

Chuck Corell

Water Quality Bureau

Ag & Natural Resources
Budget Subcommittee

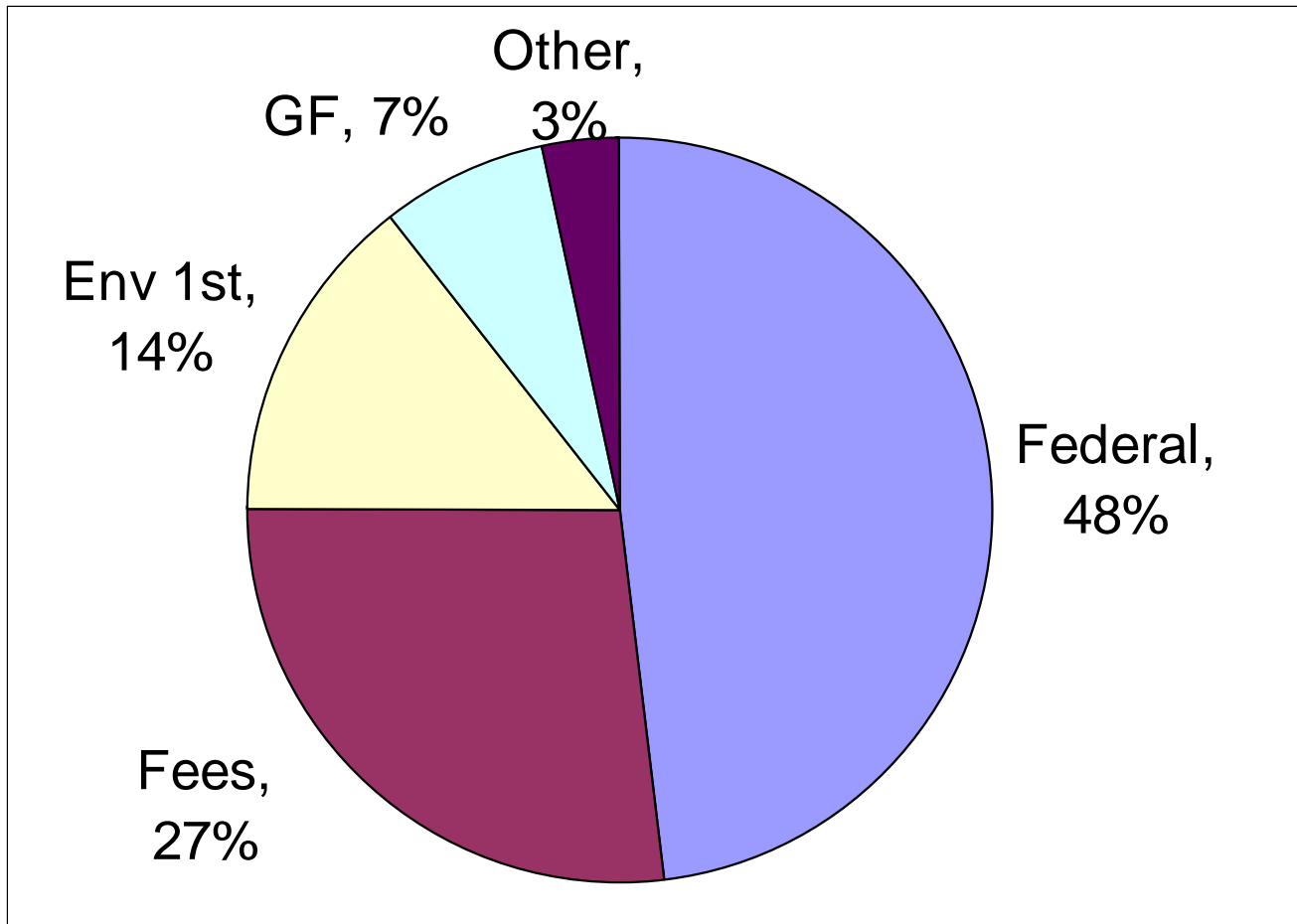
February 4, 2010

Water Quality Bureau

- Major Programs
 - Wastewater Permitting
 - Drinking Water Permitting
 - Flood Plains/Dam Safety
 - Water Allocation/Use
 - Water Quality Standards
- SFY 2010 Budget = \$12,906,000

