05-08, 2022

Organised by:



In cooperation with:





Monday, September 05, 2022
Introduction, meeting with government agencies

Time <i>German time CEST/ UTC +2</i>	Top	Speaker / Venue
08:00 a.m.	<i>Meeting point at hotel reception and walk to meeting venue *</i>	Meeting point for walk to meeting venue: Hotel Motel One Berlin-Hackescher Markt (hotel reception) Dircksenstraße 36 10179 Berlin Phone: 0049 30 20054080 <i>Hotel Motel One – RENAC 1 km, 20 min (by foot)</i>
08:30 a.m.	<i>Registration</i>	Venue: Renewables Academy (RENAC) AG Schönhauser Allee 10-11 10119 Berlin Phone: 0049 30 58 70870 00
09:00 a.m.	Welcome and introduction <ul style="list-style-type: none"> • Welcome & opening remarks • Introduction of week's programme, activities & logistics • Introduction to first day, sessions and speaker 	Ms. Cecilia Strandberg <i>Project Director</i> Renewables Academy (RENAC) AG www.renac.de Ms. Isell Baldauf <i>Manager</i> adelphi www.adelphi.de Mr. Hien Tran <i>First Secretary</i> Australian Embassy in Berlin https://germany.embassy.gov.au/
09:15 a.m.	Welcome and introduction to the international energy policy agenda by the Federal Ministry for Economic Affairs and Climate Action (BMWK) (1) <ul style="list-style-type: none"> • Welcome and introduction to the international energy policy agenda • Australia-Germany Energy Partnership: Background, topics and activities • The German energy transition (Energiewende): background, targets and status 	Mr. Wolfram Wilde <i>Deputy Head of Division "Climate and energy cooperation with industrialized countries, hydrogen initiatives"</i> German Federal Ministry for Economic Affairs and Climate Action (BMWK) www.bmwk.de



The German energy transition with focus on the power sector – climate neutrality 2045 (2)

09:45 a.m.

- The German energy transition in the power sector: background, targets and status
- Expansion and integration of renewable energies, sector coupling and role of storage
- Process of the phase-out of coal and nuclear power
- Markets and grids: Economics and investments in the power system
- Outlook 2045
- Q&A, open discussion

Ms. Beatrix Massig

Deputy Head of Division “Climate and energy cooperation with industrialized countries, hydrogen initiatives”

German Federal Ministry for Economic Affairs and Climate Action (BMWK)
www.bmwk.de

11:00 a.m. *Coffee / tea break **

11:15 a.m.

Input presentation by Australian participant on the “Australian Energy Transition in the Power Sector”

Mr. Paul Johnson

Principal Adviser – Electricity Division

Federal Department of Climate Change, Energy, the Environment and Water
www.dcceew.gov.au

11:30 a.m.

Input presentation by Australian participant on the “Market Design in the National Electricity Market”

Mr. Christiaan Zuur

Director Energy Transformation

Clean Energy Council
www.cleanenergycouncil.org.au

Role of the Regulator (3)

11:45 a.m.

- German energy market governance
- Regulatory framework for more power system flexibility to secure supply of electricity
- Market design for electricity trade
- Auctions design for onshore wind, offshore wind & PV
- Grid congestions, redispatch and expansion
- Grid integration of electrolyzers
- Outlook 2045, next steps
- Q&A, open discussion

