Jeffery C. Allen
Chair
Idaho

Ed Schriever
Idaho

Doug Grob
Montana

Mike Milburn
Montana

Northwest **Power** and **Conservation** Council

KC Golden
Vice Chair
Washington

Thomas L (Les) Purce
Washington

Ginny Burdick
Oregon

Louie Pitt, Jr.
Oregon

January 30, 2024

MEMORANDUM

TO: **Council Members**

FROM: **Jennifer Light**

SUBJECT: **Discussion with Northern Idaho Utilities**

BACKGROUND:

Presenters: Representatives from Northern Idaho Utilities will discuss issues related to the Council's work, the Bonneville Power Administration, and other relevant topics.

Relevance: The Council is starting to prepare for its ninth power plan, and staff are actively tracking and coordinating with Bonneville on its various post-2028 processes and the ongoing resource program analysis. Throughout these efforts, it is important to continue to understand what is top of mind for regional stakeholders.

Kootenai Electric COOPERATIVE

CLEARWATER POWER

NLI NORTHERN LIGHTS, INC. The power of local service

Presentation to NWPCC Council

Jim Robbins – KEC Director

Steve Klatt – NLI Director

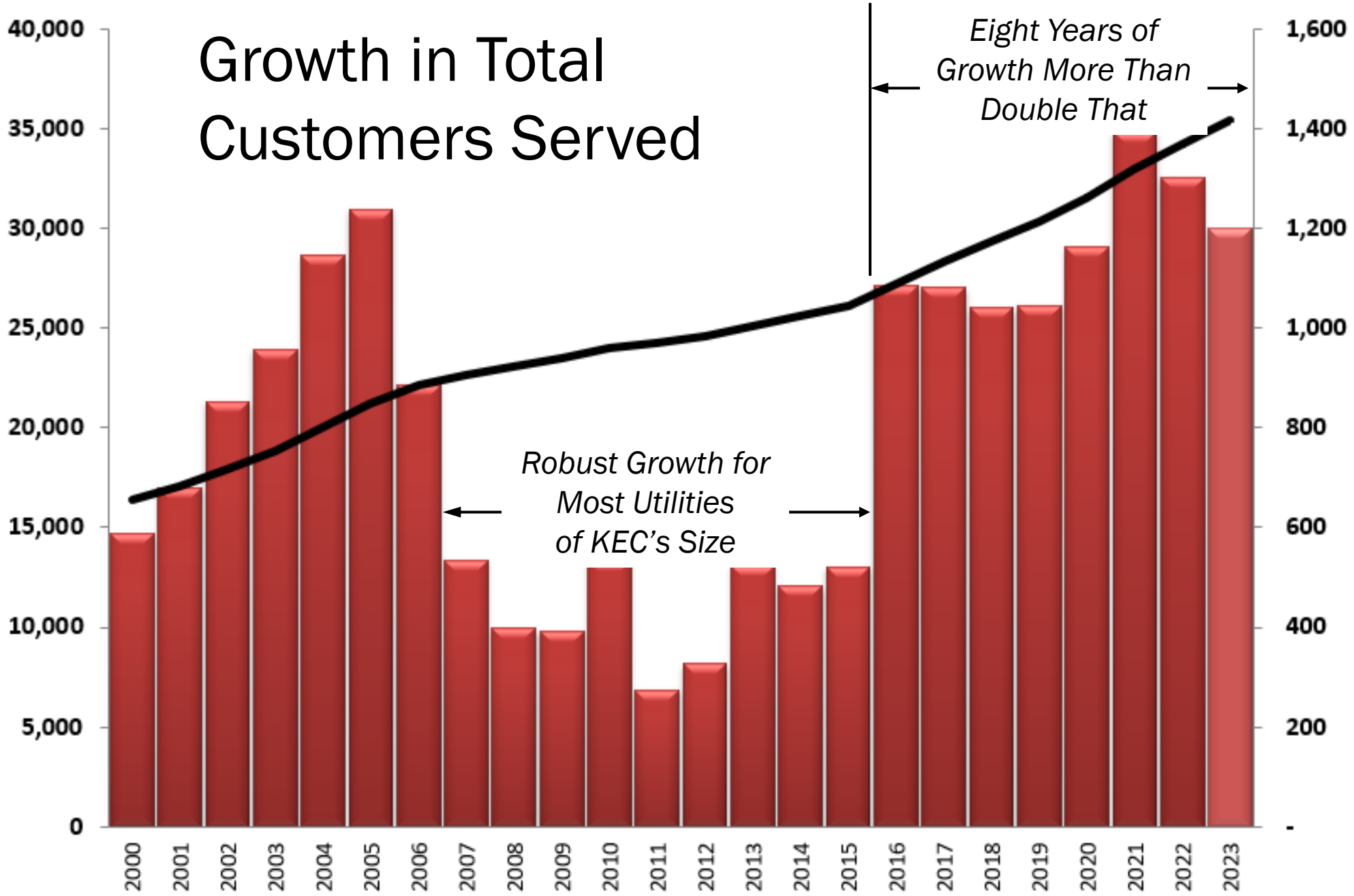
Jeff Copeland – Clearwater Director

Our Mission:

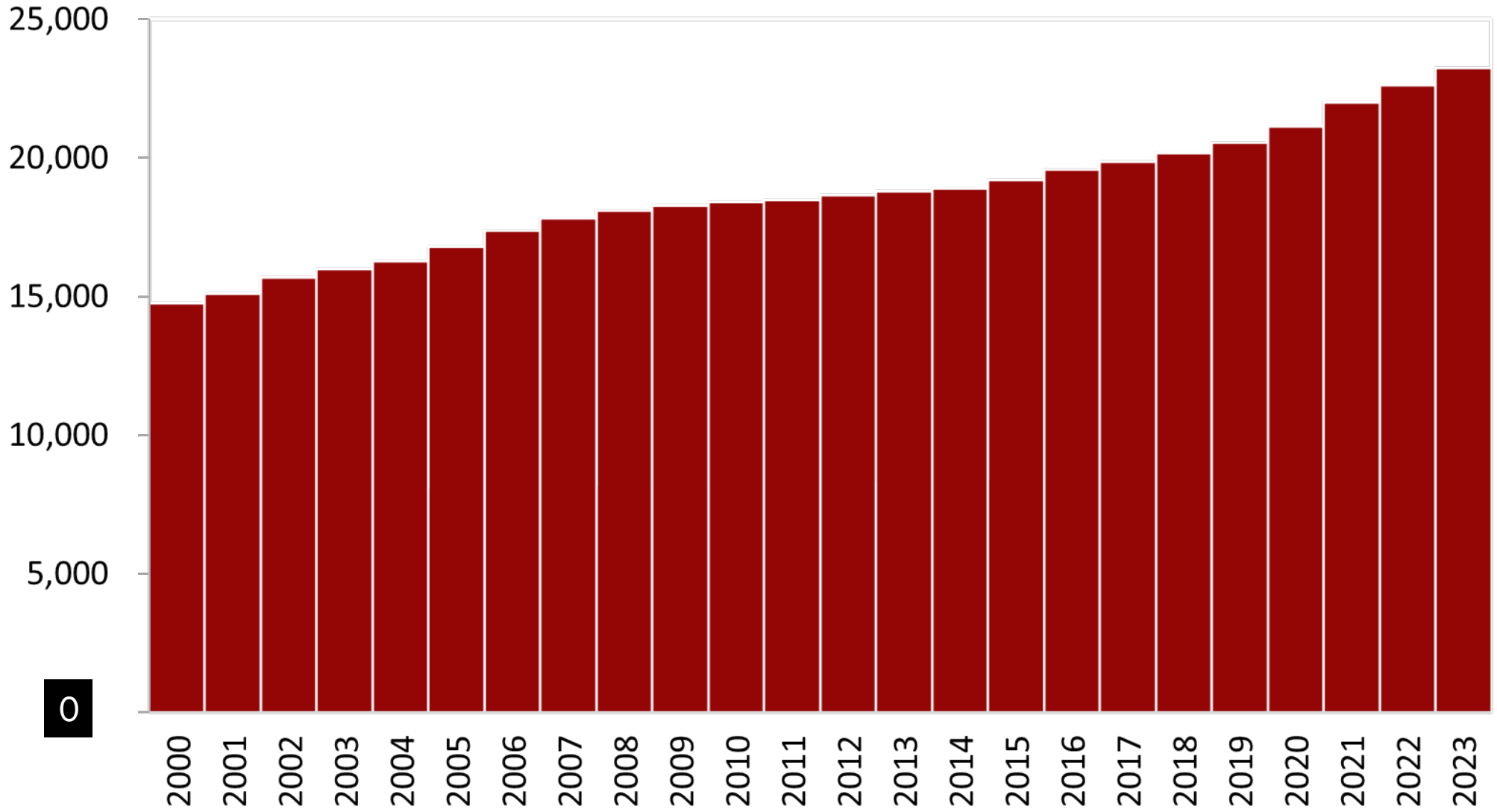
- Exceptional Service
- Reliable Power
- Competitive Rates

