

# 2018 年度企业社会责任报告

## 2018 report of corporate social responsibility

(2018 年 12 月 28 日管理层会议审议通过)

(Deliberations and adoption of the December 28 Management Conference)

厦门盈发实业有限公司（以下简称“公司”）成立于1999年10月，座落于厦门市翔安区翔安北路3988号，公司专业从事钣金、五金件的加工，可应顾客要求，提供产品样品或图面开模和加工。为电子、电器、家用及其他行业提供优质的产品与服务。为落实科学发展观，构建和谐和谐社会，积极承担社会责任，规范公司社会行为，自觉接受社会监督，形成自我约束、自我发展的机制，现发布公司2018年度社会责任报告如下：

Xiamen Surplus Enterprises Co., Ltd. (hereinafter referred to as "company") was established in October 1999, located in No.3988,Xiang'an Road North,Xiamen .The company specializes in the processing of sheet metal and hardware. It can provide product samples or drawings and provide assembly processing according to customer requirements. For the electronics, electrical appliances, household and other industries to provide quality products and services. In order to implement the Scientific Outlook on Development, build a harmonious society, actively undertake social responsibility, standardize the social behavior of the company, consciously accept the social supervision, and form the mechanism of self-restraint and self development. The report of the 2018 annual social responsibility of the company is as follows:

公司秉持“保护环境、遵纪守法、污染预防、节能降耗、持续改进”为宗旨，把履行社会责任全面融入公司发展战略、生产经营和企业文化，作为落实科学发展观，建设和谐社会的自觉行动。公司在关注自身经济利益的同时，充分关注包括国家和社会、环境、职工、债权人、顾客、消费者、及社区在内的利益相关者的共同利益，促进社会经济的可持续发展。

The company adheres to the tenet of "protecting the environment, compliance with law, pollution prevention, energy saving and reducing consumption, continuous improvement", and integrates the fulfilling social responsibility into the company's development strategy, production and business and enterprise culture as a conscious action to implement Scientific

Outlook on Development and build a harmonious society. While paying attention to its own economic interests, the company pays full attention to the common interests of the stakeholders including the state and society, the environment, the workers, the creditors, the customers, the consumers, and the community, so as to promote the sustainable development of the society and the economy.

### 一、公司2018年度社会责任指标情况

#### Corporate social responsibility indicators for the year 2018

利益相关者 Stakeholder	关注点 Concern	关键业绩指标 Key performance indicators
1、国家和社会 State and Society	财政收入 government receipts	当年上缴税费总额529.28万元 The total amount of taxes and fees paid in the year was 5 million and 292 thousand and 800 yuan
	劳动就业 Labor employment	在职职工人数为300 The number of workers in service is 300
	地方经济带动 Local economic drive	带动地方模具产业集群发展 Promoting the development of local mold industry cluster
	先进制造业发展 Development of advanced manufacturing industry	公司拥有一支优秀的技术人员团队和具多年丰富经验的操作人员，技术过硬、设备先进。有冲压生产、冷冲模具的开发和与生产、钣金加工、播种机组装加工设备及相关辅助设备；自公司成立以来，经过公司全体同仁的共同努力，在技术力量、生产加工设备、检验设备等软硬件方面均已上了一个崭新的台阶。 The company has a team of excellent technicians and experienced operators with excellent skills and advanced equipment. There are stamping, stamping die development and production, panel beating, Spread assemble and related ancillary equipment; measuring equipment to meet

利益相关者 Stakeholder	关注点 Concern	关键业绩指标 Key performance indicators
		the quality of the product has always been regarded as the life and quality of the enterprise first. After the joint efforts of all the colleagues of the company, a new step has been made in the technical force, the production and processing equipment, The inspection equipment and other soft and hardware.
2、债权人 Creditor	偿债能力 debt paying ability	资产负债率为0.77%，流动比率为1.08，速动比例为0.69 The asset liability ratio is 0.77%, the current ratio is 1.08, and the quick ratio is 0.69
	债务偿还 Debt repayment	到期债务偿还率为100%，违约债务为0 The repayment rate of the maturity debt is 100% and the default debt is 0
3、职工 Workers	劳动法规 Labor laws and regulations	严格按照国家及地方相关法律法规执行 Strictly follow the relevant national and local laws and regulations
	劳动合同 labor contract	签订率100%、及时续签率100% The signing rate is 100% and the timely renewal rate is 100%
	安全生产 safety production	杜绝了重大事故和人身伤亡事故 Prevent major accidents and personal injuries
	职业病发病率 Incidence of occupational disease	无 nothing
	劳动报酬 Labor remuneration	职工工资总额为 1594.97万元，工资增长 5% The total wage of the workers was 15 million 949 thousand and 700 yuan, and the wage increased by 5%
	保险 Insurance	职工各类保险费用为 97.39万元 The insurance costs of all workers are 973 thousand and 900 yuan
	培训教育	职工培训教育的经费为 45000元

