Tools to Analyze Financial Positions & Assist with Fiscal Transparency

August 24, 2018
Local Government Financial Transparency through Gateway

Matthew Parkinson
Deputy Commissioner and Chief of Staff
Indiana Public Finance Leadership Summit
August 24, 2018
Gateway Overview

- Online portal used to submit local government financial data.
- Two primary purposes:
  - Collection of forms and figures from local officials.
  - Transparency for the general public.
Data Analysis at DLGF

Data Compliance

- Sales
- Tax Bills
- Real Property
- Personal Property
- Mobile Assessments
## Sales Compliance

- Performed each spring.
- Predecessor to ratio studies.
- Required fields include buyer, seller, parcel number, and sales price.
## Data Analysis at DLGF

### Tax Compliance

- Performed each spring.
- Tax Bills comparisons to county abstracts.
- Checks for credits and deductions.
Data Analysis at DLGF

Real Property Compliance

- Performed in fall and spring.
- Assessment of real property.
- Required fields include parcel number, tax district code, owner information, assessed value, and property class code.
**Personal Property Compliance**

- Performed in fall and spring.
- Assessment of personal property.
- Required fields include property number, owner information, and assessed value.
<table>
<thead>
<tr>
<th>Mobile Property Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Performed in summer</td>
</tr>
<tr>
<td>• Assessment of mobile property</td>
</tr>
<tr>
<td>• New in 2015</td>
</tr>
<tr>
<td>• Focus on Vehicle Identification Number</td>
</tr>
</tbody>
</table>
Main DLGF Databases

- Logodaba
- Gateway
- State Budget Agency Data
- Sales Data
• Local Government Database (LOGODABA) has been the main source of budget related data for 30+ years.
Gateway

- Database and application hosted on IBRC servers.
- https://gateway.ifionline.org/
Assessment and Tax Bill Tables

• Four data sets are uploaded and hosted on the state network.
  – Real Property Submission from assessors.
  – Personal Property Submission from assessors.
  – Mobile Property Submission from assessors.
  – Tax Data from auditors.
Sales Data

- Tracks most sales of real property across the state
- [http://gatewaysdf.ifionline.org](http://gatewaysdf.ifionline.org)
Interactive Dashboard

- IC 5-14-3.9.
- Uses budget, AFR, 100R, and debt data.
- Local governments must post a link on their own website.
Interactive Dashboard

Bremen town

Taxes

Property Tax Rate in 2017
1.3699
12.5% chg. 2012-2017

Total Tax Levy in 2017
$2,485,254
14.2% chg. 2012-2017

Certified Net Assessed Value in 2017
$181,418,642
1.5% chg. 2012-2017

Budget and Expenditures
Property Tax Summaries

- Revised version debuted in 2018.
- Displays data about levies, circuit breakers, and assessments using a combination of charts and graphs.
Property Tax Summaries

County

Property Tax Summary 2017
Who Levies for Property Taxes?

Marshall

City/Town: 19.3%
Conservancy: 44.0%
Library: 5.5%
School: 26.3%
Special: 0.7%

County - $8,525,636
Township - $1,883,990
City/Town - $11,643,593
School - $19,454,618
Library - $2,432,367
Special - $306,913
Property Tax Summaries

Property Tax Paid (Net Tax Due) by Property Class

Selected: Marshall

- Utility
- Exempt
- Residential
- Commercial
- Industrial
- Agricultural
Local Contract Search

- Local governments must upload contracts exceeding $50,000.
- IC 5-14-3.9.
- [https://gateway.ifionline.org/public/contract-search/](https://gateway.ifionline.org/public/contract-search/)
Local Contracts Search

Indiana Code 5-14-3.8-3.5 requires political subdivisions to upload digital copies of contracts to Gateway. Political subdivisions are instructed to upload contracts if the total cost of the contract exceeds $50,000.

Search using any of the criteria below:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Marshall</td>
</tr>
<tr>
<td>Unit Type</td>
<td>County</td>
</tr>
<tr>
<td>Unit Name</td>
<td></td>
</tr>
</tbody>
</table>

Search

Sort any column by clicking on the column name, or apply additional filters via the embedded text boxes. To apply an additional filter, type in the number or word, select the filter icon to the right of the box, and choose the type of filter that should be applied. By default, this page will display a maximum of 200 search results. You may view additional results by clicking the arrows at the bottom of the search results list.

