























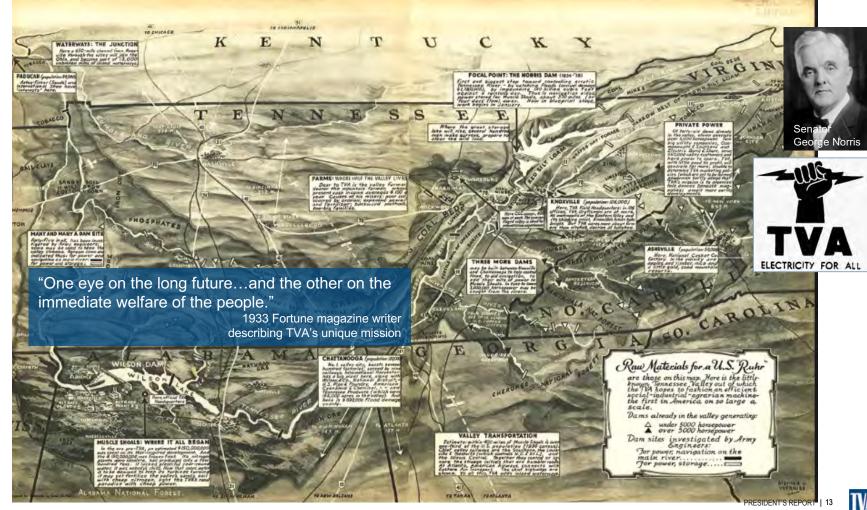
TO PA

TENNESSEE VALLEY PUBLIC POWER ASSOCIATION



Greg WilliamsChairman

THANK YOU



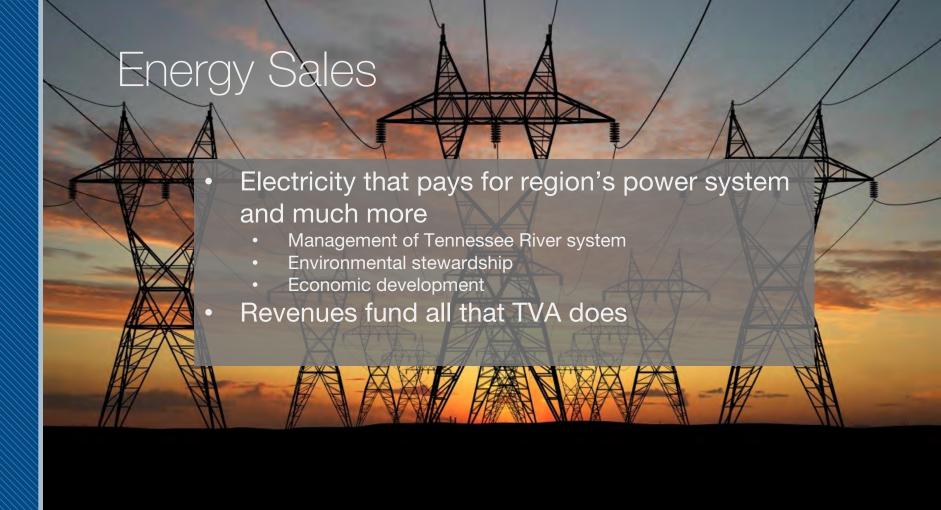




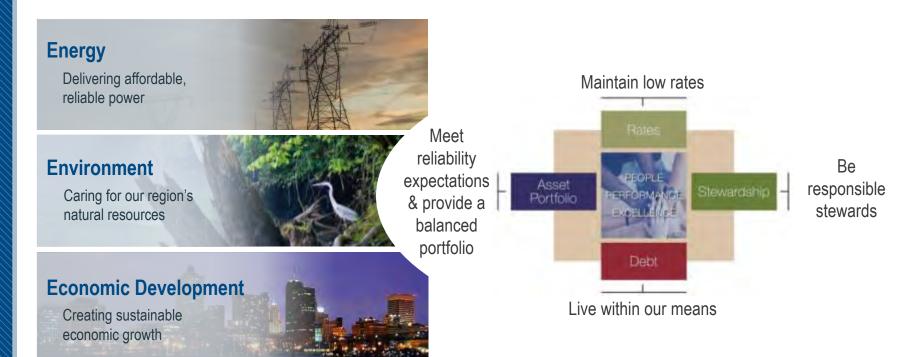








Mission | Strategic Imperatives





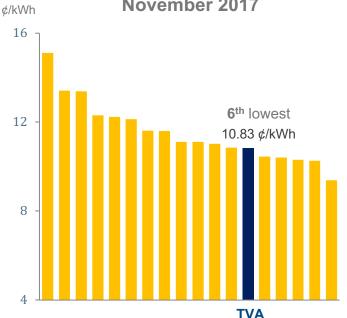
TVA Act

(PUBLIC...No..../7....73d CONGRES

consider desirable for investment in power system assets, retirement of outstanding bonds in advance of maturity, additional reduction of appropriation investment, and other purposes connected with the Corporation's power business having due regard for the **primary** objectives of the Act, including the objective that power shall be sold at rates as low