CORPORATE SOCIAL RESPONSIBILITY OF HEATING COMPANIES IN POLAND IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT

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Abstract: In the coming years, the heating sector in Poland will undergo further changes as a result of the implementation of the country's energy policy within the European Union. Its main goals are: increasing energy efficiency, development of renewable energy sources and meeting legal and environmental requirements. Their implementation should take into account the observance of CSR principles in order to ensure a stable supply of heat to industrial and municipal consumers with high energy efficiency and limitation of the environmental impact. The article presents the conditions for the operation of the heating industry in Poland and CSR issues in heating companies. Particular attention was paid to the issue of energy poverty and its reduction. The application of social responsibility practices in heating industry on the basis of activities of selected enterprises in this sector was presented. The importance of social responsibility of heating companies in the implementation of a just energy transition in Poland was also indicated.

Keywords: corporate social responsibility, heating companies, energy poverty, sustainable development

1. INTRODUCTION - CSR ISSUES IN ENTERPRISES

Corporate Social Responsibility (CSR) expresses the company's responsibility for the impact of its functioning on society. The term CSR was formalized in 1953 by the American economist H.R. Bowen in his fundamental work *Social Responsibility of the Businessman*. It was the first comprehensive discussion on business ethics and social responsibility (Witkowska, 2016). The idea of CSR developed in the 1960s and 1970s along with the expansion of large corporations and became a popular subject in the 1980s with R.E. Freeman's *Strategic Management: A Stakeholder Approach* and the many key works of A.B. Carroll, P.F. Drucker, W.C. Frederick, H. Mintzberg and others (Carroll and Shabana, 2010). Over the years, the concept of CSR has significantly evolved and the emphasis is now on corporate and institutional practices based on high ethical standards, thanks to which companies voluntarily include environmental protection in their activities and create positive relations with various groups of stakeholders (Murphy and Schlegelmilch, 2013; Buczkowski et al., 2016).

One of the broadest definitions of CSR was presented in 2010 by the International Organization for Standardization in the standard ISO 26000 *Guidance on social responsibility*, a document that integrates international expertise on the concept of the social responsibility of organizations in society (Hemphill, 2013; Buczkowski et al., 2016). According to it (ISO, 2010), CSR is "responsibility of an organization for the impacts of its decisions and activities on society and the environment, through transparent and ethical behaviour that:

- contributes to sustainable development, including health and the welfare of society;
- takes into account the expectations of stakeholder;
- is in compliance with applicable law and consistent with international norms of behaviour;
- is integrated throughout the organization and practised in its relationships."

The main principles and key thematic areas regulated by the ISO 26000 standard, as well as activities related to the implementation of CSR in the organization are presented in Figure 1.

Fig. 1. Components of the social responsibility system of the organization

Source: own elaboration based on the ISO 26000:2010 standard

The ISO 26000 standard serves to unify the understanding of CSR at the international level in various cultural, social, environmental and legal conditions. Apart from it, the main sources of international principles of corporate social responsibility are the UN Global Compact, the OECD Guidelines, the ILO Declaration and the European Commission's CSR strategy (Bernatt, 2009; ISO, 2019). Due to the dissemination of CSR, this issue is more and more often included in the company's management strategy.

2. FACTORS AFFECTING THE HEATING SECTOR IN POLAND

Although the energy sector determines the socio-economic development, it also affects the condition of the environment and climate changes on a global scale. That

3. ENERGY POVERTY AND SUSTAINABLE DEVELOPMENT

Today, almost 50 million people in the European Union are affected by energy poverty (EP). Due to the prevalence of this problem, reducing energy poverty has been identified as a key priority of the European Union's policy (Thomson et al., 2017; Górska, 2019). Energy poverty often defined as a situation where individuals or households are not able to adequately heat or provide other required energy services in their homes at affordable cost (Pay et al., 2015). The main cause of EP is the interaction between high energy prices, energy inefficient homes and appliances, and low household incomes (Oliveras et al., 2020).

One indicator that is used to compare energy poverty in Europe is the rate of inability to keep home adequately warm. According to Eurostat data (Fig. 3), the percentage of people suffering from energy poverty in EU Member States varies significantly and is less of a problem in colder countries than in warm ones.

Fig. 3. Energy poverty indicators in UE countries in the years 2005 (a) and 2018 (b)
Source: <https://www.energypoverty.eu/indicators-data> [access 20.11.2020]

The Scandinavian countries are leaders in terms of the efficiency of heating systems, the size of the share of households connected to these systems, as well as the use of modern, sustainable energy solutions (Upgrade DH, 2019). In Poland, the risk of energy poverty is moderate, but territorially diversified (Fig. 4).

