

Delaware Sediment & Stormwater Program

*Regulatory Advisory
Committee Meeting
January 6, 2016*

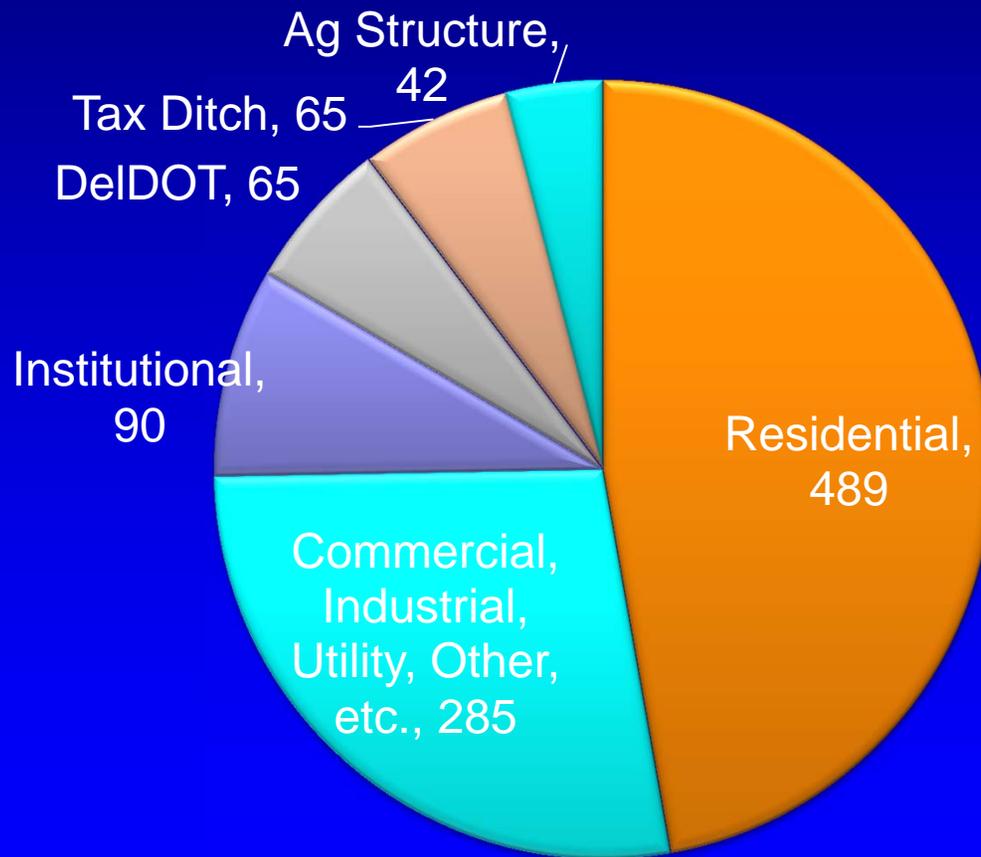
Meeting Agenda

- Introductions
- Secretary's Remarks
- Regulations Progress
- Lessons Learned & Improvements Needed
- Prioritization of Topics
- Workgroups
- Schedule Next Meeting
- Public Comment

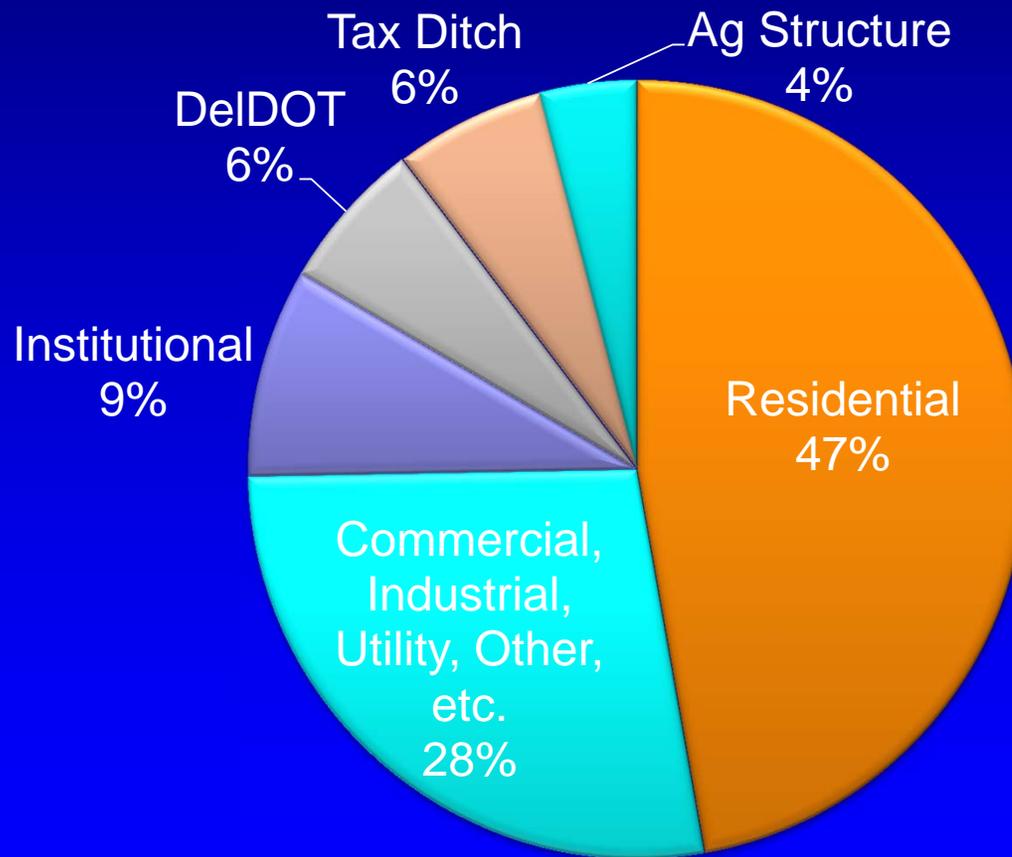
Regulations Progress

	Total Plan Approvals	Standard Plans	Detailed Plans
Residential	489	468	21
Commercial, Industrial, Utility, etc.	285	177	108
Institutional	90	46	44
DeIDOT	65	54	11
Tax Ditch	65	63	2
Ag Structure	42	35	7
Total	1036	843	193

