

# Hingham Public Schools

FY 2019 Budget Information






Service and Facilities

January 18, 2018

ACCOUNT	ACCOUNT TITLE	<u>Base Budget</u> 2016-2017	<u>Base Budget</u> 2017-2018	<u>Prelim Base Budget</u> 2018-2019	<u>19 over 18 Increase</u> (Decrease)	% Change
1100	School Committee	\$56,850	\$59,350	\$84,350	\$25,000	
1200	Administration	\$1,005,236	\$1,030,727	\$1,098,855	\$68,129	
2200	Principals	\$2,233,998	\$2,250,497	\$2,321,488	\$70,991	
2300	Teaching	\$21,913,645	\$23,136,768	\$24,783,137	\$1,646,369	
2350	Professional Development	\$236,002	\$248,054	\$252,676	\$4,622	
2400	Textbooks	\$581,036	\$383,490	\$445,449	\$61,959	
2410	Instructional Equipment	\$44,195	\$46,675	\$40,182	-\$6,493	
2450	Instructional Technology	\$845,554	\$956,174	\$996,238	\$40,064	
2500	Library	\$683,483	\$732,587	\$753,759	\$21,173	
2700	Counseling	\$1,113,903	\$1,197,478	\$1,306,146	\$108,668	
2800	Psychological Services	\$530,834	\$548,348	\$634,562	\$86,214	
3200	Health Services	\$635,727	\$675,887	\$705,883	\$29,996	
3300	Transportation	\$1,206,542	\$1,199,803	\$1,217,835	\$18,032	
3510	Athletics	\$667,142	\$692,098	\$719,857	\$27,759	
3520	Other Student Activity	\$124,498	\$128,278	\$156,802	\$28,524	
4110	Custodial	\$1,668,519	\$1,650,798	\$1,744,447	\$93,649	
4120	Heating of Buildings	\$539,018	\$451,473	\$508,543	\$57,070	
4130	Utilities	\$860,124	\$833,882	\$855,970	\$22,088	
4210	Maintenance of Grounds	\$76,241	\$85,439	\$87,140	\$1,701	
4220	Plant Maintenance	\$892,838	\$914,174	\$955,076	\$40,902	
4230	Repairs of Equipment	\$115,505	\$122,405	\$129,125	\$6,720	
5100	Employee Retirement	\$32,216	\$57,115	\$57,073	-\$42	
7000	Non-Instructional Equipment	\$1	\$1	\$1	\$0	
	Allowance for increases	\$0	\$456,731	\$194,275	-\$262,456	
	<b>Total Regular Education</b>	<b>\$36,063,107</b>	<b>\$37,858,232</b>	<b>\$40,048,869</b>	<b>\$2,190,637</b>	<b>5.79%</b>
2100B	Sped Supervision	\$338,349	\$353,354	\$356,274	\$2,920	
2300B	Sped Instruction	\$6,563,706	\$6,876,169	\$7,571,670	\$695,501	
2350B	Sped Prof. Development	\$9,900	\$9,900	\$9,900	\$0	
2400B	Sped Textbooks	\$900	\$900	\$1,550	\$650	
2700B	Sped Counseling	\$466,479	\$481,442	\$495,571	\$14,129	
2800B	Sped Psychological Services	\$280,040	\$307,856	\$320,700	\$12,844	
3300B	Sped Transportation	\$667,274	\$680,156	\$809,640	\$129,484	
9100B	Sped Prog w/other Districts	\$3,149,446	\$3,113,630	\$3,042,354	-\$71,276	
	<b>Total Special Education</b>	<b>\$11,476,094</b>	<b>\$11,823,407</b>	<b>\$12,607,660</b>	<b>\$784,252</b>	<b>6.63%</b>
3300E	Vocational Transportation	\$10,400	\$10,400	\$10,400	\$0	
9100E	Vocational Tuition	\$64,124	\$70,659	\$133,244	\$62,585	
	<b>Total Votech</b>	<b>\$74,524</b>	<b>\$81,059</b>	<b>\$143,644</b>	<b>\$62,585</b>	<b>77.21%</b>
	<b>Total Proposed Budget</b>	<b>\$47,613,724</b>	<b>\$49,762,698</b>	<b>\$52,800,172</b>	<b>\$3,037,474</b>	<b>6.10%</b>