Fig. 4. The level of energy poverty in Poland in 2014 according to:
a) LIHC index, b) subjective measure (failure to meet basic energy needs)
Source: Lis et al., 2016

Households that spend too much on energy compared to their income (LIHC indicator) are more often rural residents at 62%, while the largest percentage of socially sensitive recipients are retirees, farmers and manual workers (Fig. 5).

Fig. 5. Energy poverty in Poland in the groups of socially vulnerable consumers in 2014 according to the LIHC index

Source: Lis et al., 2016

We can distinguish three strategic areas of counteracting energy poverty: increasing household income, creating socially acceptable energy prices and improving the energy efficiency of buildings (Górska, 2019). These problems are included in the economic, social and environmental goals resulting from the sustainable development strategy implemented in the European Union. Poland, like the EU, has made reducing the scale of energy poverty one of its important priorities. It is assumed that by 2030 energy poverty will be reduced by 30%, i.e. to a maximum level of 6% of households. The main tool to fight the problem of poverty is to improve the energy efficiency of buildings (thermal modernization) and to ensure effective and ecological access to heat (Ministerstwo Klimatu, 2020). The following will be important: state social assistance (energy allowance), pricing policy (Energy Regulatory Office), combining thermal modernization and renewable energy support programs with social assistance instruments and the involvement of heating companies as part of good CSR practices.

4. IMPLEMENTATION OF CSR IN HEATING COMPANIES

The implementation of corporate social responsibility practices is now part of the strategies of leading energy sector companies in Poland (Jaroń and Wędziński, 2010, PwC, 2012; Jacyno et al., 2013; Słupik, 2013). The hierarchy of goals of a heating company is shown in Figure 6.

Fig. 6. Hierarchy of goals of a heating company

Source: based on Paszko, 2012

It is worth emphasizing that in the case of enterprises from the thermal energy sector, the main goal, apart from survival and development, is to ensure the supply of heat, however, striving to maximize profit must be balanced with care for maintaining a socially acceptable cost of heat supply. Active relations and communication between the company and the social and economic environment are of great importance here. The involvement of an energy company in the life of the local community can effectively reduce the risk of social protests, e.g. in the case of the implementation of new investment projects, such as a waste incineration plant. Through information campaigns and promotion of energy-saving solutions and clean technologies for the sake of the environment, the local community can also be interested in energy security and more efficient use of energy (Jacyno et al., 2013).

Based on reports from 2012-2019 of seven representative energy sector enterprises, Table 1 shows the degree of involvement and activities of these companies in key areas of social responsibility.

Table 1.

Activities of selected energy enterprises in key areas of social responsibility (years 2012-2019)

Key areas of activity	Enterprises in the energy industry						
	Grupa Veolia	Grupa GPEC	Fortum Power and Heat	Tauron Polska Energia	EDF Polska	PGNiG	PGE
Corporate governance	1	1	1	2	2	0	6
Labor relations	5	12	0	12	14	9	13
Human rights	1	1	0	1	3	0	0
Environment	5	4	2	10	4	6	27
Fair operating practices	0	0	0	2	1	1	3
Social involvement and development of society	5	7	9	20	6	32	29
Consumer issues	0	0	0	8	1	1	12

Source: own elaboration based on <http://odpowiedzialnybiznes.pl/dobre-praktyki/>

The introduction of the principles of social responsibility by energy enterprises is associated with numerous economic and environmental benefits, as well as care for end users. In their activities, companies should be guided by openness, transparency and reliability, as well as resign from abusing their dominant position towards contractors, customers and energy recipients (Jaroń and Wędziński, 2010).

5. CONCLUSION

The concept of sustainable development implemented in EU countries through mechanisms promoting the increase in energy efficiency, the development of renewable energy sources, prosumer energy, digitization and implementation of innovative technologies is conducive to the energy transition. In this process, the activities of energy companies that directly affect the environment and society are of great importance. By adopting good CSR practices, heating companies, through sustainable development, combine the effectiveness of activities with the ecological and ethical aspects of their functioning in the social space. Including the corporate social responsibility practices of an energy company in a strategy that takes into account non-

economic aspects of its operations may be a way to create a competitive advantage over other companies operating on the market.

It should be emphasized that in line with global CSR standards, environmental issues are of great importance in the energy sector, mainly in order to reduce greenhouse gas emissions and inform the public about the implementation of such activities (Jacyno et al., 2013). The effect of communication between the enterprise and the society is civic energy, i.e. the growing awareness of people and knowledge of how much they pay for energy, how energy affects their health, whether it degrades the environment, or creates an opportunity for them to actively participate in building energy security. CSR activities of energy companies also contribute to solving significant social problems, e.g. reducing energy poverty.

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