

Industrial Energy Efficiency at Idaho Power

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Idaho Power Company Service Territory

Hydroelectric Facilities and Nameplate Capacities

1	Hells Canyon	391.5 MW
2	Oxbow	190.0 MW
3	Brownlee	585.4 MW
4	Cascade	12.4 MW
5	Swan Falls	27.2 MW
6	C. J. Strike	82.8 MW
7	Bliss	75.0 MW
8	Lower Malad	13.5 MW
9	Upper Malad	8.3 MW
10	Lower Salmon	60.0 MW
11	Upper Salmon	34.5 MW
12	Thousand Springs	8.8 MW
13	Clear Lake	2.5 MW
14	Shoshone Falls	12.5 MW
15	Twin Falls	52.9 MW
16	Milner	59.4 MW
17	American Falls	92.3 MW
Total		1,709.0 MW

Thermal Facilities And Capacities

Coal

▲ Jim Bridger	770.5 MW*
▲ North Valmy	283.5 MW*
▲ Boardman	64.2 MW*

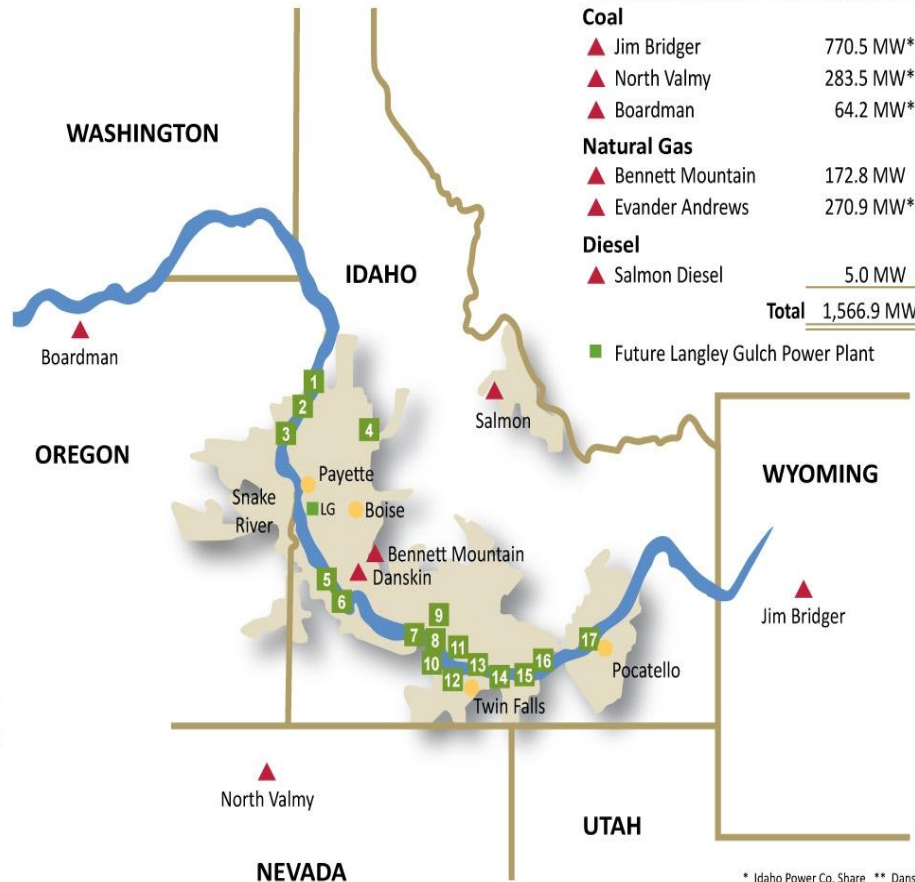
Natural Gas

▲ Bennett Mountain	172.8 MW
▲ Evander Andrews	270.9 MW**

Diesel

▲ Salmon Diesel	5.0 MW
Total	1,566.9 MW

■ Future Langley Gulch Power Plant



Additional Company Information

- 24,000 Square Mile Service Territory
- 492,073 General Business Customers as of December 31, 2010
- 4,817 Miles of Transmission Lines
- 26,698 Miles of Distribution Lines
- 2,036 Employees