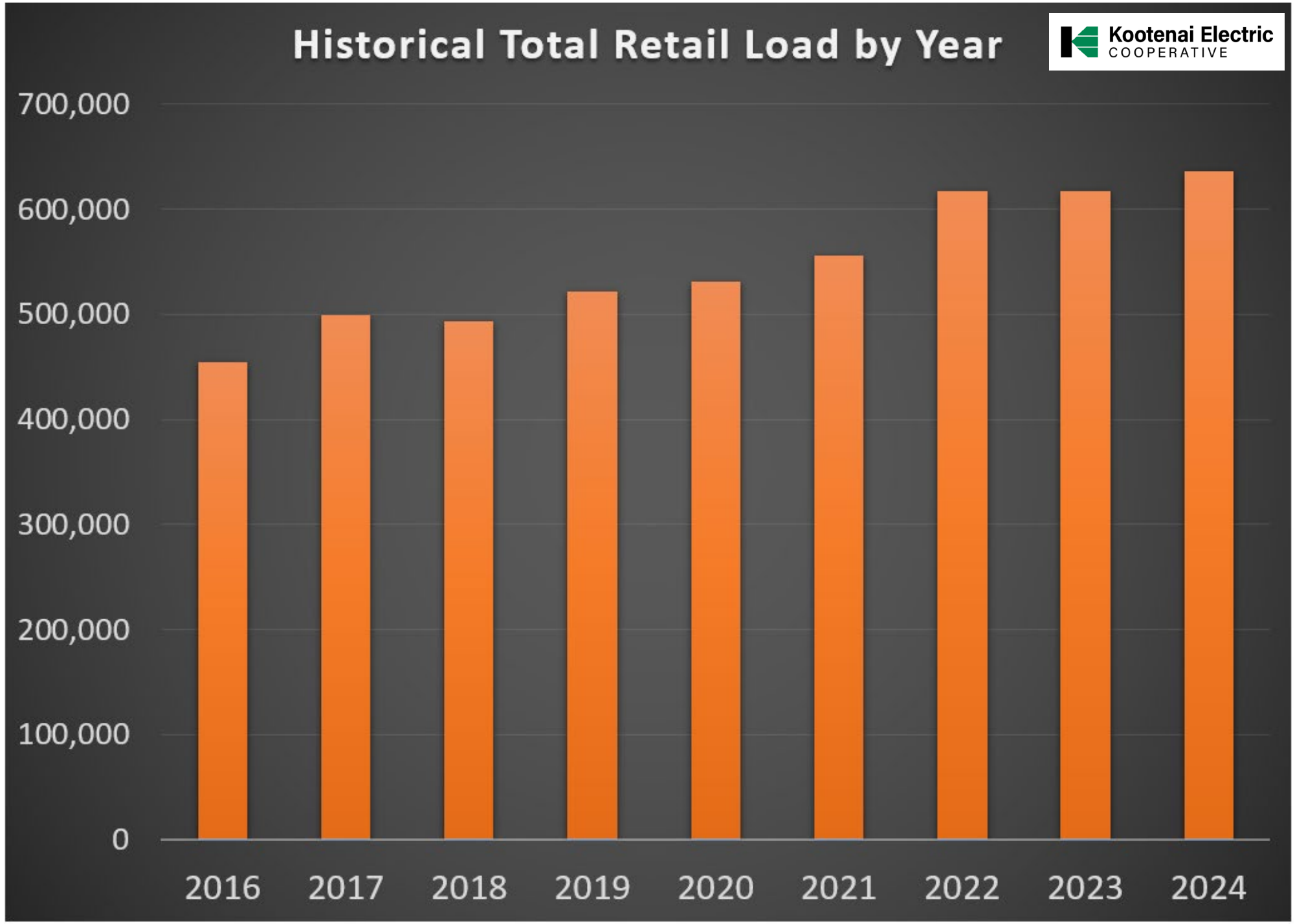
Kootenai Electric COOPERATIVE

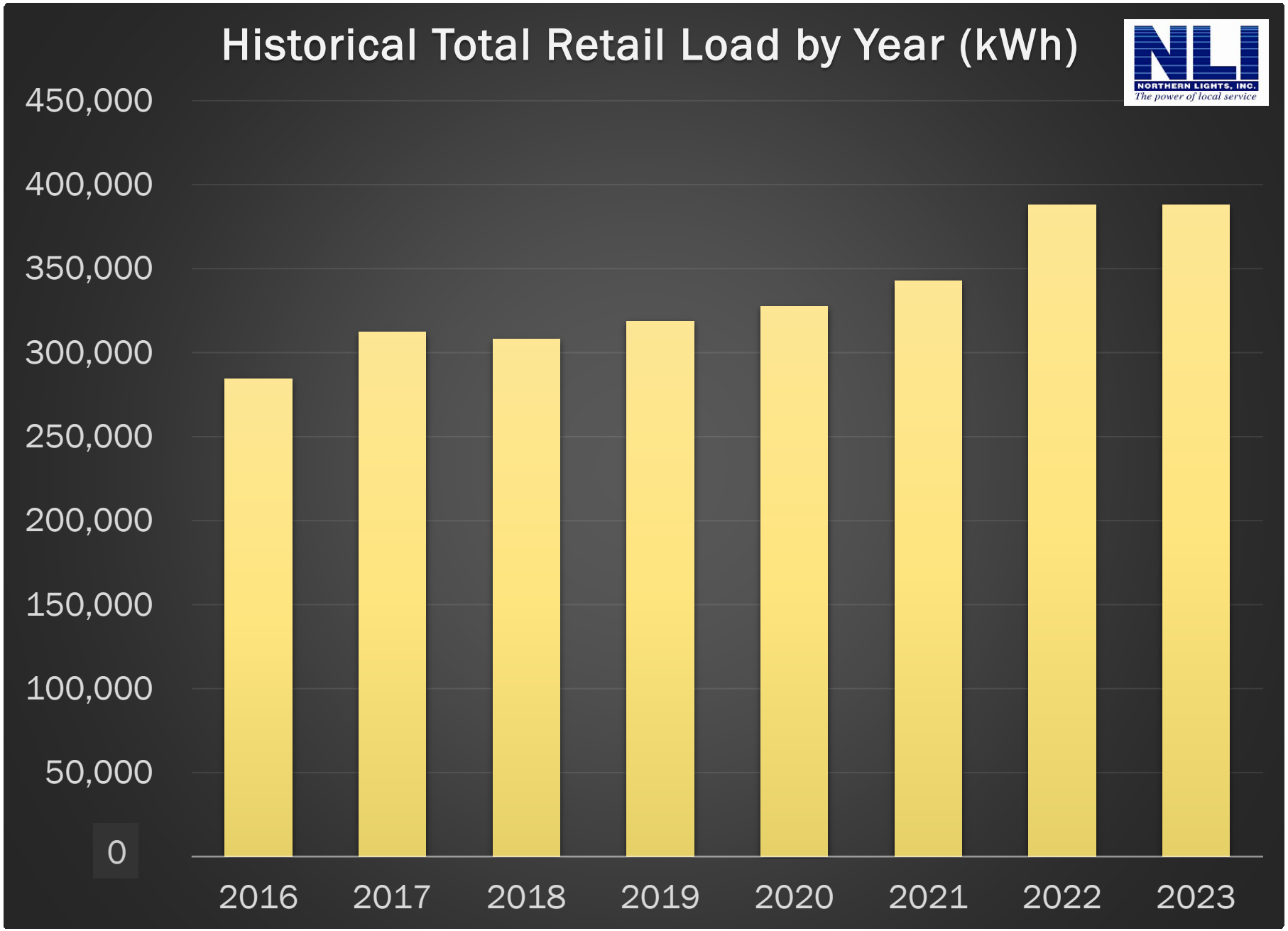
Growth in Total Customers Served



Total Members Served




Historical Total Retail Load by Year
Kootenai Electric
COOPERATIVE
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
2016
2017
2018
2019
2020
2021
2022
2023
2024