as are feasible. In order to protect the investment of holders of the Corporation's securities and the appropriation investment as defined in subsection (e) hereof, the Corporation, during each successive five-year period beginning with the five-year period which commences on July 1 of the first full fiscal year after the effective date of this section, shall apply net power proceeds either in reduction

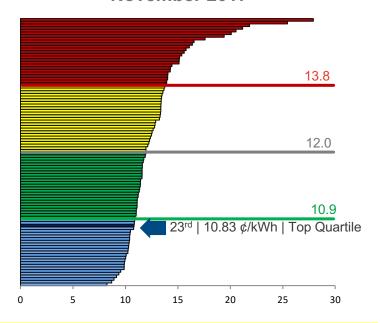
Improving Residential Rate Competitiveness





April 2013 – 9th lowest

Among Top 100 U.S. Utilities November 2017

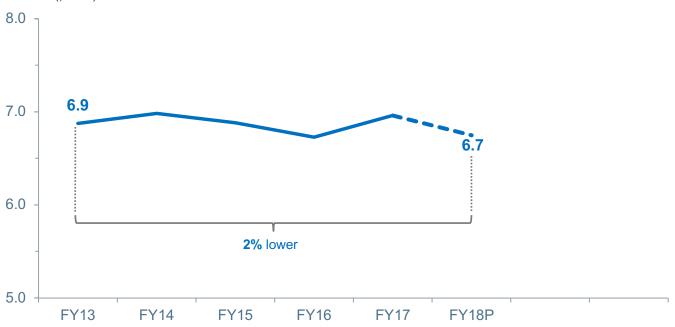


April 2013 – 33rd lowest – 4% Gap to Top Quartile



Maintaining Low Rates - Wholesale

Wholesale Rate (¢/kWh)



