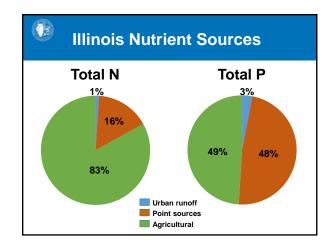




> 15% reduction in N





IL Nutrient Loss Reduction Strategy

- > Nutrients are the #1 focus of USEPA
- > Dead Zone in Gulf, Lake Erie Algal Blooms
- > P-Freshwater, N-Salt Water
- Statewide Nutrient Loss Reduction Strategy (Strategy) released in 2015
- > Strategy Objectives
 - 1. Address Gulf Hypoxia by reducing nutrient loss to IL waters and Gulf of Mexico by 45%
 - 2. Improve local water quality

Nutrient Water Quality Criteria

Nutrient Science Advisory Council (NSAC)

- > Selected by the Strategy Policy Working Group
- Evaluate all IL data and develop N and P criteria based on cause and effect relationships
- > Recommendation to IEPA end of 2017
- > To IPCB end of 2018
- Possible Outcomes
 - ➤ USEPA Ecoregion Criteria 0.072
 - ➢ Wisconsin − 0.075 (Adaptive management option)

	Influent lb/d	Effluent lb/d	% Removal
Stickney	53,822	3,430	96%
Calumet	12,500	4,400	64.8%
O'Brien	6,593	2,606	60.5%
Kirie	985	134	86.4%
Egan	1,186	582	59.9%
Hanover Park	339	190	43.9%
Lemont	83	49	40.2%
Total	75,507	11,392	84.9%

District Nutrient Estimated Cost

435,212

159,654

477,677

21.653

15,277

20,201

5,682

1,135,356

**Credit Costs on Agricultural Land: 2,000,000 pounds at \$10/lb

Annual O&M (1000 \$)

36.404

13,354

42,498

1,811

1,278

1,797

505

97,647

Annualized (1000 \$)

79,925

29,320

90.266

3,977

2,806

3.817

1,074

211,185

0.1 mg/l

Stickney

Calumet

O'Brien

Kirie

Egan

Lemont

Total

Hanover Park



👣 Legislative Agenda - Language

(a) In the event that nutrient trading to meet water quality standards is available in Illinois, the sanitary district shall have the authority to participate in the program throughout

(b) The authorizations granted to the sanitary district under this Section shall not be construed as modifying or limiting any other law or regulation. Any actions taken pursuant to the authorities granted in this Section must be in compliance with all applicable laws and regulations, including, but not limited to, the Environmental Protection Act, and rules

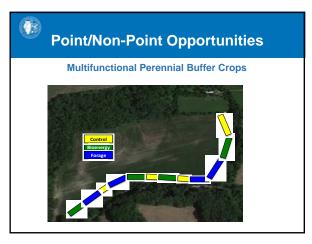
70 ILCS 2605/

adopted under that Act.

the State.











Survivor Pension Benefit

• June 1, 2014 - the Illinois Religious Freedom and Marriage Fairness Act went into effect, legalizing same-sex marriage, leaving in place the Civil Union Act, and providing for voluntary conversion of civil unions into marriages.

Background

Background

- July 29, 2016 Public Act 99-0682 went into effect, amending 3 State of Illinois retirement systems to provide for extension of survivor pension benefits to certain partners. The 3 State systems are:
 - Illinois Teachers Retirement System (ITRS) State Universities Retirement System (SURS) Illinois Municipal Retirement Fund (IMRF)
- · Each retirement system changed its eligibility for survivor pension benefits in different ways, and two of these - SURS and IMRF were changed similar to the board requested information.



Survivor Pension Benefit

- June 1, 2011 Illinois Religious Freedom Protection and Civil Union Act ("Civil Union Act") went into effect; allows two persons of the same or opposite gender to enter into a legal relationship referred to as a civil union.
- Parties to the civil union have the same obligations, responsibilities, protections and benefits afforded by Illinois law to a married couple.
- As a result of the Civil Union Act, all pension benefits previously made available by the District's Retirement Fund to a married retiree and his or her spouse, are now benefits that are available to parties of a civil union.

System	Terms of Eligibility	Terms of Election	Terms of Repayment
IMRF	* Retired before 6/1/2011; * Parry to a civil union after 6/1/2011 or a marriage after 2/26/2014 or party to other legal relationship that was not recognized by IL until 2/26/14.	Elect to establish surviving spouse annuity eligibility for an eligible spouse within a 12-month period which began 5 months after the bill's passage.	Allowed a period of ≤ 24 months to make payments. Interest is charged at the actuarially assumed rate of return. Interest is charged from the date of the refund to the date of the election.
SURS	* Retired before 6/1/2011; * Party to a civil union after 6/1/2011 or a marriage after 2/26/2014 or party to other legal relationship that was not recognized by IL until 2/26/14.	Elect to establish surviving spouse annuity eligibility for an eligible spouse within a 12-month period which began 5 months after the bill's passage.	Allowed a period of ≤ 24 months to make payments. Interest is charged at the actuarially assumed rate of return. Interest is charged from the date of the refund to the date of the election.



Survivor Pension Benefit

Eligibility and Cost Considerations

- Only available to annuitants who retired prior to June 1, 2011 and received a spousal refund at the time of their separation from service
- Election Period to establish survivor benefit (1 year)
- Re-payment period of spousal refund + actuarial rate of return (7.5%) (24 months)





Survivor Pension Benefit

Eligibility and Cost Considerations

Hypothetical Retiree

- Annuity effective September 2009
- Age 56, 30 years of service
- · Original monthly annuity \$7.800
- No spouse refund \$30,000
- · Current Monthly Annuity \$9,500 Cost to repay as of 3/1/2017 ≈ \$52,000
- Provides a surviving spouse annuity of $85\%^1$ of the member's annuity at death, currently \$8,075 ($\$9,500 \times 0.85$)
- $^{\rm 1}$ Surviving spouse annuity is calculated as 60% plus 1% per year of service to a maximum of 85% of the member's annuity at death



🕼 Other Post-Employment Benefits (OPEB)

- Realize value from District-owned real estate that is currently under lease in order to receive immediate benefits from the District's Other Post-Employment Benefit Trust (OPEB).
- Katten Muchin Bond counsel looking into appropriate investment vehicle
- KPMG Exploring accounting path forward
- · Next see if both worlds can intersect
- Worth pursuing \$100,000,000 value over 10 years
- · If confirmed, present to the board at a future date...



🕼 Survivor Pension Benefit

Eligibility and Cost Considerations

Actuarial cost impact to the Fund

- · The member's plan liability is approximately \$1.6 million (assuming no surviving spouse annuity liability)
- Liability increases to around \$1.78 million if there is a surviving spouse benefit, or an increase of \$180,000.
- Assuming repayment of the refund, the net increase in the liability is \$128,000 (\$180,000 - \$52,000 repayment).
- This calculation reflects an 85% continuation percentage. If a member is eligible for a smaller percentage, the increase in liability would be smaller. Additionally, this reflects a female member with a female spouse that is three vears older than the member.