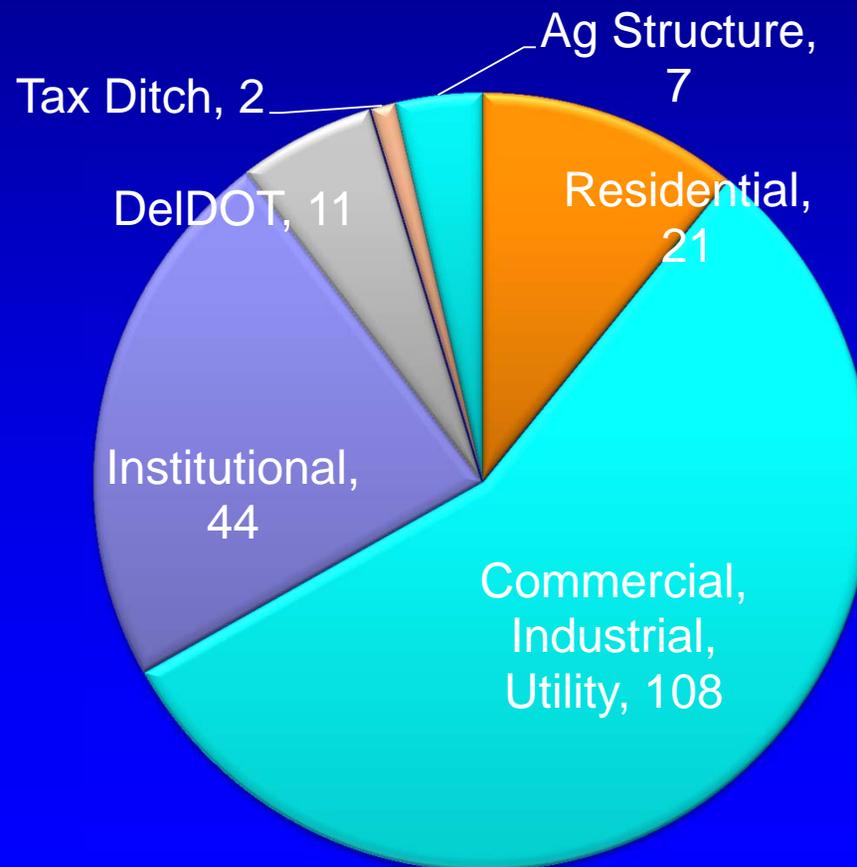
Total Plans Approved = 1,036



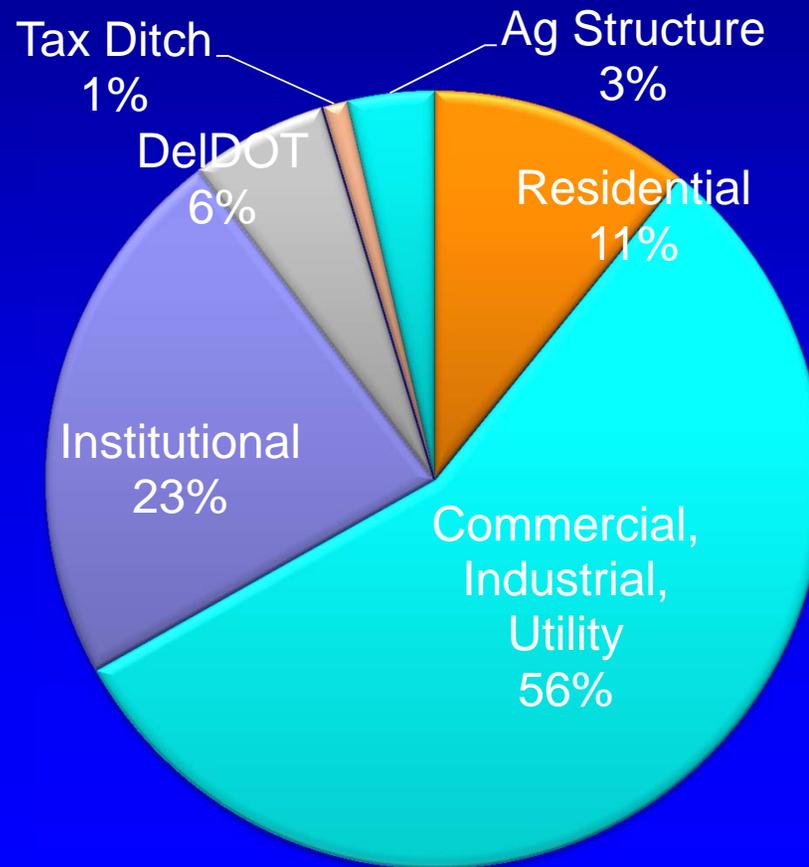
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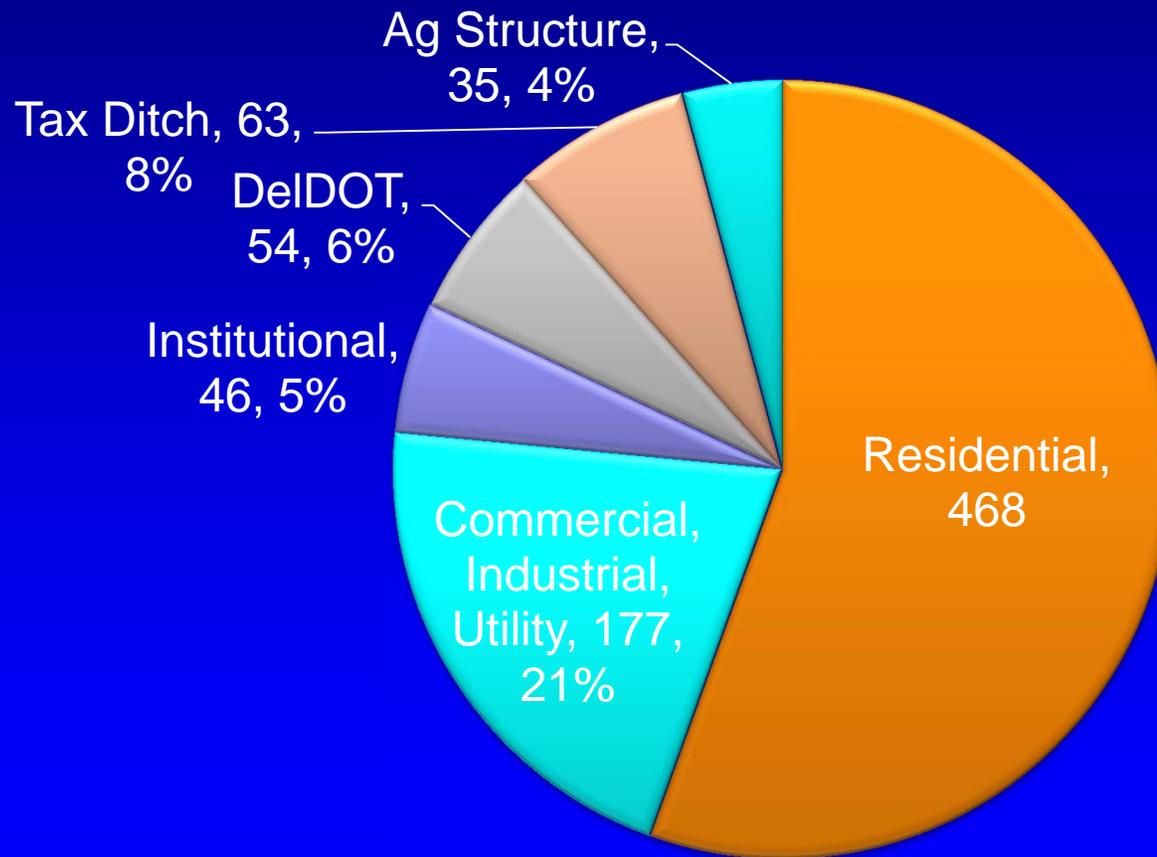
Detailed Plans Approved = 193



