Pilot Credit 3

PEER | PERFORMANCE EXCELLENCE IN ELECTRICITY RENEWAL

Safety First: Accelerate Digital Transformation

This pilot credit applies to

- Cities and Utilities (1 point)
- Campuses (1 point)

Intent

To promote best digital practices that reduce manual operations and enhance data driven control and optimization of electrical equipment.

Requirements

- Enhance cyber secured digital ways of working, supporting remote workers and to organize official meetings online.

- Leverage technology like industrial wearables to better monitor and optimize power system operation (OR) Install/develop a dedicated online platform to remotely capture real-time asset health with the use of smart sensors.

- Generate predictive failure or system inefficiency notifications to operators by implementing data analytics solutions and communication systems which are cyber secured.

- Adapt to a new digital vision in connecting employees with customers to assess customers' attitudes about service quality and performance and enhance the customer experience.

Credit Documentation/Submittals

Documentation
Provide narratives describing the: • Measures taken to support remote working for employees. • Implementation of industrial wearables for employees or online platform for real-time asset health monitoring, providing predictive failure or system inefficiency notifications – along with images. • Best practices in engaging digitally with customers, to assess their satisfaction on about service quality and performance.
Submit a copy of the cybersecurity policy considering the digital transformation (remote working, online platform or industrial wearables) incorporated by the project.

Questions to be included in the Pilot Credit Survey

- Has your project faced any major challenge due to the pandemic and if yes what are they?

- Does your project currently have an officially approved pandemic preparedness plan for enabling cyber secure digital ways of working? If not, do you intend to develop a plan or update an existing plan in the next 1–2 years?

- Do these requirements provide guidance on implementing best digital practices for your project?

- Are you implementing any additional strategies for digital transformation, which is not captured in the requirements?

- What were the major challenges faced in incorporating digital technologies in your project operation?

Background Information

New combinations of digital technology are delivering decisive advances in customer experience, and operational efficiency across power system operations. Digital transformation should drive positive outcomes for cities, utilities, and campuses which will enhance the power system performance.

Access to real time information and remote management of electrical equipment through digital transformation not only enhances power system reliability, but also increases savings through operational efficiency.

As we navigate from current work environment towards a remote way of working, we want to help all employees to be:

- Safe and healthy
- Digitally prepared

So, projects can leverage digital technologies like industrial wearables or can implement cyber-secure online platforms connected to sensors and data analytical solutions to better monitor the power system and provide real-time asset heath information to project operators.

Intelligence and meaningful data availability have historically been key factors in bringing about paradigm shifts, and there is vast promise in what digitalization can bring to the power ecosystem.