

EPB Chattanooga — America's First Citywide Gig-Fibre Smart Grid

City Innovation Library · Good practice · United States of America

Quality score: 81/100

Evidence strength: Observational / pre–post

Summary

In 2009 the US DOE gave Chattanooga's EPB a \$111.5M smart-grid grant; EPB installed 1,200 automated sensors across 171 circuits, cutting outage minutes 40-60%; a University of Tennessee study credits the network with \$2.69B in benefit and 9,516 jobs over its first decade.

Key dimensions

Dimension	Score
Evidence of impact / measured results	3/3
Transferability / demonstrated replication	2/3
Scalability	2/3
Sustainability / continuity	3/3
Innovation	3/3
Inclusiveness / equity	1/3
Multi-stakeholder collaboration	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-15

[Electric Power Board of Chattanooga \(EPB\), with the U.S. Department of Energy and University of Tennessee at Chattanooga](#) — accessed 2026-08-15

[U.S. Department of Energy — EPB Chattanooga: A Smarter Electric Circuit \(case study\)](#) — accessed 2026-08-15

[Chattanooga Pulse — Economic Study Documents \\$2.69 Billion in Benefit from Community Fiber Optic Network](#) — accessed 2026-08-15

Cite this — Evidoria. *EPB Chattanooga — America's First Citywide Gig-Fibre Smart Grid*. Persistent ID: a48150d7-e880-494b-998e-b68829361be6.