



Sewage Sludge News - BofS 12-15-15 Decision  
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to:  
mbandov  
12/16/2015 04:23 PM  
Hide Details  
From: David Broadwater <csi@thegrid.net>  
To: mbandov@co.slo.ca.us,

WRAC Members,  
re: Sewage Sludge Management / BofS Action 12-15-15

The BofS decided on 12-15-15 to place on an upcoming agenda consideration of a cessation of the CEQA/EIR process on the draft permanent ordinance currently in the scoping process. The purpose will be to decide whether to:

- stop processing this draft ordinance in order to conduct an examination of the full range of practical sewage sludge management and use options other than land application,
- stop processing this draft ordinance in order to direct staff to construct another draft ordinance in compliance with BofS directions, or
- proceed with the processing of the current draft ordinance.

When that item is placed on a BofS agenda, CSI will inform you and provide information useful for submitting comments. The BofS will not meet again until January 2016. It is not yet known when this will appear on a BofS agenda.

I thank WRAC members for their attention to this matter.

David Broadwater  
Center for Sludge Information

PS: For those interested in methods of sewage sludge management other than land application, please find below links to a few examples, which have been submitted to the SLO Co. Planning Department as part of CSI's scoping comments on the draft ordinance. It should be noted that it is CSI's long-standing position that an examination of sewage sludge management options should occur outside the CEQA/EIR umbrella, so that factors including capital investment, infrastructure, economics of scale, return on investment, etc. can be fully evaluated.

Supporting Documents re: Alternatives to Land Application:

A cursory search for information regarding alternative means of sewage sludge management yields the following results. SLO County has yet to acquire, analyze, and incorporate information like this into its policy formulation. SLO County must do so prior to selecting land application as a preferred method of managing sewage sludge.

[http://www.bayareabiosolids.com/yahoo\\_site\\_admin/assets/docs/WERF\\_EnergyOpportunities.17093944.pdf](http://www.bayareabiosolids.com/yahoo_site_admin/assets/docs/WERF_EnergyOpportunities.17093944.pdf)

WERF

Energy Opportunities in Wastewater and Biosolids

March 2009

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<http://www.epa.gov/region9/organics/symposium/2010/3-Quinn-PORS.pdf>

US EPA

Bay Area Regional Biosolids to Energy Partnership

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<http://www.bayareabiosolids.com/>

BayAreaBiosolids to Energy

A Regional Approach to Sustainable Energy

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<http://www.cityofpaloalto.org/civicax/filebank/documents/23065/>

Palo Alto

Renewable Energy Resources: Banking on Biosolids

National Association of Clean Water Agencies

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<http://www.renewableenergyworld.com/rea/news/article/2010/12/managing-biosolids-and-generating-green-energy>

Renewable Energy

Ventura

Managing Biosolids and Generating Green Energy

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<http://www.ncbi.nlm.nih.gov/pubmed/23529399>

US National Library of Medicine

National Institutes of Health

7-20-13

Biosolids management strategies: an evaluation of energy production as an alternative to land application

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It is recommended that energy generation replace land application as the leading biosolids management strategy.

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<http://thinkprogress.org/climate/2011/07/11/264897/sewage-sludge-energy/>

ThinkProgress

7-11-11

The Scoop on Poop: Turning Sewage Sludge into Energy and Dollars

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[http://www.pncwa.org/assets/2012Conf/Presentations/Session\\_20\\_Energy\\_Recovery/winkler\\_gasification\\_sludge\\_b](http://www.pncwa.org/assets/2012Conf/Presentations/Session_20_Energy_Recovery/winkler_gasification_sludge_b)

PNCWA

10-24-12

Gasification of Sludge and Biosolids-

A Review of Technology Fundamentals and the Current Commercial Status

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<http://www.nebiosolids.org/uploads/pdf/NE%20Conf.%202010/Alix-Gasificatn-10Nov10.pdf>

Biosolids Gasification - A Technology Review

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[http://www.bayareabiosolids.com/yahoo\\_site\\_admin/assets/docs/RenewableEnergyFocus.118105840.pdf](http://www.bayareabiosolids.com/yahoo_site_admin/assets/docs/RenewableEnergyFocus.118105840.pdf)

Renewable Energy Focus

Biowaste to energy demonstration project gets funding in US

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[http://www.bayareabiosolids.com/yahoo\\_site\\_admin/assets/docs/Physorg\\_-\\_Bioenergy\\_technology\\_coverts\\_wastewater\\_byproducts\\_to\\_hydrogen\\_-February\\_18\\_2014.10475252.pdf](http://www.bayareabiosolids.com/yahoo_site_admin/assets/docs/Physorg_-_Bioenergy_technology_coverts_wastewater_byproducts_to_hydrogen_-February_18_2014.10475252.pdf)

Physorg

2-18-14

Bioenergy technology converts wastewater products to hydrogen

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[http://www.bayareabiosolids.com/yahoo\\_site\\_admin/assets/docs/Press\\_Release\\_MaxWest\\_B2B\\_Selection.1047422](http://www.bayareabiosolids.com/yahoo_site_admin/assets/docs/Press_Release_MaxWest_B2B_Selection.1047422)

MaxWest

Max West Systems... BAB2E Project Implementation...

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<http://www.epa.gov/osw/hazard/wastetypes/wasteid/pdfs/gas-fs.pdf>

US EPA

February 2002

EPA Proposing to Allow Waste as an Energy Source for Synthesis Gas Production and Power Generation

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