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**CHP for Resiliency Accelerator Partner Profile**

## 1. Resilience Planning

In 2015, the Division of Energy developed a [Comprehensive Energy Plan](#) for the state of Missouri that included a number of actions that could help the state diversify and promote the security of energy supply. The plan includes recommendations specific to CHP, and proposes an examination of the potential for CHP at all current and planned state facilities, promotes public-private partnerships to develop CHP, and suggests establishing cost-based standby rates and interconnection standards that reflect best practices for CHP.

The Division is focused on enhancing economic development activities by promoting the combined energy efficiency and resiliency benefits associated with CHP. The role of CHP in providing energy resilience for critical facilities during electric outages caused by severe weather or other natural disasters is a key area of emphasis.

On a broader scale, the State of Missouri has adopted an initiative to move beyond emergency support functions to intermediate and long term recovery support functions (RSF) by establishing interagency working groups. The goal of this collaboration is to improve ongoing response efforts in the areas of infrastructure, health and social services, housing, economic, natural and cultural resources, and community planning. As a participant in the RSF working groups, the Division of Energy highlights the role of CHP technologies in providing secure energy solutions.

## 2. Program or Project Implementation

The Division of Energy is focusing its CHP awareness and outreach efforts in the institutional sector, specifically hospitals, universities & colleges, correctional facilities, and residential care facilities. As part of these efforts, the Division has enabled feasibility assessments for resilient energy solutions by hosting and participating in workshops, such as the [Eastern Missouri Combined Heat and Power \(CHP\) Summit in 2018](#), and engaging with US DOE's Central CHP Technical Assistance Partnership, which has provided no-cost technical assistance for healthcare and other facilities, including DePaul Hospital Missouri correctional facilities.

The Division is also working with utilities and the public service commission to address barriers to CHP. This includes recognizing CHP as an energy efficiency measure that can contribute to the state's efficiency targets and intervening in utility rate cases to facilitate non-discriminatory standby service tariffs for CHP technologies. Further, the Division recommended authorization for Spire (a natural gas company serving customers in Missouri, Alabama and Mississippi) to assist customers with deploying CHP to serve critical loads and offered guidelines for utilities to support and co-deliver CHP programs in the state.

## 3. Lessons Learned

The Division of Energy recognizes there is often a general lack of awareness and understanding of CHP technology in the public sphere. Deployment of CHP in Missouri is limited by lower than average electricity costs in the state, lack of financing support to overcome upfront capital costs, and the absence of in-state CHP service providers. It is challenging for regulatory staff to prioritize CHP issues among other important issues, and large investor owned utilities in the state do not offer programs that encourage adoption of CHP. Still, raising CHP issues through regulatory processes at the PSC makes incremental but lasting progress, and gives all interested parties an opportunity to [intervene and comment](#).

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Moving forward, the Division plans to highlight in-state CHP project profiles and focus on the resiliency and economic benefits this technology provides to critical public service facilities. The Division has also realized the importance of having a CHP champion on staff and credits the [Midwest CHP Technical Assistance Partnership \(TAP\)](#) as an invaluable resource.

**4. Additional Information**

- ▶ [Missouri Comprehensive State Energy Plan](#)
- ▶ [Missouri Department of Economic Development Division of Energy CHP webpage](#)
- ▶ [Missouri State of CHP Page](#)