BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

REDACTED

In re: Nuclear Power Plant Cost Recovery Clause

Docket No. 110009-EI

Twentieth
Request for Confidential Classification
Exhibit B

REDACTED

EXHIBIT NO. 427

REDACTED

DOCKET NO: 110009-EI

WITNESS: JOHN ELNITSKY

PARTY: PROGRESS ENERGY FLORIDA

DESCRIPTION: SMC STRATEGIC PLANNING RETREAT
PROGRESS ENERGY FLORIDA, SCENARIO ANALYSIS,
AUGUST 23, 2010

DOCUMENTS:

PROFERRED BY: OFFICE OF PUBLIC COUNSEL

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Key Assumptions - Updates

- March 2010 scenario
- Sensitivity Analysis to March 2010 Scenario (Moderate Change scenario)

  [redacted]

  –Levy in 2027 and 2028

  [redacted]

Scenario Analysis

What to Keep in Mind

REDACTED

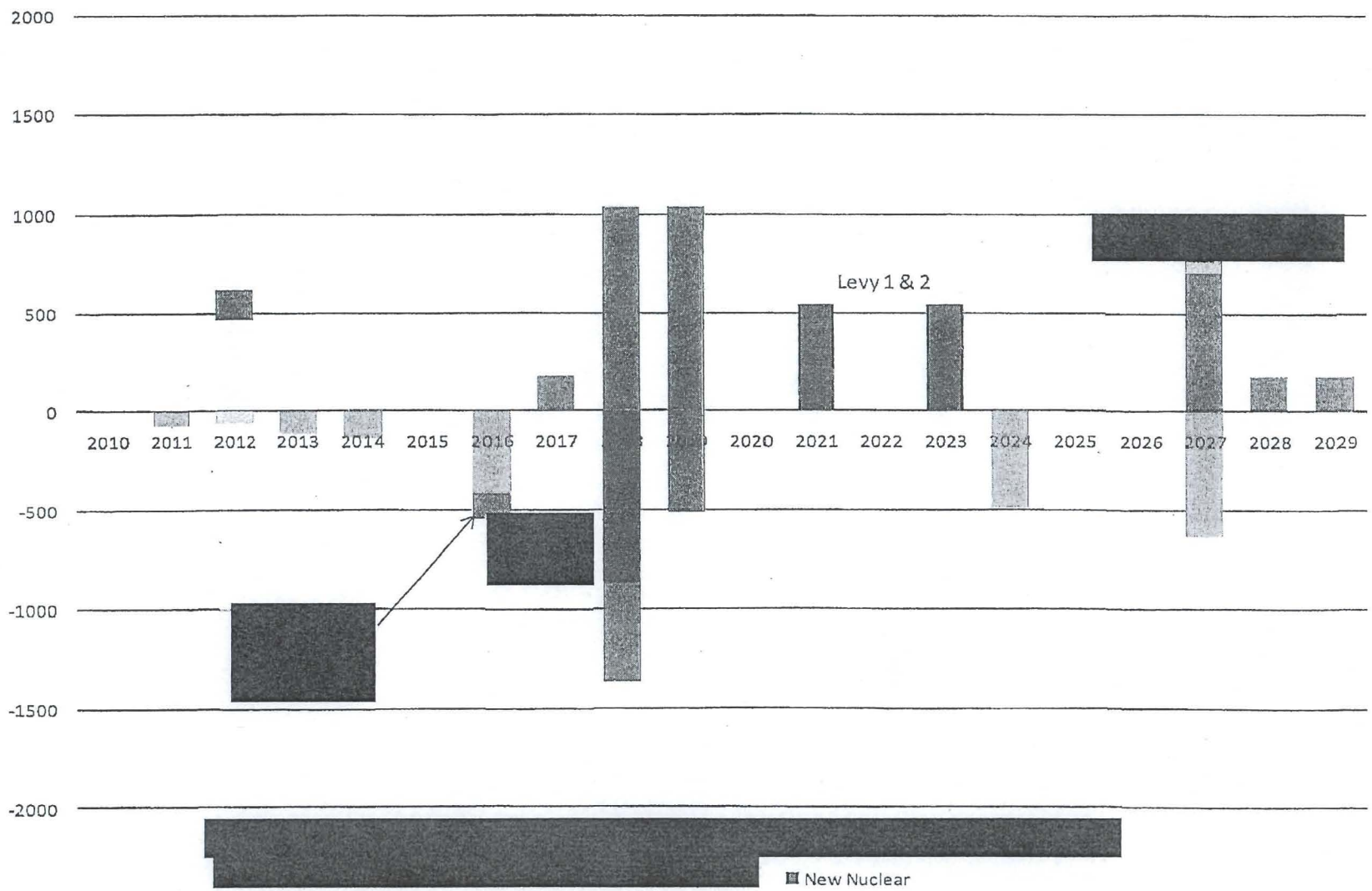
[redacted]