* Idaho Power Co. Share ** Danskin

Idaho Power

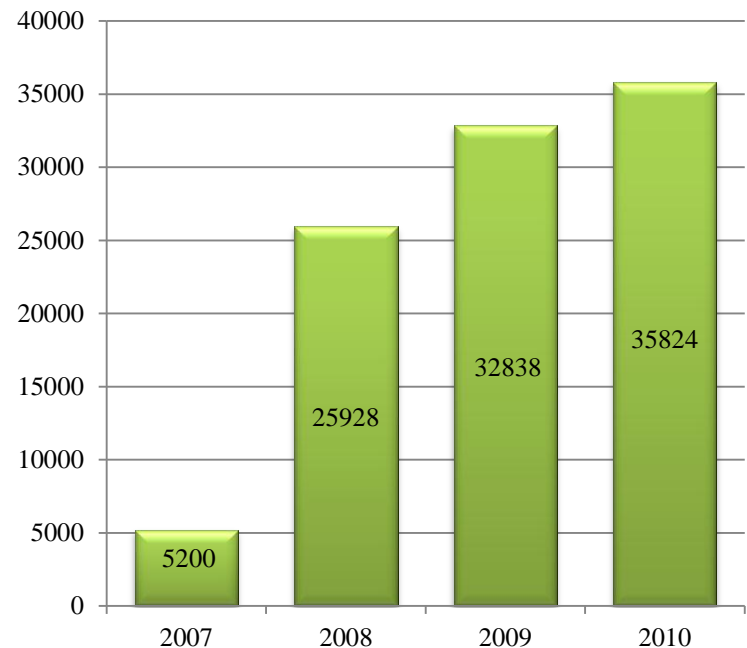
- **Investor owned Electric Utility**
 - Idaho 473,620 general service customers
 - Oregon 18,453 general service customers
- **Electrical consumption by customer class**
 - 83% are **residential** using 37% annual MWh
 - 13% are **commercial** using 27% annual MWh
 - 4% are **irrigation** using 13% annual MWh
 - <1% are **industrial** using 23% annual MWh
- **Funding source for energy efficiency and demand response**
 - Idaho - 4.75% tariff rider
 - Oregon – 3.0% tariff rider

Program Review / Preview

Easy Upgrades

- **Program Overview**
 - Prescriptive program for lighting, HVAC, motors, building shell, plug loads, and grocery refrigeration
 - Incentives up to \$100,000 per site per year
 - Available to industrial and commercial customers
 - 2010 Energy Savings
 - 35,824 MWh/yr
 - 2010 direct incentives
 - \$3,306,673.00

Energy Savings (MWh/yr)



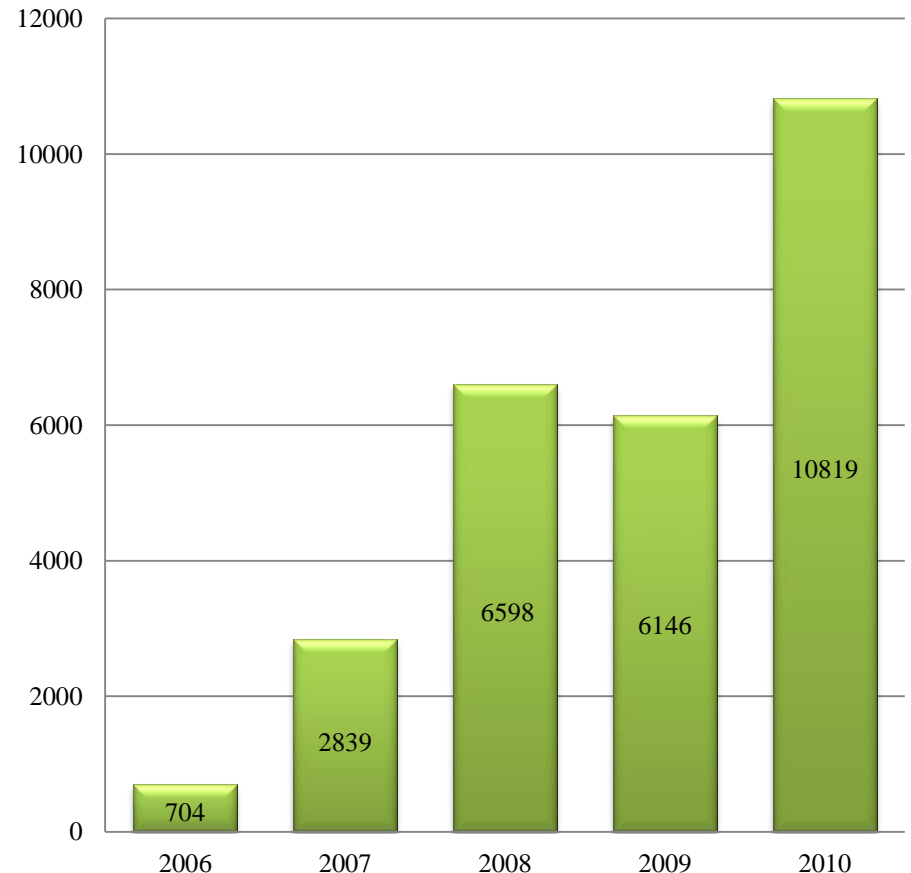
Program Review / Preview

Building Efficiency

- **Program Overview**

- New construction and major remodel projects
 - Measures for lighting, HVAC, building shell, control systems
- Incentives up to \$100,000 per project
- Available to industrial and commercial customers
- 2010 Energy Savings
 - 10,820 MWh/yr
- 2010 direct incentives
 - \$1,224,755.00