Pricing





Energy | Environment | Economic Development







Browns Ferry Nuclear Plant



Allen Plant



Combined Cycle Units

Allen Fossil Plant



A.C. Cox SEPARATING FOSSIL PLANT FROM THE GRID

Energy | Environment | Economic Development







Dams



Guntersville



Wilson

Flood Control



Energy | Environment | Economic Development









Economic Development Accomplishments

First Six Months FY18
40,200
New or Retained Jobs

\$8.5 Billion Capital Investment



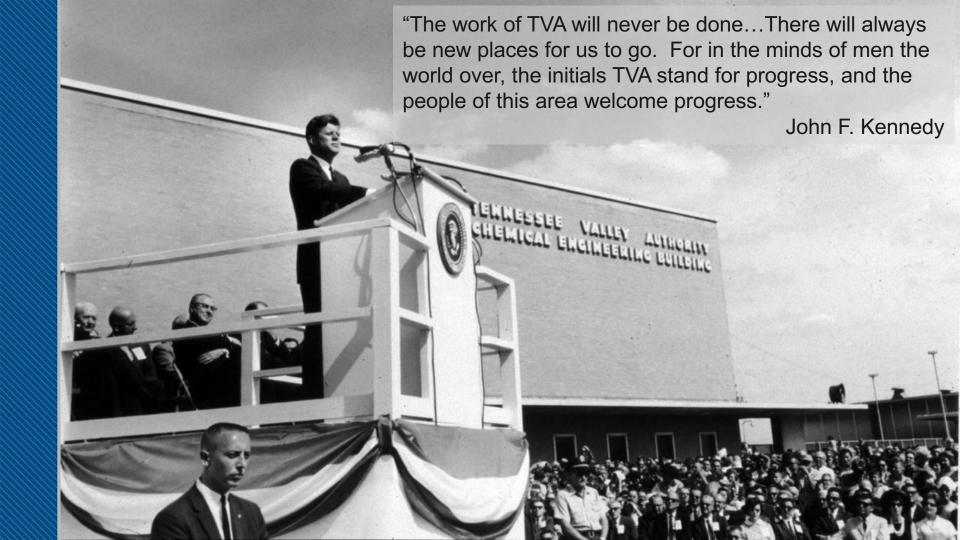
















Board Meeting

May 10, 2018 Muscle Shoals, Alabama





Board Meeting

May 10, 2018 Muscle Shoals, Alabama









Q2 Fiscal Year 2018

Net Income: \$750M

\$363M more than budget and \$437M above last year

Operating Cash Flow of \$1.8B

\$488M favorable to budget and \$326M above last year

Total Financing Obligations (TFO) - \$118M less than budget

Increased cash balance held to fund \$1.0B bond maturity due April 1

Q2 Summary Income Statement

\$363M favorable due to operating revenue and lower expenses

	FYTD 2018			FYTD 2017	
			Variance		'18 v '17
\$ million	Actual	Budget	Fav/(Unfav)	Actual	Fav/(Unfav)
Operating Revenue	\$ 5,341	\$ 5,063	\$ 278	\$ 5,093	\$ 248
Fuel & Purchased Power	1,463	1,442	(21)	1,557	94
Total O&M	1,406	1,442	36	1,440	34
Taxes, Depreciation, Other	1,086	1,094	8	1,106	20
Interest	636	698	62	677	41
Net Income (Loss)	\$ 750	\$ 387	\$ 363	\$ 313	\$ 437

Q2 Summary Cash Flow Statement

TFOs were \$118M favorable to budget, reflecting \$189M of unfavorability FYTD 2018

	FYTD 2018			FYTD 2017	
\$ million	Actual	Budget	Variance	Actual	'18 v '17
Cash Flow from Operating Activities	\$ 1,842	\$ 1,354	\$ 488	\$ 1,516	\$ 326
Cash Flow used in Investing Activities	(1,141)	(1,366)	225	(1,302)	161
Cash Flow from Financing Activities	192	12	180	(214)	406
Net Change in Cash & Cash Equivalents	893	-	893	-	893
Ending Cash & Short-Term Investments	1,193	300	893	300	893

Ending Debt and Financing Obligations \$ 26,189 \$ 26,307 \$ 118 \$ 25,954

(235)



Q2 Summary (Results v. Plan)

Higher Demand Sales – cold winter drove favorable peak demand revenue

Lower Expenses – operating and interest

Lower Debt Balance – favorable cash flows resulting in less debt





Collaborative Process

Since November of 2016, TVA has worked in collaboration with Local Power Companies and Directly Served Customers on wholesale rate changes that will modernize TVA's pricing structure.

Background

Today's pricing structure does not reflect the value of TVA's extensive, reliable power grid that serves all consumers across the region. Modernized pricing is needed to set pricing that is fair and more closely reflects the cost of providing power.

Key Proposal Elements

TVA's 2018 rate change proposal will:

- Lower wholesale energy rates and introduce a fixed component
 the Grid Access Charge
- Lower energy rates for some commercial customers to better reflect cost of service

This revenue neutral wholesale change will support greater bill stability, recognize the value provided by the grid, support economic growth and ensure fairness for customers across the Valley.

Additional Modifications

- Update Hydro Debits and Credits
- Improve Total Monthly Fuel Costs
- Align Retail Rate Options with Wholesale
- Simplify Rates and Processes

Recommendation

- Approve the implementation of a new wholesale rate structure to reduce the energy rate by ½ cent/kWh and introduce a Grid Access Charge of ½ cent/kWh
- Approve energy reduction to some commercial rates to better reflect cost of service
- Approve additional modifications as described





Background

Local Power Company (LPC) Request

LPCs have requested a retail Electric Vehicle (EV) Rate for the sole purpose of charging electric vehicles.

Proposal

TVA proposes to offer the EV Rate as a three-year pilot program. After two years TVA will perform an evaluation and make a recommendation to the TVA Board. The rate will be optional upon request on a Residential and Commercial basis for the sole purpose of charging individual-owned electric vehicles. Rates will be cost based and developed in conjunction with LPCs.