[redacted]

Scenario: March 2010

Resource Plan

REDACTED



Scenario: Moderate Change

Resource Plan

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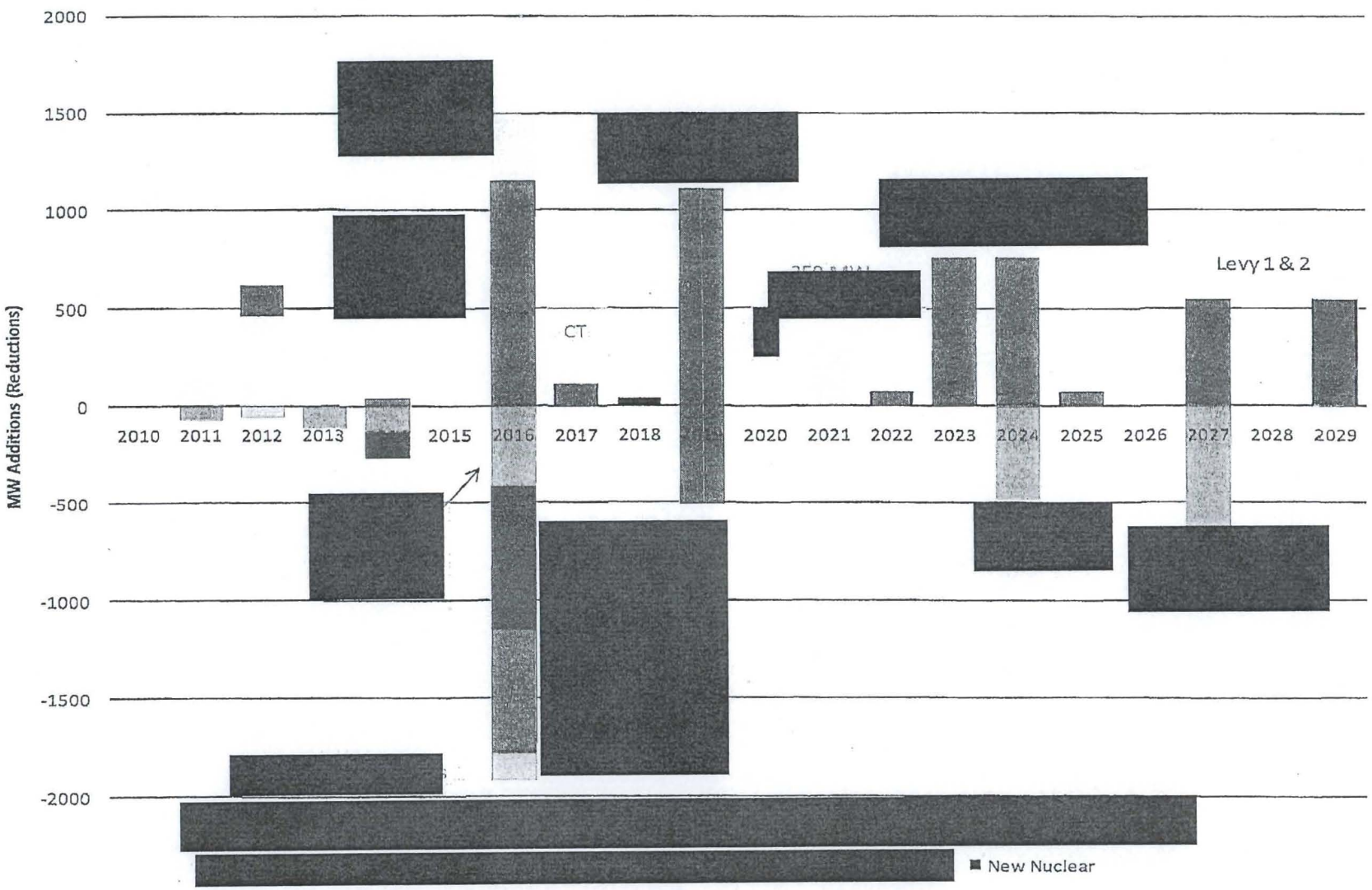