Energy Savings (MWh/yr)



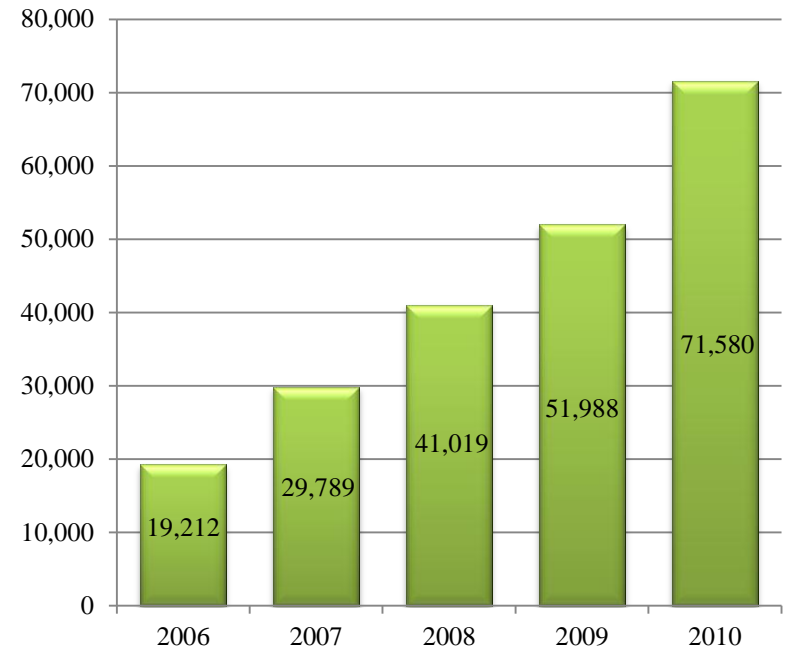
Program Review / Preview

Custom Efficiency

- **Program Overview**

- Customized energy efficiency projects
- Available to industrial and commercial customers
- Incentives – 70% of project cost, or 12 cents per kWh first year savings, whichever is less
- Scoping audits
- Industrial education
- 2010 Energy Savings
 - 71,580 MWh/yr
- 2010 direct incentives
 - \$7,816,498.00

Energy Savings (MWh/yr)



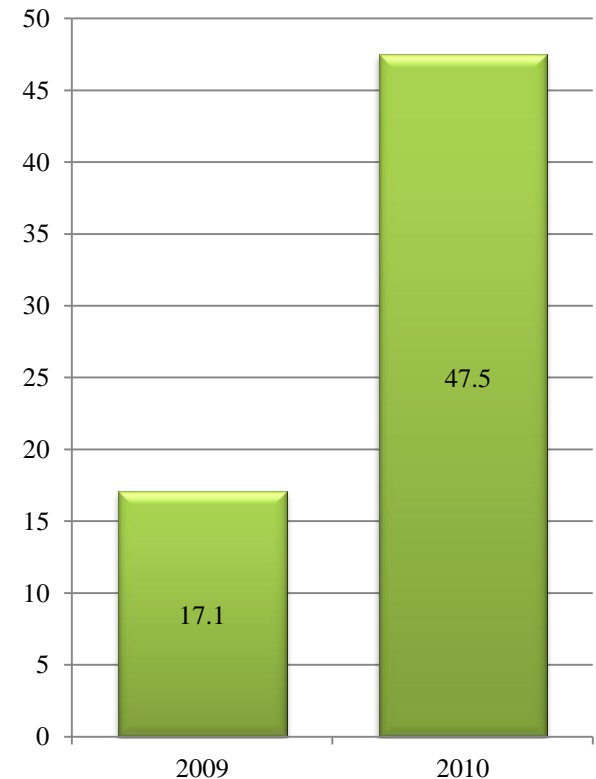
Program Review / Preview

FlexPeak Management

- **Program Overview**

- Voluntary Demand Response Program
- Available to industrial and large commercial customers
- Incentives per kW reduction
- Active program days
 - June 1 – August 31
- 2010 Demand Reduction
 - 47.5 MW

