A Call to Action: The Coalition on Data Center Flexibility

Our nation's electric grids are at extreme risk

To meet the current and expected demand for computing power, the US will need to develop **38 GWs of additional data centers by 2030**[1]. If we continue to build traditional data centers, this trajectory will jeopardize our ability to stabilize and decarbonize our electrical grid, a critical component of the US' net zero goals.

Fortunately, there's a better path forward: advances in technology across the data center, including its energy assets, can make data center development and utility system planning complementary and mutually beneficial.

→ **SIP is forming a consortium** to raise awareness among utility stakeholders of new practices for data center interconnections that can be additive to system planning by designing around the currently underutilized flexibility of data centers.

WELCOME TO
THE FUTURE OF DATA CENTERS SUMMIT
JUNE 1, 2023
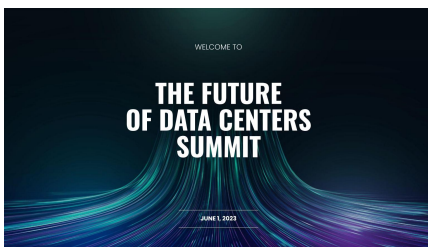
With roots in Alphabet and as owners of the country's largest virtual power plant, SIP has been evaluating the role that data centers have in energy for several years. SIP's Future of Data Center Summit identified the need for tighter interaction between data centers and utilities, and forming this consortium is a next step in finding solutions for these challenges.

Dominion Energy admits it can't meet data center power demands in Virginia

The high-voltage lines simply can't handle more power, says the utility

Santa Clara's Data Drain
Santa Clara has a power problem.

While Silicon Valley Power (SVP) is in the process of increasing its load to 1100 MW, it's a 10-year plan to get there and what happens after that is going to be difficult.

With many regions officially or unofficially pausing new data center interconnections, utilities are actively looking for new solutions and input on how to accommodate the increase in demand growth. To meet the market now, SIP is seeking to confirm initial consortium members by early to mid February and publicly announce the consortium by March.

[1] Boston Consulting Group estimate by 2030.

Maximizing Outreach and Messaging

 |sip⟩

## Launching an action-oriented coalition at a critical moment

The consortium will bring together leaders from across the data center and energy sectors to discuss these important topics and drive concrete action.

We will kick off the consortium with an introductory working session in mid February to align on the goals of the group's collective efforts and to discuss a plan to publicly announce the launch of the consortium in March.

For our initial project, we envision publishing a white paper that outlines the challenges and opportunities of establishing a more integrated data center and utility development approach. Future efforts of the consortium could include additional publications, supported work by consortium members, and the creation of a working group of utilities to implement these practices in the built environment.

SIP's track record in ecosystem convening

White Paper	Public Events	Cohort and Working Groups
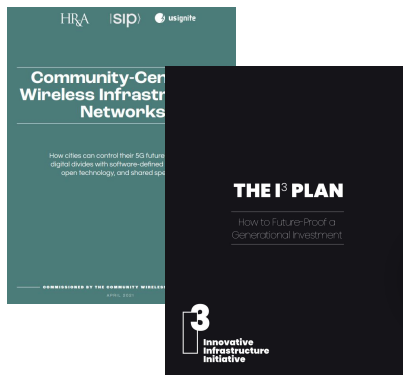
SIP has led similar white paper efforts around public-private partnerships for wireless networks and policy changes for supporting new infrastructure.

SIP partnered with Governor Gretchen Whitmer to announce a first-of-its-kind innovative road development project with Michigan's Department of Transportation.

SIP founded the Innovative Infrastructure Initiative (I3), which convenes local leaders across the country to develop new procurement strategies for transformative projects.

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