

# Essential Energy

## 10.02 Replacement Expenditure Overview

December 2022

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## Purpose and context

Our 2024–29 Regulatory Proposal (Proposal) comprises a suite of documents that provides information required under the National Electricity Rules (NER). This includes:

- > Supporting attachments to substantiate our Proposal.

The purpose of this document is to provide a reference table which identifies the supporting documents and financial summary for System Replacement capital expenditure.

## Reference table

The reference table below identifies each investment case for the Replacement category of our regulatory proposal.

**Table 1: Reference table for Repex**

Document Reference	Document Title	2024–29 Direct (\$FY24)	2024–29 Fully Allocated (\$FY24)
10.02.01	Poles Investment Case*	\$418.3M	\$676M
10.02.24	Composite Poles Transition Business Case		
10.02.02	Pole Top Equipment Investment Case	\$231.8M	\$375.1M
10.02.03	Overhead Conductors Investment Case	\$43.1M	\$69.7M
10.02.04	Overhead Customer Service Connections Investment Case	\$32.2M	\$52M
10.02.05	Overhead Links, Switches and Fuses Investment Case	\$21.2M	\$34.3M
10.02.06	Load Control Investment Case	\$22.3M	\$36.1M
10.02.07	Zone Sub Outdoor Busbar, Isolators and Disconnectors Investment Case	\$10.2M	\$16.6M
10.02.08	Zone Substation Transformers Investment Case	\$28.5M	\$46.2M
10.02.09	Reactive Plant Investment Case	\$ 4.1M	\$6.6M
10.02.10	Switchboards Investment Case	\$11.2M	\$18.2M
10.02.11	Surge Arrestors Investment Case	\$0.6M	\$0.9M
10.02.12	Stand Alone Power System (SAPS) Investment Case	\$52.2M	\$83.9M
10.02.13	Underground Cables Investment Case**	\$51.9M	\$84M
10.02.14	Underground Pits, Pillars and Cubicles Investment Case	\$8.8M	\$14.3M

Document Reference	Document Title	2024–29 Direct (\$FY24)	2024–29 Fully Allocated (\$FY24)
10.02.15	Voltage Regulators Investment Case	\$3.0M	\$4.7M
10.02.16	Instrument Transformers Investment Case	\$16.7M	\$27M
10.02.17	HV Ring Main Units Investment Case	\$39.7M	\$64.2M
10.02.18	Auxiliary AC/DC Systems Investment Case	\$5.4M	\$8.8M
10.02.19	Protection and Control Systems Investment Case	\$16.0M	\$25.8M
10.02.20	Distribution Power Transformers Investment Case	\$55.4M	\$101.2M
10.02.21	Electrical Network Telecommunications System Investment Case	\$16.5M	\$26.7M
10.02.22	Circuit Breakers Investment Case	\$21.5M	\$34.8M
10.02.23	Substation Buildings and Property Investment Case	\$10.6M	\$17.2M

*Note:*

*\* Includes Resilience spend for risk based composite poles (**Attachment 10.06.01**) and transition to composite poles*

*\*\* Includes resilience spend for risk based undergrounding (**Attachment 10.06.02**)*