<table>
<thead>
<tr>
<th>Unit</th>
<th>County</th>
<th>Vendor</th>
<th>Est. Cost</th>
<th>Sign Date</th>
<th>End Date</th>
<th>Date Added</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marshall</td>
<td>Caterpillar Financial Services Corporation</td>
<td>$301,711.06</td>
<td>08/18/2017</td>
<td>08/18/2024</td>
<td>10/12/2017</td>
</tr>
</tbody>
</table>

File Name: Caterpillar Financial Services Corporation.pdf
Upload Date: 10/12/2017
Download

1 file(s) uploaded
Last upload: 10/12/2017 2:07:55 PM
Page size: 10
Next Steps

- More GIS tools.
- Current Examples:
  - Budget Notices:
    [http://budgetnotices.in.gov/](http://budgetnotices.in.gov/)
  - Report Builder – Search by Address:
    [https://gateway.ifionline.org/report_builder/](https://gateway.ifionline.org/report_builder/)
Next Steps

• Additional and more user-friendly download tools.
• Current data sets available for download include AFR data, budget data, real property assessments, and tax bills.
• [https://gateway.ifionline.org/public/download.aspx](https://gateway.ifionline.org/public/download.aspx)
• Upcoming: Form 22.
• Upcoming: Smaller data sets.
Thank you!

- Matthew Parkinson, Deputy Commissioner and Chief of Staff
  - Telephone: 317.232.3759
  - E-mail: mparkinson@dlgf.in.gov
  - Website: www.in.gov/dlgf
  - “Contact Us”: www.in.gov/dlgf/2338.htm
Property Tax, Income Tax & Utility Rate Benchmarking & Analysis

Dan Hedden, CPA, Partner
(317) 465-1500
hedden@umbaugh.com

Jeff Rowe, CPA, Partner
(574) 935-5178
rowe@umbaugh.com

Andy Mouser, CIPMA, Manager
(317) 465-1500
mouser@umbaugh.com
Correlations

- If assessed value increases, tax rates decrease

- If assessed value decreases, tax rates increase

- If assessed value stable, but levies increase… then tax rates increase… and Circuit Breaker losses increase.
HISTORICAL AGRICULTURAL LAND VALUES

Note: Assumes total farm land acreage in Starke County is 133,459 acres per the USDA Census of Agriculture.
Projected decrease in ag land from $1,850 per acre to $1,500-1,600 per acre based on 6-year rolling average.
HISTORICAL NET ASSESSED VALUATION ANALYSIS
Starke County and Surrounding Counties

Year Taxes Payable

- Benton County
- Fulton County
- Jasper County
- Marshall County
- Pulaski County
- Starke County

YEAR


TAXES PAYABLE

- $0
- $500,000,000
- $1,000,000,000
- $1,500,000,000
- $2,000,000,000
- $2,500,000,000
- $3,000,000,000

INDIANA PUBLIC FINANCE LEADERSHIP SUMMIT
Breakdown of County Assessed Value by Property Type

Gross Assessed Value
- Ag & Farm Land: 21.6%
- Industrial: 7.2%
- Commercial: 4.3%
- Residential: 62.9%
- Utilities: 0.1%
- Tax Exempt: 1.3%
- Personal Property: 0.0%

Net Assessed Value
- Ag & Farm Land: 26.8%
- Industrial: 3.4%
- Commercial: 6.2%
- Residential: 53.1%
- Utilities: 0.0%
- Tax Exempt: 10.3%
- Personal Property: 0.0%
Net Assessed Value Comparison - Takeaways

Less reliant on agricultural and farm land assessed value than Fulton, Benton and Pulaski Counties
- Less benefit in prior years from increased assessments per acre
- Less risk in future years from projected decreases

Less reliant on personal property than all peer counties
- Benton – wind farms
- Jasper – NIPSCO generating station

