



EEAP WEBINAR 5: SUMMARY NOTES **EVALUATION OF ENERGY POLICIES AND PROGRAMS IN Chile**

On October 12, 2023, the Energy Evaluation Asia Pacific (EEAP) organized an insightful webinar on the topic of 'Evaluation of Energy Policies and Programs in Chile.' This engaging virtual event featured two esteemed speakers from the Energy Sustainability Agency of Chile. Raúl Riveros, a seasoned evaluator at AgenciaSE, provided a comprehensive overview of evaluation of energy programs in Chile, shedding light on the agency's impactful work in this field. Javier Rojas, the Project Manager for Sustainable Mobility and Green Hydrogen, contributed valuable insights garnered from the monitoring of electric vehicles within the Mi Taxi Eléctrico Program.

The webinar served as an opportunity for sharing knowledge and best practices in the realm of energy evaluation, offering a unique opportunity to examine the effectiveness and impact of Chile's energy initiatives. This document summarizes the key discussion points from the webinar.

Webinar Agenda

Time (CLT)	Sessions/Speakers
1:00-1:05 pm	Welcome Remarks & Context Setting <i>Edward Vine, Affiliate, Lawrence Berkeley National Laboratory (LBNL) and Steering Committee Member, Energy Evaluation Asia Pacific (EEAP)</i>
1:05-1:45 pm	Presenters 1. Raúl Riveros , Evaluator, Energy Sustainability Agency of Chile “Evaluation of programs – Energy Sustainability Agency of Chile” 2. Javier Rojas , Project Manager - Sustainable Mobility and Green Hydrogen, Energy Sustainability Agency of Chile “Lessons Learned in the Monitoring of Electric Vehicles”
	Moderated Audience Q&A

1:45- 2:00 pm	Moderated by Edward Vine , Affiliate, Lawrence Berkeley National Laboratory (LBNL) and Steering Committee Member, Energy Evaluation Asia Pacific (EEAP)
2:00 pm	Concluding Comments & Vote of thanks Edward Vine , Affiliate, Lawrence Berkeley National Laboratory (LBNL) and Steering Committee Member, Energy Evaluation Asia Pacific (EEAP)

Introduction and Context Setting

Edward Vine, Affiliate, Lawrence Berkeley National Laboratory (LBNL) and Steering Committee Member, Energy Evaluation Asia Pacific (EEAP)



Edward Vine, a member of the Steering Committee for EEAP, cordially greeted the participants and speakers and provided an introduction to EEAP. Established as a non-profit organization in 2018, EEAP is driven by a clear mission: to take a leadership role in advancing the practice and capacity for objective evaluation within the energy efficiency and renewable energy program and policy sphere.

EEAP actively pursues its mission by organizing a range of initiatives, including workshops, conferences, webinars, websites, and other web-based tools. These efforts are strategically designed to nurture the growth of self-sustaining evaluation communities throughout the Asia-Pacific region.

EEAP's leadership is characterized by two distinguished committees: a dynamic nine-member Steering Committee and an Advisory Committee consisting of 25 members representing 18 countries. This collaborative structure ensures that EEAP effectively fulfills its mission and promotes the widespread adoption of rigorous evaluation practices in the energy efficiency and renewable energy sectors.

Furthermore, Ed unveiled a list of forthcoming webinars arranged by EEAP, encouraging attendees to stay updated on these events through EEAP's official website and social media platforms.

List of Upcoming Webinars
Evaluation of Energy Programs in Australia
Evaluation of Energy Programs in New Zealand

Monitoring, Evaluation and Learning

Evaluation of SDG 7- Affordable, reliable, sustainable and and modern energy for all

Ed also informed the participants about EEAP’s quarterly newsletter that is expected to be released in the second week of October.

He also provided valuable context for the webinar, underscoring the remarkable transformation experienced by the Chile's energy sector in response to its commitment to the Paris Agreement and the pursuit of sustainability. He highlighted Chile’s efforts in the promotion of renewable energy and energy efficiency and its ambition to achieve a target of generating 70% of electricity from renewables by 2050.