厦门盈发实业有限公司  
Xiamen Surplus Enterprises Co.,Ltd.

利益相关者 Stakeholder	关注点 Concern	关键业绩指标 Key performance indicators
	training and education	The funds for staff training and education are 45000 yuan
	劳动争议案件 labor controversy	无 nothing
4、供应商 Supplier	管理制度 management system	分供方评定制度、招投标制度 Sub supplier evaluation system and bidding system
	供应商关系 Supplier relationship	合作共赢、稳定供需、共降成本 Win-win cooperation, stable supply and demand, cost reduction
	货款支付 Payment for payment of goods	无拖欠 <b>No arrears</b>
	供应商起诉 Supplier prosecution	无 Nothing
	商业贿赂和腐败案件 Commercial bribery and corruption cases	无 Nothing
	5、顾客 customer	质量保证体系 Quality assurance system
营销政策 Marketing policy		以顾客为关注焦点，与顾客合作共赢，实行全程信用管理，持续改进产品质量和服务水平 Focus on customers, cooperate with customers and win win, implement full credit management, and continuously improve product quality and service level.
顾客满意度 customer		99.6%

利益相关者 Stakeholder	关注点 Concern	关键业绩指标 Key performance indicators
	satisfaction	
	商业贿赂和腐败案件 Commercial bribery and corruption cases	无 Nothing
	顾客投诉 Customer complaint	无 Nothing
	产品质量查处 Product quality investigation	无 Nothing
	产品质量赔偿 Product quality compensation	无 Nothing
<b>6、环境保护 和节能减排 Environmental protection and energy saving and emission reduction</b>	公司政策 Company policy	保护环境、遵纪守法、污染预防、节能降耗、持续改进 Environmental protection, observe law and discipline, pollution prevention, energy conservation and consumption reduction, and continuous improvement.
	环境管理体系 Environmental management system	通过第三方复审 Retrial by third parties
	环境污染事故 Environmental pollution accident	无 Nothing
	“三废”排放 "Three wastes" discharge	通过第三方环境监测，符合有关要求 Through the third party environment monitoring, meet the relevant requirements
	水、电资源节约	公司通过设备升级，工艺改进提升等达到节约水、电等能源的目的

利益相关者 Stakeholder	关注点 Concern	关键业绩指标 Key performance indicators
	Water and electricity resource conservation	The company aims to save water, electricity and other energy by upgrading equipment and upgrading technology.
7、社区 Community	公司政策 Company policy	与社区和谐相处，积极维护社区安全与稳定。加强职工职业道德教育、社会公德、家庭美德教育，加强不稳定因素排查，确保一方平安。 Live in harmony with the community and actively safeguard community security and stability. We should strengthen the education of workers' professional ethics, education of social morality and family virtues, and strengthen the investigation of unstable factors to ensure that one side is safe.
	社区稳定 Community stability	未发生职工违法刑事案件，未发生职工及其家属集体到政府上访事件 No criminal cases involving staff and workers were committed, and no employees and their families collectively visited the government.

## 二、公司促进国家和社会的全面发展情况The company promotes the overall development of the country and society

公司的使命是创造财富、服务社会，以追求经济效益、社会效益和代表先进制造业为目标。在谋求公司价值和股东财富的过程中，积极回报社会，促进国家和社会发展。2018年，公司超额完成经营目标任务，以良好的业绩回报股东和社会。

The mission of the company is to create wealth and serve the society, with the aim of pursuing economic and social benefits and representing the advanced manufacturing industry. In seeking the value of the company and the wealth of shareholders, we should actively repay the society and promote the development of the country and society. In 2018, the company over fulfilled its business objectives and tasks, and rewarded shareholders and society with good results.

