

# **Butler Public Power District**

**2018 Rate Design**

**November 30, 2017**



**Butler Public Power District**  
**2018 Rate Design**  
**Summary**

Page No.	New Names found in 2014 Rate Schedules	Customer Class	Current Calculated Revenues	Proposed Calculated Revenue	\$ Change Proposed Revenue to Current Revenue	% Change Proposed Revenue to Current Revenue
1	Rate 01 - Single Phase	Schedule A - Single Phase - Monthly Service (11,13,21,23,24,31,33,51,53,81,82)	\$ 5,601,691	\$ 5,562,878	\$ (38,813)	-0.7%
2	Rate 03 - Three Phase	Schedule B - Three Phase - Monthly Service (14,54,84)	380,606	381,807	1,201	0.3%
3	Rate 08 - Grain Single Phase	Schedule C - Single Phase - Seasonal Service (27)	194,399	198,142	3,743	1.9%
4	Rate 09 - Grain Three Phase	Schedule D - Three Phase - Seasonal Service (28,29)	138,662	139,667	1,005	0.7%
5	Rate 05 - Three Phase with Irrigation	Schedule E - Three Phase Monthly Service (with Irrigation) (15)	7,954	8,103	149	1.9%
6	Rate 42 - No Control	Schedule I-1 Irrigation - No Control (42)	345,306	340,202	(5,104)	-1.5%
7	Rate 43 - 1 Day Control	Schedule I-1 Irrigation = 1 Day per week (43)	260,598	257,390	(3,208)	-1.2%
8	Rate 44 - 2 Day Control	Schedule I-1 Irrigation - 2 Days per week (44)	461,393	456,254	(5,139)	-1.1%
9	Rate 45 - Daily Control	Schedule I-1 Irrigation - Daily - 12 hours (45)	1,184,726	1,193,818	9,092	0.8%
10	Rate 46 - 3 Day Control	Schedule I-1 Irrigation - 3 Days per week (46)	553,355	547,401	(5,953)	-1.1%
11	Rate 40 & 41 Wheels Only	Schedule I-2 and I-3 - Wheels Only - Irrigation (40 & 41)	138,599	137,580	(1,019)	-0.7%
12	Rate 47 & 48 Reuse Pump	Rate Schedule I-4 & I-5 - Reuse Pumps (47 & 48)	6,791	6,833	42	0.6%
13	Rate 06 - Com/Ind Single/Three Phase	Rate Schedule LP-1 - Large Power - Comm. & Ind. (59 & 68)	1,047,887	1,050,767	2,880	0.3%
<b>Total of Rural Schedules</b>			<b>\$ 10,321,969</b>	<b>\$ 10,280,843</b>	<b>\$ (41,126)</b>	<b>-0.4%</b>
14	Rate 02 - Village Single Phase	Village - Single Phase - Monthly (24V,31V,33V,51V,53V,82V)	\$ 1,972,908	\$ 2,010,491	\$ 37,582	1.9%
15	Rate 04 - Village Three Phase	Village - Three Phase - Monthly (54V,84V)	296,227	301,746	5,519	1.9%
16	Rate 07 - Village Three Phase Commercial	Village - Commercial - Three Phase w/demand (62VD)	185,587	189,114	3,527	1.9%
17	All Security Lights	All Security Lights	-	-	-	0.0%
18	Rate 10 - Single/Three Standby	Standby (91 & 92)	115,368	115,824	456	0.4%
<b>Total of Village Schedules</b>			<b>\$ 2,570,090</b>	<b>\$ 2,617,174</b>	<b>\$ 47,084</b>	<b>1.8%</b>
<b>Total</b>			<b>\$ 12,892,059</b>	<b>\$ 12,898,017</b>	<b>\$ 5,958</b>	<b>0.0%</b>

# Butler Public Power District

## 2018 Rate Design

Rate 01 - Single Phase

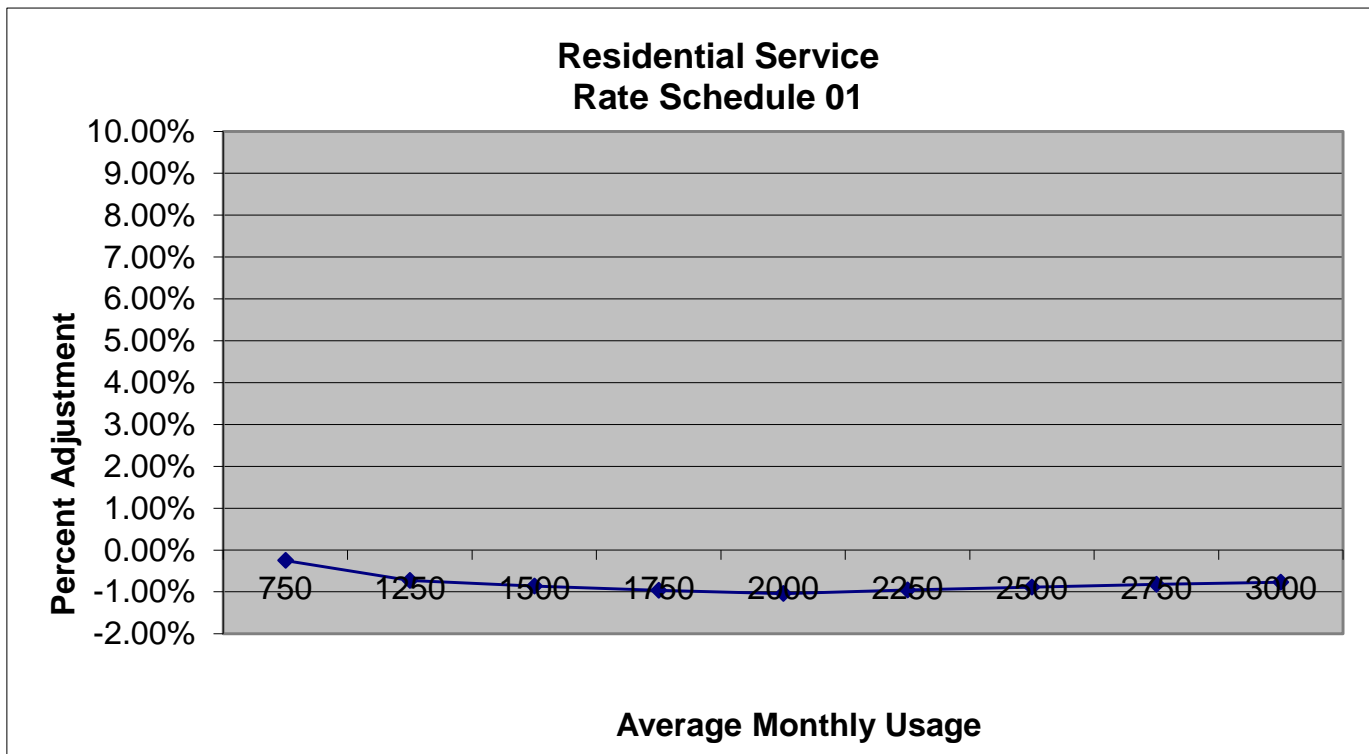
<u>Current Rate</u>	Monthly Charge	First kWh's 600	Next 1400	First 5000 Summer Only	All Additional
Winter Rate	\$ 24.50	\$ 0.0960	\$ 0.0960	\$ -	\$ 0.0665
Summer	\$ 24.50	\$ -	\$ -	\$ 0.1070	\$ 0.0695

<u>Proposed Rate</u>	Monthly Charge	First kWh's 600	Next 1400	First 5000 Summer Only	All Additional
Winter Rate	\$ 25.50	\$ 0.0935	\$ 0.0935	\$ -	\$ 0.0665
Summer	\$ 25.50	\$ -	\$ -	\$ 0.1070	\$ 0.0695