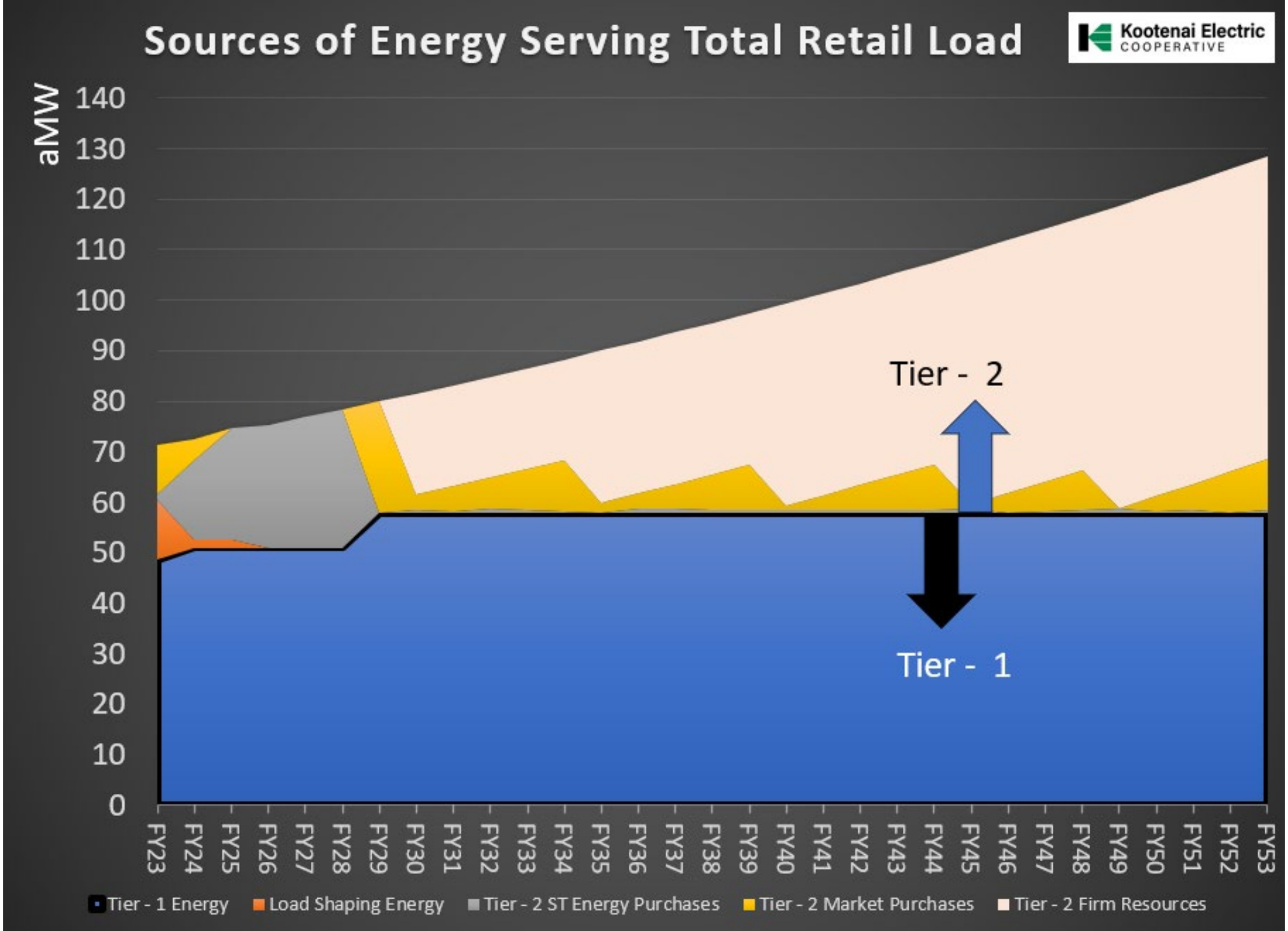

Historical Total Retail Load by Year (kWh)
NORTHERN LIGHTS, INC.
The power of local service
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
2016
2017
2018
2019
2020
2021
2022
2023