- 1、 上缴税费总额529.28万元，为国家和地方经济建设做出了积极贡献。

The total amount of tax paid is 5 million 292 thousand and 800 yuan, which has made positive contributions to the national and local economic construction.

- 2、 稳健经营、发展，为社会解决了大量的劳动力就业问题。截止2018年底，公司在职工人数为300

Steady operation and development have solved a large number of employment problems for the society. By the end of 2018, the number of employees in the company was 300.

- 3、 作为地区有影响的先进制造企业，本公司2018年的良好发展，有力带动当地产业集群发展。

As a regional advanced manufacturing enterprise, the good development of our company in 2018 has strongly promoted the development of local industrial clusters.

- 4、 公司拥有一支优秀的技术人员团队和具多年丰富经验的操作人员，技术过硬、设备先进。有冲压生产、冷冲模具的开发和与生产、钣金加工、播种机组装及相关辅助设备；在技术力量、生产加工设备、检验设备等软硬件方面均已上了一个崭新的台阶。通过优良的产品品质及良好的配合度，赢得了广大顾客的一致好评。

The company has a team of excellent technicians and experienced operators with excellent skills and advanced equipment. There are stamping, stamping die development and production, panel beating, Spread assemble and related ancillary equipment; measuring equipment to meet the quality of the product has always been regarded as the life and quality of the enterprise first. After the joint efforts of all the colleagues of the company, a new step has been made in the technical force, the production and processing equipment, the inspection equipment and other soft and hardware.

### 三、公司对债权人权益保护情况

Protection of the creditor's rights and interests by the company

公司奉行稳健、持续的经营理念，严格控制经营风险，保护债权人的长远利益。公司在经营决策过程中，充分考虑债权人的合法权益，及时向债权人通报与其债权权益相关的重大信息，严格按照与债权人签订的合同履行债务，及时通报与其相关的重大信息，保障债权人的合法权益。

The company pursues a sound and sustainable business philosophy, strictly controls operational risks and protects the long-term interests of creditors. In the process of decision-making, the company fully considers the legitimate rights and interests of the creditor, promptly notified the creditor with the important information related to the rights and interests of the creditor, strictly according to the contract signed with the creditor, and promptly notified the important information related to it, and guaranteed the creditor's legal rights and interests

2018年末，公司资产负债率为77%，流动比率为1.08、速动比例为0.69，确保公司债务清偿能力。2018年，公司到期债务偿还率为100%，违约债务为0。

At the end of 2018 the company's assets and liabilities ratio was 77%, the mobile ratio was 1.08, and the quick ratio was 0.69, which ensured the solvency of the company. In 2018 the debt repayment rate of the company was 100%, and the default debt was 0

#### 四、公司对职工权益保护情况

##### **The protection of the rights and interests of the staff and workers**

公司严格遵守《中华人民共和国劳动法》、《中华人民共和国劳动合同法》等劳动和社会保障方面的法律、法规和规章，依法保护职工的合法权益，建立和完善包括薪酬体系、激励机制等在内的用人制度，保障职工依法享有劳动权利和履行劳动义务。公司建立质量和环境管理体系并有效运行，提高装置设备安全，不断改善职工作业环境，持续提高职工安全生产技能，定期对职工体检，防范安全事故和职业病发生。公司坚持按劳分配，建立工资正常增长机制，对特殊环境（夜班、高温、低压、可能产生有毒有害的环境）下工作的职工给予特殊津贴和休养。公司职工享有国家法律、法规和公司制度规定的休息日、节假日、带薪年假和其他各类假期，

以及职工加班和假期工资待遇。公司建立健全职工社会保险制度、补充保险制度，依法为职工缴纳保险费用。公司高度重视培训工作，积极组织开展多种形式的岗位培训、技能培训、管理培训等，并鼓励和奖励职工自我学习，帮助职工制定职业规划，鼓励职工承担有挑战性的工作，着力打造“创新型”的企业。