Water Heater Credit \$1.50

### Estimated Change in Revenues

Current Revenues	\$ 5,601,691
Proposed Revenues	5,562,878
Percentage Change	-0.7%



# Butler Public Power District

## 2018 Rate Design

Rate 03 - Three Phase

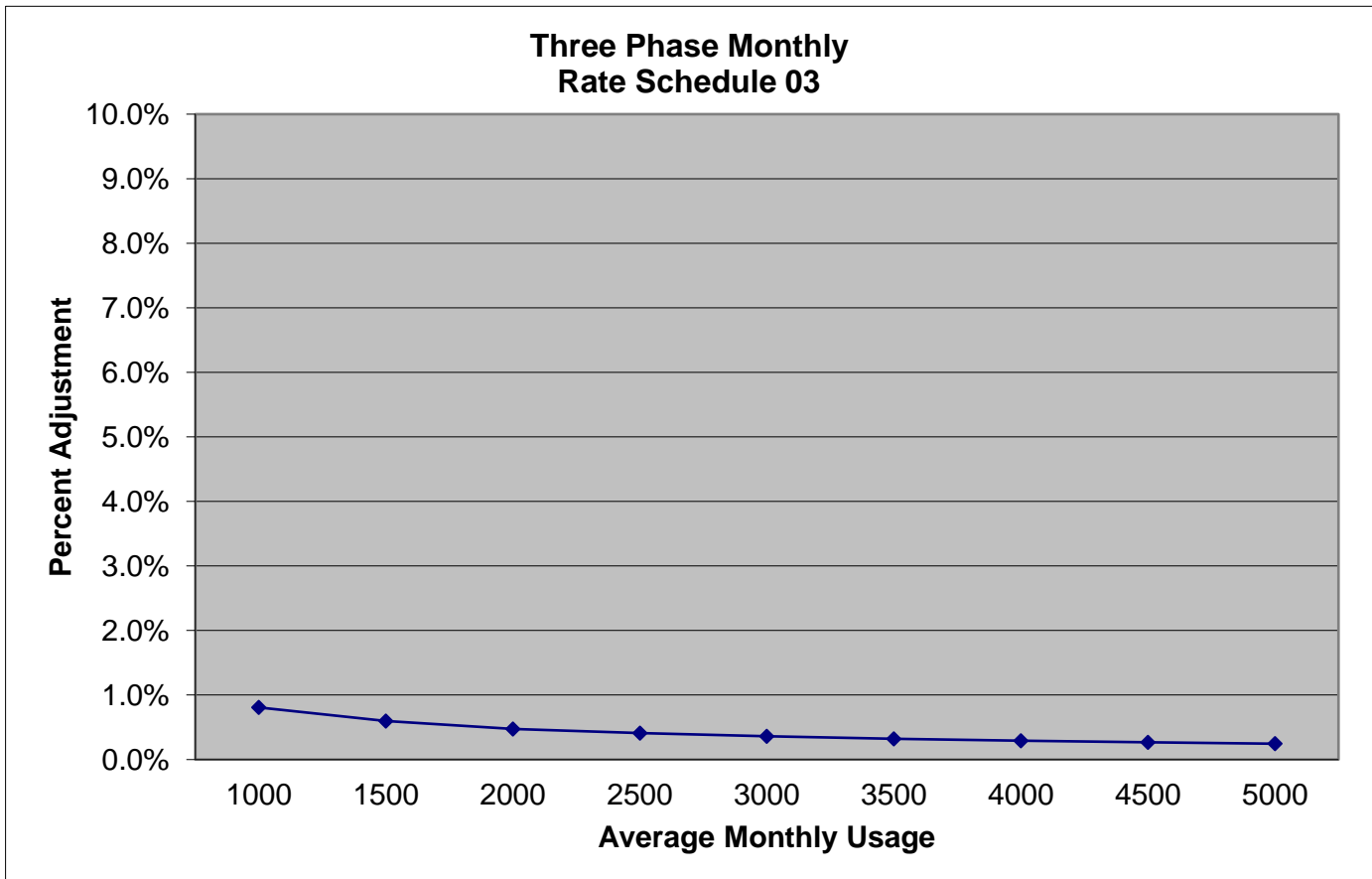
<u>Current Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000	First 5000 Summer Only	All Additional
Winter Rate	\$ 46.00	\$ 0.1070	\$ 0.1070	\$ 0.0665	\$ -	\$ -
Summer	\$ 46.00				\$ 0.1125	\$ 0.0695

<u>Proposed Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000	First 5000 Summer Only	All Additional
Winter Rate	\$ 47.25	\$ 0.1070	\$ 0.1070	\$ 0.0665	\$ -	\$ -
Summer	\$ 47.25				\$ 0.1125	\$ 0.0695

Water Heater Credit \$1.50

### Estimated Change in Revenues

Current Revenues	\$ 380,606
Proposed Revenues	381,807
Percentage Change	0.32%



# Butler Public Power District

## 2018 Rate Design

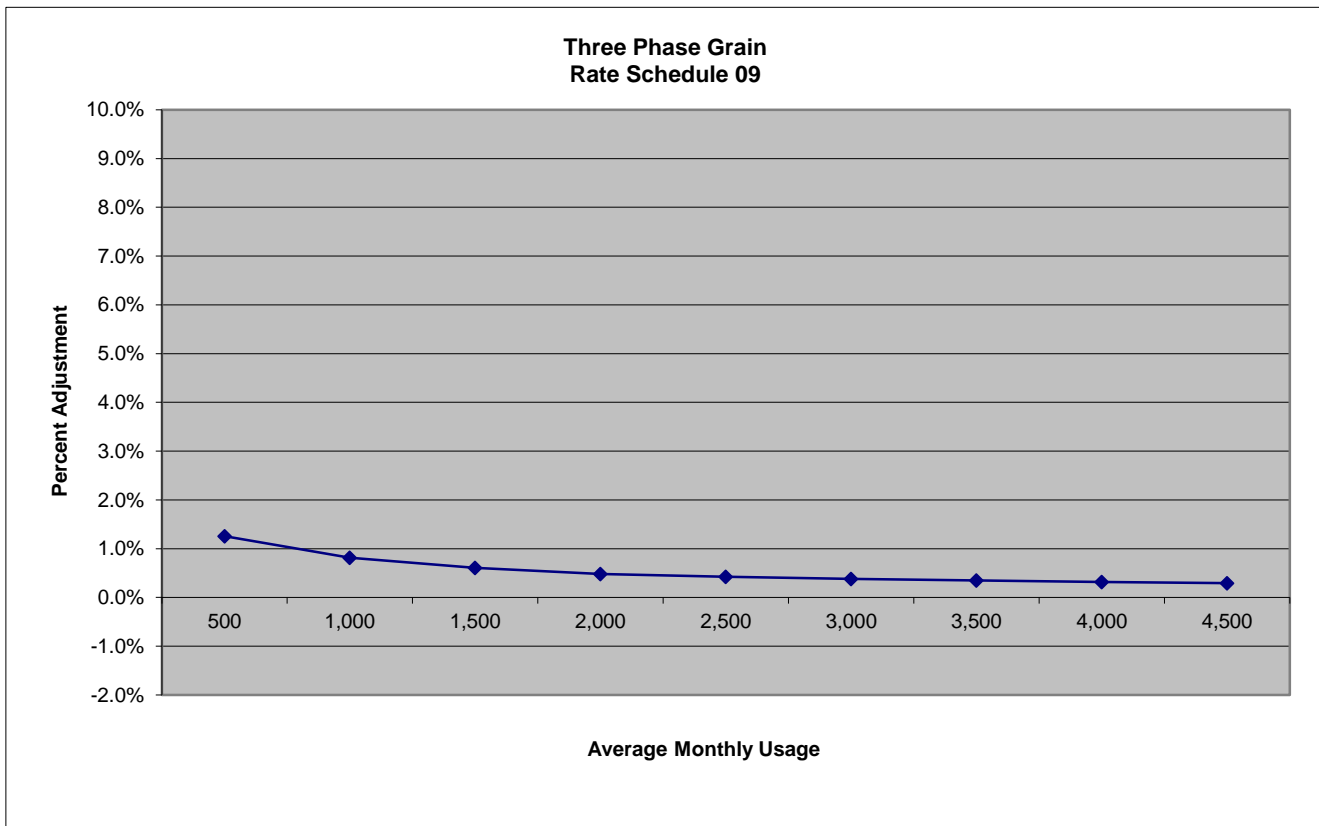
Rate 09 - Grain Three Phase

<u>Current Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter	\$ 46.00	\$ 0.1070	\$ 0.1070	\$ 0.0665
Summer	\$ 46.00	\$ 0.1070	\$ 0.1070	\$ 0.0665