Resource Plan Comparison

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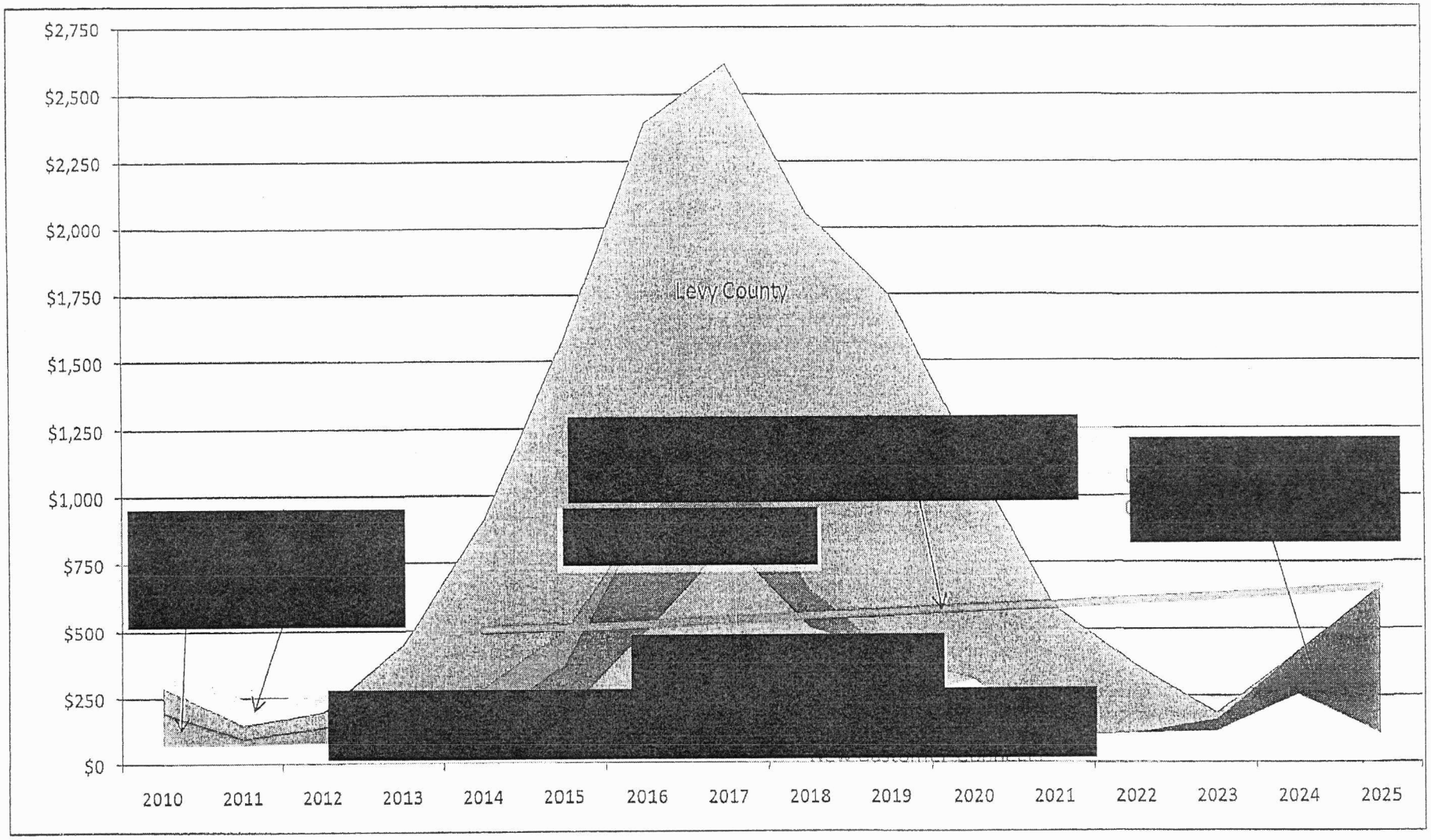
Levy	'21, '22	N/A	'27, '28	'27, '28	'24, '26