More reliant on residential property
## Largest Personal Property Investments

(Taxes Payable 2017)

<table>
<thead>
<tr>
<th>County</th>
<th>Largest Investment - Taxpayer</th>
<th>Largest Investment - Net Assessed Value</th>
<th>Investments Over $5 Million Net AV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benton</td>
<td>Fowler Ridge Wind Farm LLC</td>
<td>$80,899,618</td>
<td>12</td>
</tr>
<tr>
<td>Jasper</td>
<td>NIPSCO</td>
<td>331,462,760</td>
<td>6</td>
</tr>
<tr>
<td>Pulaski</td>
<td>Plymouth Tube Company</td>
<td>8,240,690</td>
<td>2</td>
</tr>
<tr>
<td>Fulton</td>
<td>Rochester Metal Products Corp.</td>
<td>14,700,040</td>
<td>1</td>
</tr>
<tr>
<td>Marshall</td>
<td>Coleman Cable LLC</td>
<td>21,623,040</td>
<td>8</td>
</tr>
<tr>
<td>Starke</td>
<td>Norton Packaging Inc.</td>
<td>4,873,760</td>
<td>0</td>
</tr>
</tbody>
</table>
# Residential Property Statistics

<table>
<thead>
<tr>
<th></th>
<th>Starke</th>
<th>Benton</th>
<th>Fulton</th>
<th>Jasper</th>
<th>Marshall</th>
<th>Pulaski</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupied</td>
<td>80%</td>
<td>88%</td>
<td>82%</td>
<td>90%</td>
<td>87%</td>
<td>86%</td>
</tr>
<tr>
<td>Vacant</td>
<td>20%</td>
<td>12%</td>
<td>18%</td>
<td>10%</td>
<td>13%</td>
<td>14%</td>
</tr>
</tbody>
</table>

## Year Built:

<table>
<thead>
<tr>
<th></th>
<th>Starke</th>
<th>Benton</th>
<th>Fulton</th>
<th>Jasper</th>
<th>Marshall</th>
<th>Pulaski</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010s</td>
<td>0.9%</td>
<td>0.5%</td>
<td>0.6%</td>
<td>1.2%</td>
<td>1.5%</td>
<td>1.3%</td>
</tr>
<tr>
<td>2000s</td>
<td>13.1%</td>
<td>5.2%</td>
<td>10.4%</td>
<td>20.1%</td>
<td>9.7%</td>
<td>10.1%</td>
</tr>
<tr>
<td>1990s</td>
<td>14.1%</td>
<td>6.7%</td>
<td>14.0%</td>
<td>18.4%</td>
<td>16.5%</td>
<td>13.0%</td>
</tr>
<tr>
<td>1980s</td>
<td>7.1%</td>
<td>6.5%</td>
<td>7.2%</td>
<td>8.2%</td>
<td>10.2%</td>
<td>8.4%</td>
</tr>
<tr>
<td>1970s</td>
<td>19.0%</td>
<td>12.8%</td>
<td>16.6%</td>
<td>18.2%</td>
<td>13.7%</td>
<td>11.1%</td>
</tr>
<tr>
<td>1960s</td>
<td>8.8%</td>
<td>10.8%</td>
<td>7.3%</td>
<td>7.6%</td>
<td>7.7%</td>
<td>9.6%</td>
</tr>
<tr>
<td>1950s</td>
<td>10.6%</td>
<td>11.1%</td>
<td>10.7%</td>
<td>8.2%</td>
<td>8.6%</td>
<td>12.8%</td>
</tr>
<tr>
<td>1940s</td>
<td>9.1%</td>
<td>5.3%</td>
<td>5.3%</td>
<td>6.4%</td>
<td>5.5%</td>
<td>7.6%</td>
</tr>
<tr>
<td>Pre-1940s</td>
<td>17.2%</td>
<td>41.2%</td>
<td>27.9%</td>
<td>11.8%</td>
<td>26.5%</td>
<td>26.1%</td>
</tr>
</tbody>
</table>