# Service and Facilities

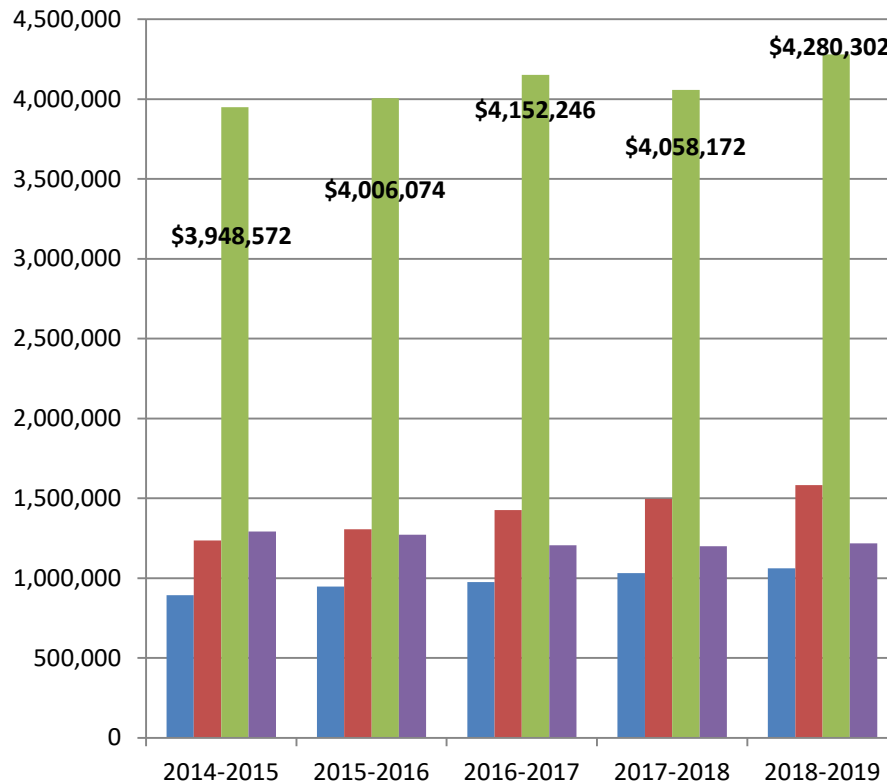
## FY 19

- ▶ Recap FY 19 Budget from Administration
- ▶ September Planning Meeting Initiatives
  - ▶ HR Resources
  - ▶ Website
  - ▶ Master Plan
- ▶ State of the Plant Facilities
- ▶ Update on Personnel Contracts
- ▶ FY 19 Budget Requests
  - ▶ Maintenance and Custodial 
  - ▶ Energy 
  - ▶ Transportation 
  - ▶ Athletics and Student Activities 
- ▶ Capital Request Update 



# Administration, Facilities, Health and Transportation Trend

## FY 19 Preliminary Budget



### Budget Trend

- Sch Committee and Admin
- Health and Student Activities
- Facilities and Operations
- Regular Transportation

# Aging Infrastructure and Equipment

## ▶ Areas Requiring Attention

### ▶ High School 20 Years

- ▶ Glass block windows over gym need replacement
- ▶ Roof top air handlers need replacement
- ▶ Boilers have multiple major repairs
- ▶ Still a need for expanded health and wellness facilities

### ▶ Foster

- ▶ Major annual PM needed to extend facility life

### ▶ Plymouth River

- ▶ Still needs new windows
- ▶ Older windows are rusting and eroding

### ▶ South School, HS

- ▶ Major roof work on the horizon

### ▶ Building 179 and Building 12

- ▶ Still looking for an solution
- ▶ Buildings are just getting older

# State of the Plant

- ▶ Everything is stable and managed
  - ▶ Big items starting to present - Roofs, Windows, Boilers
  - ▶ Deferment may result in multiple major projects simultaneously
- ▶ New facilities require more preventative maintenance
  - ▶ Technical buildings and equipment need check ups
- ▶ Transportation Vehicles
  - ▶ Yellow buses are performing very well
    - ▶ Efficient and maintenance costs within budget
    - ▶ 2019 will be year 3 of 5
  - ▶ Replacement plan in place for Special Ed Vans
  - ▶ Maintenance Vehicles need a replacement plan