Presentation by Speakers

Evaluation of Energy Programs-Energy Sustainability Agency of Chile

Raúl Riveros, Evaluator, Energy Sustainability Agency of Chile



Mr. Raul began his presentation by introducing the [Energy Sustainability Agency of Chile](#) which is a non-profit private law foundation with the mission of promoting and strengthening the efficient and sustainable use of energy in Chile. Their mission encompasses various facets of the energy landscape in Chile, focusing on the key consumer sectors, including industry and mining, transportation, construction, and the public, residential, and commercial domains. In addition to these areas, the agency plays a pivotal role in education and knowledge dissemination, with the aim of influencing citizens to embrace behavioral changes conducive to energy sustainability. The agency's evaluation of programs is anchored in a set of program indicators, thoughtfully categorized in alignment with the agency's new strategies and objectives. These indicators span a broad spectrum, encompassing:


- **Public, Private, and Citizen Collaboration:** Aimed at initiating the energy transition and enhancing climate resilience.
- **Education and Human Capital Development:** Focused on cultivating a culture of energy awareness and proficiency among the populace.
- **Energy Poverty:** Addressing issues related to energy accessibility and equity.
- **Gender Equity:** Ensuring fairness and inclusivity in energy-related matters.
- **Energy Savings:** Encouraging responsible energy consumption practices.
- **Greenhouse Gas Emissions:** Targeting the reduction of environmental impacts.
- **Energy Costs:** Analyzing the economic aspects of energy utilization.

These indicators reflect a notable shift in the agency's approach, moving from project-centric assessments to evaluations oriented towards benefiting those they serve.


Furthermore, these indicators serve as guiding principles for evaluating performance across various levels, spanning outputs, outcomes, and overall impact. Raul further elucidated the agency's systematic and comprehensive data collection process, highlighting their commitment to methodical and holistic evaluation methods. Raul's presentation emphasized agency's commitment to fostering energy sustainability by aligning their evaluations with societal impact, ensuring greater relevance and effectiveness in their efforts to reduce energy consumption, greenhouse gas emissions, energy costs, and energy poverty while promoting gender equity and energy savings.

Energy Evaluation Asia Pacific (EEAP) Webinar

Input information for indicators



- Information from relevant databases**
 - Governmental open databases.
 - Information from research institutions.
 - Non public information by agreement of proper treatment.
- Information raised by the program**
 - First source of information about any stakeholder of the program
 - First source of technical information about the benefits delivered
- Information from tailored means**
 - Surveys applications.
 - Dedicated measurement equipments
 - Agreement of information taking from a stakeholder of the program



Lessons Learned in the Monitoring of Electric Vehicles

Javier Rojas, Project Manager - Sustainable Mobility and Green Hydrogen, Energy Sustainability Agency of Chile

Mr. Javier's presentation focused on the invaluable insights garnered from monitoring the Mi Taxi Eléctrico Program, an ambitious initiative aiming to replace 50 internal combustion engine (ICE) taxis with electric vehicles (EVs) in Santiago. The primary objective of this program is to drive the adoption of e-mobility within the light-duty public transportation sector, thus curbing energy consumption and reducing pollution caused by high-mileage fleets (over 50,000 km/year or approximately 30,000 mi/year). Notably, the project received a substantial investment of \$650,000 USD from the Ministry of Energy.

Javier started by explaining the program's key goals, highlighting its role in fostering e-mobility and its positive impact on the environment. Before delving into the actual monitoring phase, a preliminary pilot monitoring was executed in collaboration with Movia, a Chilean startup specializing in data intelligence. This pilot phase was instrumental in gathering essential technical knowledge that ultimately streamlined the monitoring process with the program's beneficiaries. Data collection was carefully conducted through contactless devices connected to the vehicle's CANbus system, focusing on critical indicators such as speed, state of charge, odometer readings, voltage, current, and power consumption.

From the monitoring project, Mr. Javier shared several key lessons learned:

- **Significance of Public Policy Monitoring:** Monitoring EVs, particularly those funded with taxpayers' money, is integral to gauging the success and impact of a public policy.
- **Crucial Role of the Monitoring Pilot:** The pilot monitoring phase proved to be a critical step, providing the technical expertise necessary for effectively implementing the service with program beneficiaries' vehicles.
- **Collaboration with Local Startups:** Partnering with local startups afforded the flexibility to tailor the service to the program's specific requirements and allowed for greater involvement in technical aspects.
- **Importance of Methodological Consistency:** Maintaining a consistent measurement methodology is imperative for achieving reliable and uniform results. Collaboration with the original equipment manufacturer (OEM) from the project's inception is highly recommended.

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