Scenario: March 2010

Strategic Capital

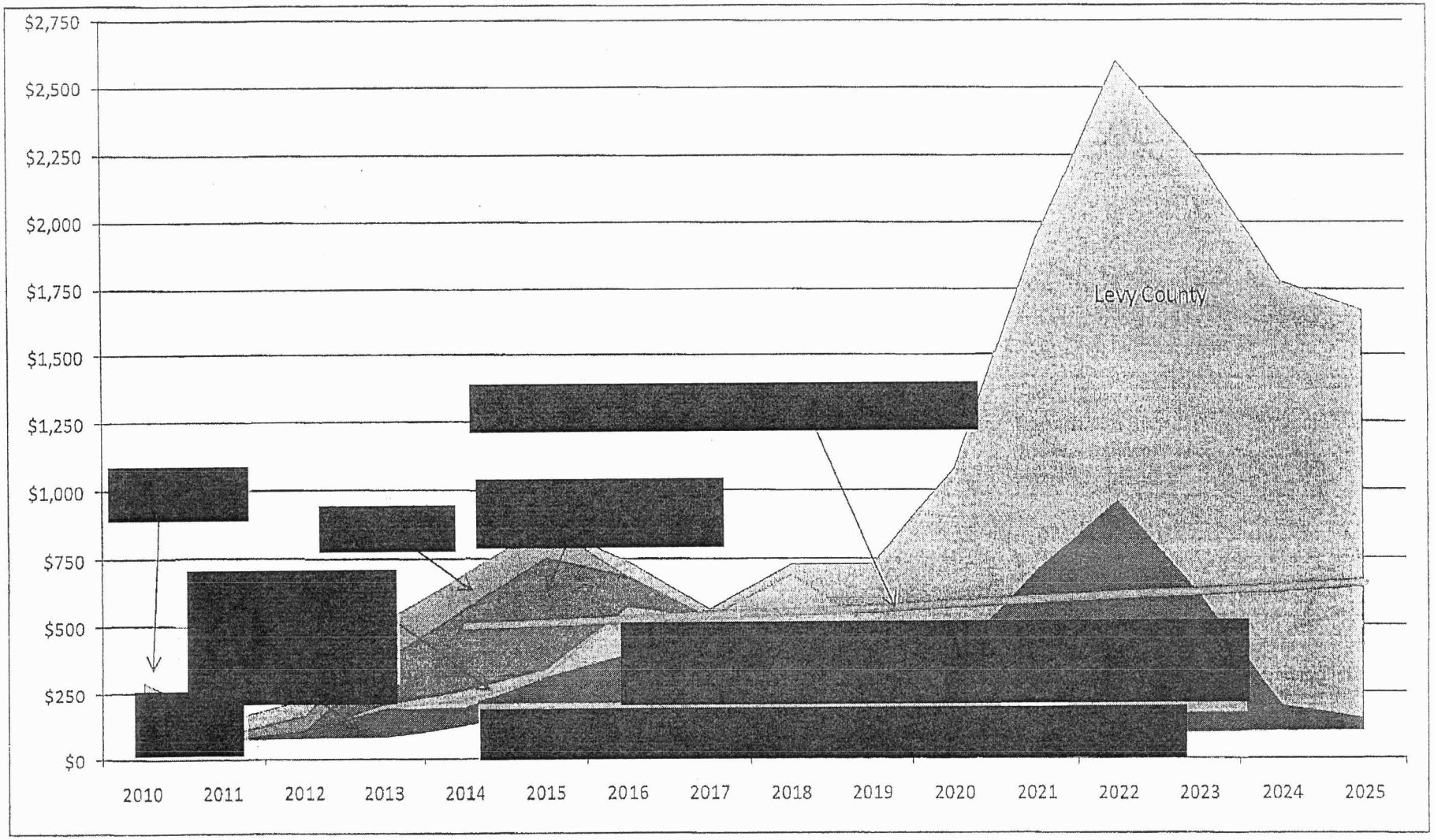
REDACTED



Scenario: Moderate Change

Strategic Capital