MW Load Reduction



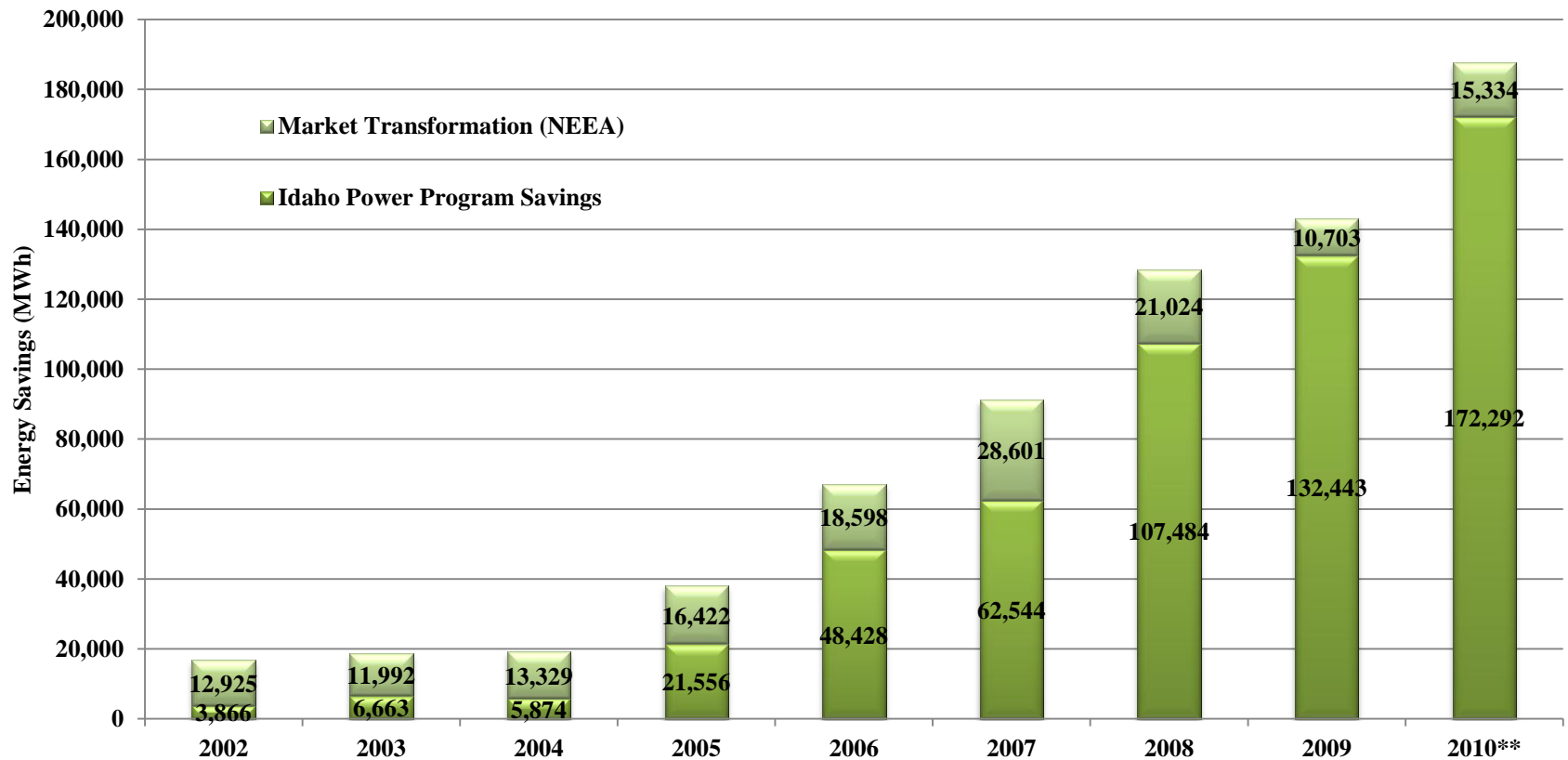
Key Elements of Program Success

- Full suite of programs and measure offerings
- Easy application process
- Attractive incentive levels
- Direct customer contact
 - Major Customer Representatives
 - Program Engineers and Program Specialists
- Coordinated industrial training
- Scoping audits
- Technical expertise of our staff

