



NUCLEAR POWER UPDATES

In increasing numbers, nuclear power plant licensees are embarking on power uprate projects to increase the electrical generating capacity of existing nuclear assets. Many significant benefits accrue to these efforts including the delay or avoidance of new generating capital projects and the many costly activities that accompany them. Uprate projects take advantage of existing site characterization, NRC operating license, state and local regulatory approval, existing plant equipment and infrastructure, engineering and operating staff, etc. There now exists within the NRC an established process for the efficient and predictable review and approval of plant uprate applications; indeed many uprates have received NRC approval. These strategies are expected to be important considerations as operators of nuclear power plants seek cost effective solutions to meeting customer power demands.

For a plant uprate project to be successful, project leaders and technical professionals with existing uprate experience will be essential in the Project team makeup. HukariAscendent is the source for such experience. Our highly talented and seasoned resource base includes nuclear professionals with solid experience in power uprate projects. Our support capabilities range from licensing and regulatory compliance assistance, to engineering, design, safety and reliability analyses.

HukariAscendent resources have direct experience supporting *Measurement uncertainty recapture (MUR) uprates and Extended power uprates (EPU)*; experience that will also be applicable for *Stretch power uprates*.



Representative areas of support in which our resource base has been actively involved in commercial nuclear power plant uprates include the following:

- Project Management
- Determination of design and licensing requirements
- Licensing Amendment Request development
- Technical Specification changes
- Design criteria development
- Development of design change packages
- Procurement specification development
- Major component replacements (turbine/generator, feedwater heaters, large components)
- Instrument scaling and set point calculations
- Reactor power and heat rate calculations
- Accident analyses
- Coordination of technical disciplines
- Piping analysis
- Outage management
- Procedure changes
- Budgeting/Scheduling