REDACTED



Strategic Capital

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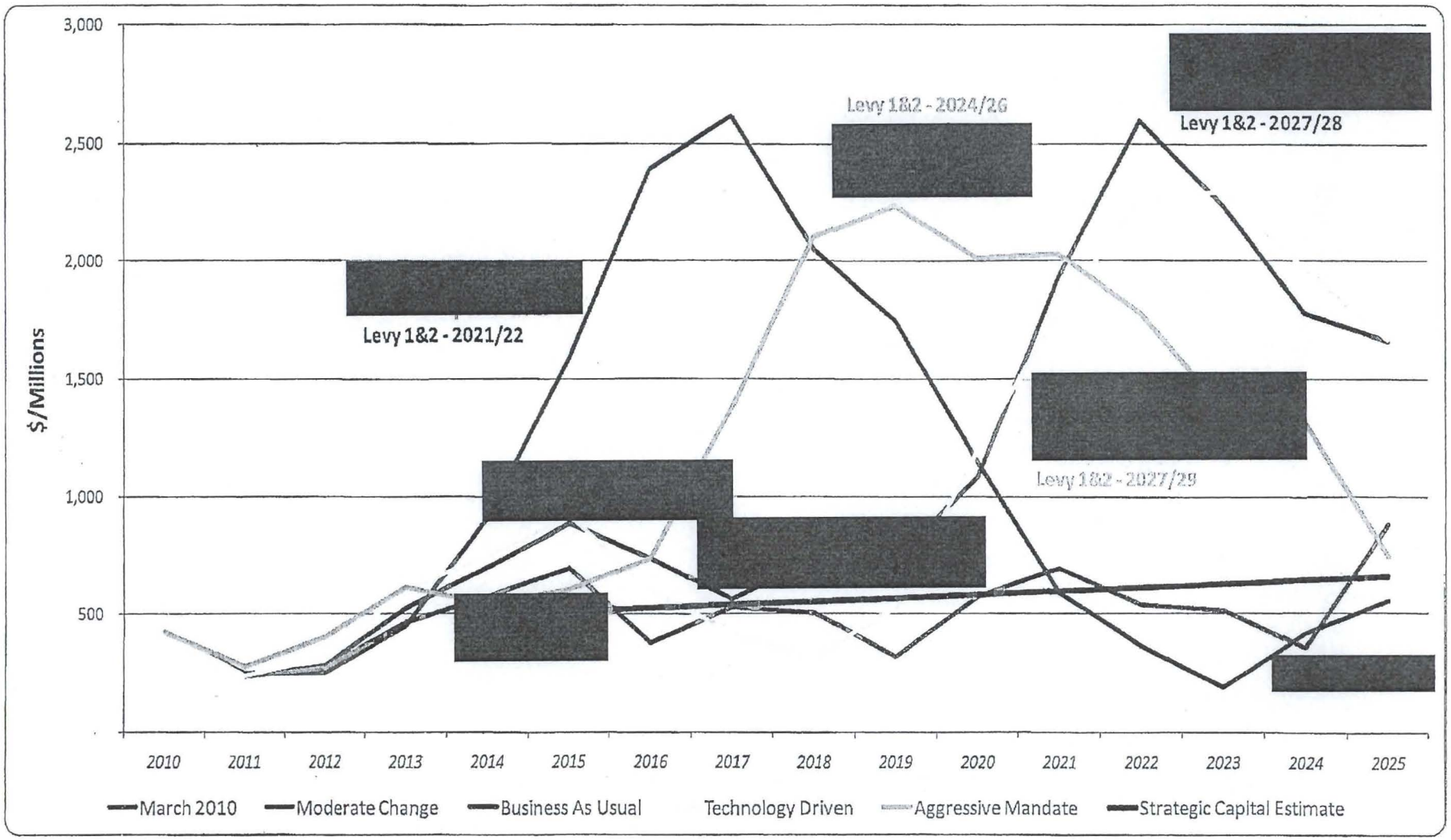

