



The power of human connections®

2008 HEPF House & Senate Energy Committee Briefing

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KIUC 2008-2023 Strategic Plan

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



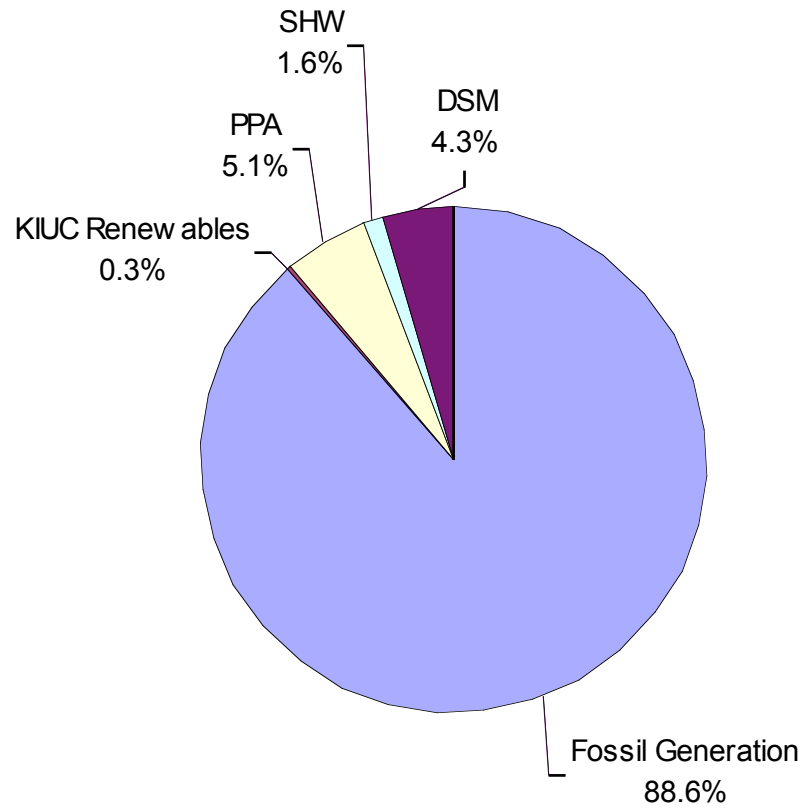
Increase Sustainable Power Supply

- ★ 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



Net Energy Metering

- ★ 35 systems installed in 2007 with a generation capacity of 239kW
- ★ 76 systems installed since 2001 with a total generation capacity of 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 it 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