<u>Proposed Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter	\$ 47.25	\$ 0.1070	\$ 0.1070	\$ 0.0665
Summer	\$ 47.25	\$ 0.1070	\$ 0.1070	\$ 0.0665

### Estimated Change in Revenues

Current Revenues	\$ 138,662
Proposed Revenues	139,667
Percentage Change	0.7%



# Butler Public Power District

## 2018 Rate Design

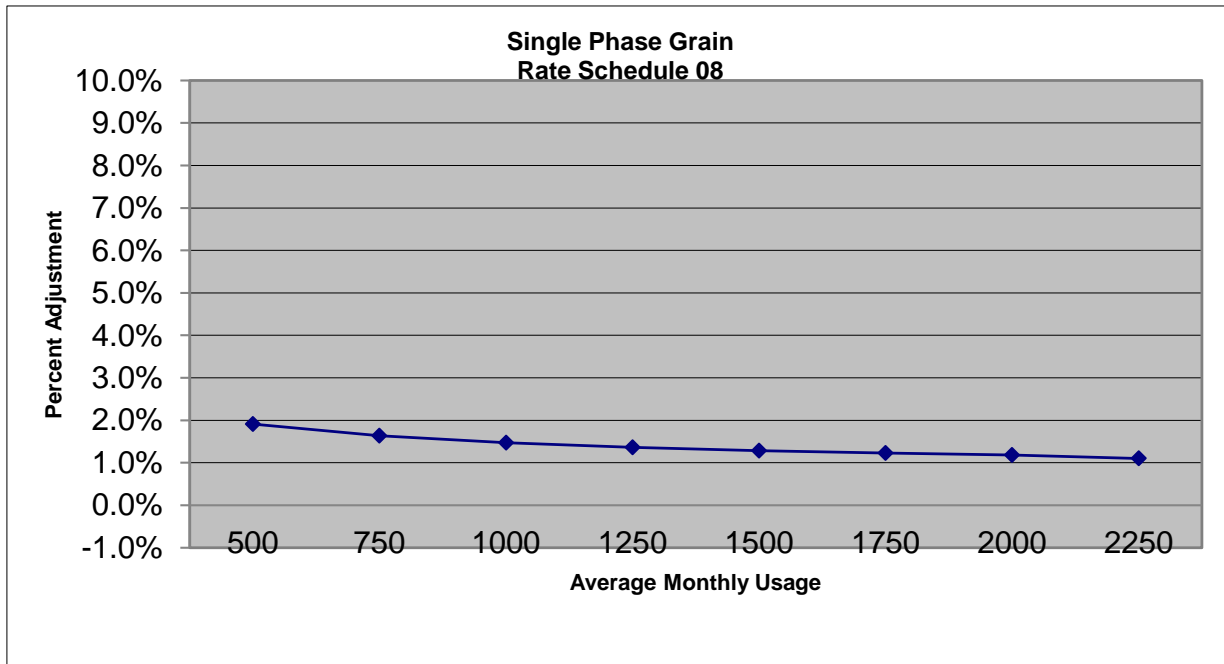
Rate 08 - Grain Single Phase

<u>Current Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter	\$ 24.50	\$ 0.0975	\$ 0.0975	\$ 0.0665
Summer	24.50	0.0975	0.0975	0.0665

<u>Proposed Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter	\$ 25.50	\$ 0.0983	\$ 0.0983	\$ 0.0665
Summer	25.50	0.0983	0.0983	0.0665

### Estimated Change in Revenues

Current Revenues	\$ 194,399
Proposed Revenues	198,142
Percentage Change	1.9%



# Butler Public Power District

## 2018 Rate Design

Rate 05 - Three Phase with Irrigation

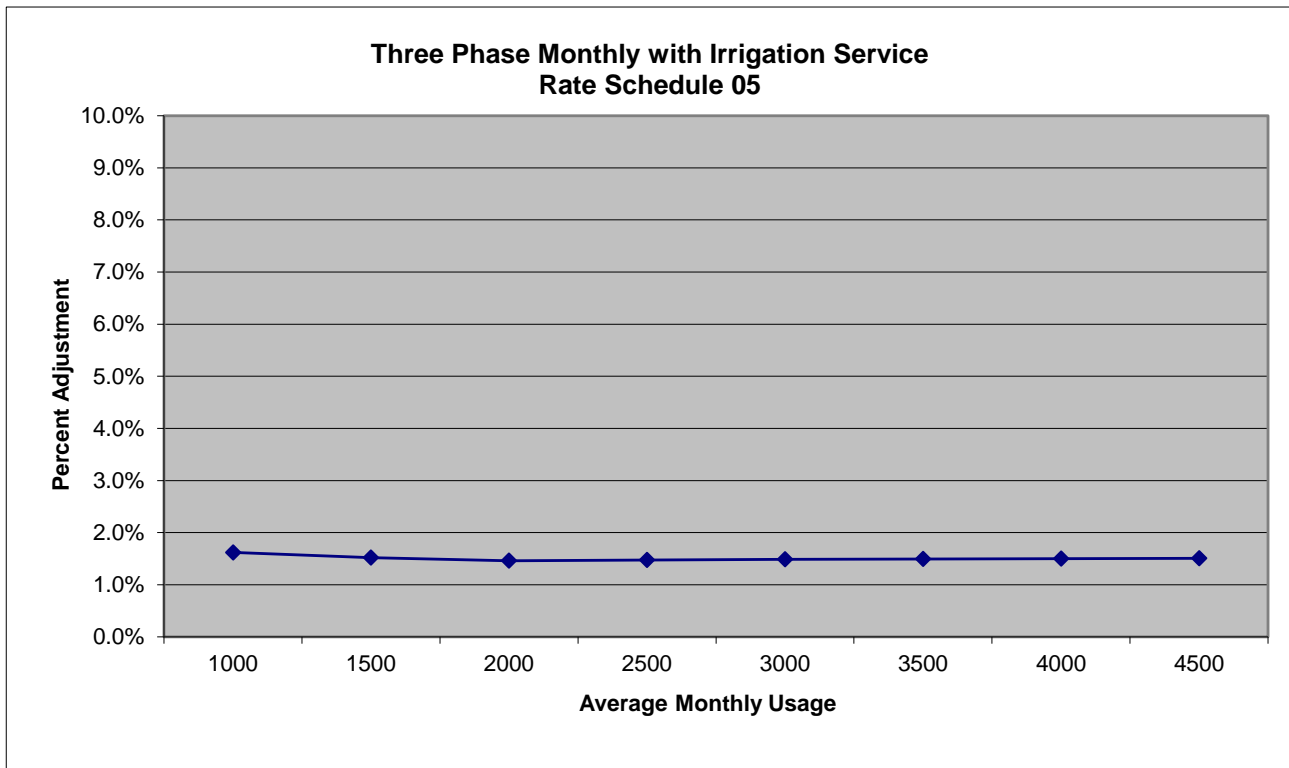
<u>Current Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter Rate	\$ 46.00	\$ 0.1110	\$ 0.1110	\$ 0.0700
Summer	\$ 46.00	\$ 0.1800	\$ 0.1800	\$ 0.1800

