

# COID Siphon Power Project



POWERHOUSE

CO CANAL DIVERSION

COC DIVERSION TO POWERHOUSE

0 150 300 600  
Feet



CENTRAL OREGON  
IRRIGATION DISTRICT

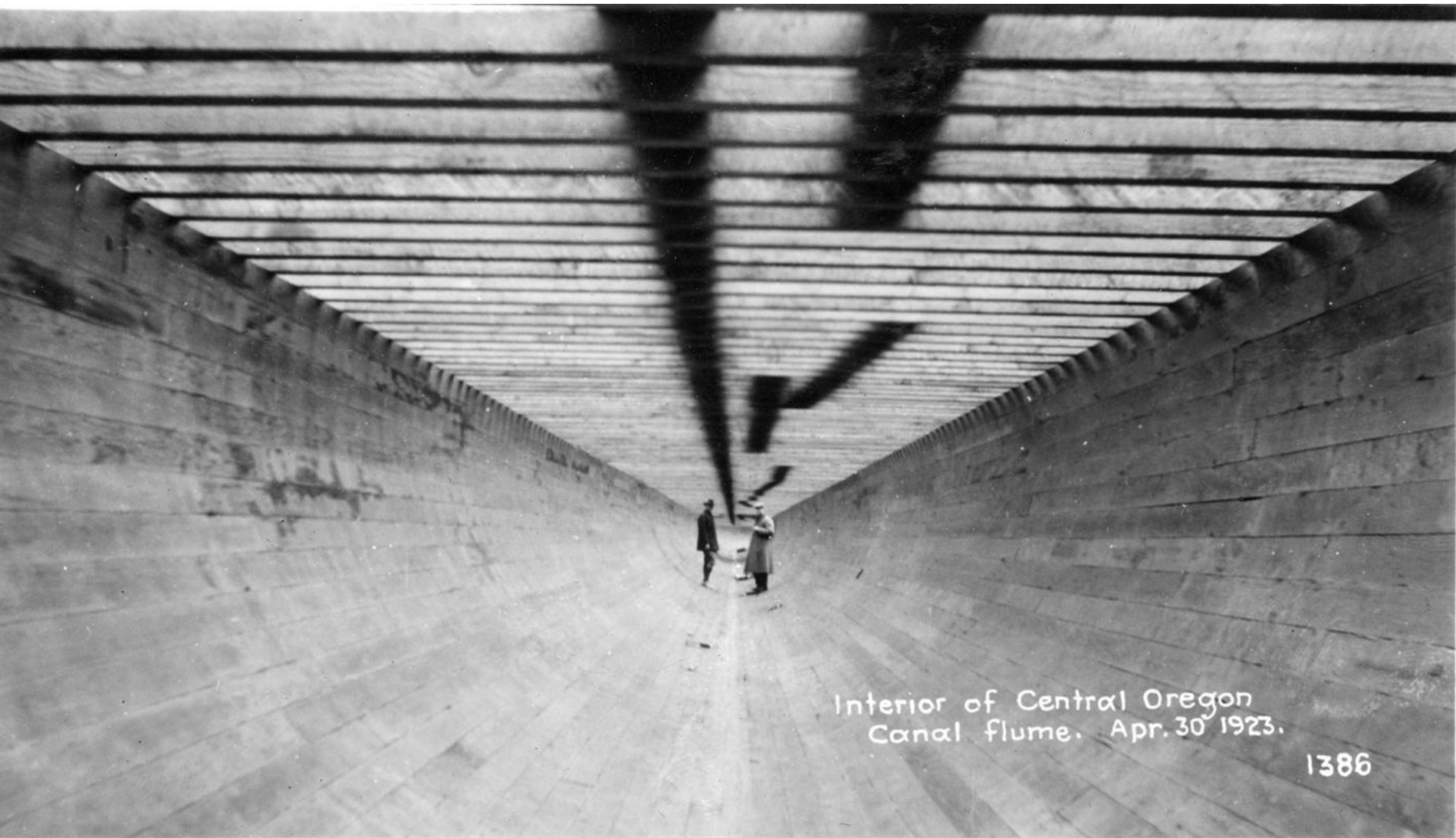




C.O.I.D. Flume from upper end.  
April 28 1923



C.O.I.D. Flume  
Substructure  
1830 April 6, 1926



Interior of Central Oregon  
Canal flume. Apr. 30 1923.

