Fischer, Laura

From: EPRI Energy Systems and Climate Analysis Group <eea@epri.com>
Sent: Tuesday, August 18, 2020 10:05 AM
To: Fischer, Laura
Subject: ESCA Newsletter and Research Highlights – August 2020

Laura,

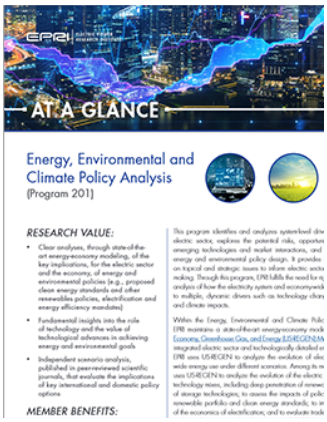
We hope you and your family are safe and healthy. We are pleased to offer the newest installment of the Energy Systems and Climate Analysis (ESCA) newsletter. Our website can now be found at http://esca.epri.com.

All announcements included in this email as well as past announcements can be found on the ESCA website.

ESCA Research Highlights

ESCA Research "At a Glance"

Interested in learning more about the breadth of research within the ESCA Group's portfolio? Check out our new research overviews that summarize our current focus!

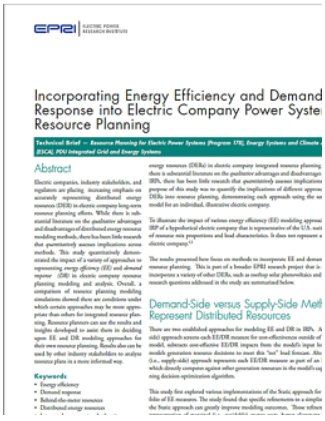


[Energy, Environmental, and Climate Policy Analysis]

[Resource Planning for Electric Power Systems]

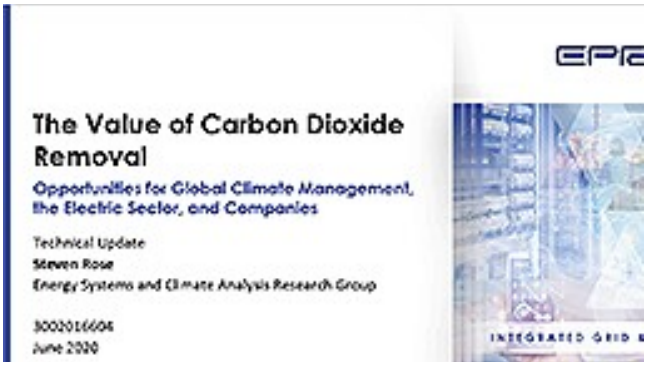
Tech Brief – Incorporating Energy Efficiency and Demand Response into Electric Company Power System Resource Planning

Electric companies, industry stakeholders, and regulators are placing increasing emphasis on accurately representing distributed energy resources (DER) in electric company long-term resource planning efforts. This study quantitatively demonstrates the impact of a variety of approaches to representing energy efficiency (EE) and demand response (DR) in electric company resource planning modeling and analysis. Resource planners can use the results and insights developed to assist them in selecting EE and DR modeling approaches for their own resource planning.



READ BRIEF

The Value of Carbon Dioxide Removal

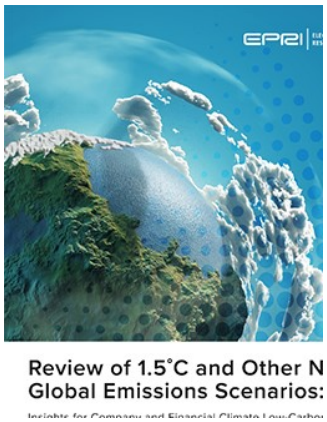


READ REPORT

Carbon dioxide removal (CDR) technologies represent a potentially potent, and possibly essential, strategy for helping manage future climate change and the possibility of rapid industry and company level decarbonization. This research explores and develops insights regarding the potential value of CDR technologies – to climate management, the electric power industry, and companies – and identifies additional research opportunities. For more information on this topic, please contact Steve Rose (srose@epri.com).

Review of 1.5°C and Other New Global Emissions Scenarios: Insights for Company and Financial Climate Low-Carbon Transition Risk Assessment and Greenhouse Gas Goal Setting

In May 2020, EPRI hosted a public launch event for a new report that provides insights for companies (electric and non-electric) on low-carbon transition risk assessment, scenario analysis, and greenhouse gas goal setting.



READ REPORT

View Presentation Materials

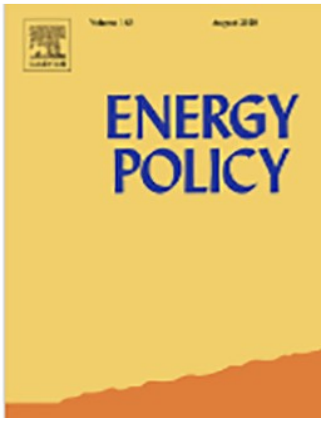
There is increasing interest in analyzing company and financial climate-related risk and/or setting greenhouse gas (GHG) goals, with third-party organizations offering

recommendations and methodologies. This research updates EPRI's 2018 study and assesses 1.5°C and other newer global GHG emissions scenarios and derives new insights as well as validates previous insights.

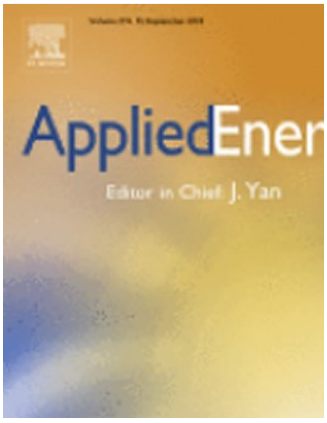
Among other things, the study finds that caution is merited regarding the use of 1.5°C pathways in risk assessment or goal setting, and that it is important to consider pathway attainability, uncertainties, and global scenario issues that make them problematic as benchmarks. By validating previous technical observations, we are assured that EPRI's insights and guidance are robust and a reliable basis for developing company methodologies, and evaluating third-party methodologies, now and into the future. For more information about this study and related research, please contact Steve Rose (srose@epri.com).

Peer-Reviewed Publications

The ESCA group routinely submits publicly available research to peer-reviewed publications. Recent articles include:



Electric sector impacts of renewable policy coordination: A multi-model study of the North American Energy System



Parameterizing open-source energy models: Statistical learning to estimate unknown power plant attributes

Member Center

The ESCA Group conducts its research as part of EPRI Programs 178 (*Resource Planning for Electric Power Systems*) and 201 (*Energy, Environmental, and Climate Policy Analysis*). Examples of recent program-specific research includes:

- Breakdown of Energy Storage Cost Estimates: 2020 Update (3002017939) – Project Set 178-A
- National Implications of Utility CO_2 Targets: 2020 Update (3002019004) – Project Set 201-B
- Affordable Clean Energy Rule CO_2 Emission Rate Metric Calculator v3.0 (3002019655) – Project Set 201-B

For more information about these programs, please contact David Young (P201) or Adam Diamant (P178).

Thank you for your continued interest in our work. If you have any questions please email eea@epri.com.

Best,

EPRI Energy Systems and Climate Analysis Group