The company strictly abide by the laws, regulations and rules of labor and social security in the labor law of the People's Republic of China and the labor contract law of People's Republic of China, protect the legitimate rights and interests of the workers and workers according to law, establish and perfect the employment system including the salary system, incentive mechanism and so on, so as to protect the workers and workers in accordance with the law. Exercise rights and fulfil labor obligations. The company establishes the quality and environmental management system and operates effectively, improves the safety of equipment and equipment, constantly improves the working environment of workers and workers, continuously improves the safety production skills of workers and workers, regularly checks the staff and workers, and prevents accidents and occupational diseases. The company persists in distribution according to work, establishes a normal wage growth mechanism, and gives special allowances and recuperation to workers and workers working under special circumstances (night shift, high temperature, low pressure, and potentially toxic and harmful environment). The employees of the company enjoy the rest days, holidays, paid annual vacations and other kinds of holidays, as well as workers' overtime and holiday wages, as stipulated in the state laws, regulations and the company system. The company establishes and improves the workers' social insurance system and supplementary insurance system, and pays insurance premiums for employees in accordance with the law. The company attaches great importance to the training work, actively organize various forms of post training, skill training, management training, and encourage and reward employees to learn themselves, help workers to make career plans, encourage workers to undertake challenging work, and make efforts to create "innovative" enterprises.

2018年，公司质量、环境体系高质量运行。公司职工劳动合同签订率达100%、及时续

签率 100%；公司杜绝了重大安全事故和人身伤亡事故，职业病发病率为 0；职工工资总额为 1594.97万元，工资增长 5%；职工各类保险费用为97.39 万元；职工培训教育的经费为 45000元；劳动争议案件为 0 。

In 2018, the company's quality and environmental system was running at high quality. The rate of signing the labor contract of the company is 100% and the rate of renewal is 100% in time; the company has eliminated major accidents and personal injuries and casualties, the incidence of occupational diseases is 0; the total wage of workers and workers is 15 million 949 thousand and 700 yuan, the wage increase is 5%; the staff and workers'various kinds of insurance costs are 973 thousand and 900 yuan; the funds for staff training and education are 45000 yuan; the labor dispute case are 0.

#### **五、公司对供应商权益的保护情况The company's protection of the rights and interests of suppliers**

公司实行对相关方评定制度，公平对待供应商。本着合作共赢原则，与供应商建立稳定的供需关系，共同降低成本。公司严格履行供应合同支付供应商货款，保证供应商的合法权益。公司因为建立了稳定的原材料供应渠道，确保了生产的顺利开展。

The company carries out the evaluation system for relevant parties and treats suppliers fairly. In line with the principle of win-win cooperation, we must establish stable supply and demand relationship with suppliers and jointly reduce costs. The company strictly fulfil the supply contract to paythe supplier's money and guarantee the legitimate rights and interests of the supplier. The company has established a stable supply channel for raw materials to ensure the smooth development of production.

公司对相关方的环境行为施加影响，使其了解本公司的环境方针等环境事宜，促使其自觉保护环境，改进其环境行为。向重点施加影响的供方和承包方提供本公司的环境方针和有关制度及规定要求。与所有可能施加环境影响的相关方，签订《相关方环境行为协议书》。并使用《供方环境调查表》向供方调查其环境管理状况，对调查结果差的相关方应尽可能要求其改善环境表现，积极推进环境保护活动的开展。

The company exerts an influence on the environmental behavior of the relevant parties to make it understand the environmental policy of the company and other environmental matters, so that it can protect the environment consciously and improve its environmental behavior. The supplier and contractor shall provide the environmental policy and relevant systems and requirements of the company to the suppliers with important influence. Sign relevant parties' agreement on environmental behavior with all parties involved in environmental impact. The supplier should also use the supplier's environmental questionnaire to investigate the situation of the environmental management to the supplier, and the relevant parties of the poor results should ask them to improve the environmental performance as far as possible and actively promote the development of environmental protection activities.

2018年，公司无拖欠供应商货款而被供应商起诉之情况，商业贿赂案件和腐败案件为0。

In 2018, the company was prosecuted by suppliers without delinquent payments from suppliers, and commercial bribery cases and corruption cases were 0.

## 六、公司对顾客保护情况The company's customer protection

公司建立质量和环境体系管理体系，坚持以顾客为关注焦点，坚持与顾客合作共赢，持续改进产品质量和服务水平。公司每年定期对顾客进行满意度调查。

The company establishes the quality and environmental system management system, insisting on the focus of customers, insisting on cooperation and cooperation with customers, continuously improving the quality of products and service level. The company conducts regular customer satisfaction surveys every year.