<u>Proposed Rate</u>	Monthly Charge	First kWh's 1000	Next kWh's 1000	Over 2000
Winter Rate	\$ 47.25	\$ 0.1110	\$ 0.1110	\$ 0.0700
Summer	\$ 47.25	\$ 0.1850	\$ 0.1850	\$ 0.1850

Water Heater Credit \$1.50

### Estimated Change in Revenues

Current Revenues	\$	7,954
Proposed Revenues		8,103
Percentage Change		1.9%



# Butler Public Power District

## 2018 Rate Design

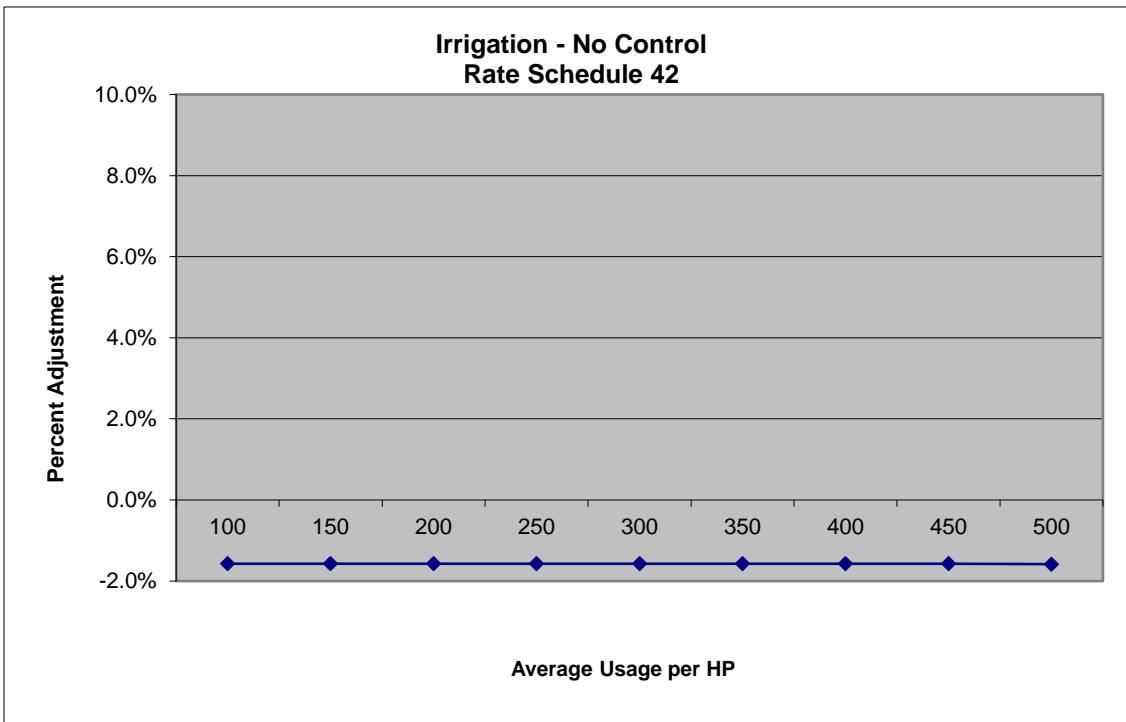
Rate 42 - No Control

<u>Current Rate</u>	Customer Charge	Capacity Chg Horsepower	All kWh	All additional kWh
Annual Rate	\$ 365.00	\$ 55.50	\$ 0.1000	\$ 0.1000

<u>Proposed Rate</u>	Capacity Chg Horsepower	All kWh	All additional kWh
Annual Rate	\$ 355.00	\$ 55.00	\$ 0.0980

### Estimated Change in Revenues

Current Revenues	345,306
Proposed Revenues	340,202
Percentage Change	-1.5%





# Butler Public Power District

## 2018 Rate Design

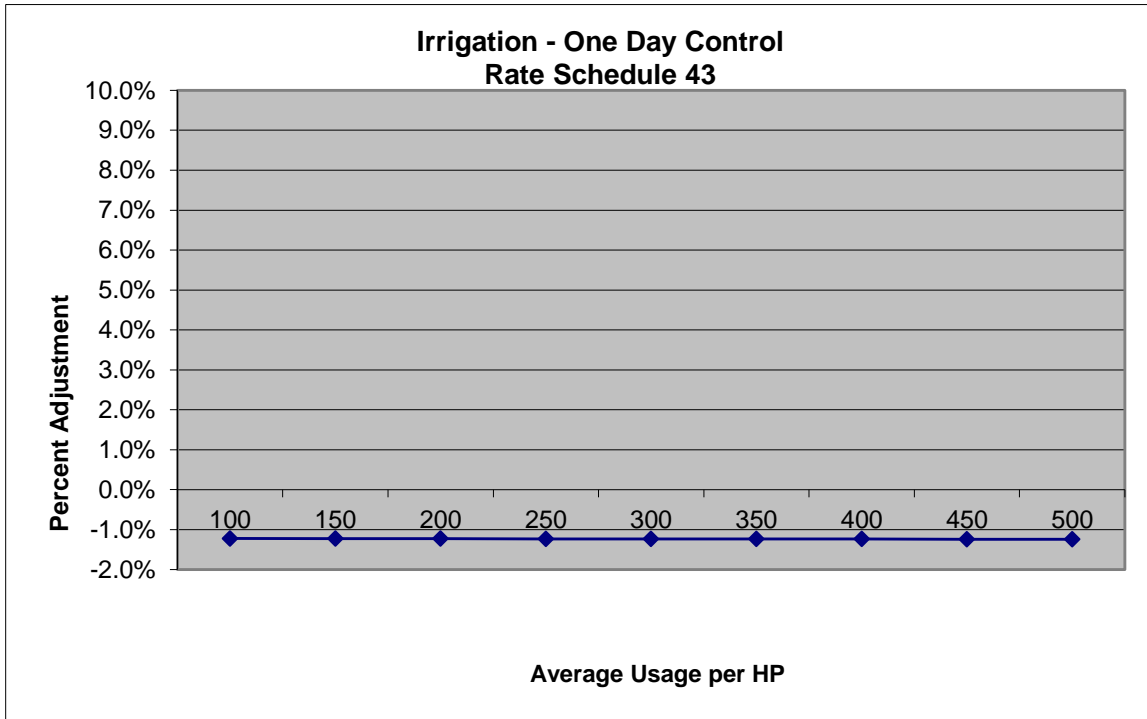
Rate 43 - 1 Day Control

<u>Current Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 365.00	\$ 54.00	\$ 0.0775	\$ 0.0775

<u>Proposed Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 355.00	\$ 53.50	\$ 0.0765	\$ 0.0765