## Percent of Homes

<table>
<thead>
<tr>
<th></th>
<th>Starke</th>
<th>Benton</th>
<th>Fulton</th>
<th>Jasper</th>
<th>Marshall</th>
<th>Pulaski</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than $50,000</td>
<td>11.2%</td>
<td>18.6%</td>
<td>34.8%</td>
<td>7.2%</td>
<td>8.7%</td>
<td>10.7%</td>
</tr>
</tbody>
</table>

## Percent of Homes

<table>
<thead>
<tr>
<th></th>
<th>Starke</th>
<th>Benton</th>
<th>Fulton</th>
<th>Jasper</th>
<th>Marshall</th>
<th>Pulaski</th>
</tr>
</thead>
<tbody>
<tr>
<td>More than $150,000</td>
<td>25.0%</td>
<td>16.0%</td>
<td>27.6%</td>
<td>48.9%</td>
<td>38.1%</td>
<td>28.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Median Home Value</th>
<th>Starke</th>
<th>Benton</th>
<th>Fulton</th>
<th>Jasper</th>
<th>Marshall</th>
<th>Pulaski</th>
</tr>
</thead>
<tbody>
<tr>
<td>$96,900</td>
<td>$83,800</td>
<td>$95,400</td>
<td>$148,300</td>
<td>$123,100</td>
<td>$93,000</td>
<td></td>
</tr>
</tbody>
</table>

Source: American Community Survey
5-Year Estimates 2011-2015
CIRCUIT BREAKER THRESHOLDS
BY HOME VALUE

Highest:
Knox City (Center)
$3.3789

4th Lowest:
Railroad Township
$1.7382

Wayne Township,
Jackson Township,
North Bend Twp.

Tax Rate

Home Value
CIRCUIT BREAKER THRESHOLDS
BY HOME VALUE

Logansport-Eel $5.3463
Logansport-Noble $5.2959
Logansport-Clinton $5.2947
Logansport-Clay $5.2882
Logansport-Washington $5.2632

Logansport-Washington $4.4661
Southeastern Schools

Median Home Value $66,000
CIRCUIT BREAKER THRESHOLDS
BY HOME VALUE

Michigan City – Coolspring Twp.
$3.8961

Michigan City – Michigan Twp.
$3.8923

Median Home Value
$90,200

Home Value

Tax Rate

Median Home Value $90,200
TOTAL TAX RATE BY TAXING DISTRICT: 2013-2017
TOTAL TAX RATE BY TAXING DISTRICT: 2013-2017

<table>
<thead>
<tr>
<th>Taxing District</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Township-NISP Sch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>California Township-Know Sch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knox City (Center)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jackson Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Bend Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oregon Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Railroad Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washington Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wayne Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Judson Town (Wayne)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Davis Township</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hamlet Town-David Twp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hamlet Town-Oregon Twp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CIRCUIT BREAKER TAX CREDIT PROJECTIONS

County Unit

Collection Year

Historical  Projected
### PROJECTED BREAKDOWN OF GROSS LEVY

**County Unit**

<table>
<thead>
<tr>
<th>Year</th>
<th>General Fund Net Levy</th>
<th>Other Funds Net Levy</th>
<th>General Fund Circuit Breaker</th>
<th>Other Funds Circuit Breaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$4,486,356</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2025</td>
<td>$5,774,277</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Key Figures:
- **2017 Total Gross Levy:** $4,615,168
- **2017 Total Net Levy:** $4,486,356
- **2025 Total Gross Levy:** $6,217,629
- **2025 Total Net Levy:** $5,774,277
2017 Local Income Tax Rates

Total Local Income Tax Rate (%)

Mean 1.590%
Median 1.500%

Property Tax Relief
Expenditure Certified Shares
Expenditure Public Safety
Expenditure Economic Development
Special Purpose

INDIANA PUBLIC FINANCE LEADERSHIP SUMMIT
Of 92 counties:
- 1 reduced total rate (decrease 0.250%)
- 3 reallocated but total rate unchanged
- 18 raised total rate (min. increase 0.100%)
  (max. increase 1.300%)
Rate Affordability