2018年底，公司顾客满意率99.6%，商业贿赂案件和腐败案件为0，顾客投诉为0，有关部门质量查处为0，产品质量赔偿为0；公司质量、环境管理体系通过第三方的复审认证。

At the end of 2018, the company's customer satisfaction rate was 99.6%, the commercial bribery cases and corruption cases were 0, the customer complaints were 0, the relevant departments' quality investigation was 0, the product quality compensation was 0, the company quality and Environmental management system passed the review certification of third parties.

### 七、公司环境保护和节能减排情况 **Environmental protection and energy saving and emission reduction of the company**

公司坚持贯彻科学发展观，坚定不移地走新型工业化道路，坚持“保护环境、遵纪守法、污染预防、节能降耗、持续改进”的环境方针，确保质量管理体系、环境管理体系有效运行，加强技术创新，推行清洁生产，积极采用新设备、新工艺、新技术、新材料，推进以节能减排和环保技术进步为主要目标的设备更新和技术改造，以尽可能少的资源消耗和环境占用获得最大的经济效益和社会效益。

The company adheres to the implementation of Scientific Outlook on Development, unswervingly take the new road of industrialization, adheres to the environmental policy of "protecting the environment, compliance with the law, pollution prevention, energy saving and consumption reduction, continuous improvement", ensuring the effective operation of the quality management system and the environmental management system, strengthening the innovation of technology, promoting clean production and actively adopting new Equipment, new technology, new technology, new materials, to promote energy saving and environmental protection technology progress as the main target of equipment renewal and technical transformation, as little as possible resources consumption and environmental occupation to obtain the maximum economic and social benefits.

公司通过对生产和生活固体废弃物的管理和控制，确保公司所产生的废弃物不污染环境，并达到法律法规及当地环保部门的要求。

Through the management and control of the solid waste in production and living, the company ensures that the waste produced by the company does not pollute the environment

and meets the requirements of the laws and regulations and the local environmental protection department.

公司通过对生产和生活排放废气的管理和控制，确定所排放的废气达到法律法规及当地环保部门的要求，减轻或消除大气环境污染，并确保符合相关排放标准。

Through the management and control of the exhaust emissions from production and living, the company determines that the exhaust emissions will meet the requirements of the laws and regulations and the local environmental protection departments, reduce or eliminate the pollution of the atmosphere, and ensure the compliance with the relevant emission standards.

公司通过对生产和生活排放水的管理和控制，确保所排放的废水达到法律法规及当地环保部门的要求，减轻或消除水体环境污染，并确保符合相关排放标准。并制定文件，对公司废水、废液之储存、处理、监测、排放等活动的管理和控制。

Through the management and control of the production and living discharge of water, the company ensures the discharge of the effluent to meet the requirements of the laws and regulations and the local environmental protection departments, reduce or eliminate the pollution of the water environment, and ensure the compliance with the relevant emission standards. And make a document for the management and control of the company's waste water, waste liquid storage, processing, monitoring, emissions and other activities.

2018年，公司“三废”排放符合有关要求，未发生环境污染事故。

In 2018, the company's "three wastes" emissions met the relevant requirements, and no environmental pollution accidents occurred.

## 八、公司能源节约 **Energy conservation of the company**

公司通过工艺技术改进、设备升级、职工节约意识培训等方式，达到节约能源的目的。2018年度总的水电消耗支出与营业总额占比，相对于2017年度下降0.14%（详见下表）。能源利用率有所提升，职工节约意识得到进一步加强。

The company achieves energy saving through technological improvement, upgrading of equipment and training of employees' saving consciousness. The total consumption of water and electricity in 2018 accounted for 0.14% of total business volume, compared with 2017 in the year (see table below). Energy efficiency has been improved, and workers' saving consciousness has been further strengthened.