### Estimated Change in Revenues

Current Revenues	260,598
Proposed Revenues	257,390
Percentage Change	-1.2%



# Butler Public Power District

## 2018 Rate Design

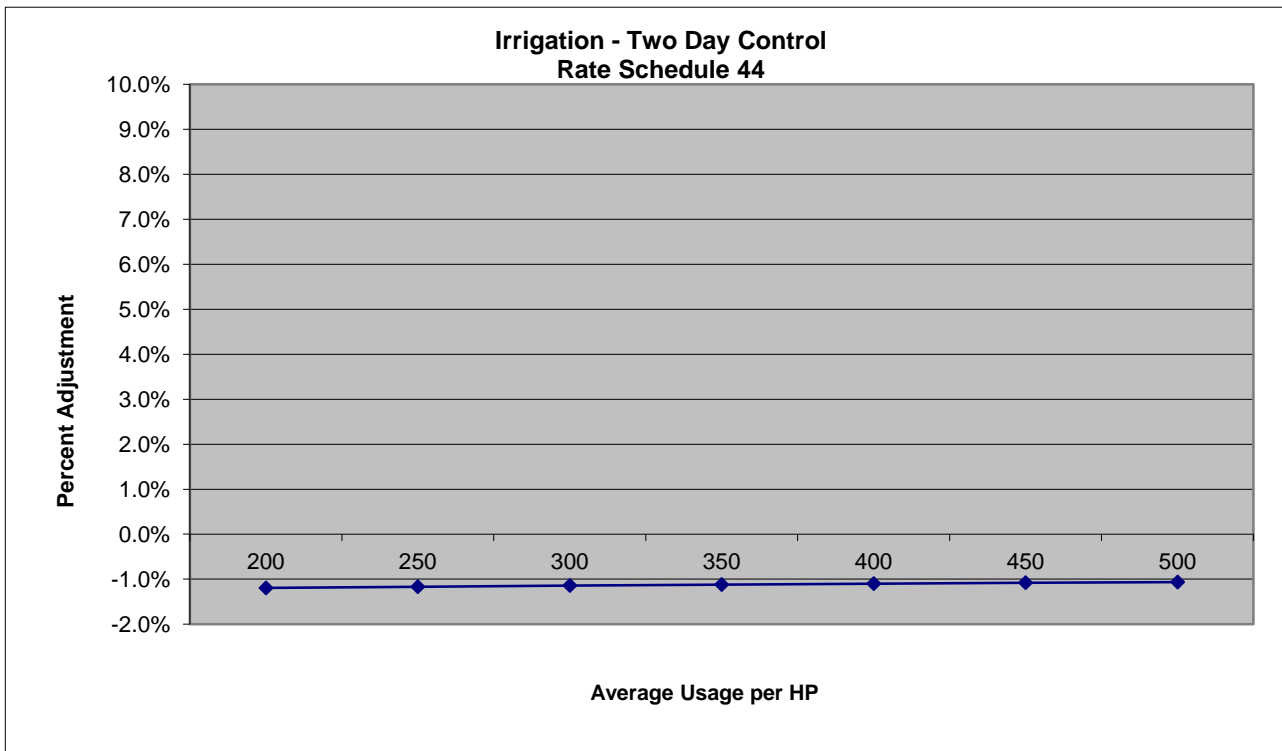
Rate 44 - 2 Day Control

<u>Current Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 365.00	\$ 47.50	\$ 0.0760	\$ 0.0760

<u>Proposed Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 355.00	\$ 47.00	\$ 0.0755	\$ 0.0755

### Estimated Change in Revenues

Current Revenues	461,393
Proposed Revenues	456,254
Percentage Change	-1.1%



# Butler Public Power District

## 2018 Rate Design

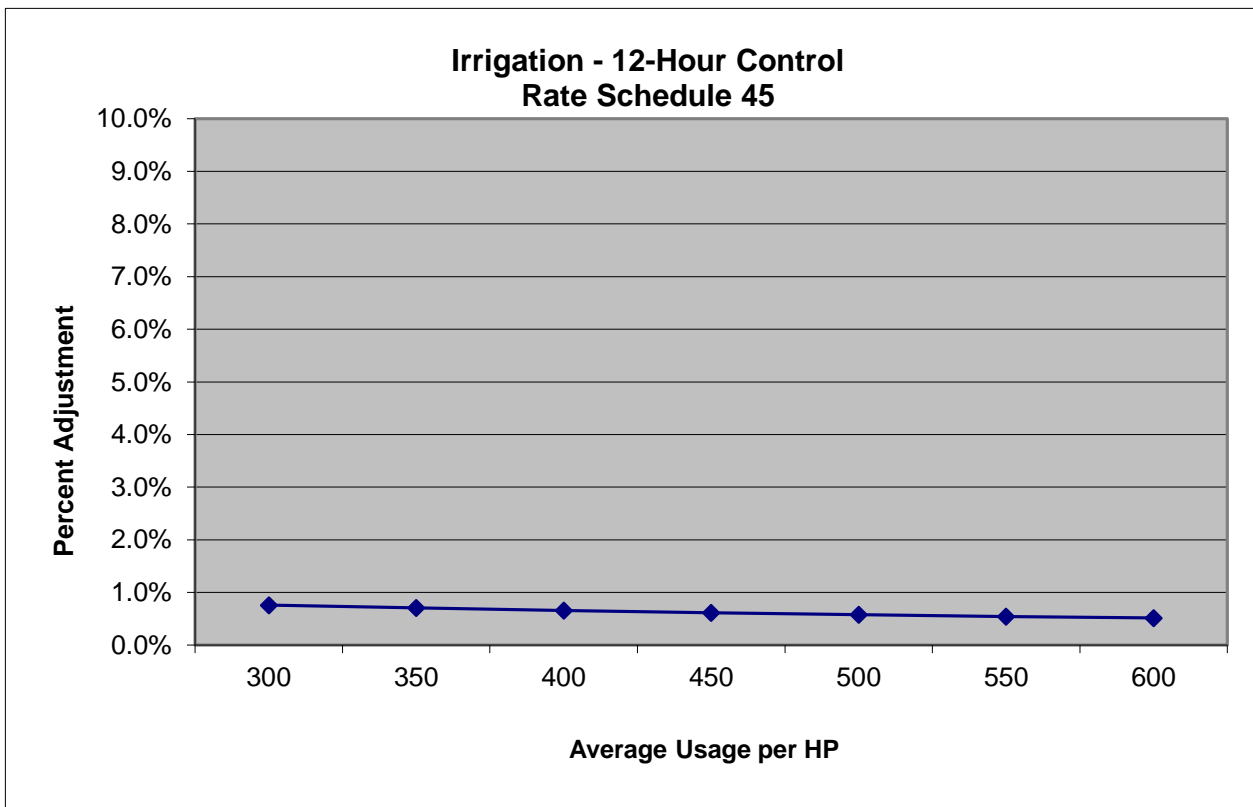
Rate 45 - Daily Control

<u>Current Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 365.00	\$ 20.00	\$ 0.0750	\$ 0.0750

<u>Proposed Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 355.00	\$ 20.50	\$ 0.0750	\$ 0.0750