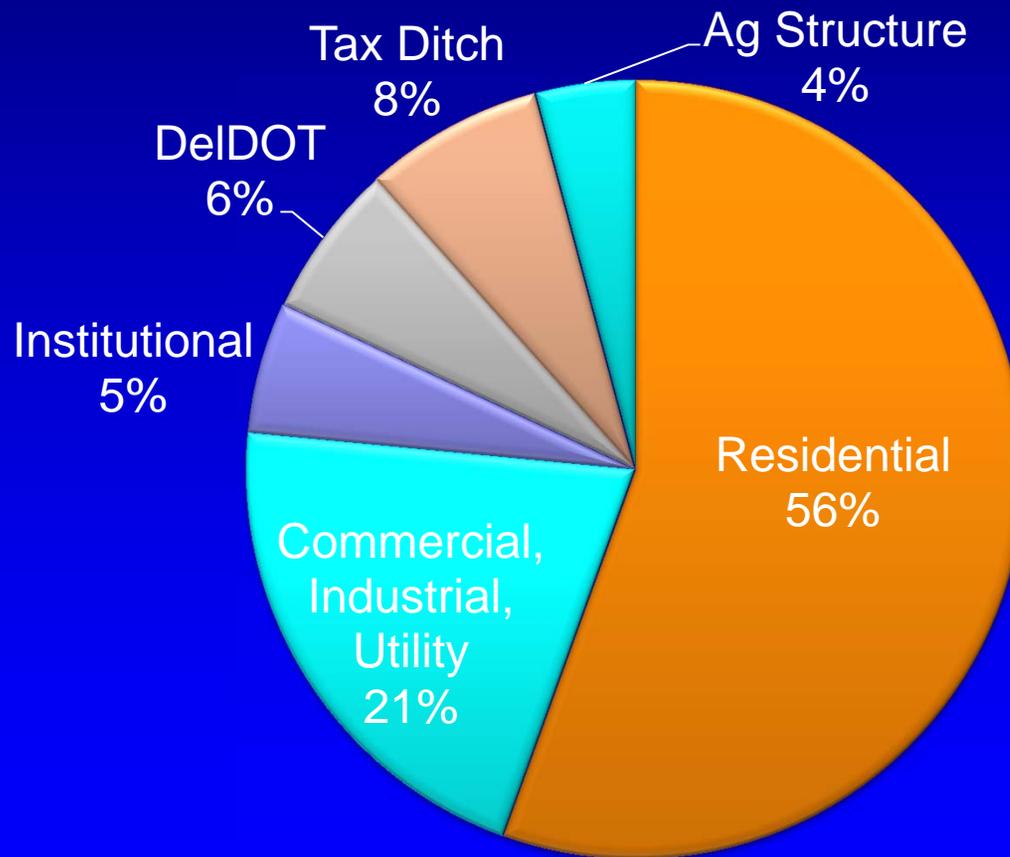
Detailed Plans Approved = 193



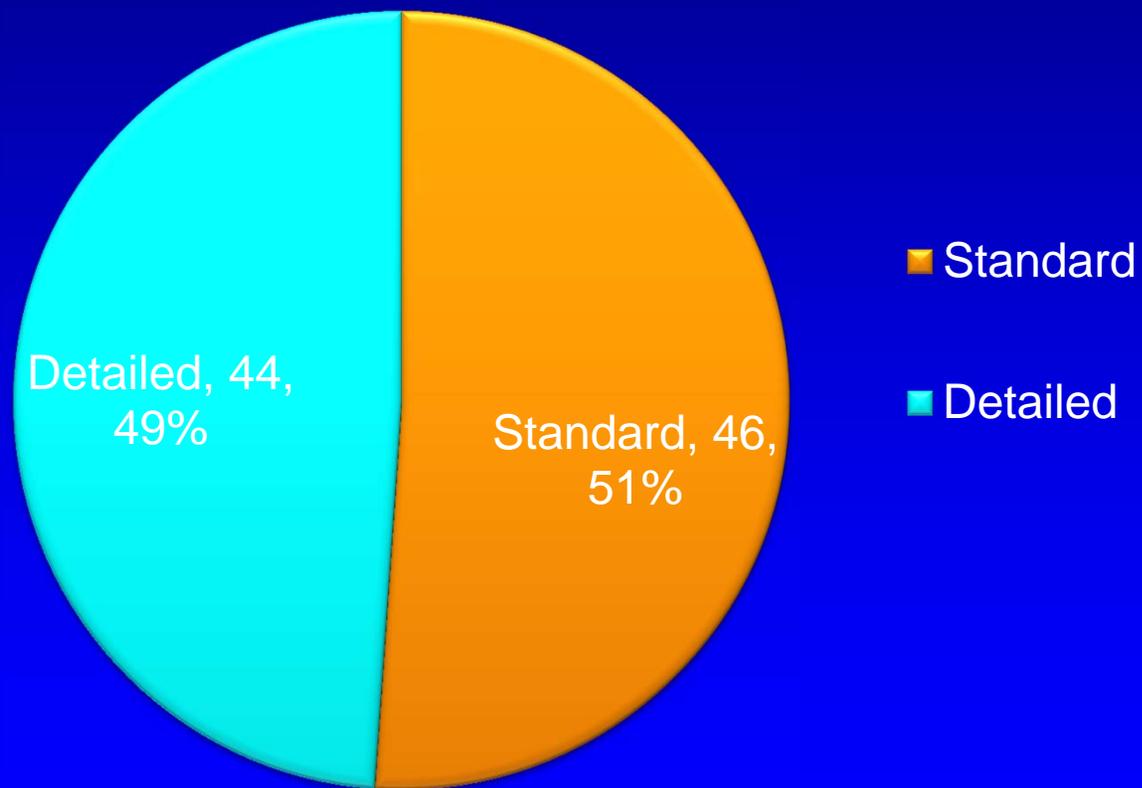
Standard Plans Approved = 843