Key Success Factors

- Energy efficiency is Idaho Power's resource of choice
 - Executive Guiding Council
 - Work to achieve IRP Targets
 - Aggressive pursuit of all cost effective energy efficiency
- Energy Efficiency Advisory Group
- Progressive Business/Regulatory Model
 - Treat demand side resources like supply side resources
 - Timely recovery of expenses
 - Clear and achievable guidelines for prudence
 - Demand Side Resource Filing – (IPC-E-10-27)
 - Establish a regulatory asset for Custom Efficiency program incentives
 - Move demand response incentive payments into the Power Cost Adjustment
- Actively engage with
 - Idaho Strategic Energy Alliance (ISEA)
 - CAES Energy Efficiency Research Initiative (CEERI)
 - Integrated Design Lab – Boise (IDL)

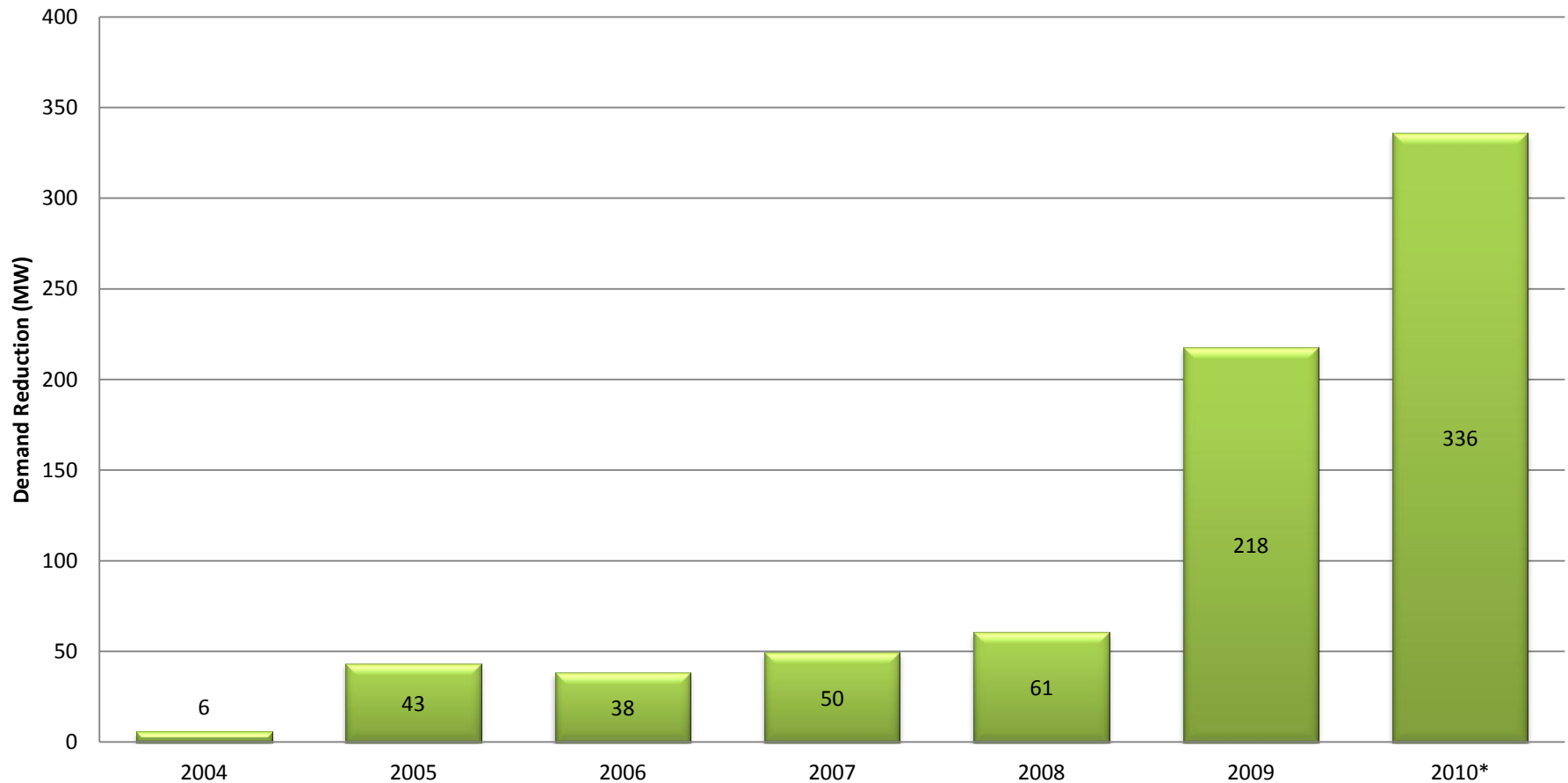
Annual Energy Savings



Peak Loads

- All Time Summer Peak
 - June 30, 2008 = 3,214 MW
- All Time Winter Peak
 - December 10, 2009 = 2,528 MW

Annual Demand Response Reduction





<http://www.idahopower.com/>