### Estimated Change in Revenues

Current Revenues	1,184,726
Proposed Revenues	1,193,818
Percentage Change	0.8%



# Butler Public Power District

## 2018 Rate Design

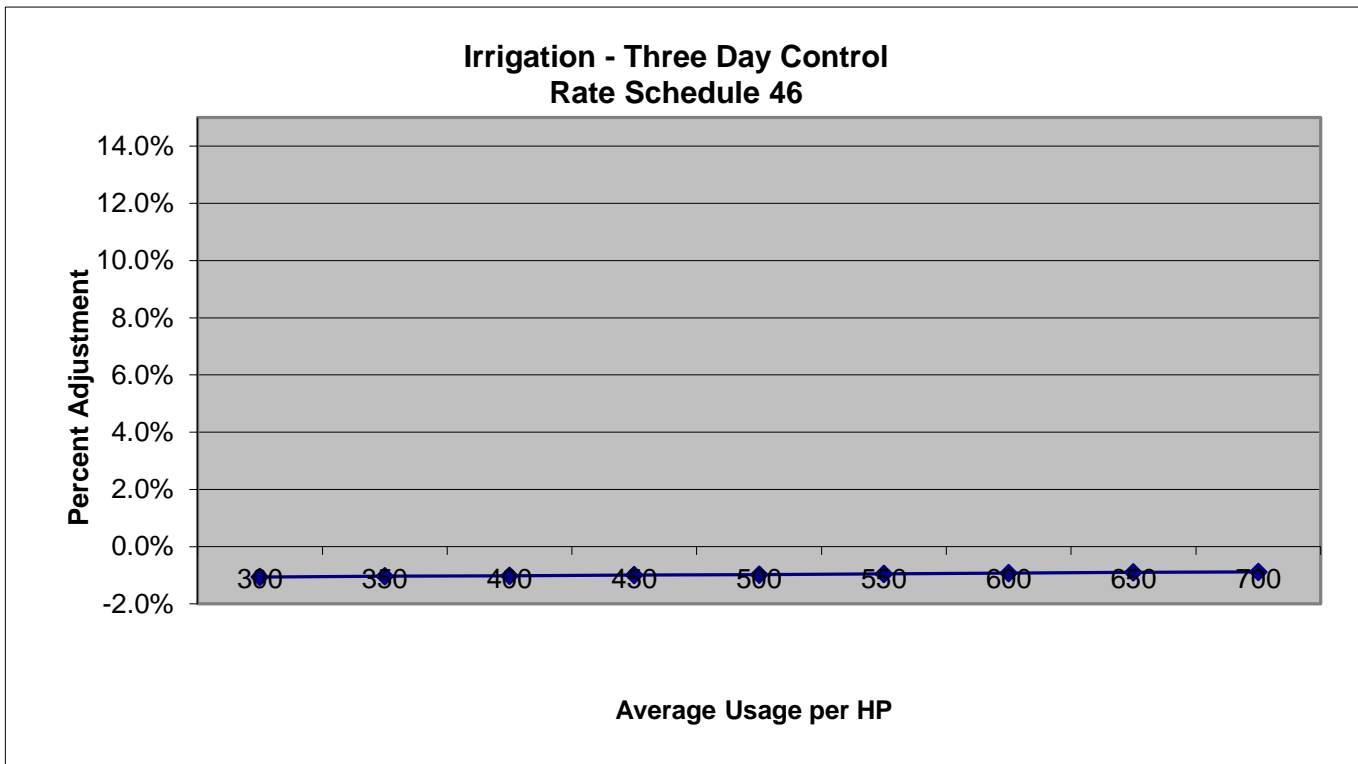
Rate 46 - 3 Day Control

<u>Current Rate</u>	Customer Charge	Horsepower	All KWH	All additional kWh
Annual Rate	\$ 365.00	\$ 25.50	\$ 0.0750	\$ 0.0750

<u>Proposed Rate</u>	Customer Charge	Horsepower	All kWh	All additional kWh
Annual Rate	\$ 355.00	\$ 25.25	\$ 0.0745	\$ 0.0745

### Estimated Change in Revenues

Current Revenues	553,355
Proposed Revenues	547,401
Percentage Change	-1.1%



# Butler Public Power District

## 2018 Rate Design

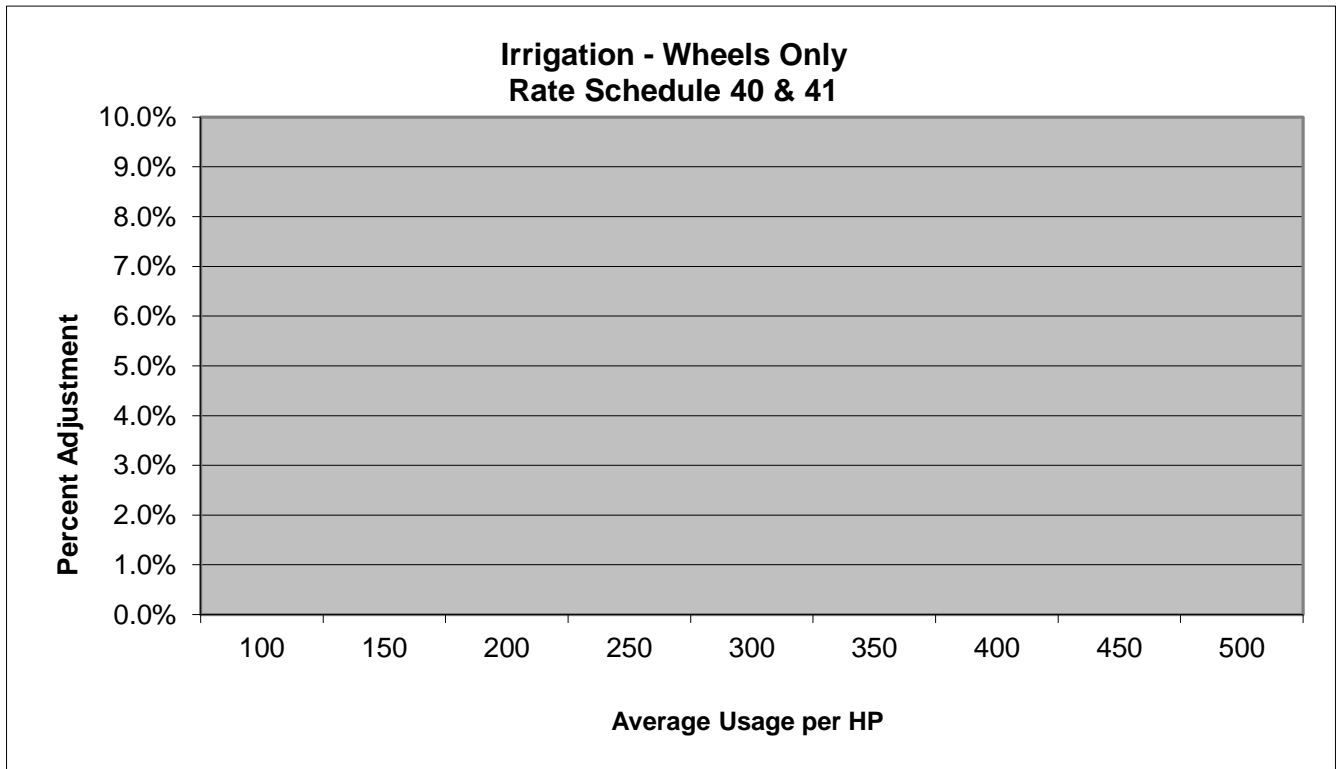
Rate 40 & 41 Wheels Only

<u>Current Rate</u>	Customer Charge	Horsepower	All KWH	All additional kWh
Three Phase	\$ 360.00	\$ 51.00	\$ 0.1000	\$ 0.1000
Single Phase	\$ 210.00			

<u>Proposed Rate</u>	Customer Charge	Horsepower	All kWh	
Three Phase	\$ 360.00	\$ 50.50	\$ 0.0980	\$ 0.0980
Single Phase	\$ 210.00			

