

REFERENCES

- [1] E. Spiller, R. Esparza, K. Mohlin, K. Tapia-Ahumada, and B. Ünel, “The role of electricity tariff design in distributed energy resource deployment,” *Energy Econ.*, vol. 120, p. 106500, Apr. 2023, doi: 10.1016/j.eneco.2022.106500.
- [2] D. de São José, P. Faria, and Z. Vale, “Smart energy community: A systematic review with metanalysis,” *Energy Strateg. Rev.*, vol. 36, p. 100678, Jul. 2021, doi: 10.1016/j.esr.2021.100678.
- [3] R. M. Johannsen, P. Sorknæs, K. Sperling, and P. A. Østergaard, “Energy communities’ flexibility in different tax and tariff structures,” *Energy Convers. Manag.*, vol. 288, no. February, 2023, doi: 10.1016/j.enconman.2023.117112.
- [4] B. Frew, W. Cole, P. Denholm, A. W. Frazier, N. Vincent, and R. Margolis, “Sunny with a Chance of Curtailment: Operating the US Grid with Very High Levels of Solar Photovoltaics,” *iScience*, vol. 21, pp. 436–447, 2019, doi: 10.1016/j.isci.2019.10.017.
- [5] F. Vecchi, U. Berardi, and G. Mutani, “Self-Sufficiency Building Energy Modelling from Urban to Block-Scale with PV Technology,” *Int. J. Sustain. Dev. Plan.*, vol. 18, no. 8, pp. 2309–2318, 2023, doi: 10.18280/ijstdp.180801.
- [6] T. Siyambalapitiya, “The New Electricity Pricing Policy in Sri Lanka,” *SLEMA J.*, vol. 14, no. 1, 2011.
- [7] “Ceylon Electricity Board Electricity Tariff Revision – January 2025,” 2025, [Online]. Available: <https://www.ceb.lk/?lang=en/1000>
- [8] SP group, “Electricity Tariff Singapore.” Accessed: Feb. 22, 2025. [Online]. Available: <https://www.spgroup.com.sg/our-services/utilities/tariff-information>
- [9] “Wellington Electricity.” Accessed: Feb. 22, 2025. [Online]. Available: <https://www.welectricity.co.nz/disclosures/pricing/time-of-use-pricing>
- [10] “Greater than 15kW of Contracted Power in Spain.” Accessed: Feb. 22, 2025. [Online]. Available: <https://energy.sicompare.com/faq-new-tariff-structure/>
- [11] S. Witte and V. Foster, *Falling Short: A Global Survey of Electricity Tariff Design*. World Bank, Washington, DC, 2020. doi: 10.1596/1813-9450-9174.
- [12] S. Witte and V. Foster, *Falling Short: A Global Survey of Electricity Tariff Design*, no. March. World Bank, Washington, DC, 2020. doi: 10.1596/1813-9450-9174.
- [13] E. J. Salazar, M. E. Samper, and H. D. Patiño, “Dynamic customer demand management: A reinforcement learning model based on real-time pricing and incentives,” *Renew. Energy Focus*, vol. 46, pp. 39–56, Sep. 2023, doi: 10.1016/j.ref.2023.05.004.
- [14] A. Sridhar *et al.*, “Toward residential flexibility—Consumer willingness to enroll household loads in demand response,” *Appl. Energy*, vol. 342, no. February, p. 121204, 2023, doi: 10.1016/j.apenergy.2023.121204.
- [15] D. G. Choi, M. K. Lim, K. Murali, and V. M. Thomas, “Why Have Voluntary Time-of-Use Tariffs Fallen Short in the Residential Sector?,” *Prod. Oper. Manag.*, vol. 29, no. 3, pp. 617–642, 2020, doi: 10.1111/poms.13126.

- [16] M. Avau, N. Govaerts, and E. Delarue, "Impact of distribution tariffs on prosumer demand response," *Energy Policy*, vol. 151, no. September 2020, p. 112116, 2021, doi: 10.1016/j.enpol.2020.112116.
- [17] S. Sundt, K. Rehdanz, and J. Meyerhoff, "Consumers' Willingness to Accept Time-of-Use Tariffs for Shifting Electricity Demand," *Energies*, vol. 13, no. 8, p. 1895, Apr. 2020, doi: 10.3390/en13081895.
- [18] J. Blasch, M. Filippini, and N. Kumar, "Boundedly rational consumers, energy and investment literacy, and the display of information on household appliances," *Resour. Energy Econ.*, vol. 56, pp. 39–58, May 2019, doi: 10.1016/j.reseneeco.2017.06.001.
- [19] M. L. Nicolson, M. J. Fell, and G. M. Huebner, "Consumer demand for time of use electricity tariffs: A systematized review of the empirical evidence," *Renew. Sustain. Energy Rev.*, vol. 97, no. August, pp. 276–289, 2018, doi: 10.1016/j.rser.2018.08.040.
- [20] T. Yunusov and J. Torriti, "Distributional effects of Time of Use tariffs based on electricity demand and time use," *Energy Policy*, vol. 156, no. June, p. 112412, 2021, doi: 10.1016/j.enpol.2021.112412.
- [21] L. Yang, C. Dong, C. L. J. Wan, and C. T. Ng, "Electricity time-of-use tariff with consumer behavior consideration," *Int. J. Prod. Econ.*, vol. 146, no. 2, pp. 402–410, 2013, doi: 10.1016/j.ijpe.2013.03.006.
- [22] "Generation Summary." Accessed: Apr. 27, 2025. [Online]. Available: <https://cebcare.ceb.lk/gensum/details>
- [23] CEB, "Generation Summary." Accessed: Apr. 24, 2025. [Online]. Available: <https://cebcare.ceb.lk/gensum/details>
- [24] "Global Horizontal Irradiation, Sri Lanka," World Bank Group. Accessed: Apr. 26, 2024. [Online]. Available: https://api.globalsolaratlas.info/download/Sri Lanka/Sri-Lanka_GHI_mid-size-map_156x220mm-300dpi_v20191016.png
- [25] "Irradiance and PV Performance Optimization," Commercial Solar Electric Systems. Accessed: Apr. 26, 2024. [Online]. Available: <https://www.e-education.psu.edu/ae868/node/877>
- [26] "Generation cost daily report," Public Utilities Commission of Sri Lanka. Accessed: Apr. 30, 2024. [Online]. Available: <https://www.pucsl.gov.lk/generation-cost-report/>