System Energy Mix

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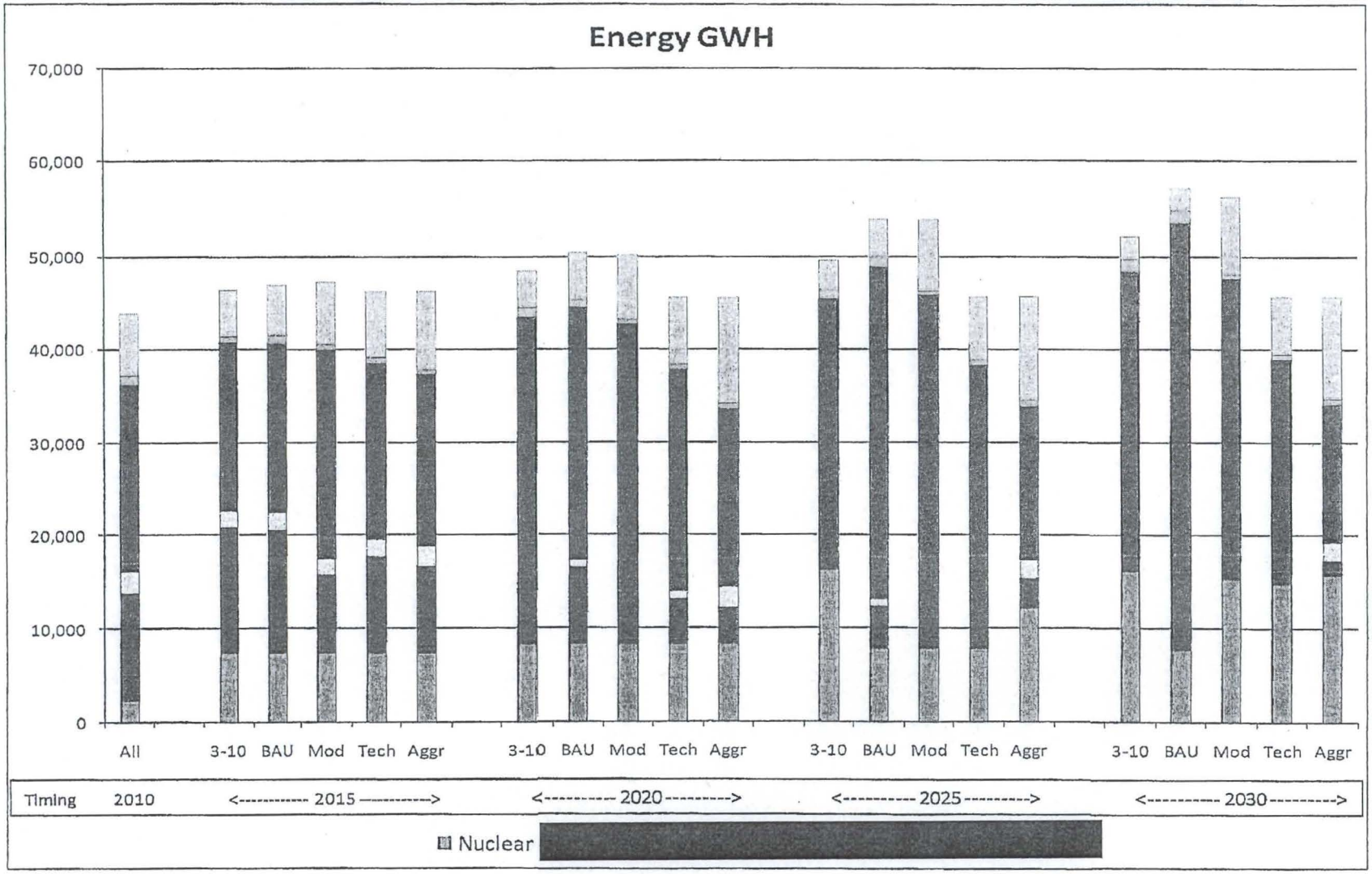

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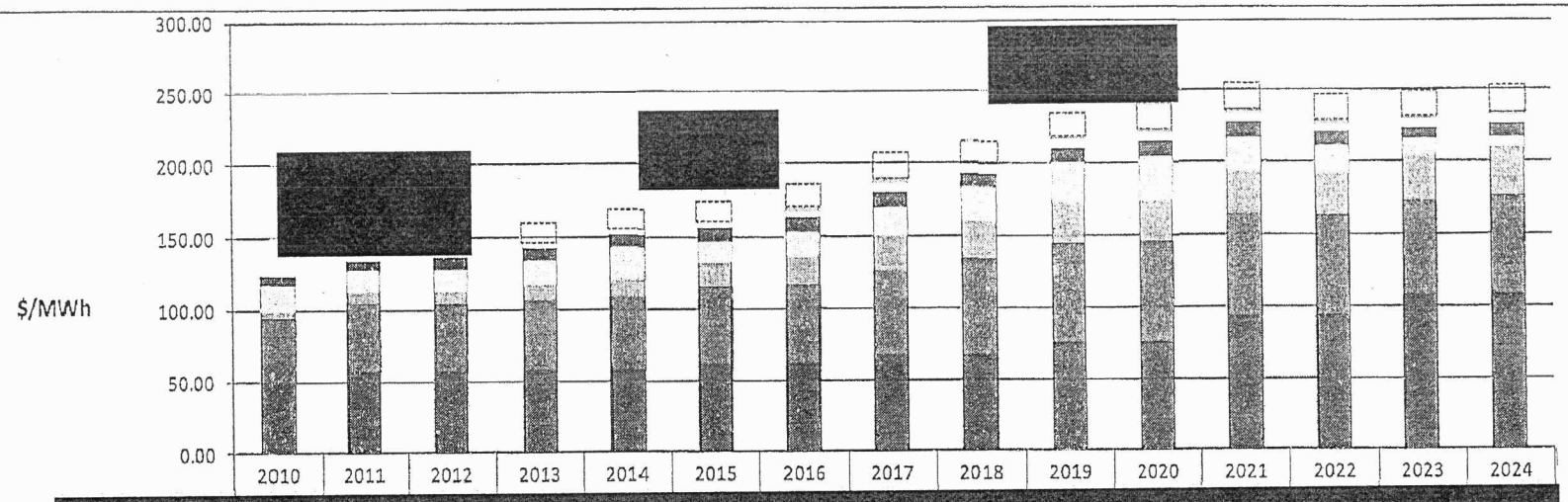
Scenario: March 2010