### Estimated Change in Revenues

Current Revenues	149,099
Proposed Revenues	148,003
Percentage Change	-0.7%



# Butler Public Power District

## 2018 Rate Design

Rate 47 & 48 Reuse Pump

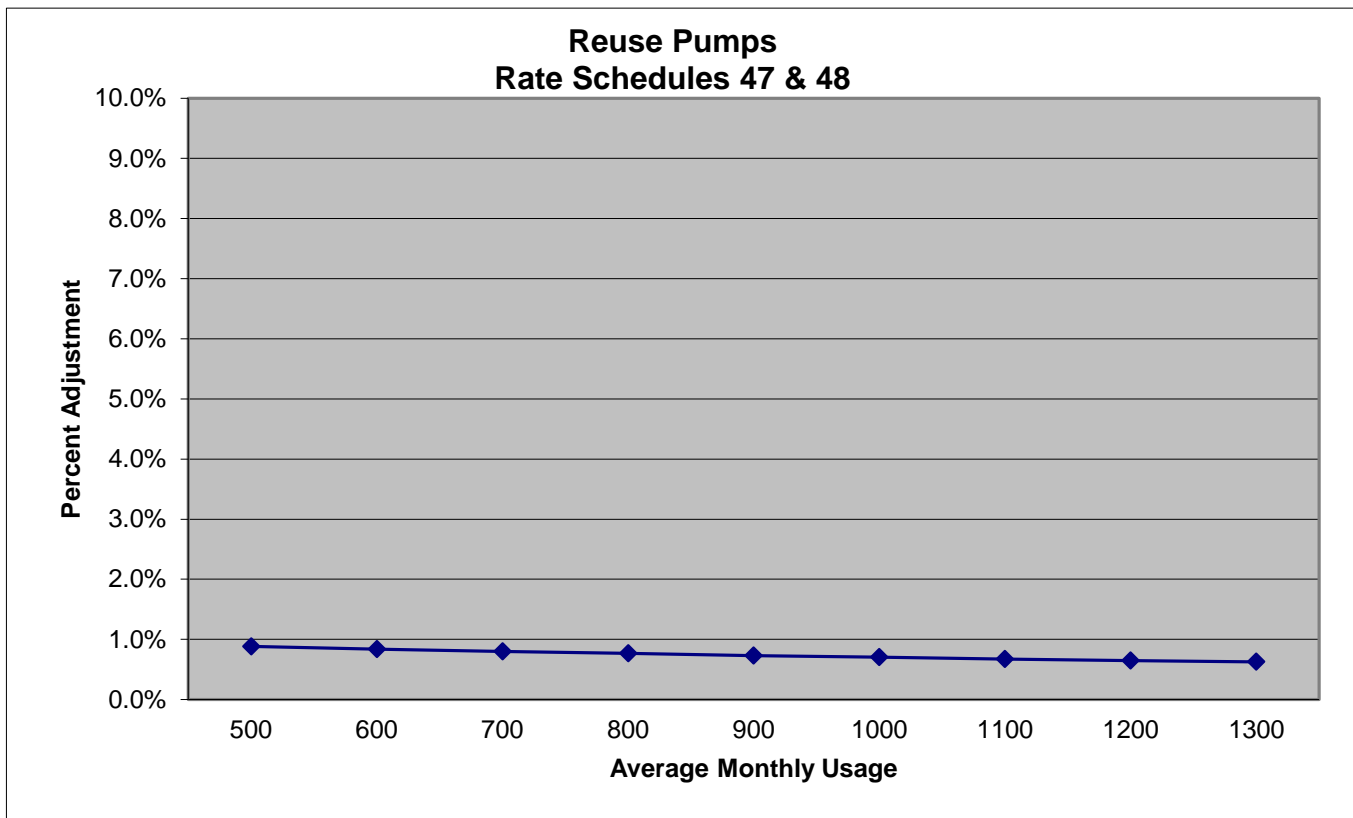
<u>Current Rate</u>	Monthly Charge	Annual Charge	All kWh's
Annual Rate - Single Phase (47)	\$ 21.00	\$ 252.00	\$ 0.1750
Annual Rate - Three Phase (48)	\$ 34.75	\$ 417.00	\$ 0.1750

<u>Proposed Rate</u>	Monthly Charge	Annual Charge	All kWh's
Annual Rate - Single Phase (47)	\$ 21.25	\$ 255.00	\$ 0.1750
Annual Rate - Three Phase (48)	\$ 35.00	\$ 420.00	\$ 0.1750

Balance increase between the single and three phase

### Estimated Change in Revenues

Current Revenues	\$ 6,791
Proposed Revenues	6,833
Percentage Change	0.6%



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## 2018 Rate Design

Rate 06 - Com/Ind Single/Three Phase

### Current Rate

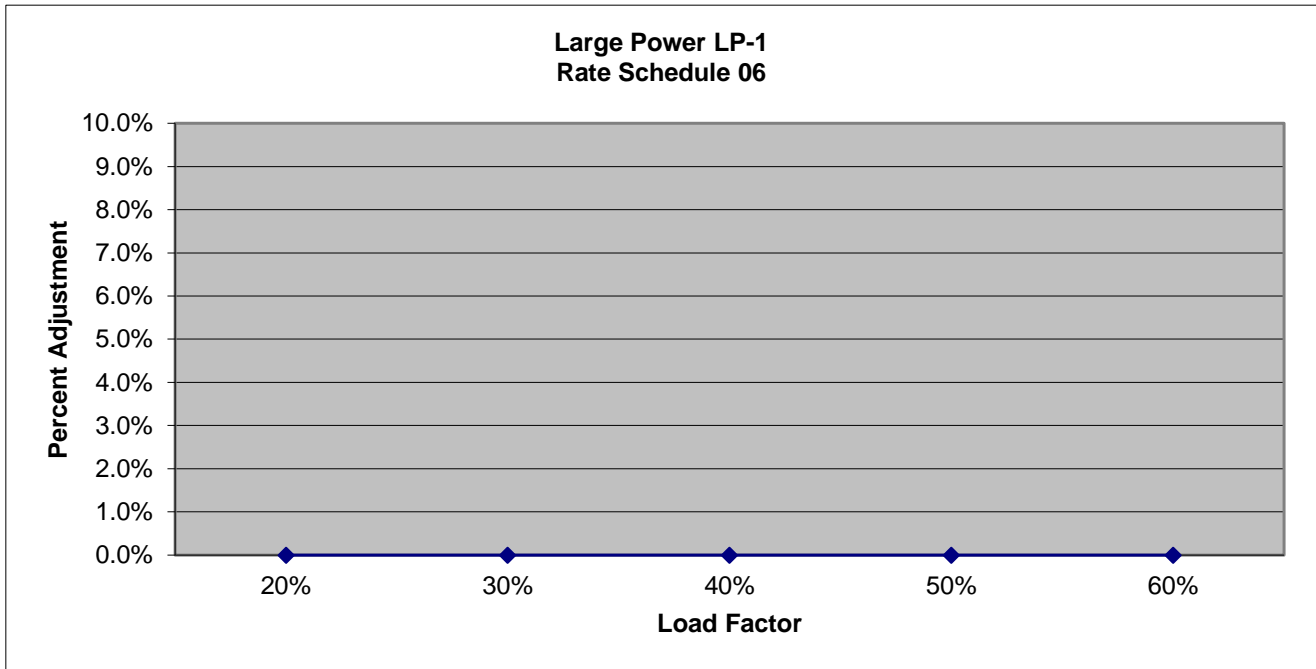
	Monthly Charge	Demand Charge	kWh Charge	Off Peak Demand
Winter Rate	\$ 75.00	\$ 7.00	\$ 0.0515	\$ 6.00
Summer	\$ 75.00	\$ 12.00	\$ 0.0515	\$ 6.00

### Proposed Rate

	Monthly Charge	Demand Charge	kWh Charge	Off Peak Demand
Winter Rate	\$ 85.00	\$ 7.00	\$ 0.0515	\$ 6.00
Summer Rate	\$ 85.00	\$ 12.00	\$ 0.0515	\$ 6.00