# Personnel Contracts

- ▶ Complete
  - ▶ Teachers
  - ▶ Administrator's Association
  - ▶ Food Service
- ▶ Handshake agreements but still open
  - ▶ Para Educators - SC vote scheduled for 1/22/18
  - ▶ Maintenance and Custodians
- ▶ Yet to begin
  - ▶ Bus and Van Drivers - Maybe Jan 29?
- ▶ Up and coming for Fiscal 2019
  - ▶ Time Reporting - Capital Item

# Maintenance and Custodial Needs FY 19



- ▶ Personnel, Operating Funds, and Capital
  - ▶ No Requests for Personnel
    - ▶ Suitably staffed at this time
    - ▶ Time Reporting
  - ▶ Operating funds up 9.3% year over year \$30K
    - ▶ Aging Infrastructure
    - ▶ Inflation is not dead in trades
      - ▶ HVAC, Elevators, Electrical, and Plumbing
  - ▶ Workforce Changeover
    - ▶ About ½ the staff is on steps
- ▶ Deferred South request for .5 custodian to bring the school to 3.5 custodians



# Energy Forecasting Method

- ▶ FY 18 based on FY 16 actual usage adjusted for seasonality
- ▶ FY 19 based on FY 17 actual usage adjusted for seasonality
- ▶ Previous years usage adjusted to the high range of an average year based on 10 year rolling Heating Degree Day Standard Deviation. 17 was a typical year. Factor =1
- ▶ Price based on existing pricing for electric and natural gas and projected contract pricing for oil, gasoline and diesel
- ▶ There is no crystal ball
- ▶ Actual energy expenditures can vary widely year to year
  - ▶ Severity of Winter
  - ▶ Equipment Failures

# Energy Forecasting



- ▶ Price Assumptions for Diesel and # 2 Heating Oil Increased from FY 18
- ▶ Electricity reflects HMLP cost restructure that went into effect in FY 18
- ▶ Overall electricity and heat is up about \$57,000

# Heating Degree Days

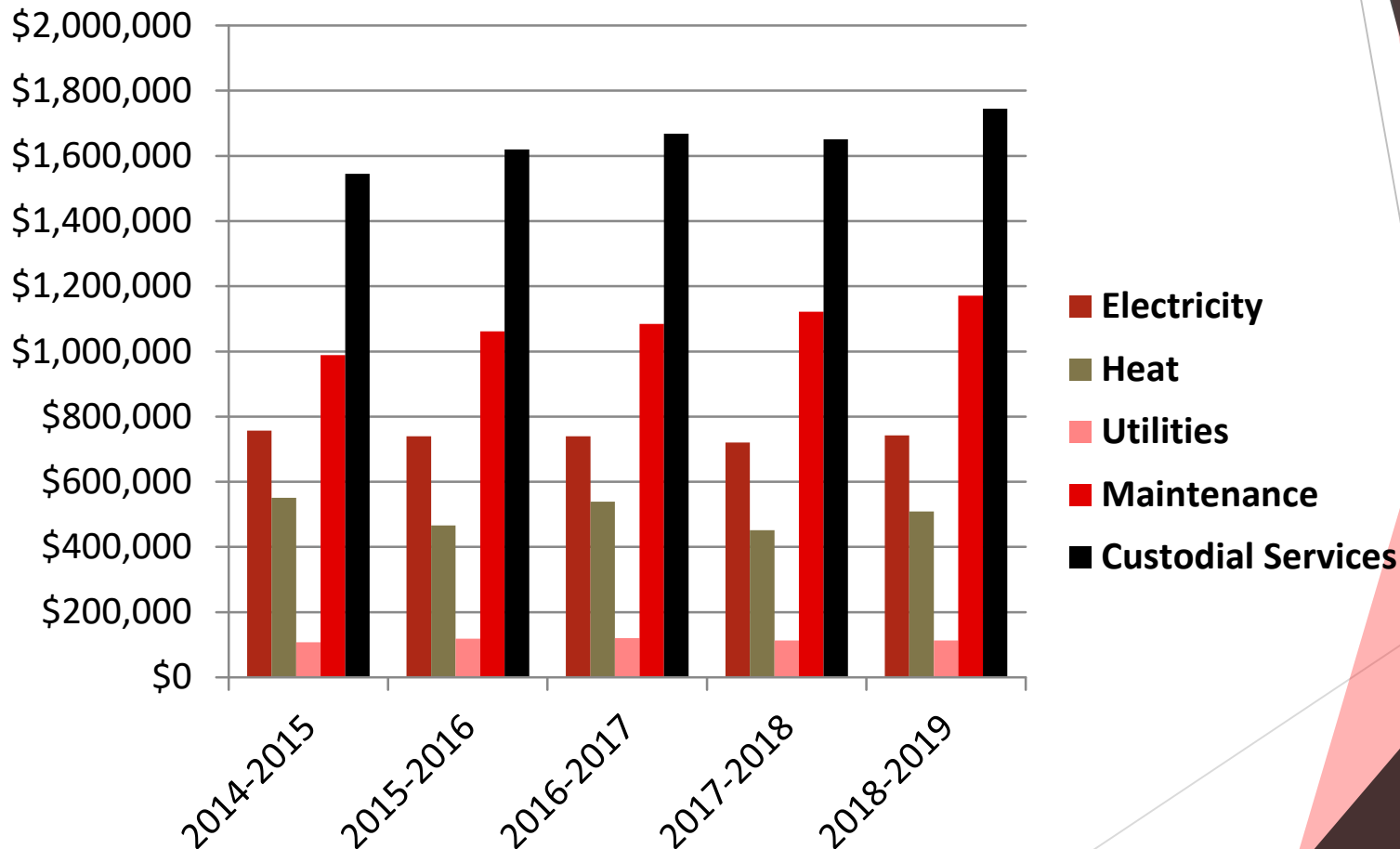
## How Cold was it last year?