Dr. Florian Heesen

Advisor Division Energy Regulation

The Federal Network Agency (BNetzA)
www.bundesnetzagentur.de

01:00 p.m. *Walk to restaurant **

*RENAC – Restaurant
 500 m, 10 min (by foot)*



<p>01:15 p.m. Lunch at restaurant Das Pfeffer *</p>	<p>Restaurant "Das Pfeffer" Haus 14, Schönhauser Allee 176 10119 Berlin Phone: 0049 30 44383-43</p>
<p>02:15 p.m. <i>Walk to RENAC</i> *</p>	<p><i>Restaurant - RENAC</i> 500 m, 10 min (by foot)</p>
<p>02:30 p.m. Input presentation by Australian participant on the "Interaction Federal/state policy and Coal Exit"</p>	<p>Mr. Ben Skinner <i>General Manager Policy & Research</i> Australian Energy Council www.energycouncil.com.au</p>
<p>02:45 p.m. Input presentation by Australian participant on the "Role of distributed energy resources (DER)"</p>	<p>Mr. Steve Blume <i>President (Board Chair)</i> Smart Energy Council https://smartenergy.org.au/</p>
<p>A deep dive into the EU aspects of the German power sector (5)</p> <ul style="list-style-type: none"> • EU power system infrastructure • Roles of EU and Member States • Outline of EU energy policy goals and means • Unbundling, governance • Power mix / energy transition at EU/German level • Public opinion on climate and energy EU/German wide <p>03:00 p.m. On the way to climate neutrality – Challenges and opportunities of the coal exit in Germany</p> <ul style="list-style-type: none"> • Hard coal phase-out in Western Germany: Process & Lessons-learned • The German Coal Commission: composition and mandate, results and implications • Just transition: Social implications in affected regions & elements of successful structural policy • Outlook 	<p>Mr. Felix Matthes <i>Research Coordinator Energy & Climate Policy at Öko-Institut (Institute for Applied Ecology)</i> Öko-Institut www.oeko.de</p>
<p>04:00 p.m. Open discussion: Comparison Australia / Germany</p>	<p>All participants</p>



04:30 p.m. **Presentation of delegation trip agenda for the week**

Ms. Cecilia Strandberg
Project Director
Renewables Academy
(RENAC) AG
www.renac.de

05:00 p.m. *Walk/Transfer to hotel **

*RENAC – Hotel Motel One
1 km, 15 min (by foot)*

05:30 p.m. *Free time*

07:00 p.m. **Welcome Dinner at restaurant “Ganymed Brasserie” ***

Restaurant “Ganymed Brasserie”
Schiffbauerdamm 5
10117 Berlin
Phone: 0049 30 28599046

End of day 1



Tuesday, September 06, 2022

Meeting with TSO, DSO and utility

Time <i>German time CEST/ UTC +2</i>	Top	Speaker / Venue
08:15 a.m.	<i>Meeting point at hotel reception and transfer to meeting venue/ site visit *</i>	<p>Meeting point for transfer to meeting venue:</p> <p>Hotel Motel One Berlin-Hackescher Markt (hotel reception) Dirksenstraße 36 10179 Berlin Phone: 0049 30 20054080</p> <p><i>Hotel Motel One – 50Hertz 6 km, 25 min (by public transport)</i></p>
<p>Meeting with Transmission System Operator (TSO) (6)</p>		
09:00 a.m.	<ul style="list-style-type: none"> Visit of the reserve control center of 50Hertz <p>Meeting and discussion with 50Hertz about:</p> <ul style="list-style-type: none"> Role and responsibilities of the TSO in the framework of the German Energiewende Lessons learnt from the perspective of a TSO: <ul style="list-style-type: none"> Grid operation with large amount of weather dependent wind and PV Coordination of TSOs with DSOs Power system security Economics and management: <ul style="list-style-type: none"> Grid infrastructure and grid extension Re-dispatch strategies and congestion management Grid fees and development Outlook Q&A, open discussion 	<p>Venue:</p> <p>50Hertz Transmission GmbH Heidestraße 2 10557 Berlin</p> <p>Meeting and discussion with:</p> <p>Dr. Dirk Biermann <i>Managing Director</i></p> <p>Mr. Willi Kiewitt <i>Head of Energy Economics</i></p> <p>Mr. Henrik Hail <i>Head of Risk Management and Planning, Energy Economics</i></p> <p>50Hertz Transmission GmbH www.50hertz.com</p>
11:30 a.m.	<i>Transfer to restaurant *</i>	<i>50Hertz - Restaurant 6,5 km, 30 min (by public transport)</i>
12:00 p.m.	Lunch at restaurant at restaurant Masel Topf *	<p>Restaurant “Masel Topf” Rykestr. 2 10405 Berlin Phone: 0049 30 443 17 525</p>
01:30 p.m.	<i>Walk to RENAC *</i>	<i>Restaurant – RENAC 850 m, 15 min (by foot)</i>