1386













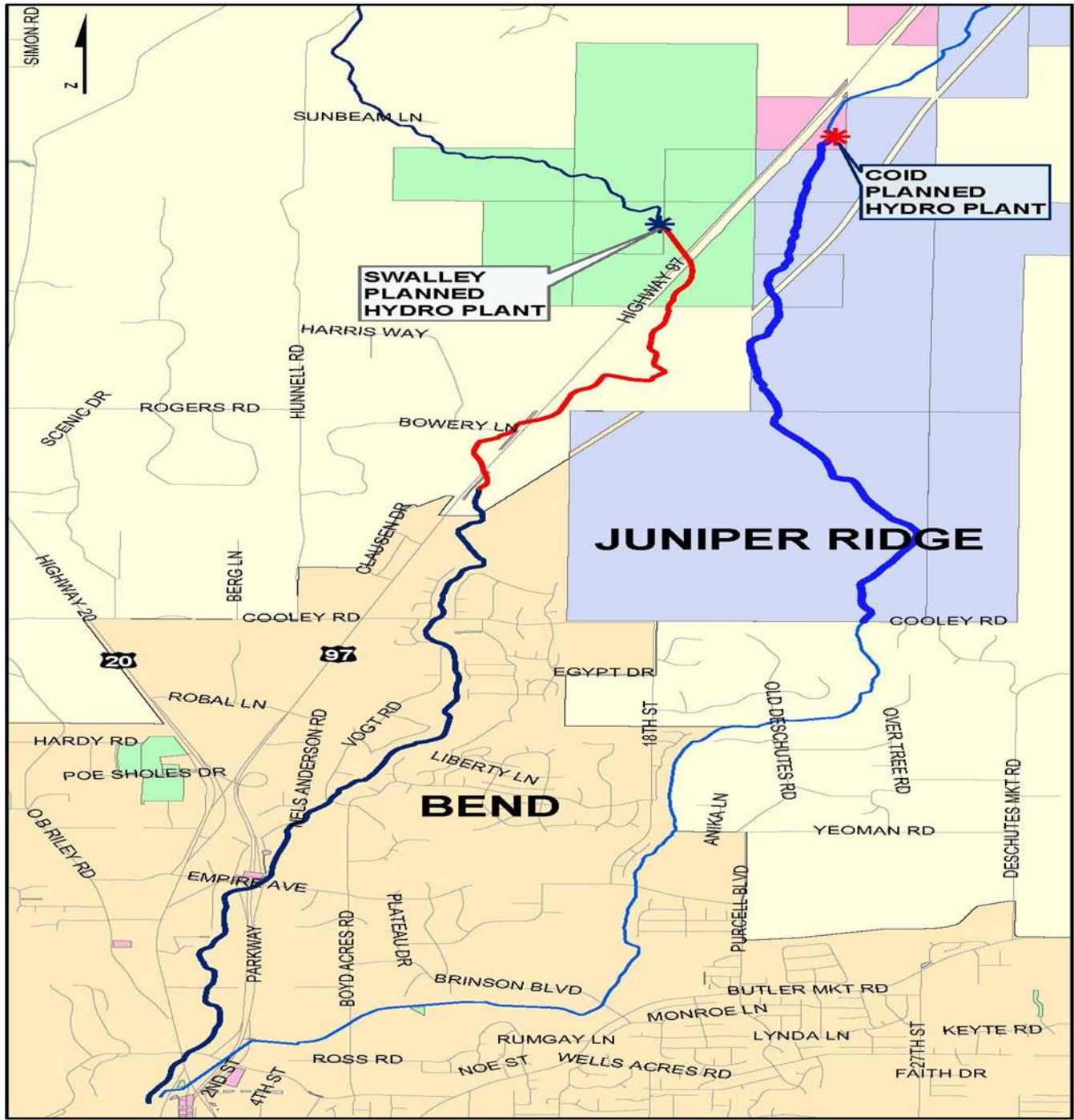












# CENTRAL OR. IRRIGATION DISTRICT AND SWALLEY IRRIGATION DISTRICT PIPING AND HYDRO PLANT PROJECTS

**Pilot Butte Canal (COID)**

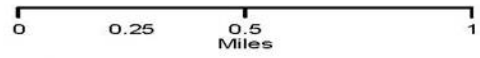
- PB Canal Piping
- PB CANAL

**SWALLEY CANAL**

- Swalley Canal Piping Ph1
- Swalley Canal Piping Ph 2
- Swalley Canal

**State & County Lands**

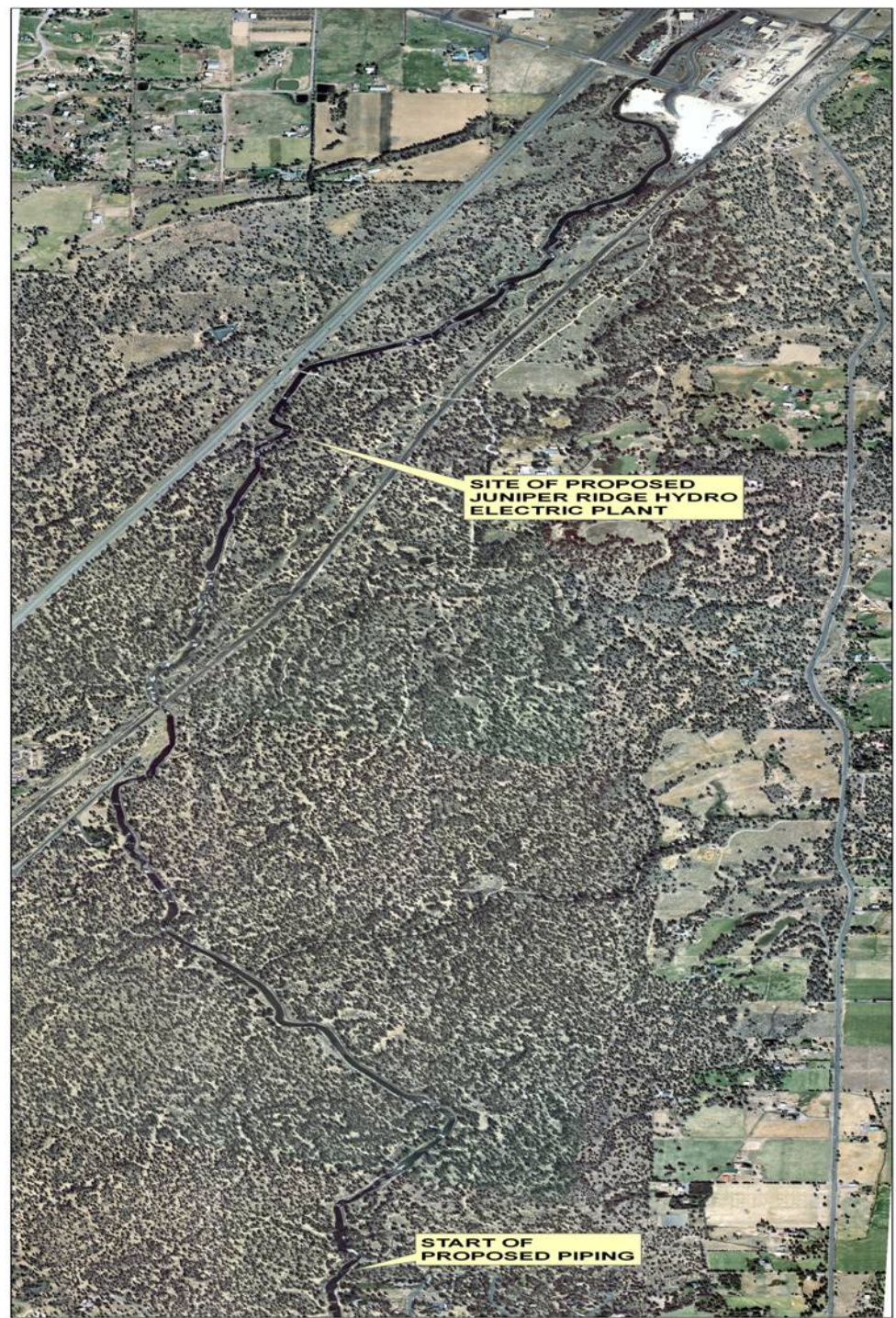
- DESCHUTES COUNTY
- STATE OF OREGON