New Source FY 16 10 Years	Boston	<a href="http://ftp.cpc.ncep.noaa.gov/htdocs/degree_days/weighted/legacy_files/heating/statesCONUS/2017/June.txt">http://ftp.cpc.ncep.noaa.gov/htdocs/degree_days/weighted/legacy_files/heating/statesCONUS/2017/June.txt</a>				
		<a href="http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/">http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/</a>				
		Remove				
HEATING DEGREE DAYS		High/Low				
2004-2005	5,909	5,909				
2005-2006	5,358	5,358				
2006-2007	5,368	5,368	95 Percent Confident it will fall within this range			
2007-2008	5,379	5,379	LOW	HIGH	Average	Weighted 75%
2008-2009	5,702	5,702	5,283	5,767	5,525	25%
2009-2010	5,135	5,135				
2010-2011	5,587	5,587	Proj. Usage	Base Yr 17	Factor for Adj.	
2011-2012	4,436		5,646	5,650	0.9992766	
2012-2013	5,375	5,375				
2013-2014	5,878	5,878				
2014-2015	6,060					
2015-2016	5,425	5,425	Average of statistical projection between high and low compared with the base year. Postive will increase usage negative with reduce usage. Factor is applied from Nov - Mar.			
2016-2017	5,650	5,660	It appears that 2017 was on target with usage and we'll us 1.0 for a factor for FY 19	Standard Dev weighted. 75% HIGH AND 25% LOW. Conservative Estimate		
AVERAGE	5,482	5,525				
STANDARD DEVIATION	411	242				
MEDIAN	5,425	5,475				

Heating is the primary driver for gas, oil and electric costs. Primary fuels are combusted while pumps, circulators, and blowers distribute the heat.