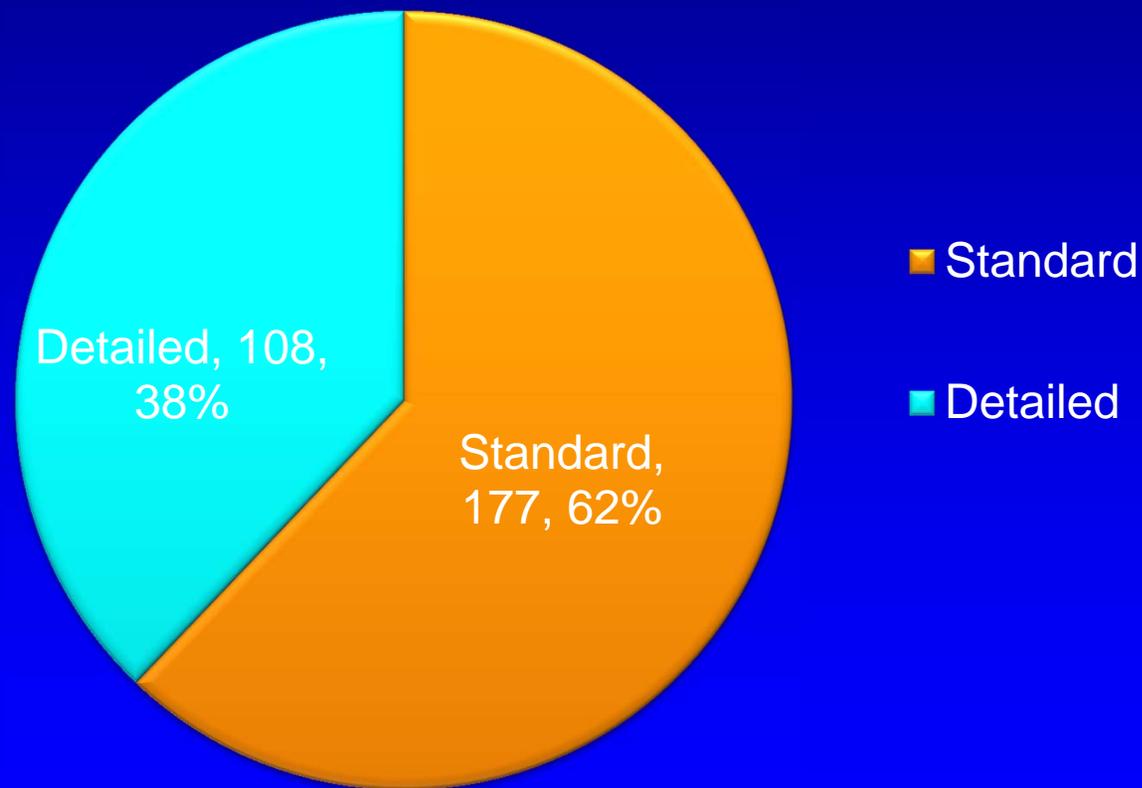
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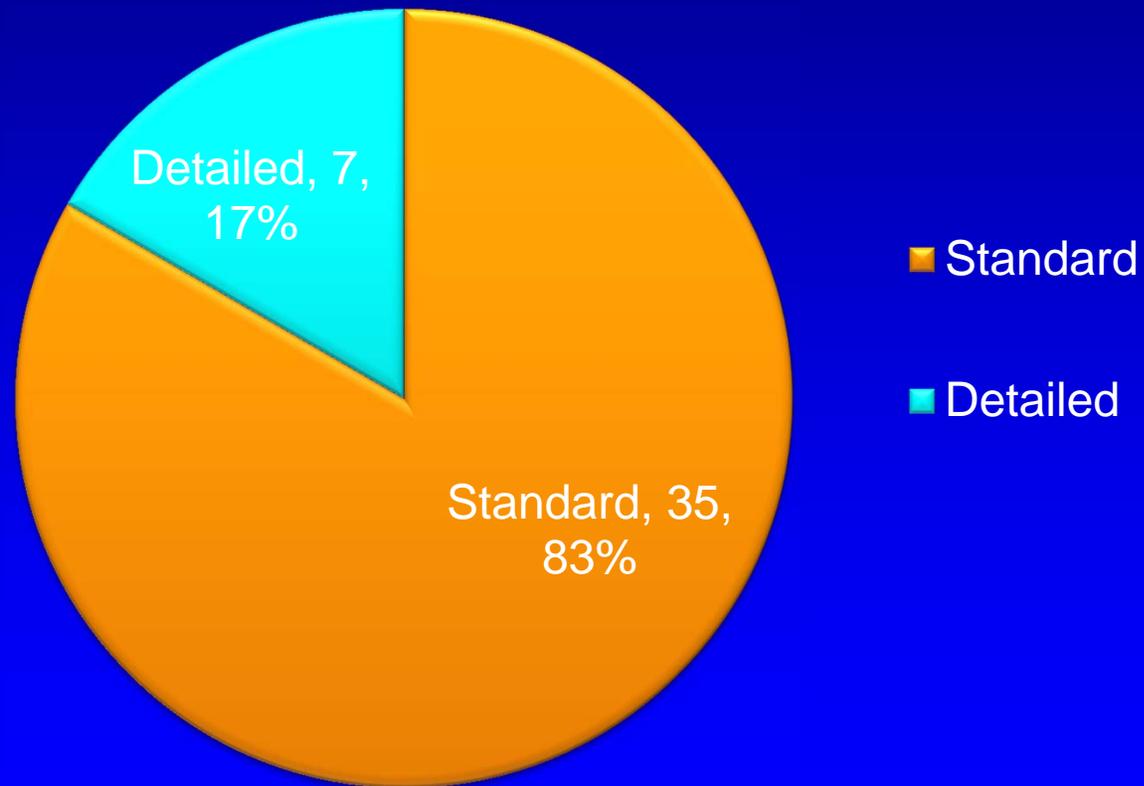
Institutional Approvals