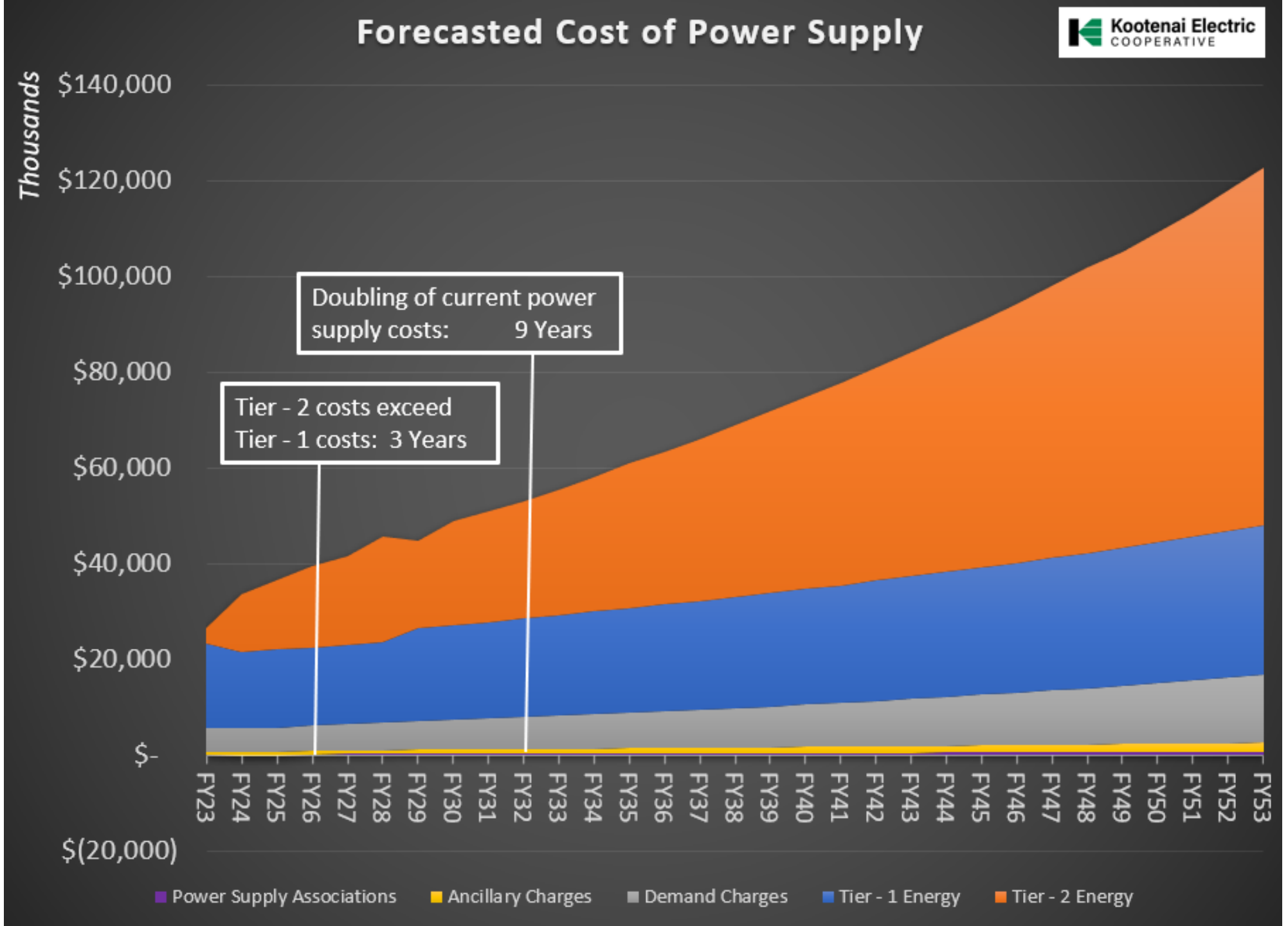
Today:

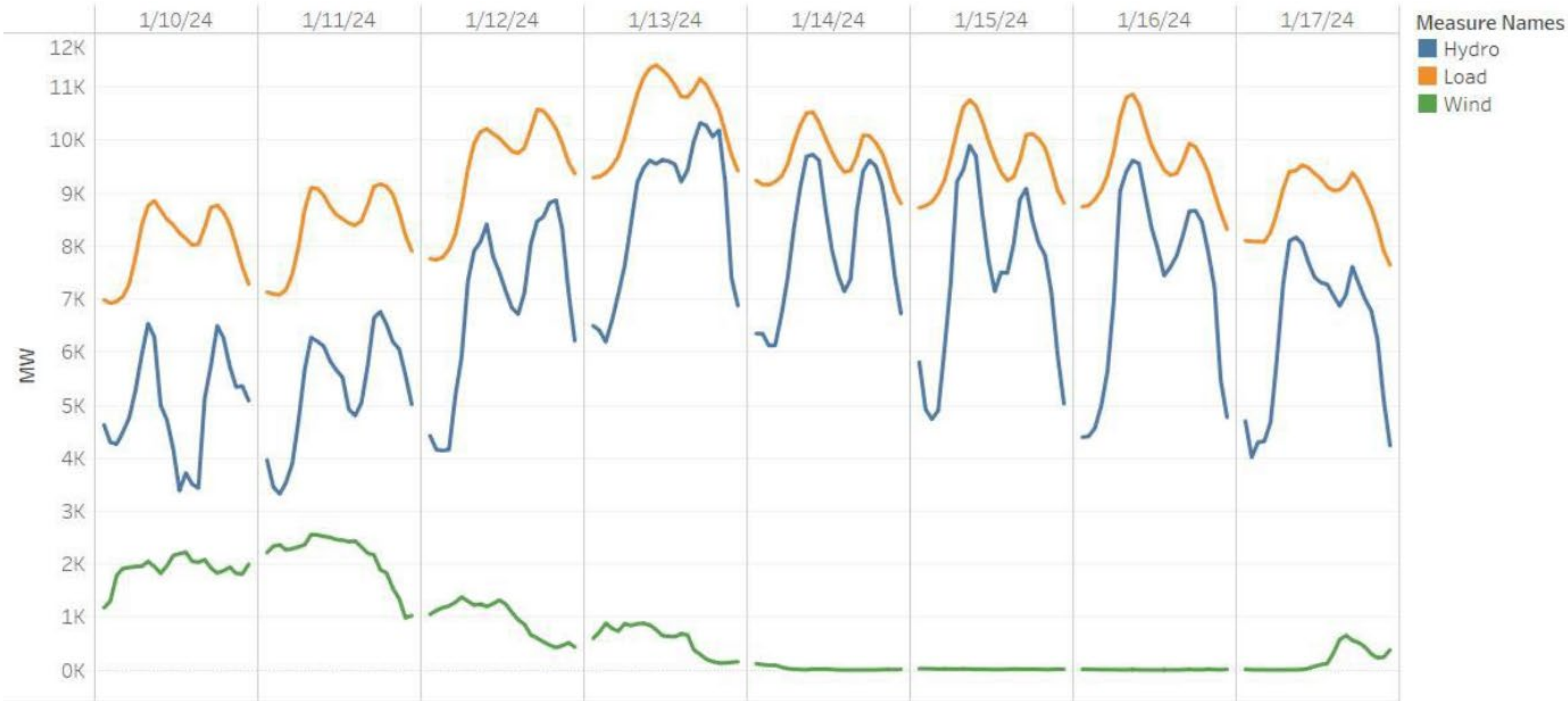
Tier – 1: 70%
Tier – 2: 30%

2028
W/O LSRDs:

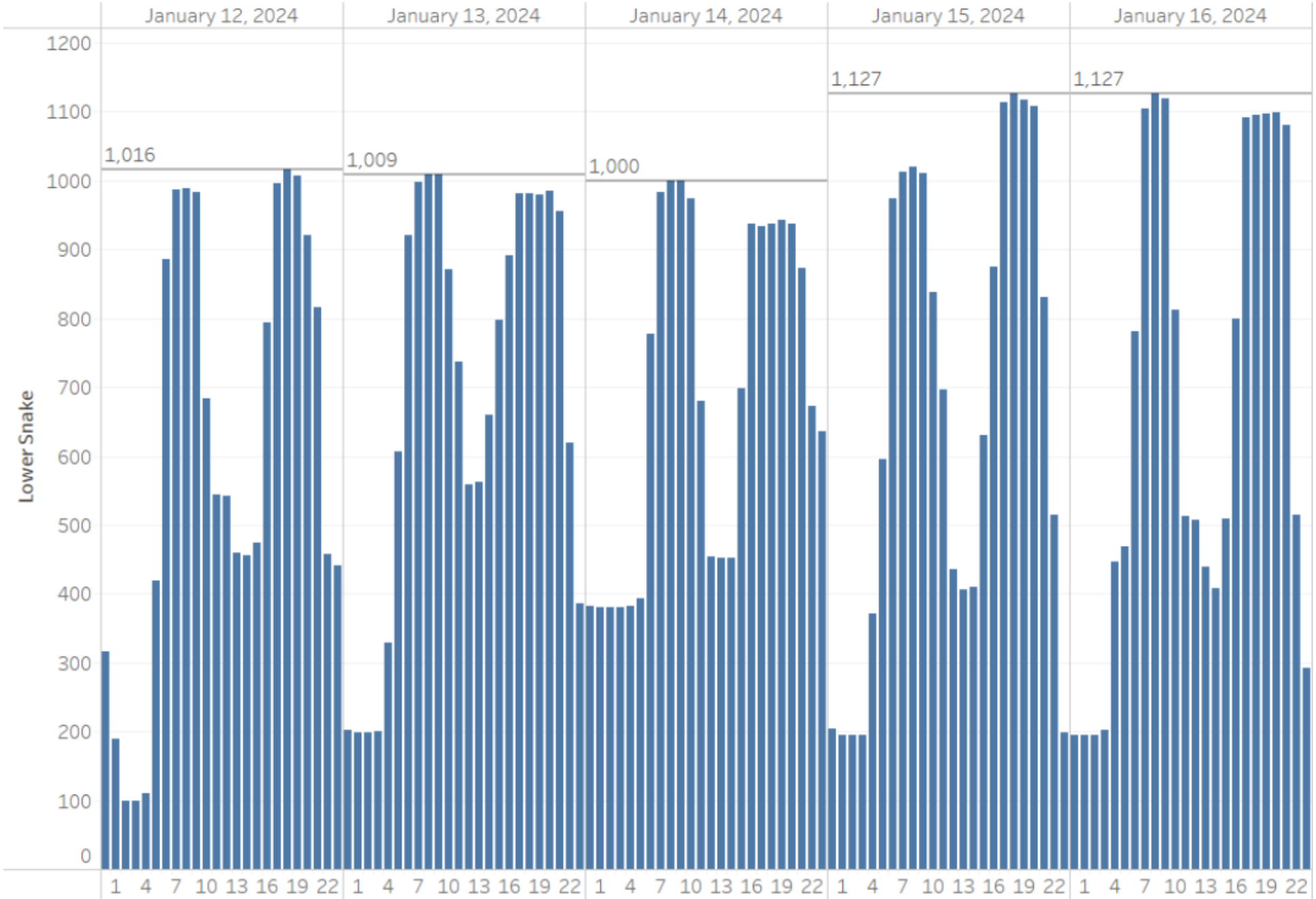
Tier – 1: 55%
Tier – 2: 45%




Forecasted Cost of Power Supply
Kootenai Electric COOPERATIVE
Thousands
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$-
$(20,000)
Doubling of current power supply costs: 9 Years
Tier - 2 costs exceed Tier - 1 costs: 3 Years
FY23
FY24
FY25
FY26
FY27
FY28
FY29
FY30
FY31
FY32
FY33
FY34
FY35
FY36
FY37
FY38
FY39
FY40
FY41
FY42
FY43
FY44
FY45
FY46
FY47
FY48
FY49
FY50
FY51
FY52
FY53
Power Supply Associations
Ancillary Charges
Demand Charges
Tier - 1 Energy
Tier - 2 Energy


1/10/24
1/11/24
1/12/24
1/13/24
1/14/24
1/15/24
1/16/24
1/17/24
12K
11K
10K
9K
8K
7K
6K
5K
4K
3K
2K
1K
0K
MW
Measure Names
Hydro
Load
Wind

Lower Snake Generation



National Electric Reliability Corporation (NERC)

Jim Robb, President and CEO

- 2 YouTube Videos:
  - “Building the Grid We’ll Leave for Our Grandchildren”
  - Keynote address at the EPSA Competitive Power Summit 2023

External Risk Factors

Supply Chain & Ransomware

- Solar Winds
- Colonial Pipeline

Jim Robb

"The majority of new generation is wind and solar."

"Extreme weather events are longer, broader and deeper."

"Each year there is an increasing risk of bulk power system failure in the West."

"On June 6, 2023, there were 6 GW of wind across North America. Only 200 MW showed up."

"With the increasing dependence on variable renewables, the traditional design of meeting peak demand is no longer valid."

Thank you