

## Post Annual Meeting Q&A

**Q: As Alliant Energy and other electric utilities decrease use of fossil fuels such as coal, this also decreases the amount of rotating mass currently provided by the large generators on the system. As these large rotating mass generators are retired and replaced by solar and wind and other renewable resources which do not provide rotating mass and fault current, how will Alliant Energy provide adequate levels of fault current for starting motors and achieving adequate relaying protection?**

A: We operate within the Midcontinent Independent System Operator (MISO) footprint. MISO, as the Reliability Coordinator, has responsibilities to ensure the reliability and stability of the Bulk Electric System (BES). They, along with the Transmission and Generator Operators, follow standards requiring that adequate voltage and frequency schedules are maintained. MISO approves the addition or removal of assets (coal, natural gas, wind, solar, batteries, etc.) from the system.

Prior to a generating unit being retired, MISO completes a review of the BES to ensure that a unit retirement is not needed as a system support resource for system reliability. Combined cycle natural gas generating units power up quickly and so pair well with renewables to provide system stability. We have added combined cycle natural gas facilities, which have the ability to back up our renewables and ensure there is installed spinning reserve to provide voltage and frequency stability.

Additionally, wind farms are able to provide voltage support for the BES through the addition of Dynamic Volt-Amp Reactive (DVAR) systems to stabilize the wind generation output to the BES.

**Q: Are you going to maintain Columbia and Ottumwa? Are coal prices high or low now? I would hope you maintain and not rely entirely on wind, solar and gas, but continue to have diversification with coal. I realize the commitment to ending by 2050, and I realize that it may go away a few years sooner, but I hope that you maintain the current baseload plants.**

A: Generations of employees have safely and effectively maintained our coal facilities that have provided cost-effective and reliable power that has benefited our customers and communities for decades. In Wisconsin, we recently announced our intent to retire the Edgewater unit 5 coal generation facility. We continue to own and operate a few other coal-fired facilities in our service territory, including Columbia and Ottumwa.

Each of our energy companies has been transitioning its generation fleet based on the best, low-cost energy resources for our customers. With renewables, there are no associated fuel costs and the expense to operate and maintain renewables is less than

coal-powered generation. In addition, our coal generating stations require investments to maintain reliability and meet environmental regulations.

Our customers want the benefits of cleaner, renewable energy and we continue to evaluate our generation portfolio to deliver the best solutions for them. In addition to energy from the sun, water and wind, our electricity comes from various sources and fuels, including natural gas and coal and continue to evaluate new alternatives for energy storage, such as batteries. We are committed to providing cost-effective and reliable service to our customer and communities.

**Q: Why did the annual report mention NEW coal plants, if that is not the plan?**

A: Our annual report includes highlights of our investments in wind generation, solar generation, our energy grid, and our communities. We have no plans to build new coal facilities.

**Q: Why would the voting have to precede the Q&A session? That seems unfair.**

A: Our annual meeting serves two important functions: (1) meeting formal legal requirements associated with a corporate annual meeting and (2) providing our shareowners a chance to ask questions of management. The meeting is set up to meet all the formal requirements before turning the meeting over to shareowners to ask questions. This allows a discussion between shareowners and management without interruptions for formal legal requirements.