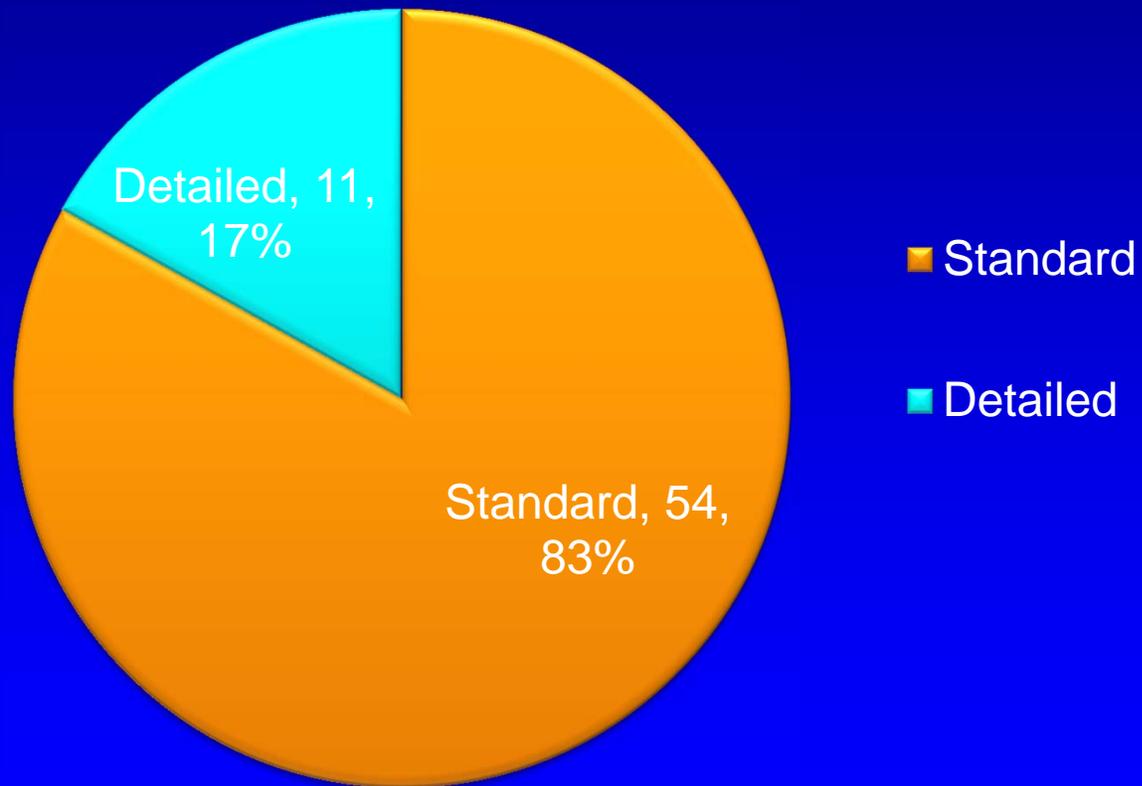
Commercial, Industrial, Utility, etc. Approvals