Recommendation

- Approve the three-year pilot program for an electric vehicle charging rate offering for:
 - Residential Electric Vehicle Residential Service (EVRS)
 - Commercial Electric Vehicle General Service A Class (EVGSA):
 - EVGSA Small (less than 50 kW)
 - EVGSA Large (more than 50 kW, less than 5 MW)





Purpose

- Request the Board delegate authority to the Chief Executive Officer (CEO) to enter into firm transportation (FT) service contracts with Tennessee Gas Pipeline Company, LLC (TGP) for:
 - 21,000 MMBtu of capacity to TVA's Magnolia and Caledonia CC plants for a 12-year term; and
 - a 7-year term extension of existing transportation agreements and options to extend for services to TVA's gas fired plants
- Request the Board delegate authority to the CEO to approve divestiture of the Johnsonville lateral pipeline with TGP



Background

New Transportation Services from Marcellus Shale on TGP and Renewal of Existing Services

- Marcellus Shale accounts for ~30% of gas produced in the U.S. and is expected to grow
- New and extended transportation services will help economically expand and diversify TVA's transportation portfolio

Johnsonville Lateral Divestiture with TGP

- TVA currently owns and operates a pipeline lateral which connects TGP's pipeline to TVA's Johnsonville plant
- TVA is negotiating with TGP to divest the lateral asset while maintaining all commercial benefits



Overall Benefits

- Acquiring new Marcellus FT capacity:
 - Access to low cost natural gas for TVA's fleet;
 - Securing long term FT at favorable rates; and,
 - Additional diversity for sourcing supply;
- Extending existing FT agreements with TGP:
 - Locking in favorable rates past current agreement term (7 Yrs.)
 - Flexibility to respond to TVA's evolving generation portfolio
- Lateral Gas Pipeline Divestiture
 - Avoid Operations and Maintenance Expenses (O&M)
 - Maintain commercial benefits of transportation services



Recommendation

- Recommend the Board delegate authority to the CEO to approve:
 - Entering into new firm transportation contracts with TGP for service out of the Marcellus to TVA's plants on TGP's system; and
 - Extending existing agreements with TGP for service out of the Gulf Coast to TVA's plants.
 - Divesting of the Johnsonville lateral pipeline, associated equipment, and associated land or land rights to TGP on terms and conditions acceptable to the CEO and subject to applicable TVA standard processes and completion of all appropriate environmental reviews.





Purpose

 Request Board approval to enter into a long term firm gas transportation agreement with Texas Gas Transmission, LLC (TGT) for up to 230,000 MMBtu of capacity in the winter for service to TVA's Southaven and Lagoon Creek CC plants for a 10-year term starting April 1, 2020.

Background

- The current natural gas transportation agreements to TVA's Southaven plant via TGT and Lagoon Creek plant expire in the Spring of 2020.
- To ensure adequate transportation to TVA's Southaven and Lagoon Creek plants, Coal & Gas Services issued a request for proposal (RFP) for service after the current agreements expire in 2020.
- Based on the proposals received and subsequent negotiations, TGT was determined to be the lowest cost option to serve both Southaven and Lagoon Creek.

Overall Benefits

- Securing Firm Transportation services vital to TVA's gas generating assets.
- Locking in favorable rates past current agreement term (10Yrs.)
- Increased flexibility to meet generation demand changes on TGT's system.
- Increased reliability of transport to TVA's gas generating assets on TGT's system.

Recommendation

 Recommend the Board approve entering into a new firm transportation agreement with TGT for service to TVA's Southaven and Lagoon Creek plants on TGT's system.







Purpose

Request the Board delegate:

- New authority to the Chief Executive Officer regarding conveyances of non-bulk electric system assets and natural gas lateral pipelines
- -Modify an existing delegation regarding conveyances of equipment valued at \$4 million or less

Actions taken under these delegations would be consistent with the TVA Board's Land Policy

Existing and Proposed Delegations

Existing Delegations All Transactions				
Land only	\$4 million			
Equipment only	Not Addressed			

Proposed Delegations				
Non-Bulk Electric System Assets and Pipeline Laterals				
Land	\$4 million			
Equipment	\$25 million			
All Other Transactions				
Land and Equipment	\$4 million			
Land only	\$4 million			
Equipment only	\$4 million			

Benefits of Proposed Delegations

Strategic Transmission Asset Conveyances

- Sustain and reduce rates
- Improve reliability
- Provide more flexibility for local power companies

Natural Gas Lateral Pipeline Conveyances

- Avoid maintenance expenses
- Enhance long-term reliability
- Eliminate insurance costs and liability concerns

Recommendation

Delegate authority to the Chief Executive Officer regarding conveyances of non-bulk electric system assets and natural gas lateral pipelines

Modify delegation authority regarding conveyances of equipment valued at \$4 million or less









Board Meeting

May 10, 2018 Muscle Shoals, Alabama

