



QUARTERLY BRIEF N°1

The CEE Comp is a national initiative that encourages and recognizes energy efficiency efforts among businesses in Cambodia. It aims to promote sustainable practices, reduce energy consumption, and foster a culture of energy conservation. By engaging companies across various sectors, the competition strives to create a collective impact on energy efficiency in the country.

CEE Comp stands out as the inaugural and only Energy Efficiency competition in Southeast Asia. **Sevea** takes the lead in its organization, backed by the generous sponsorship of **Soma Group** and **Schneider Electric**.

This competition forges significant partnerships with **WWF-Cambodia**, **EnergyLab Cambodia**, **EuroCham Cambodia**, and **All Dreams Cambodia**. Media backing comes from **WeWatch TV Cambodia** and អំពីថាមពល - **About Energy**. Adding to the prestige, both the **Ministry of Environment** and the **Ministry of Mines and Energy** have officially endorsed this competition.



	ORGANIZED BY:	SPONSORED BY:	ENDORSED BY:
		 	 
	IN PARTNERSHIP WITH:	WITH THE MEDIA SUPPORT OF:	
	   	 	

IN THIS COMPETITION

A Comprehensive Guide to the Competition Schedule



Meet the esteemed participants in this edition



The competition brings together a diverse array of participants from various sectors

and backgrounds, showcasing the collective commitment to sustainability and energy efficiency. Prominent entities, including WWF-Cambodia, IPS Cambodia, Newrest Cambodia, iRoha Garden, Bred Bank, Almond Hotel, Cambodia Airports, Australian Embassy, Thalias, All Dreams Cambodia, Angkor Research Consulting, Zuellig Pharma, Himawari, EuroCham Cambodia, Lotus Green team, École d'Hôtellerie et de Tourisme Paul Dubrulle,

Sun and Moon Urban Hotel, Cova Thinking, Amanjaya, Confluences, and Comin Asia, enthusiastically engage in this initiative.

Their involvement in the CEE Comp project shows their commitment to Cambodia's National Energy Efficiency Policy (NEEP), which aims to achieve a substantial reduction of at least 19% in energy consumption by 2030, compared to a business-as-usual scenario, with a specific focus on a 25% decrease in the commercial buildings sector.

Cambodia Airports, Thalias, EuroCham Cambodia, and Comin Asia played pivotal roles as key partners in the previous edition, and their return this year is marked by even greater enthusiasm.

Chhun, V., & Seng, S. (2020, December 28). Strengthening energy efficiency efforts in residential sector with NEEP. The Phnom Penh Post.



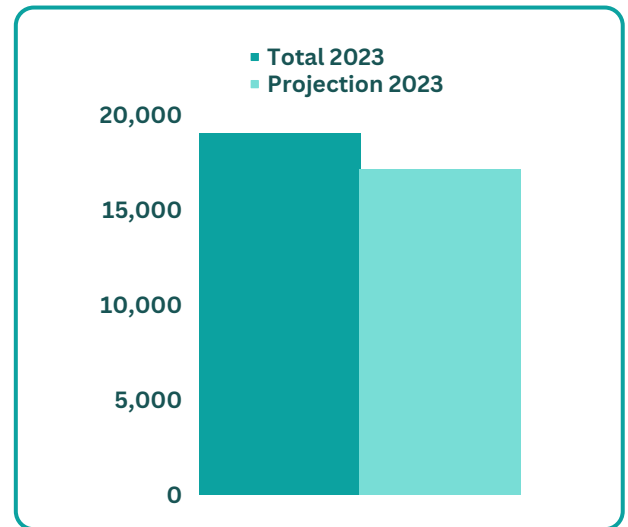


KEY SAVINGS & CHALLENGES

While most candidates in the second edition of CEE Comp are office buildings, there's a diverse mix that encompasses more specialized structures like airports and schools. Notably, this year's competition introduces hotels into the mix, adding a new and exciting dimension to the challenge.

In terms of energy consumption, participants in the competition are projected to consume a total of 18,858 MWh of electricity, resulting in the emission of 11,036 tons of CO2 in 2023. However, with an estimated 10% reduction achieved through energy-saving measures implemented during the competition, they stand to save an impressive 1,896 MWh of electricity this year.

Key 2023 Energy savings (MWh)



5,750,000 KM



4,133,676 L



369,720 SAVED

Achieving the anticipated 10% energy saving could translate into substantial savings of **\$369,720** for the organization. Beyond the financial benefit, this energy conservation initiative would also result in a significant reduction of **1,104 tons** in CO2 emissions. To put this environmental impact into perspective, it's equivalent to saving approximately **5,750,000 kilometers** of travel by motorcycle and conserving a staggering **4,133,676 liters** of bottled water.

