



June 16, 2014

# STP Nuclear Operating Company

---

License Renewal



# Overview

---

- Generating capacity of approximately 2,700 MWs, the state-of-the-art facility is one of the nation's newest, largest nuclear plants
- Large, dual-unit pressurized water reactor facility
  - Westinghouse 4 loop technology
- Located on a 12,200-acre site on the Colorado River
- 7,000-acre, above grade, off-channel, main cooling reservoir, sized for four units
- Commercial operation began in August, 1988 and June, 1989, respectively





# Company Structure

---

## ➤ Ownership Structure

- 44% NRG Energy
- 40% CPS Energy (San Antonio)
- 16 % Austin Energy



## ➤ Operated by STP Nuclear Operating Company

- Non-stock, non-profit, non-member corporation

## ➤ NRC license

- 40 year licenses, expiring in 2027 and 2028
- Applied for 20 year renewal in October 2010





# Current Status

---

- The Atomic Energy Act of 1954 permits nuclear plants to renew operating licenses
- License renewal application submitted to NRC in October 2010
- Received the Final Safety Evaluation Report (Feb. 2013)
- All applications held in abeyance while NRC adjudicates Waste Confidence Ruling
- NRC resolution of Waste Confidence Ruling is on track for October 2014.
- The NRC conducts a rigorous review during the license renewal process
- Nuclear energy facilities in the United States are initially licensed to operate for 40 years



# Background

---

- NRC's renewal review is a detailed process that typically takes 30 months
- NRC has renewed 73 operating licenses of 100 power reactors with 18 more in review
- STP developed the License Renewal Application in collaboration with the Strategic Alliance and Resource Sharing partnership, a group of seven nuclear facilities