



Powering Our Future

SaskPower

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Saskatchewan's Growth

- **Growth rate:** 3.1% (third highest in Canada)
- **Full time employment:** 11,400 new jobs in 2012
- **Housing starts:** 10,000 estimated in 2013, again in 2014
- **Customer quotes for new connects (requests for new service):**
 - 2012: 10,466
 - 2011: 10,238
 - 2010: 8,760



Saskatchewan's Challenge

- **Challenge:** Increased demand; need to replace, rebuild, renew entire system; federal regulations = new clean coal
- **Increased demand:** Power usage increase of 2.9% annually
 - Plan to take capacity from current 4,100 MW to 5,500 MW by 2033
 - Adding 3,300 km of distribution lines over next five years (currently 153,000 T&D lines in our system)
- **SaskPower's plan:** multi-year, \$10-13 billion investment to renew and improve system, meet future demand



Renewal and Replacement

- **System renewal a priority:** over 150,000 km of power lines, 30-50 years old
- **Power line maintenance:** nearly \$150 million spent (up 57% over five years) in 2012
- **Outages:** Investing in infrastructure; new channels to communicate causes and duration
- **Upcoming renewal projects:**
 - Upgrades in Pelican Narrows and Cumberland House
 - Renewal of urban distribution lines
 - Reinforcement of system in Saskatoon area
 - Replace infrastructure in Swift Current, Maple Creek (oldest in Sask)
 - Elizabeth Falls

Building For Our Future

- **Queen Elizabeth upgrade:**
 - Construction in 2013, commissioned fall 2015
- **I1K transmission line:**
 - \$385 million
 - Accommodate increased demand in northeast Sask
 - Upper section online late 2014
 - Lower section summer 2015
- **Saskatoon transmission reinforcement:**
 - Three transmission lines, two switching stations (Aberdeen and Martensville), one substation

Building For Our Future

- **Carbon Capture and Storage:** world's first large-scale, post combustion, commercial grade facility
 - Boundary Dam 3 online September 2013, full commercial operation April 2014
- **Carbon Capture Test Facility:** collaboration with Hitachi, neutral platform to validate technology; construction spring 2013
- **Global Consortium:** pursue international opportunities to share knowledge



Working Together

- **Conservation programs:** as of the end of 2012, customers have saved enough to power 46,000 homes
 - Ex. ice rink program, seasonal lighting, Small Power Producers program, net metering
- **Advanced Metering Infrastructure:** field test complete, project continues
 - No more estimates
 - Future improvements to outage communication and duration
- **New ways to contact us:** online and mobile services
- **Right of Way:** community support to build and renew infrastructure (ex. need access to land)
- **Rate increases:** infrastructure growth, maintenance
 - **Rate Review Panel:** “Productivity ... may help mitigate future upward pressures on rates, but would not eliminate the need for future rate increases given the magnitude of the investments SaskPower must make ... to deliver a reliable supply of electricity.”

Working Together

- **Flood preparation:**
 - Unplug and move portable items
 - Turn off main power (not if you have to step in water!)
 - Licensed contractor to shut off gas
 - SaskPower may disconnect power at or near flooded areas for safety of personnel and equipment
 - Watch for information on saskpower.com, Facebook and Twitter (@SaskPower)

