Seven strategies within the plan include:

- Deliver power safely
- Improve reliability
- Increase sustainable power supply
- Ensure fair and competitive rates
- Improve Member satisfaction
- Improve Employee satisfaction
- Cultivate a strong and effective Board /Staff team
Increase Sustainable Power Supply

- Reduce electrical power generation greenhouse gas emissions to 1990 levels, which will result in over 50% of generation from renewable sources
- Diversify energy sources
- Increase conservation and demand-side management
KIUC 2007

KIUC 2007 Net Sales 498,080 MWh

- KIUC Renewables: 0.3%
- PPA: 5.1%
- SHW: 1.6%
- DSM: 4.3%
- Fossil Generation: 88.6%
Net Energy Metering

- 35 systems installed in 2007 with a generation capacity of 239kW
- 76 systems installed since 2001 with a total generation capacity if 377kW
Solar Hot Water Programs

- KIUC Rebate Program installed 66 systems
- KIUC Zero Interest Loan Program installed 50 systems
- KIUC Solar Water Heating Savings Program installed 0 systems
Renewable Project

* PUC approved PPA for the 6.4MW Green Energy Biomass Project
  – Project awaiting County permits
  – Construction projected to start in April and targeted to be online no earlier than Dec 31, 2008, and no later than Dec 31, 2010
* 10-12.5MW wind project has reached agreement with land owner and site assessment is underway
  – System feasibility study to begin shortly
  – Will likely include energy storage system
* In discussions with Gay & Robinson to purchase electricity from their proposed biomass to energy project
* 130kW hydro unit scheduled to be online in 2008
* Conducted initial biodiesel testing. Working towards future testing, integration and storage plan.
Possible Generation mix in 2020

KIUC 2020 Net Sales 671,175 MWh

- Fossil Fuel: 44%
- Biomass: 24%
- Hydro: 11%
- LFG: 2%
- Solar: 5%
- Wind: 5%
- Biofuels: 5%
- DSM: 4%