



Department of Water and Power

BIOSOLIDS

Tom Moody, General Manager



Presentation Outline

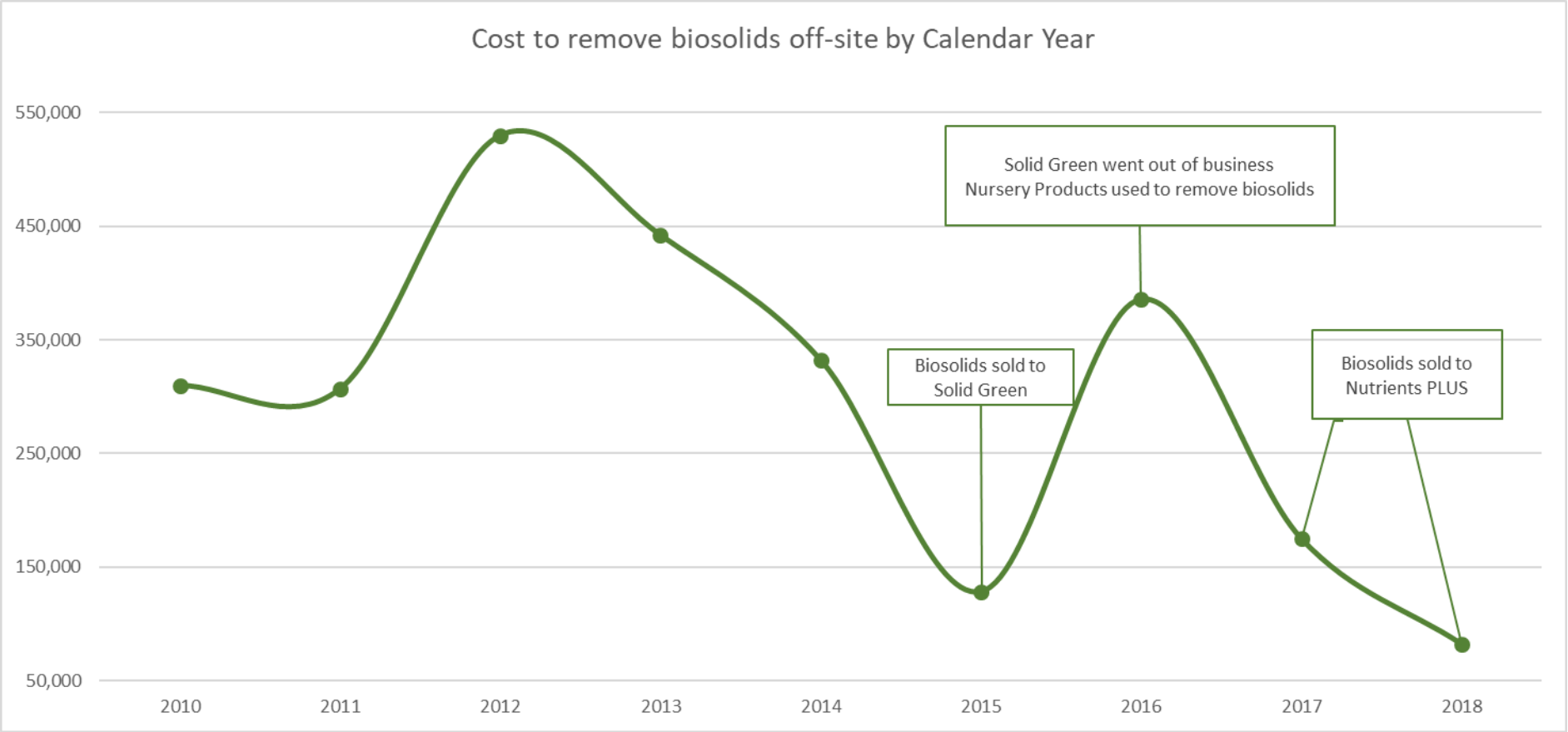
- Current Biosolids Process
- Disposal Costs
- Legislative/Legal Background
- Bi-Product to Resource
- Potential Revenue
- Next Steps

CURRENT BIOSOLIDS PROCESS



- Dry pellet product sold to Nutrients PLUS
- Wet or dry product hauled off by Nursery Products

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

LEGISLATIVE/LEGAL BACKGROUND



SB1383

- Signed into law March 2016
- Establishes targets for reducing the landfilling of organic waste

AB 901

- Approved on March 5, 2019
- Establishes reporting requirements for biosolids management

