

#### Idaho Power Irrigation Programs



#### Quentin Nesbitt Agricultural Engineer, PE



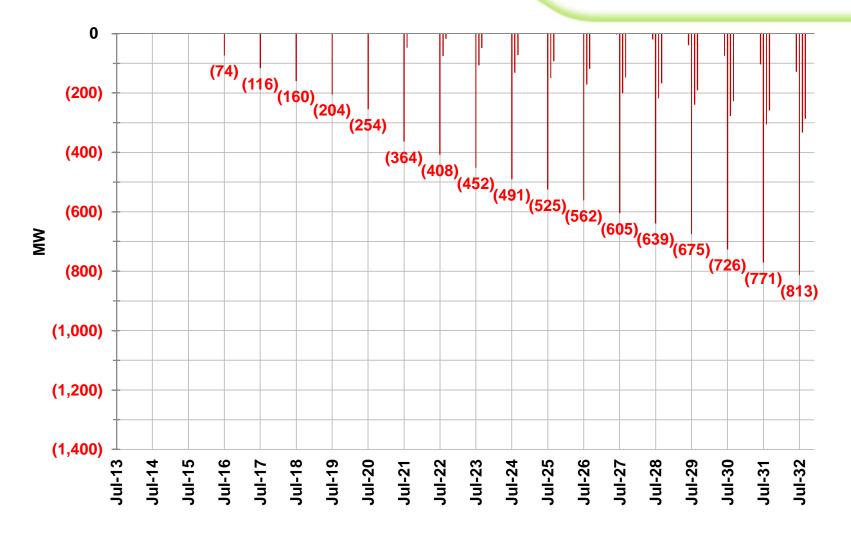
## Irrigation Peak Rewards Program

- Bill credits for interruptions during peak times
- 330 MW in 2012
- Based on Idaho Power's forward forecast, The need for capacity reduction is zero for a few years
- Idaho Power is exploring options for this program for 2013

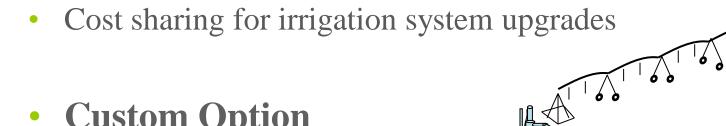


Potential Peak Hour Deficits in Future with Extreme Weather and Low Water





### **Irrigation Efficiency** Rewards



- **Custom Option** 
  - Existing and New Systems
  - ✓ Apply **before** you start a project
  - $\checkmark$ Easy application
  - ✓ Reduce the horsepower of your irrigation system
  - ✓ Incentive after project is complete based on energy savings

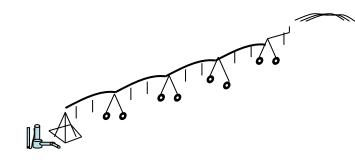


#### Irrigation Efficiency Rewards



## Menu Option

- ✓ For Maintenance of Existing Systems
- ✓ Turn invoices in for rebate within one year after installation





#### Irrigation Efficiency Rewards – Menu option

Measure	Incentive per Item
Flow Control Nozzles     **	\$ 1.50
New Nozzles **	\$ .25
<ul> <li>New or Rebuilt Sprinkler Heads * **</li> </ul>	\$ 2.75
<ul> <li>New Rotating Type Sprinkler or Pivot Heads * **</li> </ul>	\$ 2.75
<ul> <li>New Low-Pressure Regulators</li> </ul>	\$ 5.00
<ul> <li>Gaskets on Wheel Lines, Hand Lines or Portable ML* **</li> </ul>	\$ 1.00
<ul> <li>Wheel Line Hubs for Thunderbird Brand</li> </ul>	\$12.00
Wheel Line Levelers	\$ .75
<ul> <li>Pivot Goosenecks and Drops</li> </ul>	\$ 1.00 per outlet
<ul> <li>Cut and Press Pipe Repair</li> </ul>	\$ 8.00 per joint
Center Pivot Boot Gasket	\$125.00

- \* Limited to 50 % of invoice
- \*\* Limited to two per acre

# HOW MUCH CAN A LEAK COST YOU?

•8 gpm

•17 gpm

\$64.64

\$30.42

#### •50 PSI,

- •80% pump efficiency
- 2000 hrs operation
- \$0.069 total per/kWh









\$38.02



#### **Questions? / Comments**