During the initial 4 months, candidates were able to implement energy-saving activities in their companies but also faced challenges that they need to overcome. The first candidate meeting allowed them to share and address these challenges. Here are some reported situations:

Challenges:

- **Monitoring and controlling actions**
- **Fostering employees motivation**
- **Doors let open when AC is ON, AC/lighting ON overnight**

Actions:

- **Energy Audit**
 - Using a BMS
 - Follow-up/control committee or manager
- **Internal competition**
 - Team rewards
- **Disseminate knowledge**
 - Quarterly/Monthly training
- **Communication plan**
 - Informative stickers
 - Meeting with Green Team and Top Management
 - Daily/weekly reminders

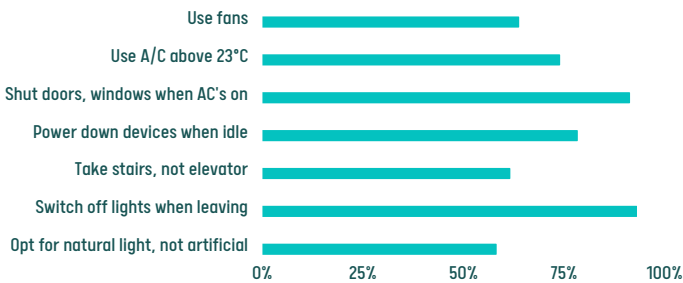


BASELINE SURVEY

Prior to the competition, an energy behavior baseline survey was conducted in order to do a pre-assessment of level of knowledge and energy behaviors of participants. The survey was sent early enough in the competition by the CEE Comp project leaders in order to do a pre-assessment before knowledge-raising activities started.

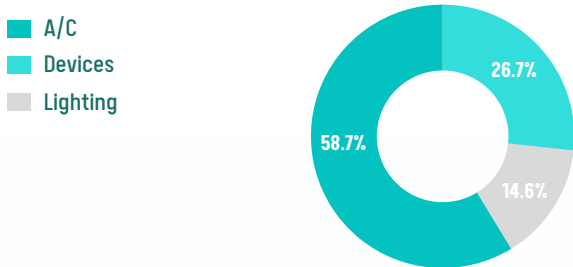


Overview of energy habits of employee:



How most people think:

The most energy consuming equipment in South-East Asia

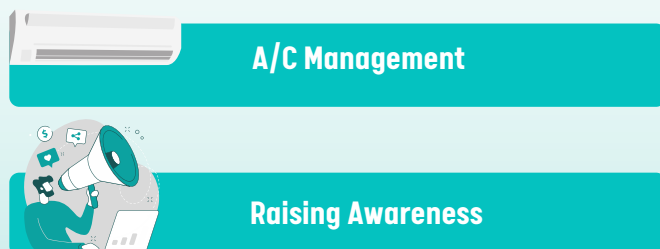


It is indeed surprising to observe that the participants already exhibit commendable general energy behaviors, as a remarkable average of 74% of them display positive habits. Furthermore, it is notable that a significant portion of individuals demonstrate energy efficiency specifically in the usage of air conditioning and lighting. This indicates a promising trend towards responsible energy consumption among the participants.

However, it is worth noting that despite the positive energy behaviors displayed by participants, there is still room for improvement. Surprisingly, only 59% of employees are aware that air conditioning is the most energy-consuming equipment in South-East Asia. This lack of awareness emphasizes the critical need to enhance knowledge and understanding of energy efficiency among employees.

Employee Ideas for Energy Efficiency

Popular employee-suggested energy efficiency action ideas for implementation in their organization include:



The majority of employees firmly believe that energy efficiency measures can significantly decrease the building's energy consumption. Specifically, 85% of them are confident that implementing energy-efficient practices, particularly by modifying our habits, can make a substantial contribution to conserving energy.

CEE COMP: A JOURNEY OF LEARNING AND SHARING

CEE Comp is a competition that challenges participants to improve their energy efficiency and reduce their environmental impact. The second edition of CEE Comp has been full of exciting and educational events for the participants, such as:

- **Project Leader Onboarding session:** This session brought together project leaders from each organization who are responsible for leading and supporting their teams throughout the competition. A total of **29 participants** actively joined this informative session.
- **Green team Onboarding session:** During this engaging session, participants came together to form their green teams and gained a comprehensive understanding of the competition's goals and rules. The session attracted a total of **36 participants**.
- **Opening ceremony:** The competition was launched in an opening ceremony that featured the introduction of participants' profiles and their commitments, this event had the presence of **58 individuals**, and it was endorsed by H.E. Suy Sem, former minister of Ministry of Mines and Energy.
- **Technical training:** The **62 participants** received practical knowledge and skills on energy efficiency, including energy audits, management systems, and energy-saving measures. It was conducted two time.
- **First candidate meeting:** With **42 participants**, this meeting offered a platform for participants to present their baseline data, action plans, and receive valuable feedback and guidance from experts and mentors.