### Estimated Change in Revenues

Current Revenues	\$ 1,047,887
Proposed Revenues	1,050,767
Percentage Change	0.3%



# Butler Public Power District

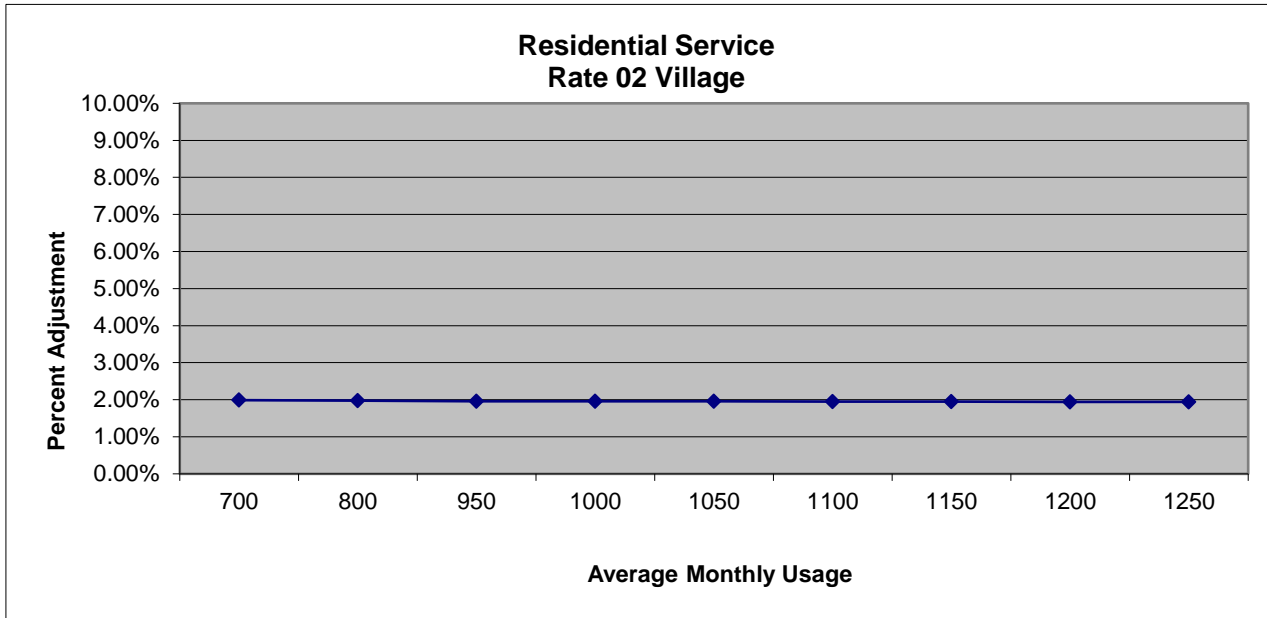
## 2018 Rate Design

Rate 02 - Village Single Phase

	Monthly Rate	First kWh's 1000	Next 1000	First 5000 Summer Only	All Additional
<b>Current Rate</b>					
Winter Rate	\$ 21.25	\$ 0.0810	\$ 0.0810	\$ -	\$ 0.0665
Summer	\$ 21.25	\$ -	\$ -	\$ 0.1010	\$ 0.0665
Water Heater Credit	\$ 1.50				
<b>Proposed Rate</b>					
Winter Rate	\$ 21.75	\$ 0.0814	\$ 0.0814	\$ -	\$ 0.0665
Summer	\$ 21.75	\$ -	\$ -	\$ 0.1051	\$ 0.0665
Water Heater Credit	\$ 1.50				

### Estimated Change in Revenues

Current Revenues	\$ 1,972,908
Proposed Revenues	2,010,491
Percentage Change	1.9%





# Butler Public Power District

## 2018 Rate Design

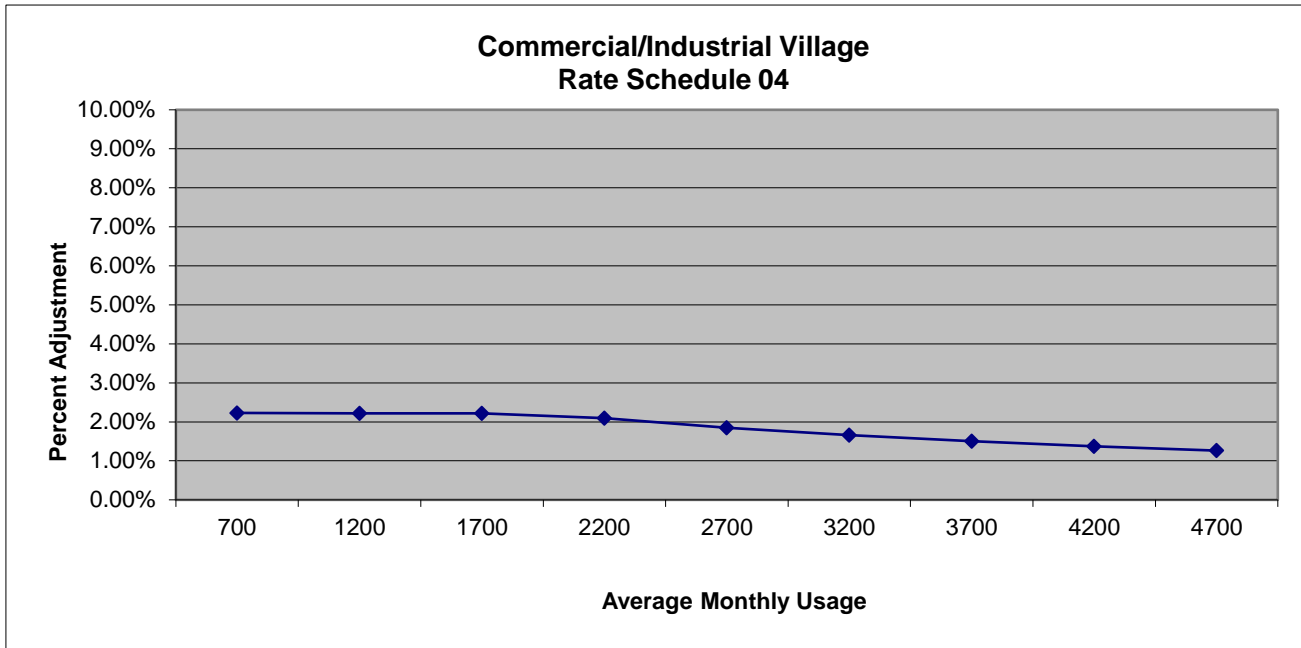
Rate 04 - Village Three Phase

<u>Current Rate</u>	Monthly Rate	First kWh's 1000	Next 1000	First 5000 Summer Only	All Additional
Winter Rate	\$ 44.00	\$ 0.0910	\$ 0.0910	\$ -	\$ 0.0630
Summer	\$ 44.00	\$ -	\$ -	\$ 0.1030	\$ 0.0785

<u>Proposed Rate</u>	Monthly Rate	First kWh's 1000	Next 1000	First 5000 Summer Only	All Additional
Winter Rate	\$ 45.00	\$ 0.0930	\$ 0.0930	\$ -	\$ 0.0630
Summer	\$ 45.00	\$ -	\$ -	\$ 0.1050	\$ 0.0785

### Estimated Change in Revenues

Current Revenues	\$ 296,227
Proposed Revenues	301,746
Percentage Change	1.9%



# Butler Public Power District

## 2018 Rate Design

### Rate 07 - Village Three Phase Commercial

#### Current Rate

	Monthly Charge	Demand Charge	kWh Charge
Winter Rate	\$ 75.00	\$ 10.75	\$ 0.0440
Summer	\$ 75.00	\$ 14.50	\$ 0.0470

#### Proposed Rate

	Monthly Charge	Demand Charge	kWh Charge
Winter Rate	\$ 75.00	\$ 11.10	\$ 0.0440
Summer Rate	\$ 75.00	\$ 14.75	\$ 0.0470

#### Estimated Change in Revenues

Current Revenues		\$ 185,587
Proposed Revenues		189,114
Percentage Change	Average of 6 customers	1.9%