# Hingham Public Schools FY 19 Preliminary Budget

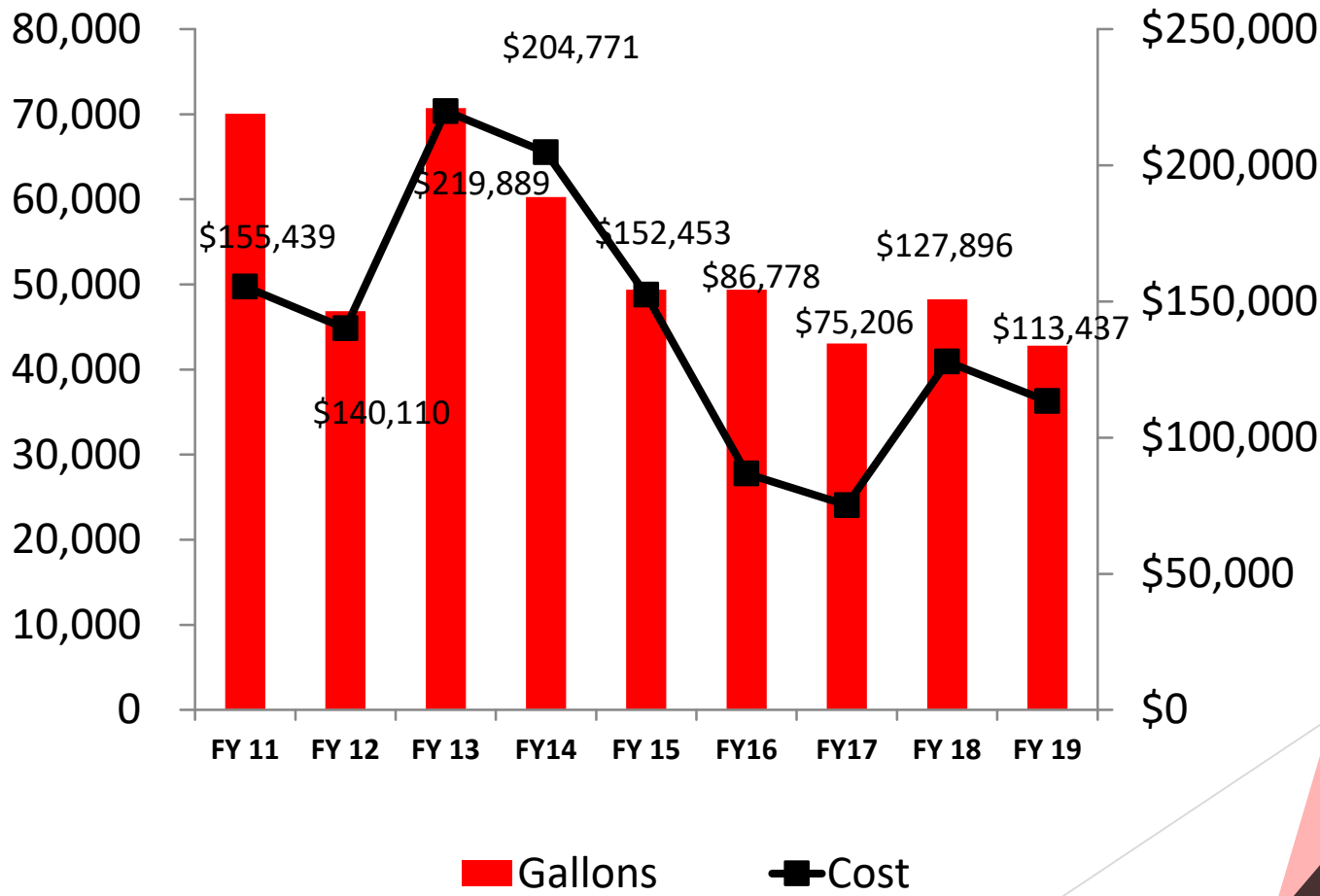
## Facilities and Operations



# Oil Usage and Cost Trend

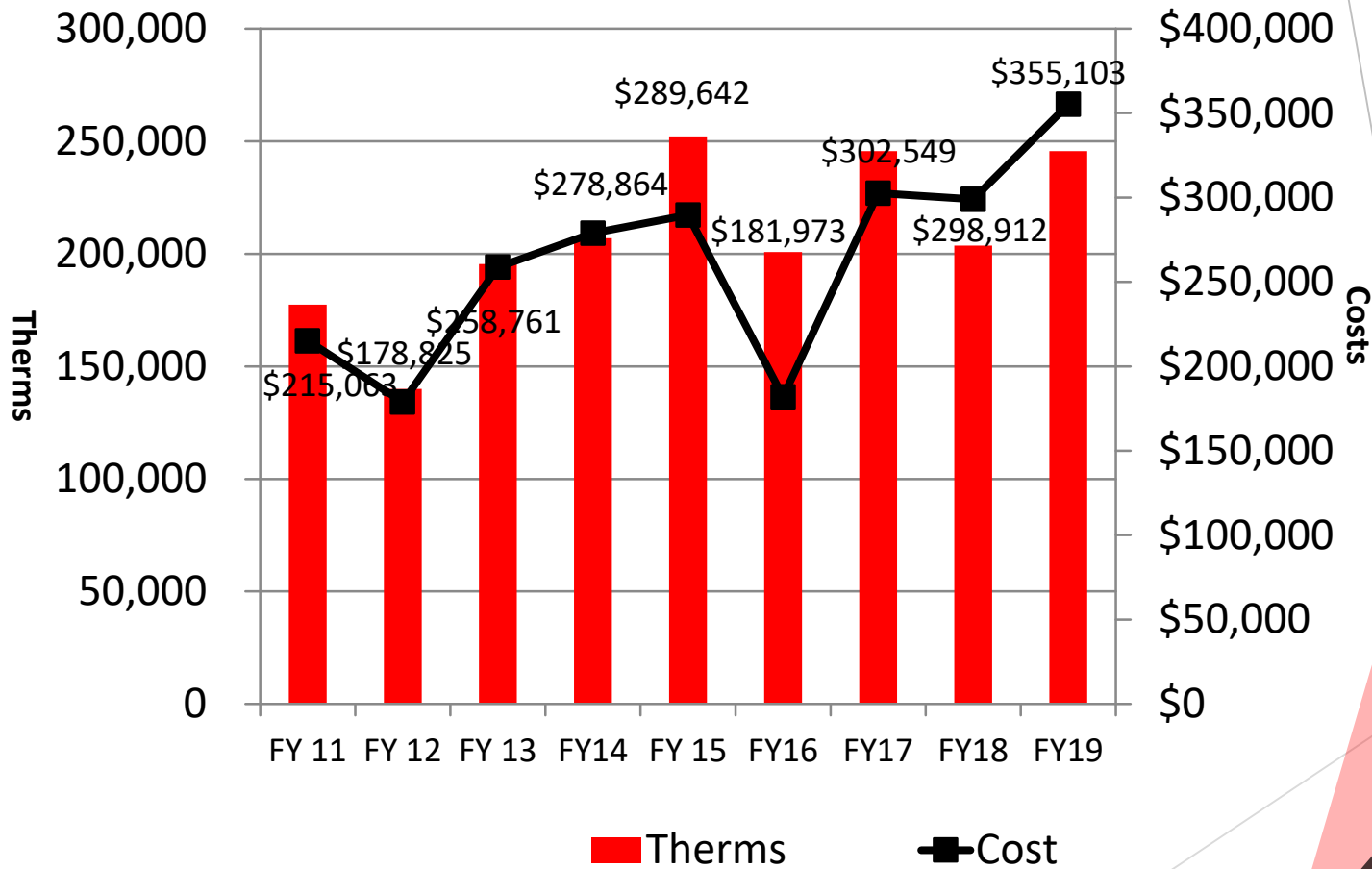
## FY 11 - FY 17 Actual

## FY 18 and 19 Budget

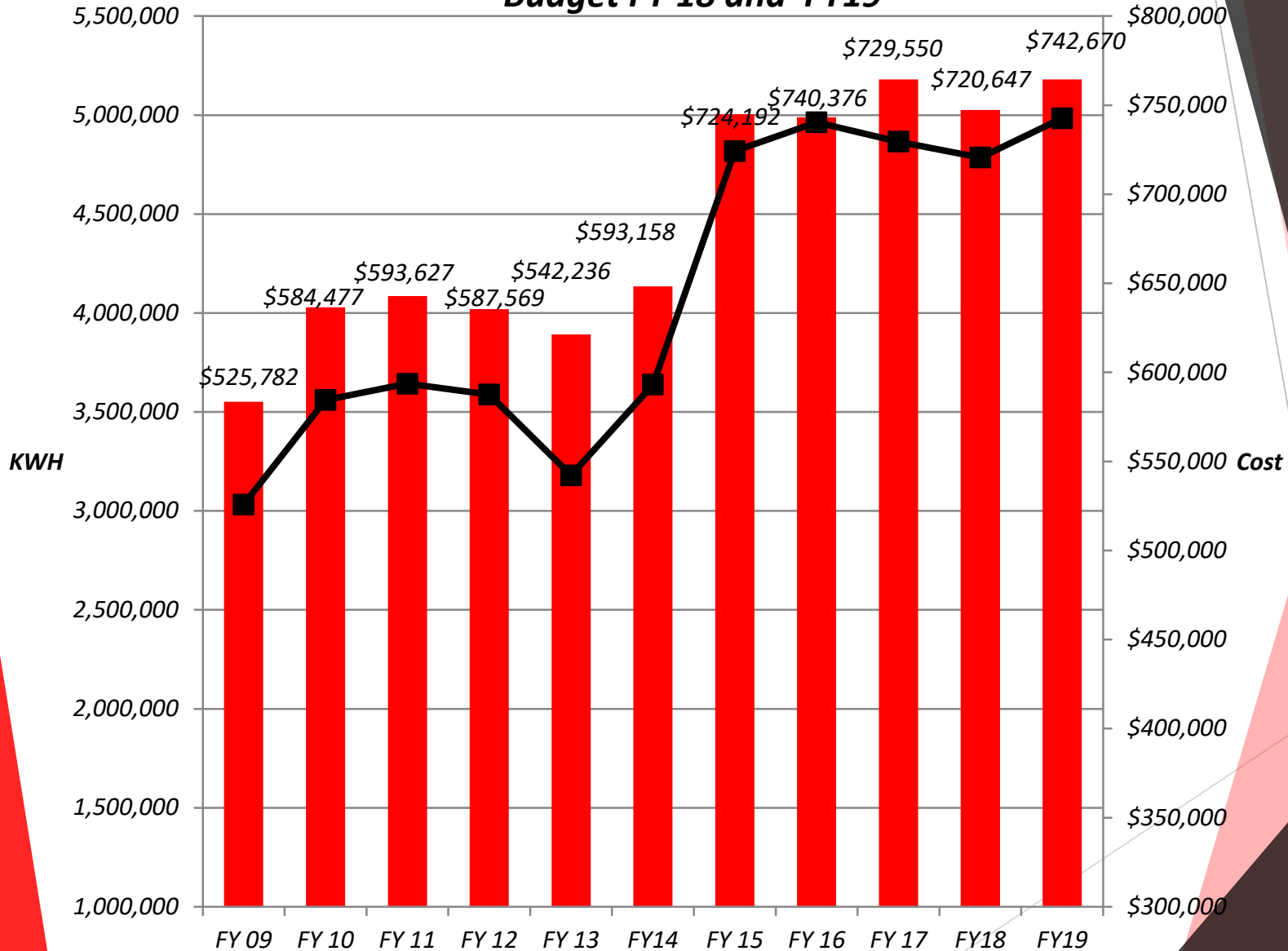


## Natural Gas Usage Trend

**FY 11 - FY 17 Actual**  
**FY 18 - FY 19 Budget**



**Electricity KWH Usage and Cost**  
**Actual FY 09 - FY 17**  
**Budget FY 18 and FY19**



# Transportation



- ▶ FY 19 is the Third Year of the Bus Lease
  - ▶ Budget basically flat
  - ▶ New operating method is working great
  - ▶ Budget changes primarily energy costs and contractual obligations. Planning a new bus for METCO program which will be funded by grant.
  - ▶ Area to leverage for future benefits to the town
    - ▶ Evaluate Special Ed Transportation
    - ▶ More Athletic Runs
    - ▶ Buses and vans equipped with ZONAR GPS, Electronic Inspection, and Cameras (2 per bus - Big Yellow only )



# Athletics



- ▶ Basically Status Quo in Transition Year
- ▶ Budget reflects contract transportation decrease as HPS takes over more runs
- ▶ Athletic Revolving offset exceeds revenues collected as the balance that was reserved for the field project is reduced over several years

# Student Activities



- ▶ New Procedures implemented in FY 18
- ▶ MS activity revenue was down significantly in FY 17
- ▶ New Club Stipend Requests for FY 19
  - ▶ Climate Committee - HS
  - ▶ Bee Keeping - HS
  - ▶ Cooking - HMS (2)
- ▶ The budget process also approves clubs for the next year

# Capital Projects

- ▶ Brief Read out meeting with Capital outlay on January 17, 2018
- ▶ Update on HS glass block window project



Questions?  
Discussion