Surplus Interconnection Service (SIS)

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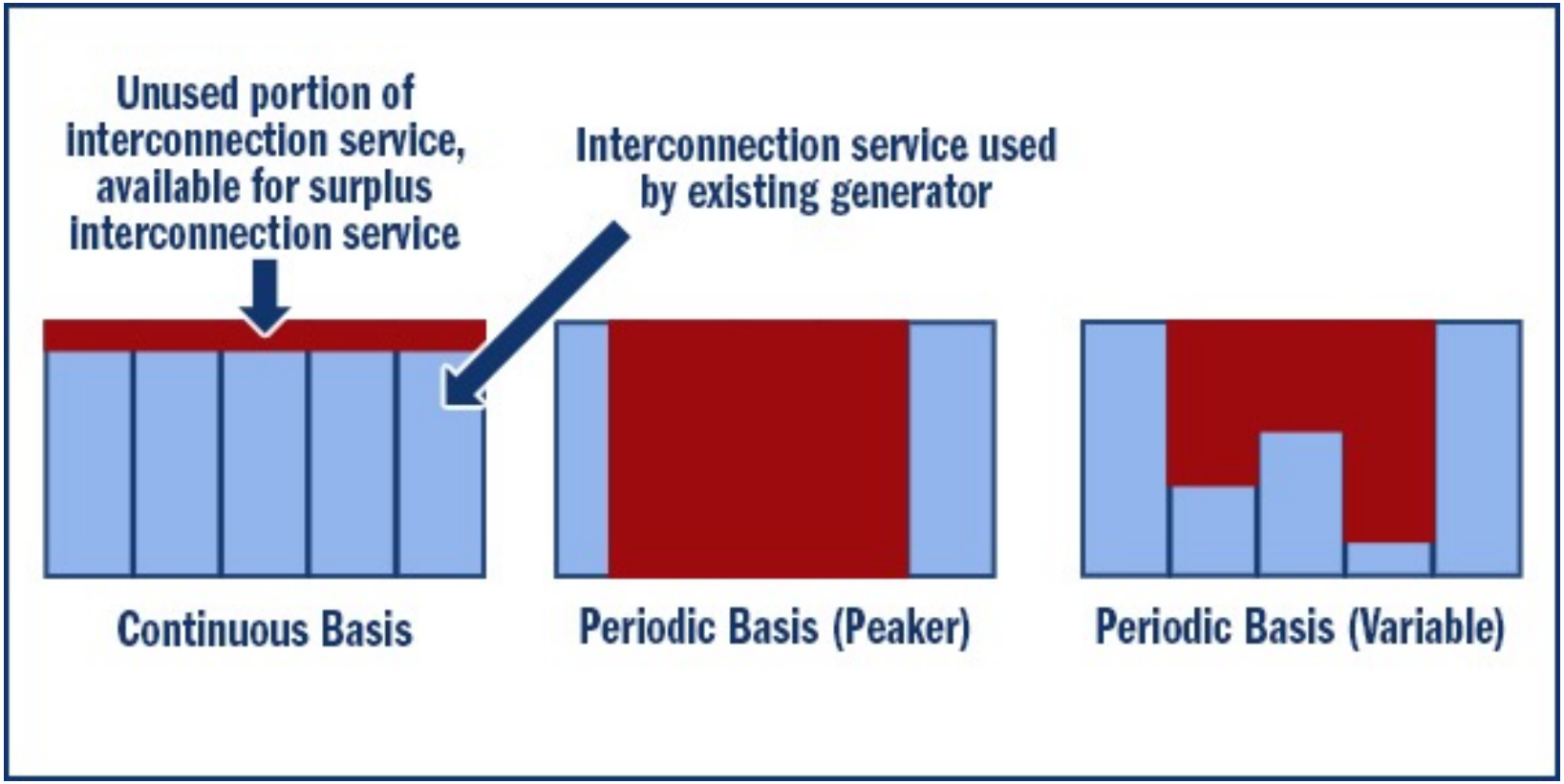
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What is SIS?

