

# General Configuration Static Barrier & Articulated Cleaning Device



#### Static Barrier

Wide range of screen openings to meet site requirements

- Vee-wire -- 1mm to 10mm
- Perforated plate -- ¼"(6mm) most popular

```
--3/16" (5mm)
```

--3/8" (10 mm)

- Expanded metal
- Bars 1" (25mm)

-- 2" (50mm)



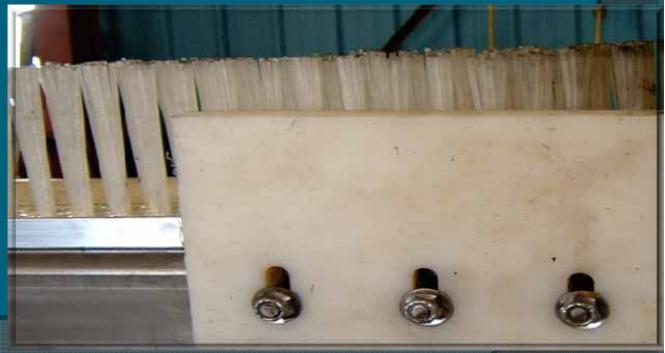
- Choice is often a compromise between capacity and screening effectiveness
- Design target 0.5 ft/s (0.15m/s) appr. vel.
  - -- open area -- 40 to 60 % (screens)
    - -- 85 % (bars)
  - -- head loss < 1"
- Fishery requirements often more stringent

### Cleaning Component



Stiff Nylon Brush or

UHMW Blade with Brush follower



### Cleaning Configurations

- In-line (removes debris)
- Side Sweep (sends debris downstream)
- Either sloping or vertical screen face

#### Power Supply

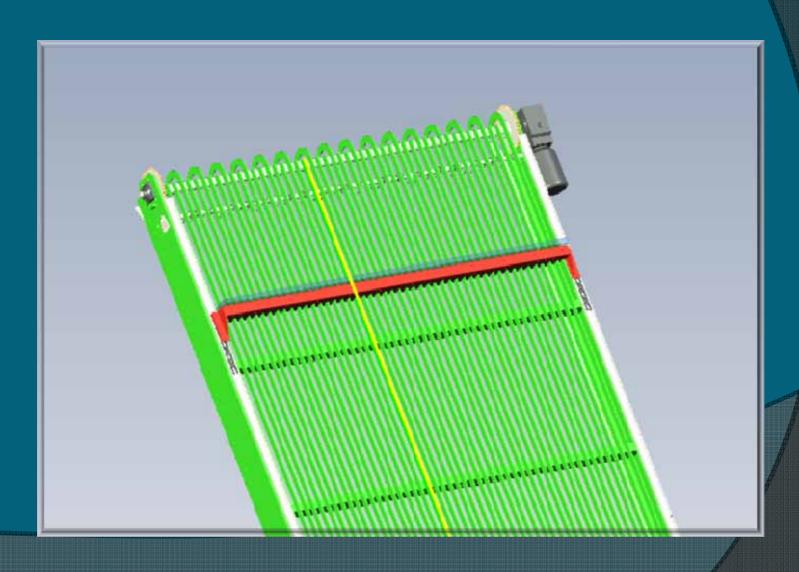
- Solar and Batteries or
- A C Power



#### In-line LNID Pyami Pipeline



# In-line Escalator



#### Side Sweep LNID Pyami Pump Site



#### Side Sweep BRID Lateral D



## Side Sweep Windmill - EID

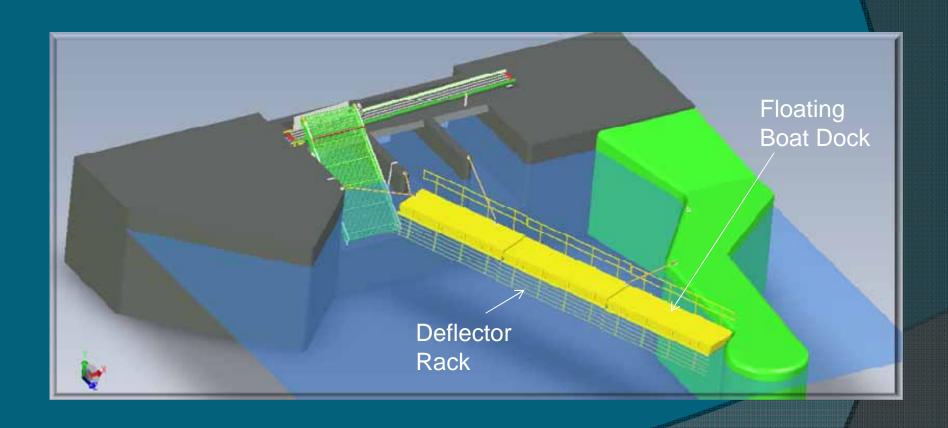


#### Fish Exclusion Side Sweep

Alberta Environment - Little Bow Canal



## New Development Trash Deflector



#### Thank you