Residential Rate for 1,000 kWh

REDACTED

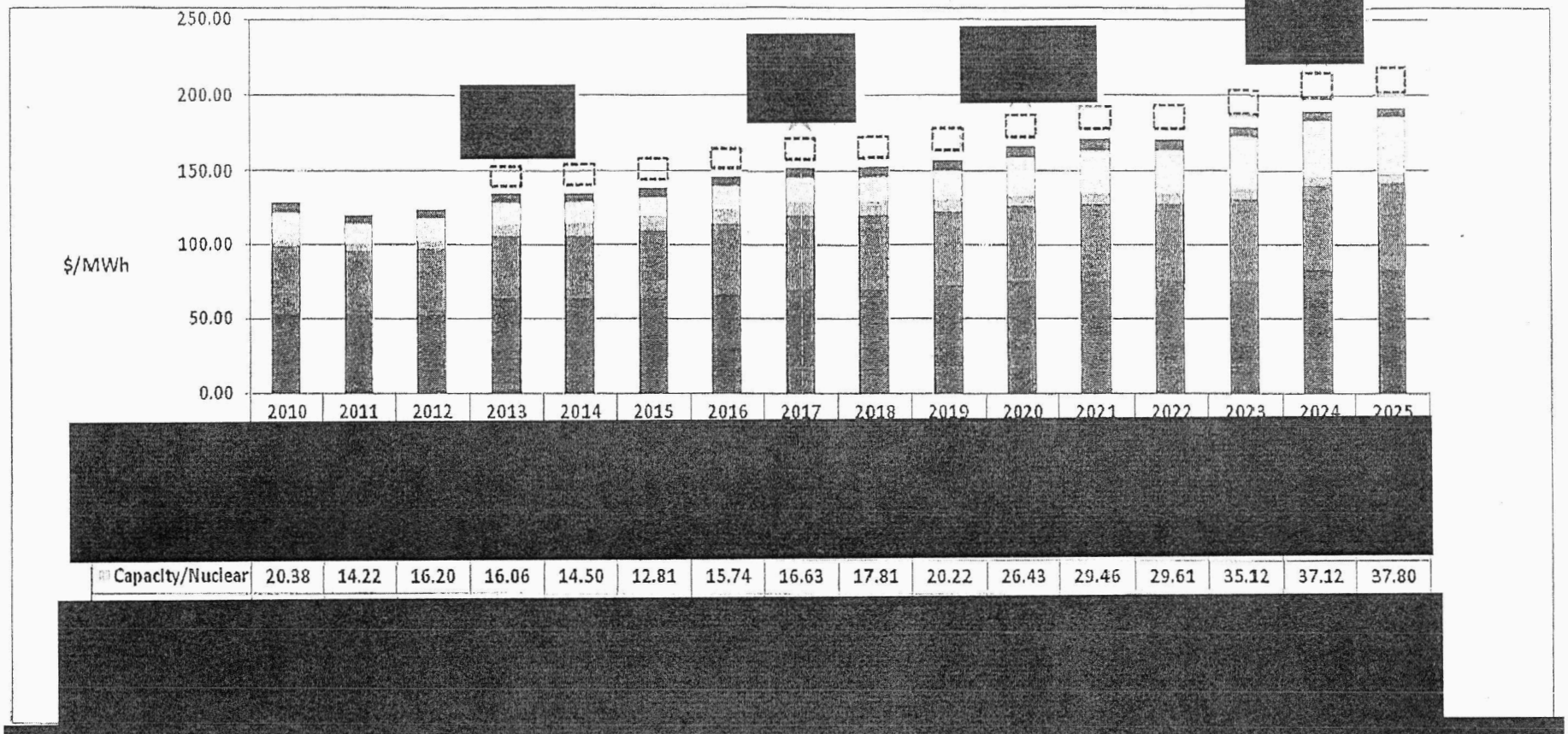


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Capacity/Nuclear	20.41	16.79	17.07	18.17	22.75	15.10	17.42	20.97	24.99	28.73	31.40	25.10	19.27	12.12	8.67

Scenario: Moderate Change

Residential Rate for 1,000 kWh

REDACTED



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Capacity/Nuclear	20.38	14.22	16.20	16.06	14.50	12.81	15.74	16.63	17.81	20.22	26.43	29.46	29.61	35.12	37.12	37.80

REDACTED

Residential Rate for 1,000 kWh

[redacted]

REDACTED

PEF Earnings

[redacted]

REDACTED

[redacted]

