



# San Dimas Hydroelectric Plant Rehabilitation Project

Engineering and Capital Programs Committee

Item 7-2

August 17, 2009

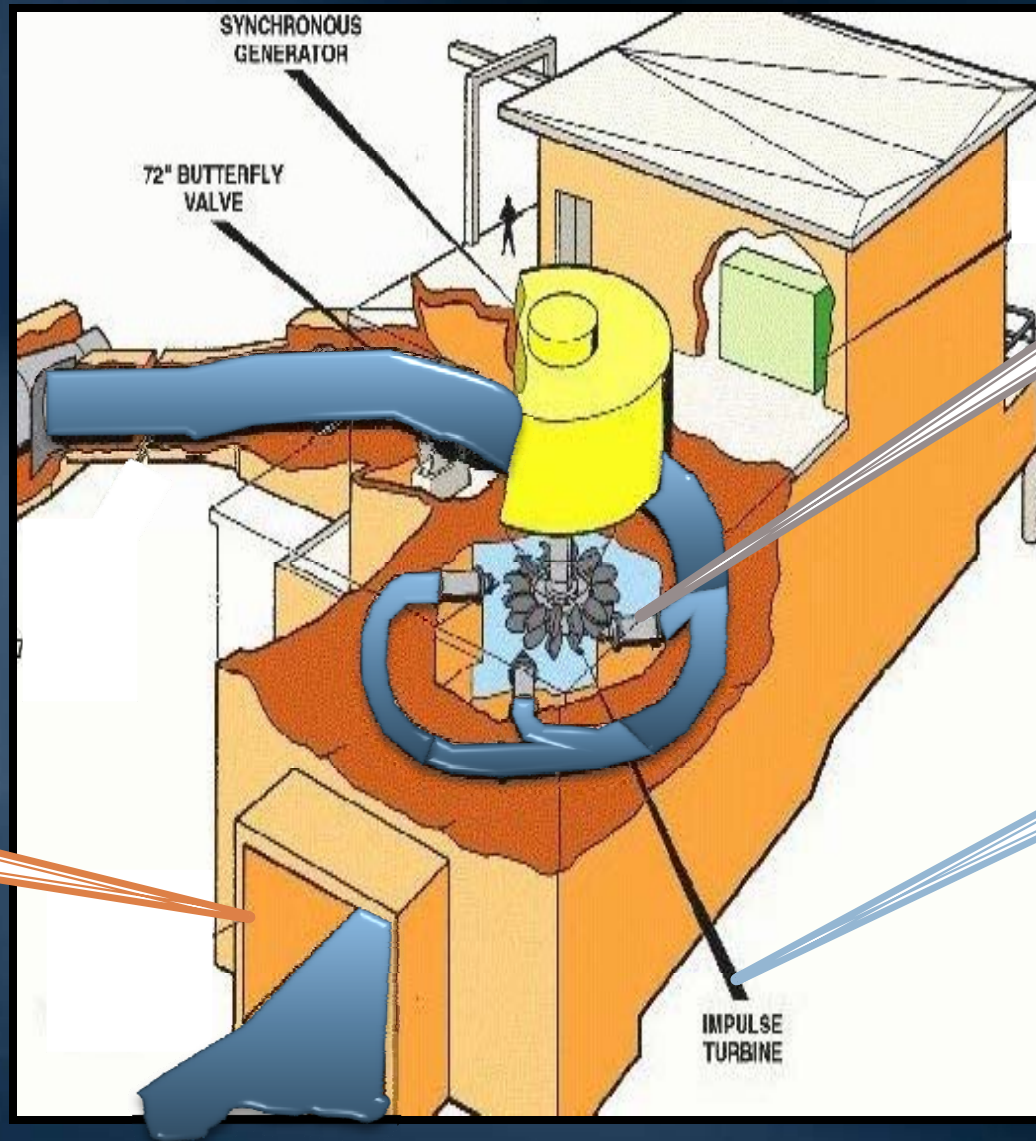
# Current Action

- Appropriate \$1,420,000 in budgeted funds
- Authorize rehabilitation of the San Dimas Hydroelectric power plant

# Metropolitan Hydroelectric Plants



# Hydroelectric Plant Schematic



# Nozzle Encasement & Needle Valve



# San Dimas HEP - Background

- Commissioned by Fuji Corporation in 1981
- Maximum Generation Capacity: 9.9 MW
- Flow Rate Operating Envelope: 60 – 370 cfs
- Agreement with the Department of Water Resources

# San Dimas HEP - Revenue



2008 – Limited State Project Water Supplies

# San Dimas HEP Rehab - Budget

## Labor

<b>Owner Costs (Proj. mgmt &amp; studies)</b>	\$ 198,000
<b>Metropolitan Force Construction</b>	\$ 920,000
Materials, Supplies & Incidentals	\$ 89,000
Professional/Technical Services	
<b>Fuji Electric Corporation</b>	\$ 10,000
Remaining budget	\$ 203,000
<b>Total</b>	<b>\$ 1,420,000</b>



# San Dimas HEP Schedule

	2009	2010
<b>Board action</b>		
<b>Scroll case &amp; tailrace coating</b>		
<b>Needle valves rehabilitation</b>		

# Board Options

## ● Option # 1

- Adopt CEQA determination,
- Appropriate \$1.42 million, and
- Authorize rehabilitation of needle valves and turbine components for the San Dimas Hydroelectric Plant

## ● Option # 2

- Adopt CEQA determination,
- Appropriate \$1.19 million, and
- Authorize rehabilitation of the needle valves

## ● Option # 3

- Do not authorize funding for rehabilitation of San Dimas Plant

# Staff Recommendation

- Option # 1