- Why are we even talking about affordability?
  - Costs are rising (general inflation)
  - Utility bills are outpacing general inflation (4-5 times)
  - In the next 5 years, water may no longer be affordable for as many as 35.6% of American households according to researchers at Michigan State University
  - Income inequality is growing
    - The middle is shrinking
    - Income is now more polarized
  - Water scarcity in some parts of the US
  - Population shifts in rural and some urban areas (i.e. Detroit)
Rate Affordability

• Why are we even talking about affordability? (cont.)
  • Aging infrastructure
    • Systems originally built in the 70’s/80’s are approaching the end of their useful life
    • Many of those projects were funded with federal grant money (up to 90%)
    • Increased regulation and water quality concerns
    • Utilities have not adequately planned for the future (delayed maintenance)
    • Lack of necessary rate increases in years past
Rate Comparison

- Cross-utility comparisons
  - Beware of cross-utility comparisons
  - This can be like buying a pair of shoes based on your neighbor’s shoe size.
  - Comparisons can be useful but not used as a single criteria for determining affordability.
  - Affordability ought to reflect your communities’ specific needs and values.
  - A community should measure performance against it’s own goals over time
## Indiana Comparative Water Rates

### Comparison of Rates and Charges

#### From December 2015 to December 2017

#### Monthly Billings

<table>
<thead>
<tr>
<th>Description</th>
<th>December 2015 Average</th>
<th>December 2017 Average</th>
<th>Percent Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>First bracket price (per 1,000 gallons)</td>
<td>$6.49</td>
<td>$7.07</td>
<td>8.9%</td>
</tr>
<tr>
<td>Last bracket price (per 1,000 gallons)</td>
<td>$2.96</td>
<td>$3.23</td>
<td>9.0%</td>
</tr>
<tr>
<td>Gallons given for minimum price</td>
<td>2,503</td>
<td>2,520</td>
<td>0.7%</td>
</tr>
<tr>
<td>Minimum charge for 5/8&quot;meter</td>
<td>$16.24</td>
<td>$18.16</td>
<td>11.8%</td>
</tr>
<tr>
<td>Minimum charge for 6&quot; meter</td>
<td>$535.79</td>
<td>$566.85</td>
<td>5.8%</td>
</tr>
<tr>
<td>Annual charge for 6&quot; sprinkler</td>
<td>$663.94</td>
<td>$684.16</td>
<td>3.0%</td>
</tr>
<tr>
<td>Annual charge for 12&quot; sprinkler</td>
<td>$2,705.22</td>
<td>$3,183.47</td>
<td>17.7%</td>
</tr>
<tr>
<td>Annual hydrant charge</td>
<td>$605.07</td>
<td>$654.65</td>
<td>8.2%</td>
</tr>
<tr>
<td>Monthly bill based on 2,000 gallons usage</td>
<td>$17.63</td>
<td>$19.16</td>
<td>8.7%</td>
</tr>
<tr>
<td>Monthly bill based on 3,000 gallons usage</td>
<td>$21.31</td>
<td>$23.14</td>
<td>8.6%</td>
</tr>
<tr>
<td>Monthly bill based on 4,000 gallons usage</td>
<td>$26.47</td>
<td>$28.81</td>
<td>8.8%</td>
</tr>
<tr>
<td>Monthly bill based on 5,000 gallons usage</td>
<td>$31.76</td>
<td>$34.67</td>
<td>9.1%</td>
</tr>
<tr>
<td>Monthly bill based on 10,000 gallons usage</td>
<td>$56.75</td>
<td>$61.75</td>
<td>8.8%</td>
</tr>
</tbody>
</table>

Approximate single-family residential average.
Indiana Comparative Water Rates

Average Monthly Charge for 4,000 Gallons by Population Compared to Statewide Average ($28.81)

<table>
<thead>
<tr>
<th>Population Range</th>
<th>Average Monthly Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1,000</td>
<td>$33.79</td>
</tr>
<tr>
<td>1,000 to 3,000</td>
<td>$29.35</td>
</tr>
<tr>
<td>3,001 to 6,000</td>
<td>$25.55</td>
</tr>
<tr>
<td>6,001 to 10,000</td>
<td>$24.75</td>
</tr>
<tr>
<td>10,001 to 15,000</td>
<td>$23.71</td>
</tr>
<tr>
<td>15,001 to 25,000</td>
<td>$22.65</td>
</tr>
<tr>
<td>Over 25,000</td>
<td>$24.46</td>
</tr>
</tbody>
</table>
## Indiana Comparative Sewer Rates