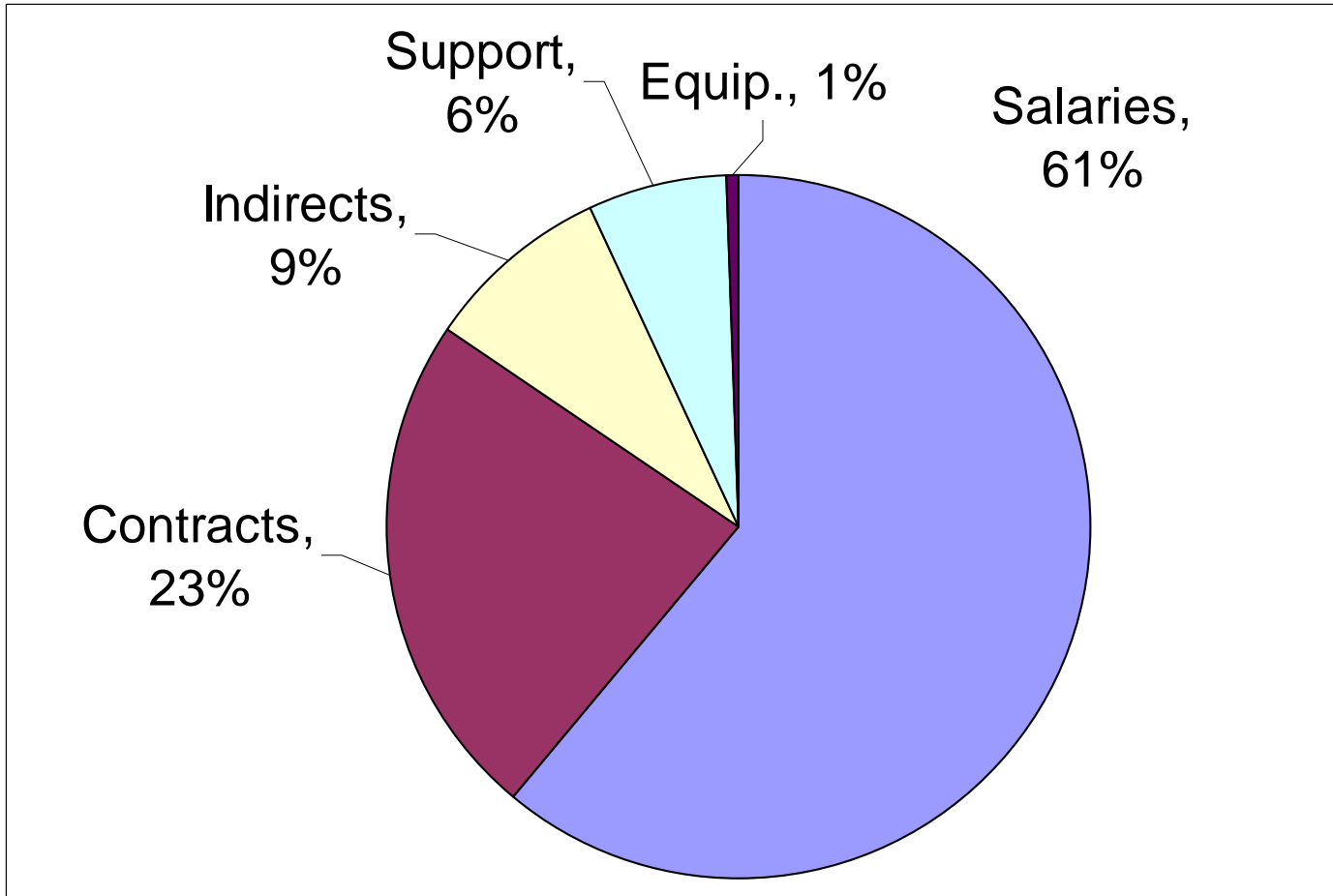
Water Quality Bureau

SFY 2010 Budget Revenues



Water Quality Bureau

SFY 2010 Budget Expenditures

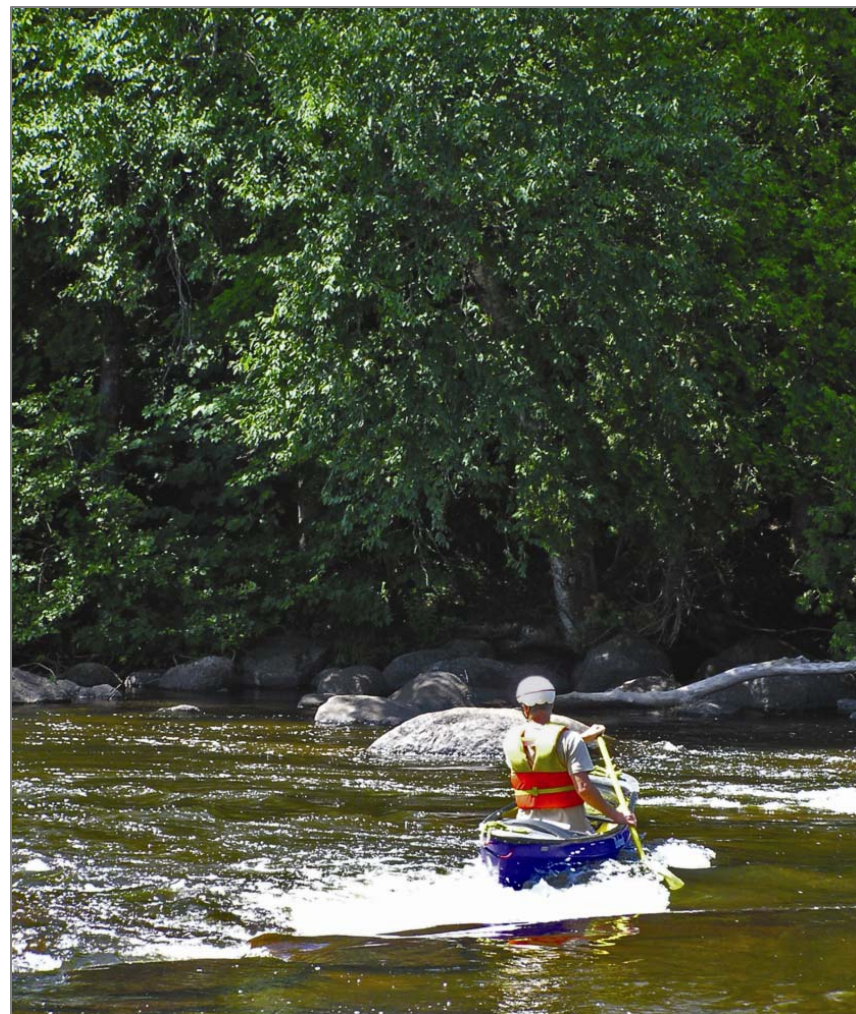


Wastewater Permitting

- Construction Permits
 - Municipal Wastewater Treatment
 - Sewers & Lift Stations
 - Industrial Wastewater Treatment
 - Animal Feeding Operations

Wastewater Permitting

- Operation Permits (NPDES)
 - Municipal
 - Industrial
 - CAFOs
 - Storm Water*
 - Discharging On-sites Systems*
- *General Permits



Drinking Water Permitting

- Construction Permits
 - Public Water Supplies
 - Communities
 - Non-communities
 - Rural Water Systems

Drinking Water Permitting

- Operation Permits
 - All Public Water Supplies
 - Customize Federal Requirements



Flood Plains & Dam Safety

- Reduce Impacts from Flooding
 - Permits for Developments in FP
 - Technical Assistance
 - Support for Local FP Programs
- Maintain Safety of Dams
 - Permits
 - Technical Assistance to Owners