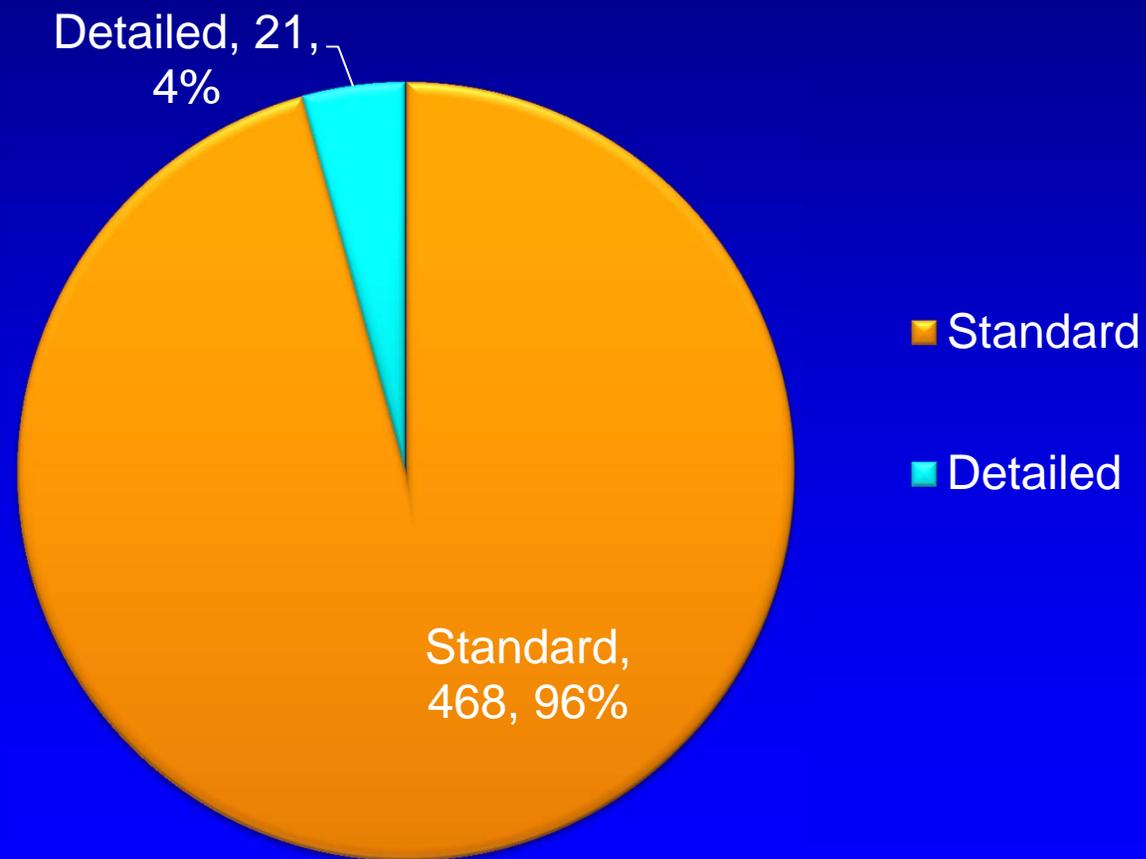
Ag Structure Approvals



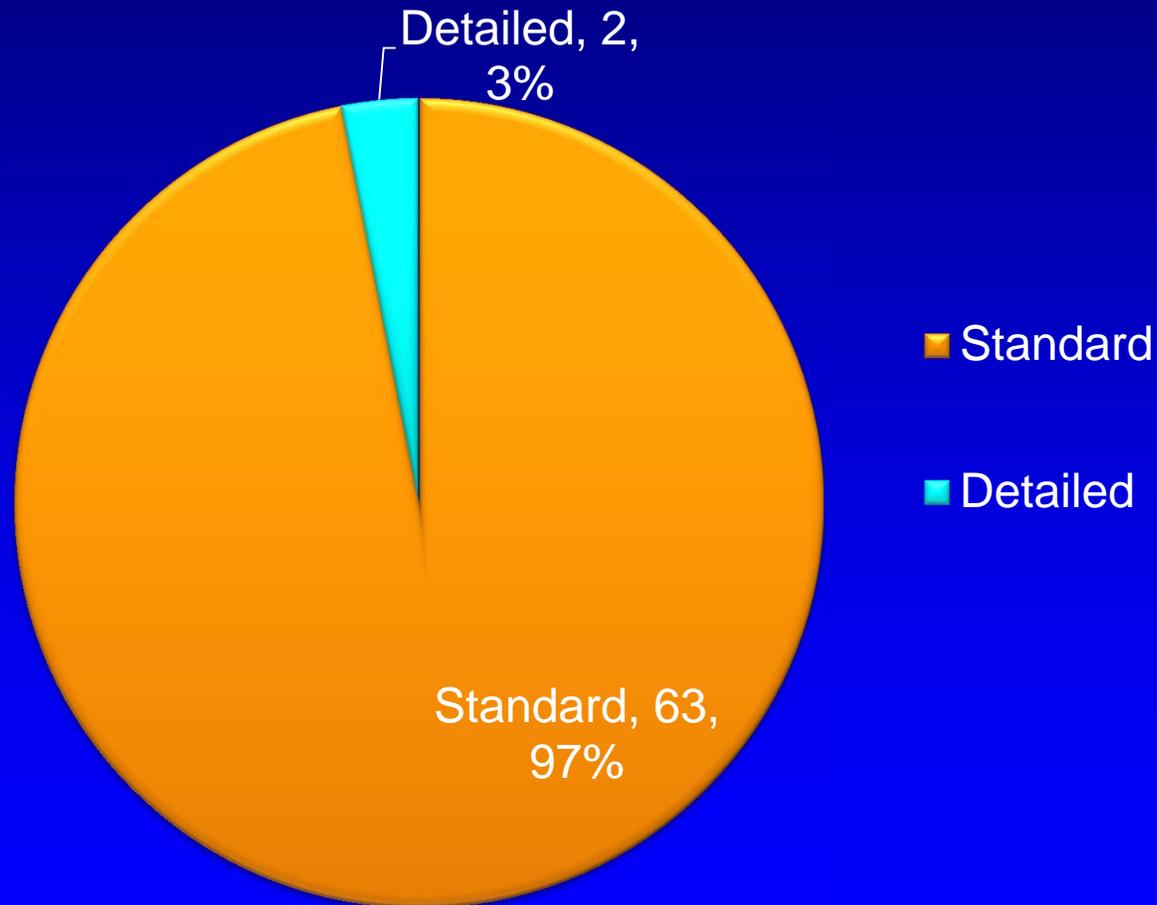
DeIDOT Approvals



Residential Approvals



Tax Ditch Maintenance Approvals



Regulations Progress - Updates to Tech Doc

- SAS Checklist
- Stormwater Assessment Report
- Project Application Meeting Discussion & Agreement Items
- Preliminary submittal checklist
- Sediment & Stormwater Plan submittal checklist