**2018/2017年水电支出与营业额占比月度汇总表 Monthly summary of hydropower expenditure and turnover in 2018/2017**

2018年度													
月份	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	合计
电费	160208.53	118546.06	131013.7	134939.21	119109.54	114175.35	122990.01	142031.9	159498.13	115176.19	136661.69	125614.53	1579964.82
水费	9241.81	11305.06	10301.92	11064.19	7362.01	7022.14	6368.31	7390	6804.62	7893.49	8550.5	8300.2	101604.25
营业收入	13345680.12	15686049.7	8149070	14955289	19256030	8969147.9	7195479.2	9692072	14144056	13790915	13840622	13632221.32	152656631.2
占比	1.27%	0.83%	1.73%	0.98%	0.66%	1.35%	1.80%	1.54%	1.18%	0.89%	1.05%	0.98%	14.26%
2017年度													
月份	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	合计
电费	172564.69	153838.99	192573.8	211862.12	226681.82	267275.6	273971.99	276019.3	248034.04	234423.32	251661.61	209915.1	2718822.39
水费	6270	4425	4587	4650	4227	3516	3798	7143	7761	10812	9018	8901	75108
营业收入	5316336.06	5136806.37	14888219	9386028.4	12430293	12396909	12910180	17238861	17692541	17187140	14447953	15839960.5	154871228.3
占比	3.36%	3.08%	1.32%	2.31%	1.86%	2.18%	2.15%	1.64%	1.45%	1.43%	1.80%	1.38%	23.97%

## 九、公司对社区责任情况 The company's responsibility to the community

公司本着与社区和谐相处的原则，积极维护社区安全与稳定。公司除加强职工职业道德教育外，积极推行社会公德、家庭美德教育，加强不稳定因素排查，确保一方平安。

In line with the principle of harmonious coexistence with the community, the company actively maintains community security and stability. In addition to strengthening the professional ethics education of employees, the company actively promotes education in social ethics and family virtues, and strengthens the investigation of unstable factors to ensure that one side is safe.

2018年，为了彻底解决本公司生产装置与周边社区的存在的安全隐患问题，改善生产生活环境，维护社会稳定，保障人民群众生命财产安全，促进经济社会持续快速健康协调发展。

In 2018, In order to solve the hidden danger of safety in our production plant and the surrounding communities.,

improve the production and living environment, maintain social stability, ensure the safety of the people's life and property, and promote the sustained, rapid, healthy and coordinated development of the economy and society.

2018年，未发生职工违法刑事案件，未发生职工及其家属集体到政府上访事件。

In 2018, there were no criminal cases involving staff and workers, and no employees and their families had collectively visited the government.

#### 十、公司在履行社会责任方面存在的问题及改进计划

##### **Problems and improvement plan of company in fulfilling social responsibility**

公司在履行社会责任方面做了大量务实的、富有成效的工作。但经过评估，我们认为还存在一些差距：

The company has done a lot of practical and fruitful work in fulfilling its social responsibilities. But after assessment, we think there are still some gaps:

一是，尚未建立系统的、量化的社会责任评价指标体系。

First, a systematic and quantitative index system of social responsibility evaluation has not yet been established.

为此，公司将根据实际情况，及时建立健全社会责任评价指标体系，引导公司履行社会责任，规范公司行为。

Therefore, according to the actual situation, the company will establish and improve the social responsibility evaluation index system in a timely manner, and guide the company to fulfill its social responsibilities and standardize the company's behavior.

二是，公司在社会责任履行方面自愿性披露的积极性不够。

Two, the company's initiative in voluntary disclosure of social responsibility is not enough.

今后，公司将加强检查，定期评价社会责任的执行情况和存在问题，并及时发布年度报告。

In the future, the company will strengthen the inspection, regularly evaluate the implementation of social responsibility and existing problems, and timely publish the annual report.

三是，对履行社会责任的宣传、倡导和示范作用不够。

Three, it is not enough to publicize, advocate and demonstrate social responsibility.

今后，公司将一如既往地把社会责任作为企业一项应尽的义务，加强宣传，以自身的影响力带动周边企业、行业相关企业履行社会责任，共同促进社会、企业和谐发展。

In the future, the company will as always take social responsibility as an obligation of the enterprise, strengthen publicity, drive the surrounding enterprises, industry related enterprises to fulfill the social responsibility with their own influence, and jointly promote the harmonious development of society and enterprises.

厦门盈发实业有限公司

Xiamen Surplus Enterprises Co., Ltd.