02:00 p.m.	Meeting with Distribution Grid Operator (DSO) (7)	<ul style="list-style-type: none"> • DSOs as system managers of the energy transition: “New” role and business models for DSOs in the Energiewende (sector coupling e.g. heat, cooling and E-mobility, H2) • Economics: Grid infrastructure and grid extension, grid fees and development • Digitization – Investments and cyber security • Outlook • Q&A, open discussion 	<p>Venue:</p> <p>Renewables Academy (RENAC) AG Schönhauser Allee 10-11 10119 Berlin Phone: 0049 30 58 70870 00</p>
		<p>Meeting and discussion with:</p> <p>Mr. Falk Engelmann <i>Deputy Head of Department at VKU</i></p> <p>German Association of Local Utilities (VKU) www.vku.de</p>	
03:00 p.m.	Meeting with utility EnBW (8)	<ul style="list-style-type: none"> • Success story or stranded investment? How to be economically successful in the energy transition: A look at the utility business model • Process and challenges of the coal exit • Q&A, open discussion 	<p>Meeting and discussion with:</p> <p>Dr. Jörg Jasper <i>Group Expert Energy Economics & Policy & Head, Energy Economics and Policy</i></p> <p>EnBW www.enbw.com</p>
04:00 p.m.	<i>Walk/Transfer to hotel *</i>		<i>RENAC – Hotel Motel One 1 km, 15 min (by foot)</i>
05:30 p.m.	Optional: Guided Berlin city tour on foot (~2,5 hrs) *		<p>Meeting point:</p> <p>Hotel Motel One Berlin – Hackescher Markt (hotel reception)</p> <p><i>Dircksenstraße 36 10179 Berlin Phone: 0049 30 20054080</i></p> <p>Guide: Thomas Schmidt</p>
open	Dinner, to be borne by participants (\$)		

End of day 2



Wednesday, September 07, 2022

Site visit to EUREF Campus and meeting with association

Time <i>German time CEST/ UTC +2</i>	Top	Speaker / Venue
09:00 a.m.	<i>Meeting point at hotel reception and transfer to meeting venue/ site visit *</i>	<p>Meeting point for transfer to meeting venue:</p> <p>Hotel Motel One Berlin-Hackescher Markt (hotel reception) Dircksenstraße 36 10179 Berlin Phone: 0049 30 20054080</p> <p><i>Hotel Motel One – EUREF 5 km, 20 min (by taxi)</i></p>
10:00 a.m.	<p>Meeting with RE association BEE (9)</p> <ul style="list-style-type: none"> • Study: New power market design to reach the government's share of 80 percent renewables in the electricity system by 2030 & to ensure a secure supply and targeted build-up of renewables and flexible power providers • From citizen wind farms and grassroots movement to large investments - how did the role of the renewable energy sector change? • Q&A, open discussion 	<p>Meeting and discussion with:</p> <p>Dr. Matthias Stark <i>Head of Department Renewable Energy Systems</i></p> <p>German Renewable Energy Federation (BEE)</p> <p>www.bee-ev.de/english</p>
12:00 p.m.	<i>Walk to restaurant *</i>	<i>Meeting venue – Restaurant 200 m – 2 min (by foot)</i>
12:15 p.m.	Lunch at restaurant Schmiede am Gasometer (EUREF) *	<p>Restaurant „Schmiede am Gasometer (EUREF)“ Torgauer Str. 12 10829 Berlin Phone: 0049 30 788 90 782</p>
01:45 p.m.	<i>Walk to meeting venue *</i>	<i>Restaurant - Meeting venue 200 m – 2 min (by foot)</i>



Site visit: EUREF Campus (10)

02:00 p.m.

