



Water System Operations Manager's Report

Engineering and Operations Committee

Item 7a

August 17, 2020

Current Operational Conditions

- 2020 SWP Allocation is 20%
- SWP blend targets are 0% at Weymouth, Diemer and Skinner plants
- CRA is at a 7-pump flow
- Managing storage based on WSDM principles
- July 2020 deliveries of 153 TAF were 3 TAF lower than July 2019

Skinner Solar Facility

System Overview

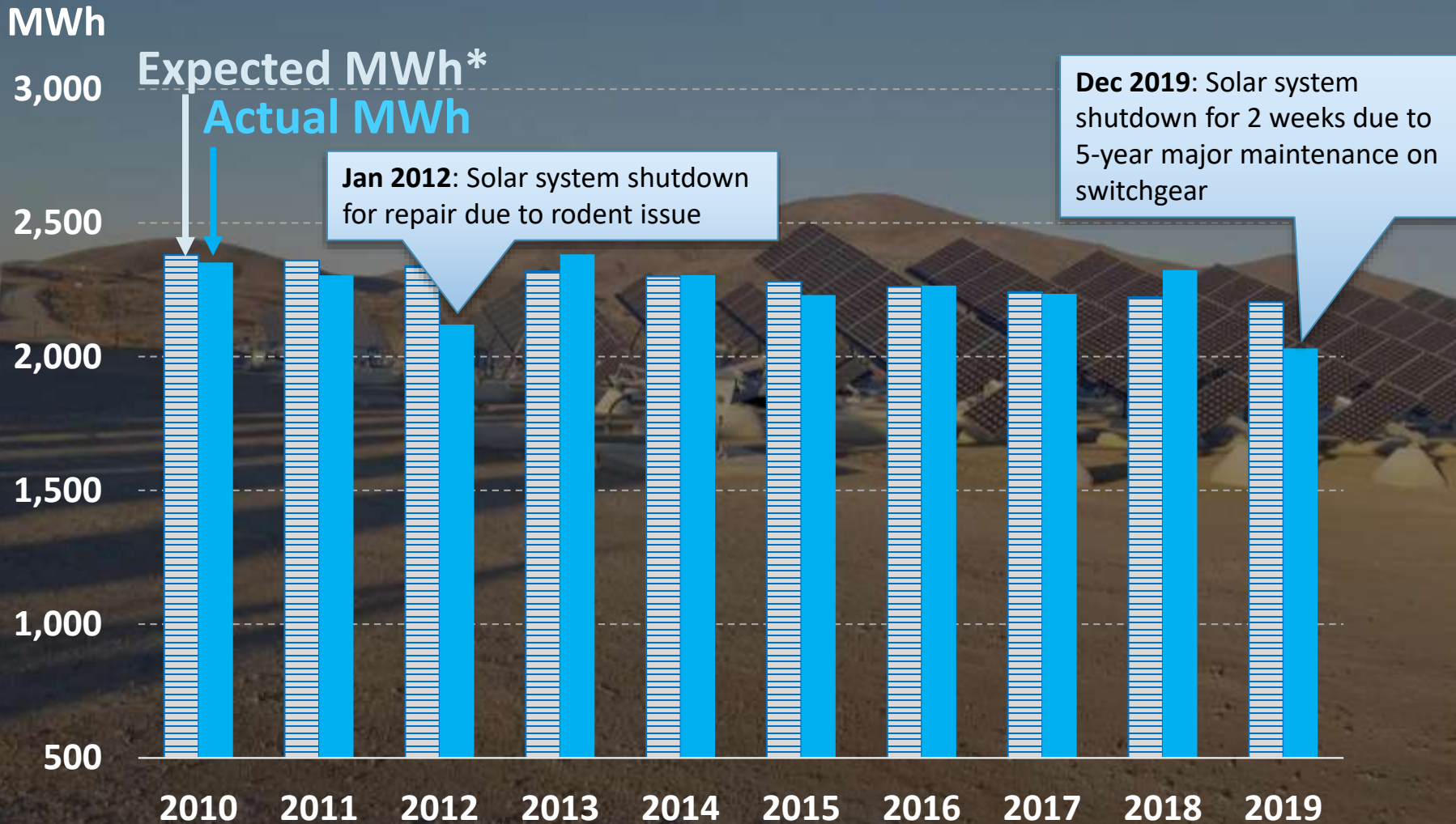
- **Module efficiency – 18.5% ***
- **Four central inverters – 250 kW each**
- **Installed capacity 1 MW approx. – 2,360 MWh first year**
- **Online date – September 2009**



* Typical solar panels available today have module efficiency between 15% & 20%

Skinner Solar Facility

System Performing Well Over 10 Years of Operation



* Expected MWh is calculated based on manufacturer performance warranty (degradation rate 0.85%), without weather adjustment

Skinner Solar Facility

Diligent Maintenance Practices

- Electrical output from each panel measured quarterly and failed panels replaced immediately
- Inverters inspected for adequate ventilation quarterly and fully cleaned and tested annually
- System faults and power output levels monitored daily and remedied quickly when encountered
- Panels professionally cleaned periodically