2018 年 12 月28 日

Dec 28, 2018



### 直接温室气体排放

tonnes of CO <sub>2</sub> e	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>	NF <sub>3</sub>	其它	总量
汇总	0.00	0.00	0.00	97.19	0.00	0.00	0.00	0.00	97.19

### 能源间接温室气体排放

tonnes of CO <sub>2</sub> e	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	总量
外购电力	13,933.99			13,933.99
外购蒸汽	0.00	0.00	0.00	0.00
汇总	13,933.99	0.00	0.00	13,933.99

tonnes of CO <sub>2</sub> e	直接温室气体排放	能源间接温室气体排放	总量
总排放量	97.19	13,933.99	14,031.18

### 生物质燃烧温室气体排放

tonnes of CO <sub>2</sub> e	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	总量
生物质燃烧	0.00	0.00	0.00	0.00

排放源	活动数据级别	排放因子级别	平均得分	排放量 (tonnes of CO2e)	排放量占比	加权平均积分
冷媒逸散	3	6	4.500	12.16	0.09%	0.00
CO2逸散	3	4	3.500	0.00	0.00%	0.00
外购电力	3	3	3.000	13933.99	99.54%	2.99
CO2逸散	3	6	4.500	0.00	0.00%	0.00
冷媒逸散	1	1	1.000	52.19	0.37%	0.00
特气逸散	3	1	2.000	32.84	0.23%	0.00
					加权合计	2.99
					加权等级	一般

优+
优
良
一般
差

**备注:**

平均积分=(AD评分+EF评分)/2

排放量占比=排放源排放量/总排放量

加权平均积分=平均积分\*排放占比

加权合计=Σ加权平均积分

数据品质分为五级。

**级别评分对照表:**

工业名称	中文名称/化学分子式	组成比例 (%)	GWP	GWP(HFCs)	GWP(PFCs)	来源	备注
CO2	二氧化碳		1			2013年IPCC第五次评估报告AR5	
CH4	甲烷		28			2013年IPCC第五次评估报告AR5	
N2O	氧化亚氮		265			2013年IPCC第五次评估报告AR5	
HFC-23	R-23, 三氟甲烷, CHF3			14,800		2007年IPCC第四次评估报告AR4	
HFC-32	R-32, 二氟甲烷, CH2F2			675		2007年IPCC第四次评估报告AR4	
HFC-41	一氟甲烷, CH3F			97		2007年IPCC第四次评估报告AR4	
HFC-125	R-125, 1,1,1,2,2-五氟乙烷, C2HF5			3,500		2007年IPCC第四次评估报告AR4	
HFC-134	R-134, 1,1,2,2-四氟乙烷, C2H2F4			1,100		2007年IPCC第四次评估报告AR4	
HFC-134a	R-134a, 1,1,1,2-四氟乙烷, C2H2F4			1,430		2007年IPCC第四次评估报告AR4	
HFC-143	R-143, 1,1,2-三氟乙烷, CHF2CH2F			330		2007年IPCC第四次评估报告AR4	
HFC-143a	R-143a, 1,1,1-三氟乙烷, C2H3F3			4,470		2007年IPCC第四次评估报告AR4	
HFC-152	R-152, 1,2-二氟乙烷, CH2FCH2F			43		2007年IPCC第四次评估报告AR4	
HFC-152a	R-152a, 1,1-二氟乙烷, C2H4F2			124		2007年IPCC第四次评估报告AR4	
HFC-161	R-161, 一氟乙烷, CH3CH2F			12		2007年IPCC第四次评估报告AR4	
HFC-227ea	R-227ea, 1,1,1,2,3,3,3-七氟丙烷, CF3CHFCF3			3,220		2007年IPCC第四次评估报告AR4	
HFC-236cb	R-236cb, 1,1,1,2,2,3-六氟丙烷, CH2FCF2CF3			1,300		2007年IPCC第四次评估报告AR4	
HFC-236ea	R-236ea, 1,1,1,2,3,3-六氟丙烷, CHF2CHFCF3			1,200		2007年IPCC第四次评估报告AR4	
HFC-236fa	R-236fa, 1,1,1,3,3,3-六氟丙烷, C3H2F6			9,810		2007年IPCC第四次评估报告AR4	
HFC-245ca	R-245ca, 1,1,2,2,3-五氟丙烷, CH2FCF2CHF2			640		2007年IPCC第四次评估报告AR4	
HFC-245fa	R-245fa, 1,1,1,3,3-五氟丙烷, CHF2CH2CF3			1,030		2007年IPCC第四次评估报告AR4	
HFC-365mfc	R-365mfc, 1,1,1,3,3-五氟丁烷, CF3CH2CF2CH3			794		2007年IPCC第四次评估报告AR4	
HFC-43-10mc	R-43-10mee, 1,1,1,2,2,3,4,5,5,5-十氟戊烷, CF3CHFCFHCFC2CF3			1,640		2007年IPCC第四次评估报告AR4	
R401A		R22/152a/R124 (53/13/34)		16.12		2007年IPCC第四次评估报告AR	只考虑了R152a
R401B		R22/152a/R124 (61/11/28)		13.64		2007年IPCC第四次评估报告AR	只考虑了R152a
R404A		R125/143a/R134a (44/52/4)		3921.6		2007年IPCC第四次评估报告AR4	
R407A		R32/R125/R134a (20/40/40)		2107		2007年IPCC第四次评估报告AR4	
R407B		R32/R125/R134a (10/70/20)		2803.5		2007年IPCC第四次评估报告AR4	
R407C		R32/R125/R134a (23/25/52)		1773.85		2007年IPCC第四次评估报告AR4	
R408A		R125/R143a/R22 (7/46/47)		2301.2		2007年IPCC第四次评估报告AR	未考虑R22
R410A		R32/R125 (50/50)		2087.5		2007年IPCC第四次评估报告AR4	
R413A		R218/R134a/R600a(9/88/3)		1258.4	794.7	2007年IPCC第四次评估报告AR4	
R417A		R125/R134a/R600a(46.6/50/3.4)		2346		2007年IPCC第四次评估报告AR4	
R503		R23/R13 (40.1/59.9)		5,935		2007年IPCC第四次评估报告AR	只考虑了R23,未考虑R13
R507A		R125/R143a (50.0/50.0)		3985		2007年IPCC第四次评估报告AR4	
R508A		R23/R116 (39.0/61.0)		5772	7442	2007年IPCC第四次评估报告AR4	
R508B		R23/R116 (46.0/54.0)		6808	6588	2007年IPCC第四次评估报告AR4	
PFC-116	R-116, 六氟乙烷, C2F6				12,200	2007年IPCC第四次评估报告AR4	
PFC-14	R-14, 四氟化碳, CF4				7,390	2007年IPCC第四次评估报告AR4	
PFC-218	C3F8, 全氟丙烷				8,830	2007年IPCC第四次评估报告AR4	
PFC-318	c-C4F8, 八氟环丁烷				10,300	2007年IPCC第四次评估报告AR4	
PFC-3-1-10	C4F10, 全氟丁烷				8,860	2007年IPCC第四次评估报告AR4	
PFC-4-1-12	C5F12, 全氟戊烷				9,160	2007年IPCC第四次评估报告AR4	
PFC-5-1-14	C6F14, 全氟己烷				9,300	2007年IPCC第四次评估报告AR4	
NF3	三氟化氮		17,200			2007年IPCC第四次评估报告AR 4	
SF6	六氟化硫		22,800			2007年IPCC第四次评估报告AR 4	