Water Allocation & Use

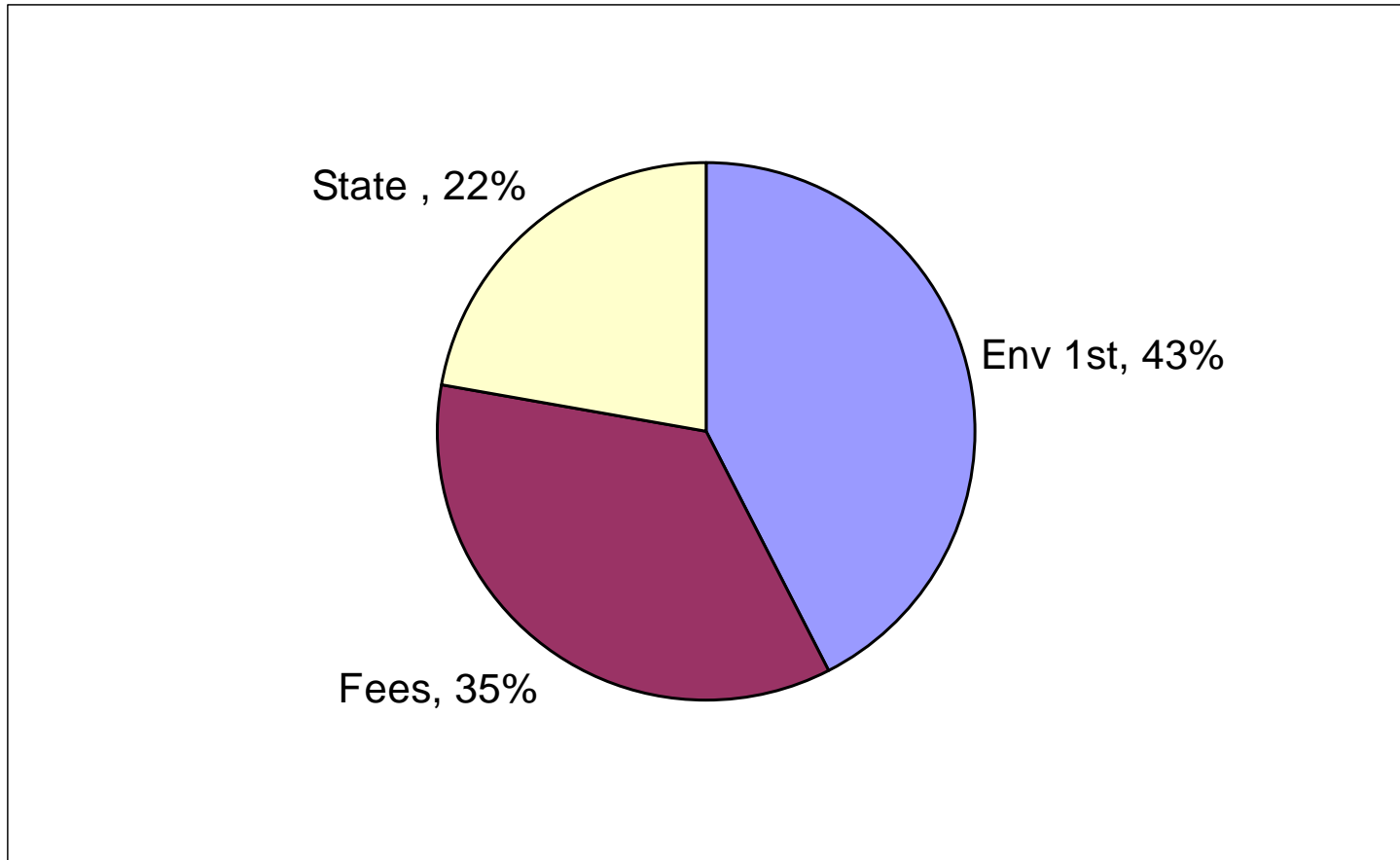
- Issue Permits for Use, Storage and Withdrawal of Water
 - Allocate Water Among Competing Uses
 - Protect Resource from Over Use
- Investigate/Mitigate Conflicts
- Supported by
 - Fees from Permit Holders
 - General Fund

Water Allocation & Use

- Determine Sustainable Levels of Use for Groundwater Aquifers
 - Geologic Investigations
 - Analyze Existing Data
- Supported by Infrastructure Funds