BY-PRODUCT TO RESOURCE

Land Under Agriculture =
315 Million Acres

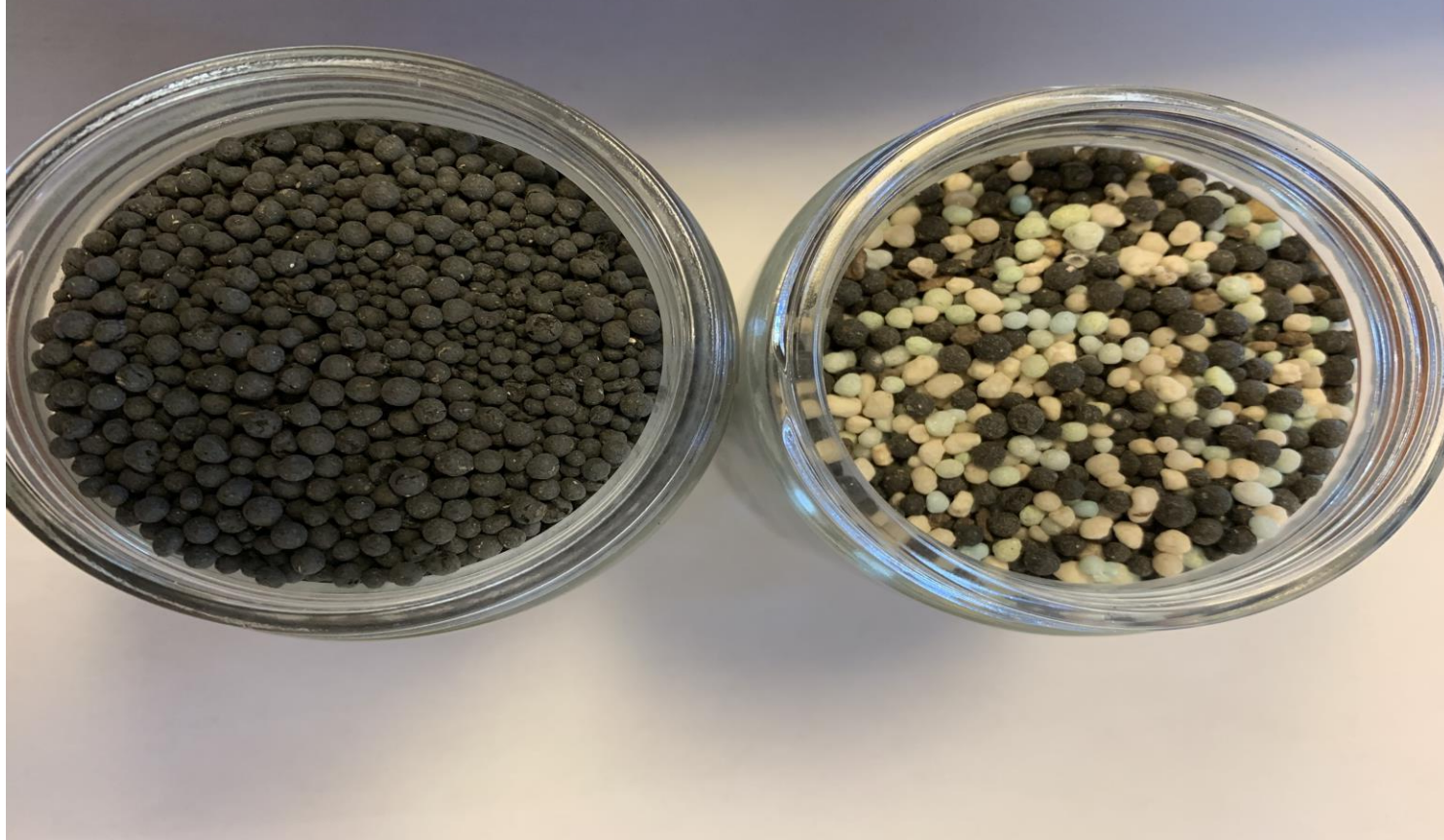


Fertilizer = 65 Million Tons

Biosolids = 7 Million Tons

- Currently producing biosolids
- **Future production of fertilizer**
- Change in classification is an important legislative goal





BY-PRODUCT TO RESOURCE

Bio-solids are:

- **A RESOURCE**
- Nutrient-rich in organic matter
- Regulated by the US EPA
- Current uses:
 - Soil conditioner
 - Alternative energy source
 - Fertilizer (limited)
- They can be:
 - Specialty Fertilizers
 - Blended to provide nutrients on demand
 - Environmentally supportive

POTENTIAL REVENUE



- Wholesale
 - Sales direct to distributors, Farmers and others with bulk requirements
- Retail
 - Placed in stores locally
- Operations
 - Opportunity to run the facility locally as the administrator.
 - Point of sale for wholesale and retail would be Corona.
- Potential to expand production when other regional dryers come online.

QUESTIONS?



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