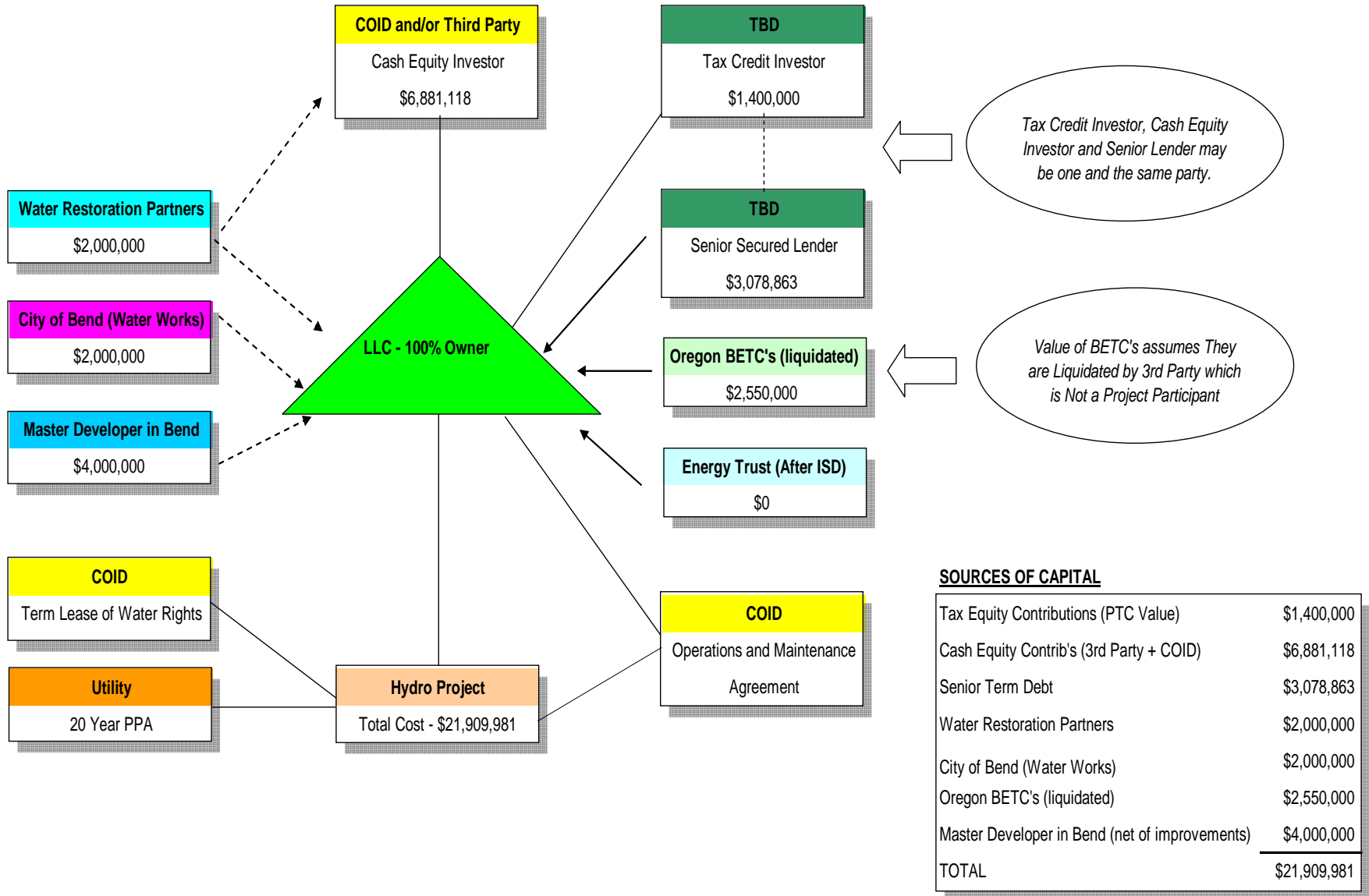
# JUNIPER RIDGE HYDRO

- 2.25 Miles – Main Irrigation Canal
- 9' Steel Pipe
- 20 cfs Conserved Water Savings
- 3.3 MW Generating Capacity
- 5 MW built capacity
- \$21 MM Project Costs
- Multiple Benefits & Beneficiaries, & Funding Sources
- Capability to pipe upstream 4 miles and add 4 MW of power
- Each mile of additional pipe generates 10 cfs for instream





**Central Oregon Irrigation District  
Juniper Ridge Hydroelectric Project  
Proposed Financing Structure - NEW BETC Law Enacted  
(Preliminary)**



**SOURCES OF CAPITAL**

Tax Equity Contributions (PTC Value)	\$1,400,000
Cash Equity Contrib's (3rd Party + COID)	\$6,881,118
Senior Term Debt	\$3,078,863
Water Restoration Partners	\$2,000,000
City of Bend (Water Works)	\$2,000,000
Oregon BETC's (liquidated)	\$2,550,000
Master Developer in Bend (net of improvements)	\$4,000,000
<b>TOTAL</b>	<b>\$21,909,981</b>