Regulations Progress - Updates to Tech Doc

- Standard Plan Criteria
 - Added the following:
 - Demolition
 - BMP Construction and Retrofit
 - Minor Bridge and Culvert Construction
 - Sidewalk, Trail or Other Linear Impervious
 - Modified:
 - Allow no change in CN as applicability criteria
 - Limits of disturbance = max. 5 acres

Regulations Progress - Updates to Tech Doc

- Compost Material Properties Spec
- Vegetated Channel Spec
- Soil Investigation Procedures

Regulations Progress - Updates to Tech Doc

- BMP construction checklists
- Post construction verification document checklist
- Maintenance review checklists

Regulations Progress - Updates to Tech Doc

- Variance request procedures
- Variance request forms
- Grandfathering scenarios

Training Provided

Training	Attendees	Contact Hours
Level 1 (2013-14)	299	1495
Level 2 (2014)	160	800
Level 3 (2014)	110	550
Designer Training (2015)	106	1060
Total (2013-2015)	675	3905

Questions?

Lessons Learned & Feedback On Improvements Needed

- Standard Plans
 - ✓ Residential

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 - Linear Projects

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 - ✓ Pre-calculated stormwater runoff computations for standard layouts

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- Standard Plans
 - ✓ Residential
 - Linear Projects
- Poultry House Projects
 - ✓ Pre-calculated stormwater runoff computations for standard layouts
 - ✓ Afforestation Stds & Specs

Lessons Learned & Feedback On Improvements Needed

- Re-Visit 3 Step Plan Review Process
- Simplify Stormwater Assessment Study
- Relax Setbacks for Infiltration Practices
- Expand BMPs for Sites w/High Water Table
 - ✓ Ephemeral wetlands
 - ✓ Submerged Gravel Wetlands

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- Re-Visit 3 Step Plan Review Process
- Simplify Stormwater Assessment Study
- Relax Setbacks for Infiltration Practices
- Expand BMPs for Sites w/High Water Table
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 - ✓ Submerged Gravel Wetlands
- Redevelopment Requirements

Lessons Learned & Feedback On Improvements Needed

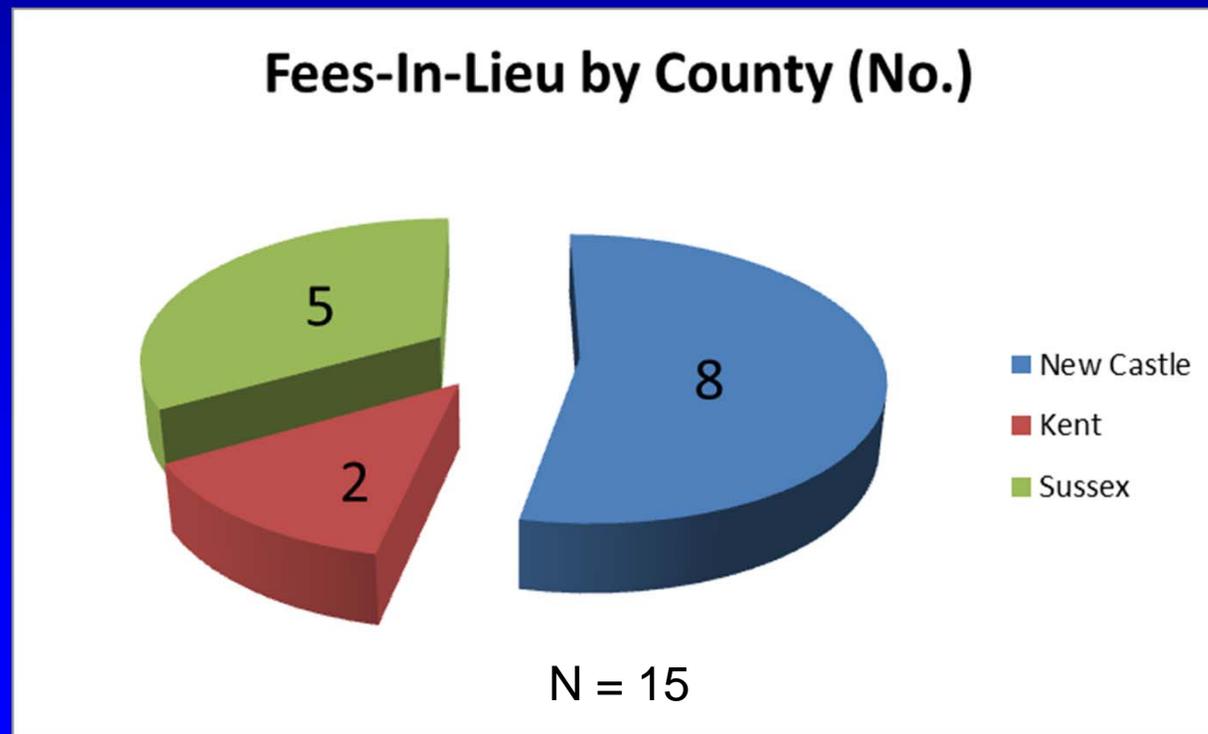
- Offsets & Fee-In-Lieu
 - Offsite management
 - Mitigation
 - Retrofits
 - Trading
 - Banking
 - Fee-in-lieu

