



GE VERNOVA

HOW TO WIN SUPPORT FOR PLANNING SOFTWARE THAT MEETS THE DEMANDS OF A **COMPLEX GRID**

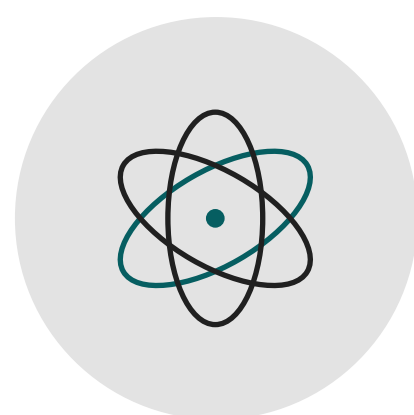


As electricity demand skyrockets and planning becomes more complex, utilities need integrated system planning (ISP) to replace traditionally siloed methods of planning. For the better part of the last century, planning has been done by siloed teams, soloed functions, and patchworked software tools.

But realizing the full value of ISP demands streamlined planning software, selecting the right software partner, and building internal support for its implementation and use. Follow these steps to get your team on the right path to think critically about the planning tools available.

STEP 1: EMPHASIZE THE IMPERATIVE TO CHANGE

Worldwide electricity use will climb **3500 TWh** by 2027, renewable generation will jump **10%** annually, and extreme weather increasingly threatens grid resilience. Utilities need new planning tools to manage complexity.



STEP 2: MOVE BEYOND SILOED PLANNING

Maintaining separate data sets and tools drives inefficiency, higher costs, and the risk of misaligned investment strategies.

STEP 3: DEFINE YOUR KEY DECISIONS

Good planning requires choices and prioritization. Define what you must demonstrate as a planner — from grid reliability under extreme weather and demand conditions to rapid interconnection to least-cost generation.

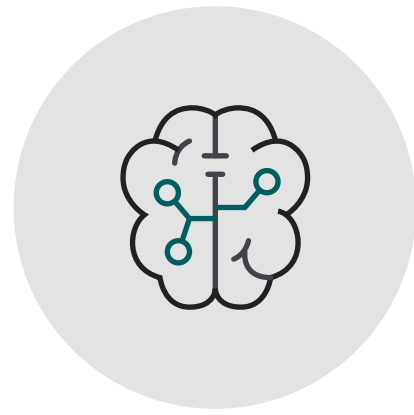


STEP 4: FULLY VET VENDOR CAPABILITIES

Can the planning software forecast economic operations, simulate physical grid behavior, assess reliability under all conditions, and use stochastic tools to model capacity expansion? More importantly, can your software handle all of those capabilities in a single platform?

STEP 5: MAKE THE CASE INTERNALLY

Quantify how ISP benefits customers, regulators, and communities, including **20%** gains in capital efficiency, **15–30%** outage duration reductions, and accelerated progress to decarbonization.



STEP 6: UNDERScore BLACKOUT RESILIENCE

Powerful and accurate planning software helps teams tackle utilities' worst-case scenario — extended blackouts — by stress-testing systems, reliably integrating renewables, and helping identify grid weak points before they result in an outage.



Contact GE Vernova to learn how PlanOS can enhance grid planning to help ensure reliable, affordable, and resilient power delivery in an era of growing complexity.

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