



**DOWNES ASSOCIATES INC**  
Engineering & Management Consultants

## **Electrical Substation Engineering and Design**

The DAI engineering staff has performed the fully integrated electrical, civil, and structural design and technical support services for distribution and transmission substations for over forty years. Our clients have included over twenty utilities throughout the eastern United States. Transmission and subtransmission design voltages have included 138 KV, 115 KV, 69 KV, 34.5 KV, and 24.9 KV. Distribution design voltages have included 2.4 KV, 4.16 KV, 12.47 KV, 13.8 KV, 24.9 KV, and 34.5 KV. Our design staff is fully knowledgeable of and trained in the requirements of the NEC and NESC as well as the good utility practice design standards of numerous large investor owned utility companies and the national RUS design standards. Our forty years of design expertise is further enhanced through the use of ETAP™ engineering and modeling software and the design software of PLS-CADD™ and STAD3™. All of our design work and final drawings are performed in AutoCAD 2000 and 2005™.

### **Additional Questions?**

We are here through every step of the process, including the information gathering stage. In fact, we understand this to be one of the most important aspects of locating a consultant capable of handling your project.

Call Today! (410) 546-4422