

VERIFICATION STATEMENT OF GREENHOUSE GAS ASSERTIONS

Statement No.:
00029-2018-AG-TWN

Issued date:
25 July, 2018

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This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2017) of
CHUNGHWA PICTURE TUBES LTD.

Scope of Verification

DNV GL Business Assurance (DNV GL) has been commissioned by CHUNGHWA PICTURE TUBES LTD. to perform a verification of the greenhouse gas assertion of Greenhouse Gas Inventory Management Report (2017) (hereafter the "Inventory Report") with respect to the following area:

Taoyuan: No.1127, Heping Rd., Bade Dist., Taoyuan City, Taiwan, R.O.C.
Lungtan: No.1, Huaying Rd., Longtan Dist., Taoyuan City, Taiwan, R.O.C.
Yangmei: No.80, Xingshan Rd., Yangmei Dist., Taoyuan City, Taiwan, R.O.C.
Wujiang (CPTW) :No. 88 Jiang Xing East RD., Wujiang Economic Technology Development Zone,jiangsu Province,China, P.R.C.
Fujian (FDT) : No. 6 Rujiang West Road,Mawei Hi-tech Development Zone, Fuzhou,China, P.R.C.
CPTF : No. 1 Xing Ye Road Mawei Hi-tech Development Zone, Fuzhou,China, P.R.C.
FVD : No. 1 Xing Ye Road Mawei Hi-tech Development Zone, Fuzhou,China, P.R.C./ No. 6 Rujiang West Road,Mawei Hi-tech Development Zone, Fuzhou,China, P.R.C.
CTOC : Shangzheng,Yuanhong Road,Fuqing City, Fujian Province,China, P.R.C.
KMTC :No. 12 Rujiang West Road,Economic and Technological Development Zone Fuzhou, Fujian, PRC

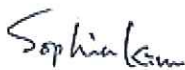
Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2006 and CNS 14064-1:2006 as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting. The verification was conducted in accordance with ISO 14064-3:2006.

Verification Statement

It is DNV GL's opinion that with reasonable assurance the greenhouse gas assertion of the Inventory Report of July 13, 2018 is free from material discrepancies in accordance with ISO 14064-1:2006 and CNS 14064-1:2006.

Sophia Kim
GHG Verifier



Place and date:
Taipei, 25 July, 2018



For the issuing office:
DNV GL Business Assurance Co., Ltd.
29Fl., No. 293, Sec. 2, Wenhua Rd.,
Banqiao District, New Taipei City 220,
Taiwan



Management Representative

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Supplement to Statement

Process and Methodology

The reviews of the Inventory Report and the subsequent follow-up interviews have provided DNV GL with sufficient evidence to determine the fulfilment of stated criteria. The Inventory Report correctly complies with the requirement of ISO 14064-1:2006 and CNS 14064-1:2006.

Quantification of Greenhouse Gas Emission

The Inventory Report covering the period 1st January, 2017 to 31st December, 2017, it is DNV GL's opinion that the Inventory Report results in quantification of GHG emissions that are real, transparent and measurable.

Organizational Boundary of Verification

Financial Management Control Operational Management Control Equity Share

GHGs Verified

CO₂ CH₄ N₂O HFCs PFCs SF₆ NF₃

Total Direct Emissions: 288,157.7443 Tonnes CO₂-e

Total Energy Indirect Emissions: 500,740.8269 Tonnes CO₂-e

The Indirect Emissions was calculated based on 2017 electricity emission factor of 0.554 kg CO₂-e/kwh, which was announced on 4th July, 2018 by Bureau of Energy, Ministry of Economic Affairs. The Global Warming Potential (GWP) defined in IPCC AR4 (2007) has been chosen and correctly referred by the Organization.

Verification Opinion

Verified without Qualification
 Unable to Verify