### Comparison of Rates and Charges

From December 2015 to December 2017

#### Monthly Billings

<table>
<thead>
<tr>
<th>Description</th>
<th>December 2015 Average</th>
<th>December 2017 Average</th>
<th>Percent Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>First bracket price (per 1,000 gallons)</td>
<td>$7.06</td>
<td>$8.20</td>
<td>16.2%</td>
</tr>
<tr>
<td>Last bracket price (per 1,000 gallons)</td>
<td>$5.63</td>
<td>$6.46</td>
<td>14.7%</td>
</tr>
<tr>
<td>Gallons given for minimum price</td>
<td>2,617</td>
<td>2,614</td>
<td>-0.1%</td>
</tr>
<tr>
<td>Minimum charge for 5/8&quot; meter</td>
<td>$24.72</td>
<td>$28.20</td>
<td>14.1%</td>
</tr>
<tr>
<td>Monthly bill based on 2,000 gallons usage</td>
<td>$28.78</td>
<td>$30.70</td>
<td>6.7%</td>
</tr>
<tr>
<td>Monthly bill based on 3,000 gallons usage</td>
<td>$33.33</td>
<td>$35.56</td>
<td>6.7%</td>
</tr>
<tr>
<td>Monthly bill based on 4,000 gallons usage</td>
<td>$39.12</td>
<td>$41.69</td>
<td>6.6%</td>
</tr>
<tr>
<td>Monthly bill based on 5,000 gallons usage</td>
<td>$45.29</td>
<td>$48.17</td>
<td>6.4%</td>
</tr>
<tr>
<td>Monthly bill based on 10,000 gallons usage</td>
<td>$74.80</td>
<td>$79.25</td>
<td>6.0%</td>
</tr>
</tbody>
</table>

= Approximate single-family residential average.
Indiana Comparative Sewer Rates

Average Monthly Charge for 4,000 Gallons by Population Compared to Statewide Average ($41.69)
### Cross-Utility Water and Sewer Comparative Rates

#### Residential Bill Percentage Increases over 2 Years

<table>
<thead>
<tr>
<th>Average Bill Increase</th>
<th>Indiana (4,000 Gallons)</th>
<th>Nationally (1) (7,480 Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
<td>%</td>
</tr>
<tr>
<td>Water</td>
<td>28.81</td>
<td>8.80%</td>
</tr>
<tr>
<td>Wastewater</td>
<td>41.69</td>
<td>6.60%</td>
</tr>
</tbody>
</table>

(1) Per the 2016 Water and Wastewater Rate Survey, co-produced by the American Water Works Association and Raftelis Financial Consultants, Inc.
# Cross-Utility Water and Sewer Comparative Rates

Charges as a Percentage of Median Household Income

<table>
<thead>
<tr>
<th>Average Residential Bill for All Systems</th>
<th>Indiana (MHI - $50,433) (1)</th>
<th>Nationally (MHI - $54,292) (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water (4,000 Gallons)</td>
<td>Water (7,480 Gallons)</td>
</tr>
<tr>
<td></td>
<td>Wastewater (4,000 Gallons)</td>
<td>Wastewater (7,480 Gallons)</td>
</tr>
<tr>
<td>Percentage</td>
<td>0.06%</td>
<td>0.95%</td>
</tr>
<tr>
<td></td>
<td>0.08%</td>
<td>1.16%</td>
</tr>
<tr>
<td>Number of Utilities/Systems</td>
<td>369</td>
<td>253</td>
</tr>
<tr>
<td></td>
<td>390</td>
<td>176</td>
</tr>
</tbody>
</table>

(1) Median Household Income figures for Indiana are from 2012-2016 American Community Survey 5-Year Estimates on www.census.gov

(2) Per the 2016 Water and Wastewater Rate Survey, co-produced by the American Water Works Association and Raftelis Financial Consultants