



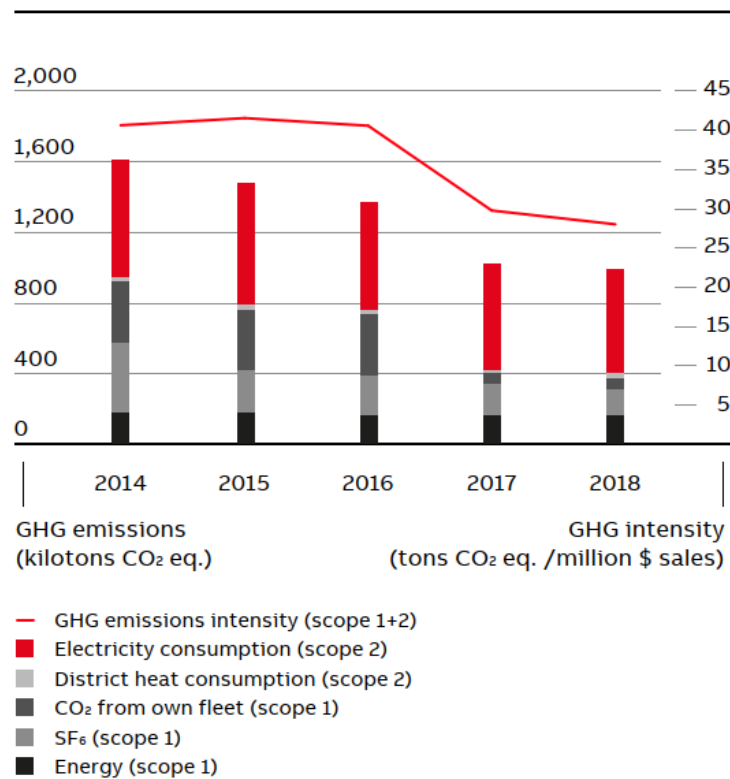
Public Consultation re DPPA Design and Pilot Planning for Vietnam

Brian Hull, Country Managing Director, ABB Ltd, Vietnam 12 June 2019

ABB Group - Corporate Sustainability report 2018

Current targets set in 2013 to be achieved by 2020

Total greenhouse gas (GHG) emissions (Scope 1 and 2) and GHG intensity



Pioneering technology

Objective	Measure	2020 Target	2018 Performance	Page
Products, solutions and services	Increase share of ABB eco-efficiency portfolio	60% of revenue	57% →	16



Responsible operations

Objective	Measure	2020 Target	2018 Performance	Page
Safe operations	Reduce employee total injury frequency rate	<0.7	0.58 ✓	23
Climate action	Reduce greenhouse gas emissions (GHG)	by 40% (vs 2013)	36% →	25
Resource efficiency	Reduce water consumption in water-stressed areas	by 25% (vs 2013)	12% ↻	27
	Reduce waste sent for disposal	by 20% (vs 2013)	18% →	27
Right materials	Reduce emissions from VOCs	by 25% (vs 2013)	27% ✓	29
Responsible sourcing	Closure of identified risks from supplier assessments	>65%	76% ✓	31



Responsible relationships

Objective	Measure	2020 Target	2018 Performance	Page
Integrity	Employees trained on integrity	>96%	98% ✓	34
Human rights	Training for specific job roles exposed to human rights risks	2 campaigns per year	2 ✓	36
Our people	Increase women in senior management	by 30% (vs 2017)	10.5% ↻	38
	Employees covered by the ABB well-being program	>70%	67% →	38

Some examples across ABB Group

1 In several European countries we purchase **all our electricity from renewable sources**. In 2018, 237 GWh, or 15.1%, of all electricity used by ABB, was purchased as certified green energy, an increase of 4.5% over 2017. More of our facilities are also installing on site photovoltaic cells; ABB's production of solar power for its own use nearly doubled in 2018.

ABB presents state of the art solution for CO₂-neutral and energy self-sufficient factory of the future at its site in Lüdenscheid



ABB's pilot scale solar rooftop at Bac Ninh, 98 kWp

Operational July 2018, using ABB Ability to monitor performance



Next steps for ABB:

1 ABB has already announced that its post 2020 targets will be based on **Science Based Targets** approach

2 All of ABB's organizational units are obliged to assess their respective opportunities to cut emissions and energy consumption.

3 For ABB Vietnam, we will continue to seek opportunities to reduce the demand side by use of smart technologies including ABB Ability to monitor usage, install energy efficient drives and motors, increase use of LED lighting, etc

4 We will start to move to Electrical Vehicles to further reduce GHG emissions



ABB in Vietnam

Feedback on DPPA

1 Need access to secure, reliable supply and ability to access 'Green' source

2 Need regulatory certainty if we are to enter into a long term contract

3 We operate in a competitive environment exporting to 60 countries from Vietnam, and are hoping the provision of DPPA will help allow ABB to retain and expand our manufacturing base in Vietnam

4 Sleeved versus Synthetic models for DPPA

In general, ABB want a vibrant market in DPPA with access to a range of financial and operational models, to allow us to choose what best suits our business needs.



ABB