Since acquiring the property in 2008, EUREF AG has been developing the city district around the "Gasometer" (Gasholder) into a real-life laboratory for the shift to renewable energy. With an innovative community comprising business and science, a climate-neutral energy supply, an intelligent energy grid, energy-efficient buildings, a testing platform for future mobility and numerous research projects, daily proof is provided that the shift to renewable energy is doable and financially feasible. EUREF-Campus has been meeting the CO2 climate targets set by the Federal Government of Germany for the year 2045 since 2014.

- Site visit of EUREF Campus including:
- Guided overview tour of EUREF Campus
- Visit of the Energy Workshop by GASAG Solution Plus
- Q&A

EUREF Campus

EUREF-Campus 1-25
10829 Berlin

<https://euref.de/en/>

Guided tour by:

Ralf Wollheim

Guide

Meeting and discussion with further experts

04:00 p.m. Transfer to hotel *

EUREF – Hotel Motel One
5 km, 20 min (by taxi)

open Dinner, to be borne by participants (\$)

End of day 3



Thursday, September 08, 2022

Site visit and meeting with storage association and start-up

Time <i>German time CEST/ UTC +2</i>	Top	Speaker / Venue
08:00 a.m.	<i>Meeting point at hotel reception and walk to meeting venue</i>	Meeting point for walk to meeting venue: Hotel Motel One Berlin-Hackescher Markt (hotel reception) Dircksenstr�a�e 36 10179 Berlin Phone: 0049 30 20054080 <i>Hotel Motel One – RENAC 1 km, 15 min (by foot)</i>
08:30 a.m.	<i>Registration at meeting venue</i>	Venue: Renewables Academy (RENAC) AG Sch�onhauser Allee 10-11 10119 Berlin Phone: 0049 30 58 70870 00
09:00 a.m.	Meeting with Storage Association (11) <ul style="list-style-type: none"> • Energy storage in the context of the Energiewende • Development of investment & operational costs of battery storage • Regulatory hurdles • Business models for energy storage • Q&A, open discussion 	Meeting and discussion with: Mr. Urban Windelen <i>Executive Director</i> Energy Storage System Association (BVES) www.bves.de
10:30 a.m.	<i>Coffee / tea break *</i>	
11:00 a.m.	Workshop session <ul style="list-style-type: none"> • Time for AUS delegates to prepare/finalize group presentations for session 12 	All AUS participants
12:30 p.m.	<i>Walk to restaurant *</i>	<i>RENAC – Restaurant 500 m, 10 min (by foot)</i>
12:45 p.m.	Lunch at restaurant Petite Ella *	Restaurant "Petite Ella" Saarbr�ucker Stra�e 36 2. Hinterhof 10405 Berlin Phone: 0049 1632886292
01:45 p.m.	<i>Walk to RENAC *</i>	<i>Restaurant - RENAC 500 m, 10 min (by foot)</i>



02:00 p.m.	Group presentations by AUS participants (12) <ul style="list-style-type: none">• Participants' presentations on lessons learned from meetings & site visits (3 groups, 3 presentations; 10 minutes presentation time per group; 3-4 slides)• Q&A	All AUS participants <i>Moderated by:</i> Renewables Academy (RENAC) AG www.renac.de
03:00 p.m.	Concluding Session <ul style="list-style-type: none">• Concluding remarks• Next steps and potential future collaborations• Feedback round• Evaluation of expert delegation trip• Closing of expert delegation trip	All participants <i>Moderated by:</i> Ms. Cecilia Strandberg <i>Project Director</i> Renewables Academy (RENAC) AG www.renac.de
04:00 p.m.	End of the official delegation trip programme	

End of day 4 and expert delegation trip

Foot note:

* *Arranged and costs covered by programme organiser*

(\$) Costs to be borne by participant

Please note:

The programme organiser may change the content and schedule of the agenda on short notice according to availability of the proposed organisations, their speakers and site visits as well as the current development of the COVID-19 pandemic.



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