



Department of Water and Power  
**BIOSOLIDS**  
Tom Moody, General Manager



# Presentation Outline

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- Water Reclamation in Corona
- What are Biosolids?
- Potential for Future



# WATER RECLAMATION

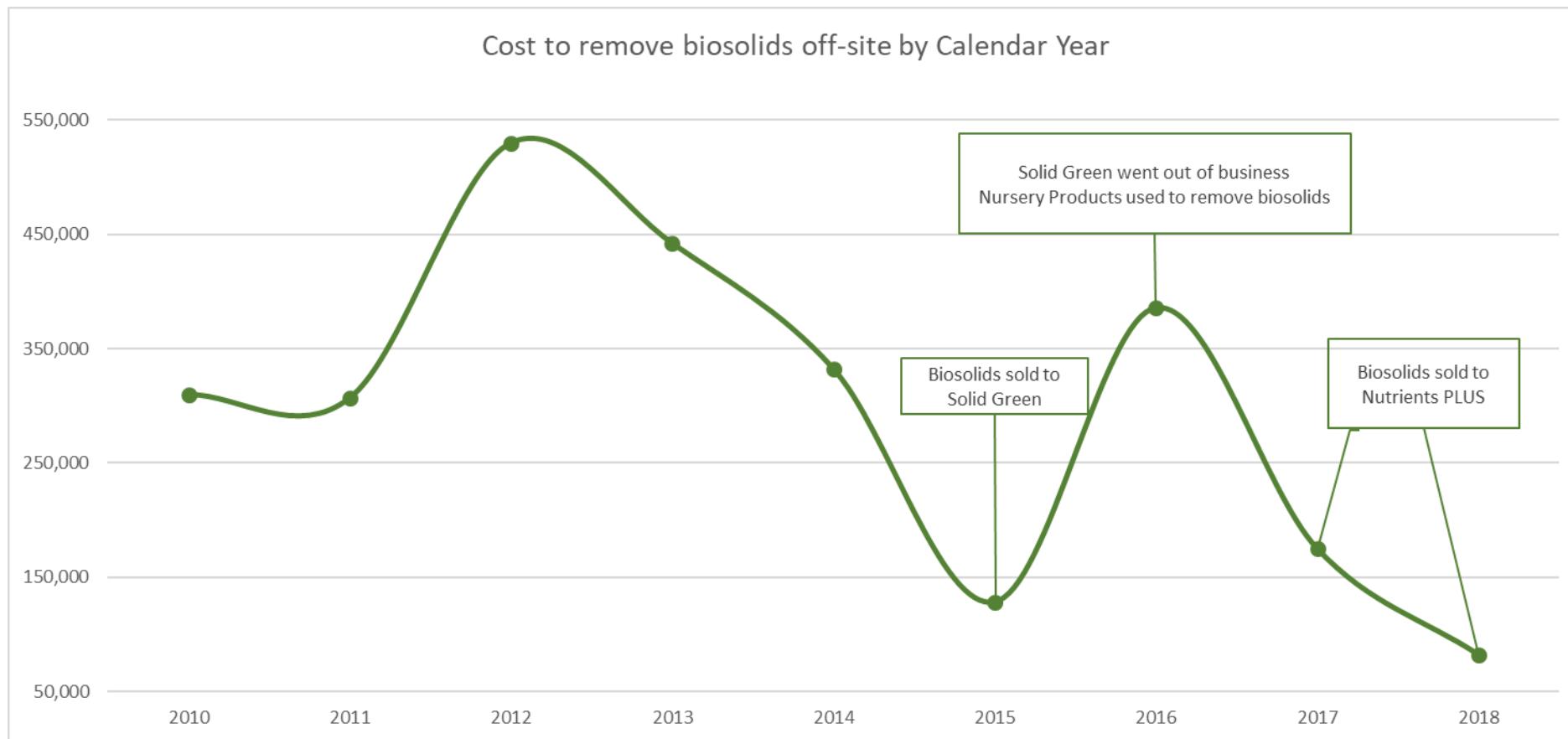
- Three local facilities, one regional plant
- Traditional treatment and Advanced treatment – microfiltration (MF)
- Operates a Direct Heat Thermal (DHT) dryer
  - Since 2005
  - One of only 3 DHT dryers operational in CA
- Produce two commodities:
  - Reclaimed water
  - Biosolids
    - Class A EQ
    - Class B Biosolids



# WHAT ARE BIOSOLIDS?

- **RESOURCE**
- Nutrient-rich organic matter
- Regulated by the US EPA
- Potential uses:
  - Soil conditioner
  - Alternative energy source
  - Fertilizer

# BIOSOLID DISPOSAL COSTS



Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cost	\$309,883	\$306,573	\$529,974	\$442,219	\$332,386	\$127,988	\$385,582	\$175,055	\$82,062



# POTENTIAL BLENDING FACILITY

- Treatment facility is ideally located for increased Bio-Solids options
- Would require a capital project to build new infrastructure for blending facility
- Potential for public / private partnership with a quality fertilizer manufacturer



- Raw Material Feeding and Batch Preparation Section
  - Blending section
  - Packing and printing section
  - Shipping/receiving facility

# BLENDING FOR THE FUTURE

# QUESTIONS?

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