编号	GHG排放类别	排放源	设施	热值	单位	CO2		CH4		N2O		引用源		备注
						缺省EF	EF计算	缺省EF	EF计算	缺省EF	EF计算	缺省排放因子	GWP	
1	Fugitive emissions逸散排放	WD-40逸散					1.00						2007年IPCC第四次评估报告AR4	

编号	GHG排放类别	排放源	设施	热值	单位	HFCs/PFCs		应用	排放因子引用源
						缺省EF	EF估计值		
2	Fugitive emissions无组织排放	冷媒泄漏	空调				5.50%	住宅和商用空调, 包括热泵	2006年IPCC国家温室气体清单指南 V3_7_Ch7 Table7.9
3	Fugitive emissions无组织排放	冷媒泄漏	冷冻机				8.50%	冷却器	2006年IPCC国家温室气体清单指南 V3_7_Ch7 Table7.9
4	Fugitive emissions逸散排放	冷媒逸散	速冻剂使用				1.00		质量平衡法

编号	GHG排放类别	排放源	设施	热值	单位	CO2, FM200		排放因子引用源
						缺省EF	EF估计值	
5	Fugitive emissions无组织排放	FM200逸散	中央灭火系统				2%	2006年IPCC国家温室气体清单指南 V3_7_Ch7 7.6.2.2
6	Fugitive emissions无组织排放	CO2逸散	便携式灭火器				4%	2006年IPCC国家温室气体清单指南 V3_7_Ch7 7.6.2.2

2015中国区域电网基准线排放因子

电网	EF <sub>grid,only</sub> (tCO2/MWh)	覆盖省市
华东区域电网	0.8112	上海市、江苏省、浙江省、安徽省、福建省