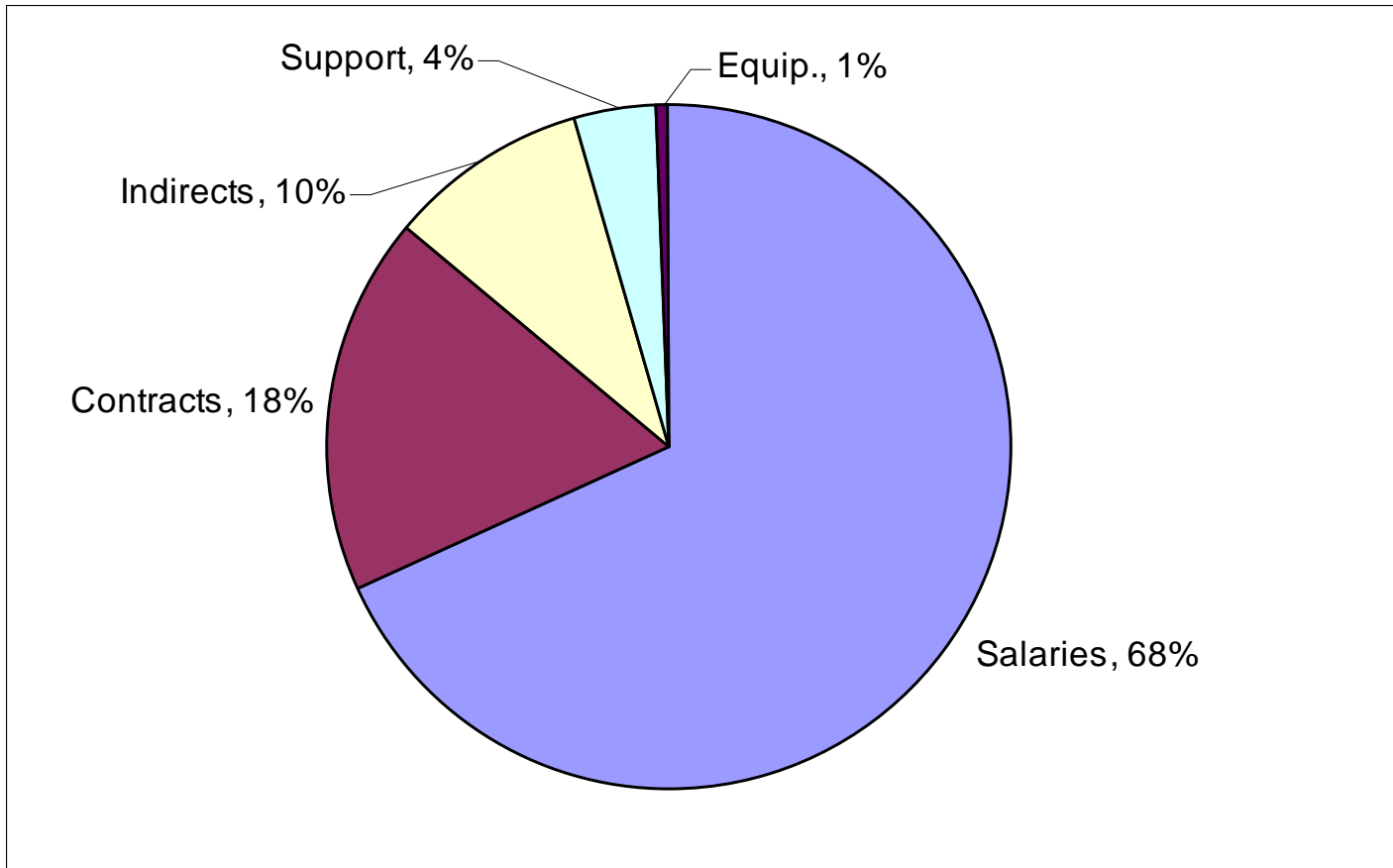
Water Allocation & Use

SFY 2010 Budget Revenue



Water Allocation & Use

SFY 2010 Budget Expenditures



Water Allocation & Use

- Improved Permit Review Process
 - Reduce Interference & Conflicts
- Web-based Reporting System
 - Easier for Permit Holders
 - More Complete Use Information

Water Allocation & Use

- Completed Aquifer Studies
 - Dakota (NW Ia) in FY08
 - Jordan (statewide) FY09
 - Marion Increase
 - Storm Lake Area Maxed Allocation
- Alluvial Aquifer Study FY10
 - W. Fork Nishnabotna (SW Ia)

Water Quality Standards

- Goals for the Quality Iowa Waters
 - Designated Uses
 - Criteria Necessary to Support Uses
 - Antidegradation



Antidegradation

- Purpose
 - Keep Clean Waters Clean
 - Not for Cleaning Up Polluted Waters

Antidegradation

40 CFR 131.12

Antidegradation policy.

(a) The State shall develop and adopt a statewide antidegradation policy and identify the methods for implementing such policy pursuant to this subpart.

Antidegradation

- Applies to
 - New Source of Pollution
 - Existing Source Wanting to Increase Pollution
- Implemented Through
 - NPDES (Discharge) Permits
 - 404 Wetland Permits (COE)



Antidegradation

Concept

- Before Allowing More Pollution
 - Consider Reasonable Alternatives
 - Describe Importance of Project
 - Notify the Public

Antidegradation

Example: New Industry

- Cooling Water Discharge
 - Large Volume, Low Pollutants

- Reasonable Alternatives

Irrigation, Reuse, Recycling, Treatment

Antidegradation

Example: New Industry

- Cooling Water Discharge
 - Large Volume, Low Pollutants
- Importance
 - Add Jobs Increase Tax Base
 - Diversify Economy Attract New Residents
- Notify Public

Antidegradation

Example: Growing City

- Amend Permit for More Pollution
 - Which Pollutants Increase
 - CBOD₅, Ammonia, Bacteria
 - Base Alternative
 - Trickling Filter, Disinfection w/Chlorine

Antidegradation

Example: Growing City

- Reasonable Alternatives

More/Better Treatment

Irrigation

Ultraviolet Light

Antidegradation

Example: Growing City

- Importance

Accommodate Growth

Replace/Update Infrastructure

- Notify Public

Antidegradation

Outstanding Iowa Waters (Tier 2.5)

–Deserve More Protection

Antidegradation

Outstanding Iowa
Waters (Tier 2.5)

Exceptional Water
Quality



Antidegradation

Outstanding Iowa Waters (Tier 2.5)

Significant Recreational Resource



Antidegradation

Outstanding Iowa Waters (Tier 2.5)

Unique Ecology



Questions?

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