Lessons Learned & Feedback On Improvements Needed

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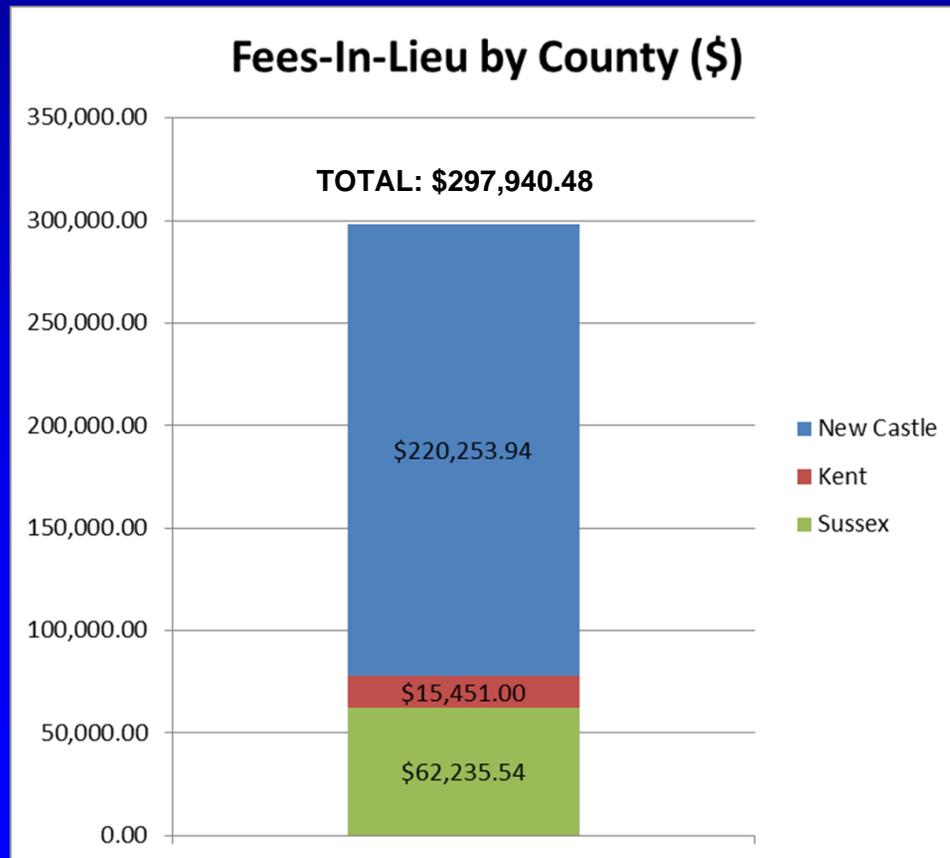
Lessons Learned & Feedback On Improvements Needed

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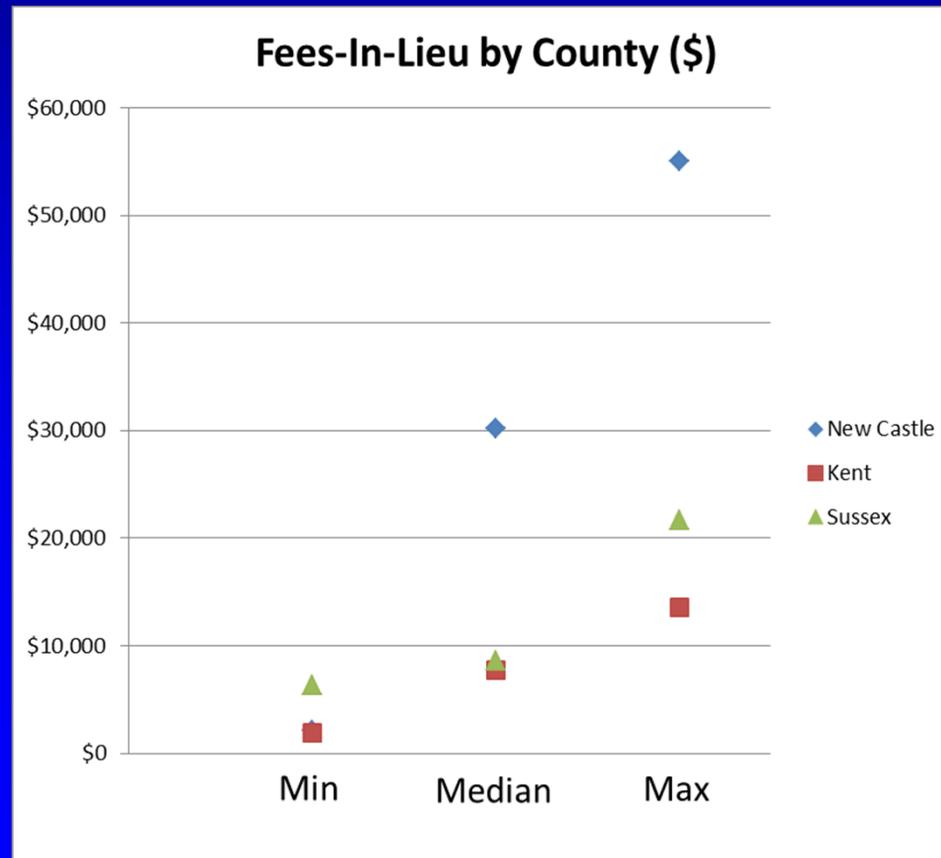
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- Offsets & Fee-In-Lieu



Lessons Learned & Feedback On Improvements Needed

- Offsets & Fee-In-Lieu
 - Offsite management
 - Mitigation
 - Retrofits
 - Trading
 - Banking

Lessons Learned & Feedback On Improvements Needed

- Standard Plans - Linear projects + others?
- Re-Visit 3-Step Plan Review Process
- Simplified Stormwater Assessment Study (SAS)
- Setback Requirements
- RPr Compliance & BMPS for High Water Table Sites
- Redevelopment Requirements
- Offsets & Fee-In-Lieu