- Established under FERC Order No. 845 (2018); advanced under FERC Order 2023
- **Maximizes grid capacity:** Allows new resource to use the unused interconnection capacity of an existing facility (>20 MW)
- **Speed to power**: Projects avoid standard interconnection queue; <1 year vs 5-year timeline
- **Generator and resource agnostic:** Allows addition of new, low-cost resources at existing plants

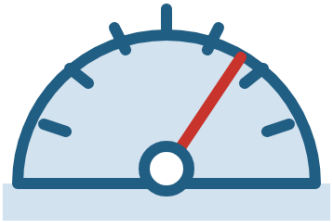


SIS Projects Can be Deployed in Multiple Scenarios



Source: RTO Insider

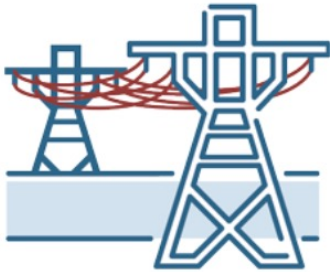
Benefits of SIS



Speed to Power



Lowers Project Costs



Avoids New Transmission



Minimizes Land Use



Enhances Reliability

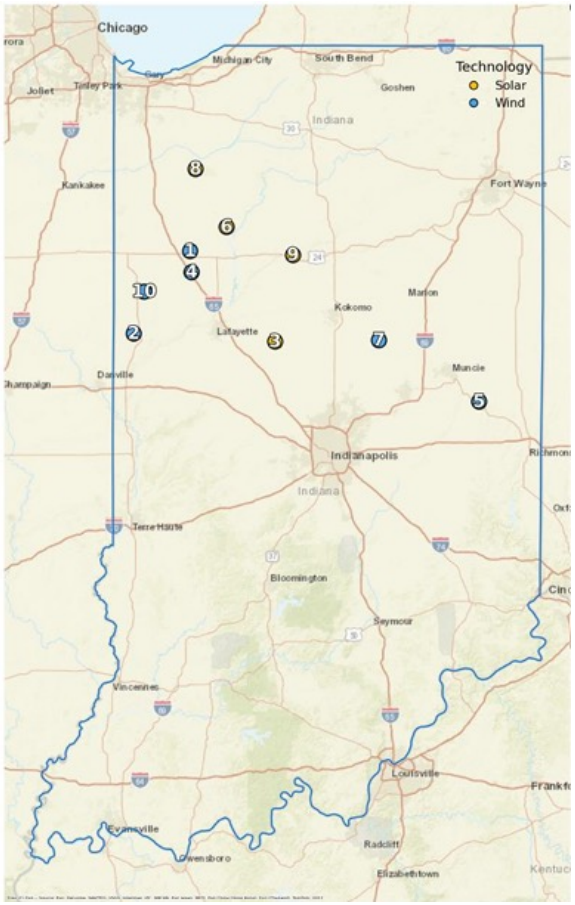
Case Study: Indiana Can Meet Near-term Demand via SIS

- **12 GW**

  Total potential at existing sites that operate <1/3 of all hours (i.e. <33% capacity factor

- **10.2 GW**

  at Indiana's 20 most promising existing thermal + renewable sites



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What Can States Do?

Mechanism	Implementation
Planning requirements	States can require utilities to consider SIS projects in their integrated resource plans (IRPs), power plant applications, or other regulatory proceedings.
Regulatory consideration	Regulators can ensure that the reliability and capacity benefits of SIS projects are properly considered in utility resource planning.
Economic development incentives	State economic development offices or programs can consider economic incentives to develop SIS projects and ensure SIS projects qualify under other energy incentive programs.
Permitting and siting	Regulators can expedite permitting and siting rules for SIS projects and remove barriers to SIS in existing regulations, such as zoning requirements prohibiting colocation.

- **Indiana – S 240 (2026)**
  - Utilities must evaluate SIS at their own facilities within IRP.
  - Utilities must consider SIS projects as alternative to receive CPCN
  - Requires IURC to study SIS potential
- **Virginia – HB 1065 (2026)**
  - Utilities must assess available interconnection capacity at intermittent generating facilities
  - Establishes a 100-500 MW pilot program, including RFPs for energy storage at solar facilities

Thank You!

Get in touch:

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