



History of the Odell Creek Hydroelectric Project

- Fred & Wilma Plog built hydro project
- 1980s – threatened energy shortage & interest in alternative power
- Power prices high & less stringent fish passage regulations
- Dam was constructed in the early 80's and began to generate power in December 1985

Dam Specifications

- Dam was 12' high & 30' wide with a ½ acre pond behind it
- 1,500' pipe/penstock from dam to powerhouse
- Power sold to PP&L
- 3 turbines designed & licensed to generate up to 225 kW

Fish Ladder & Screen



Rationale for Dam Removal

- 2010 OWRD license up for renewal
- Updated fish passage & screening standards
- Likely increase in bypass flows
- Power prices ~ 1/3 what they were in 80's; very little revenue after O & M
- Cost to upgrade fish ladder & screen was ~\$500,000

Preparation for Dam Removal

- Funding for removal & restoration design: 2013 OWEB tech assist grant (\$50,000)
- Permits
 - Federal Energy Regulatory Commission- license surrender & decomm. plan
 - Division of State Lands & Corps of Engineers- removal/fill permits
 - County- floodplain
- Funding for removal awarded in 2015 (total: \$442,732)
 - OWEB: \$342,732
 - ODFW: \$65,000
 - CTWS: \$35,000



Work Area Isolation



Bypass Pipe Underground





Link-Belt





ROGUE
BEAVERS
AT WORK































Link-Belt

210LX

STATON
247

STATON