REDACTED

Scenario Implications - For Key Plan Components

	Moderate Change	Key differences in other scenarios, if any			
		March '10	BAU	Tech	Aggressive
[redacted]					
Levy	• Preferred resource, but dependent on robust policy support		• Not economic due to low gas and no GHG		
[redacted]			[redacted]		

REDACTED

Key Decision Timeline

[redacted]

REDACTED

Strategic Issues and Considerations

	Near-Term Decision	Longer-Term Strategy Considerations
[redacted]		
Levy	• Secure COL • Maintain policy support for nuclear	• Continue JO negotiations • Continue ongoing feasibility analysis • Capital markets availability and terms
[redacted]		

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Key Plan Risks

[redacted]

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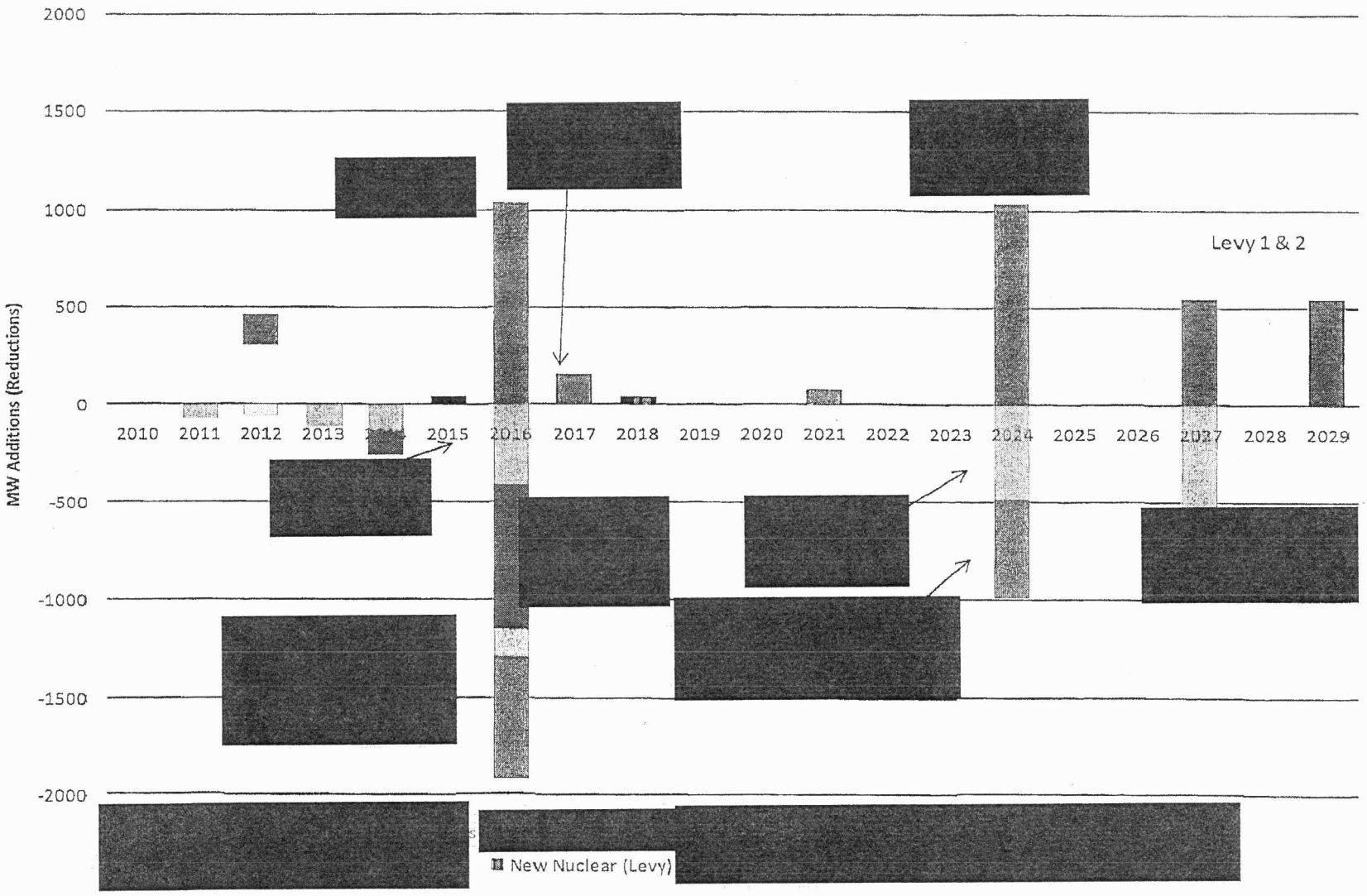
[redacted]

Scenario: Technology Driven Change

Resource Plan

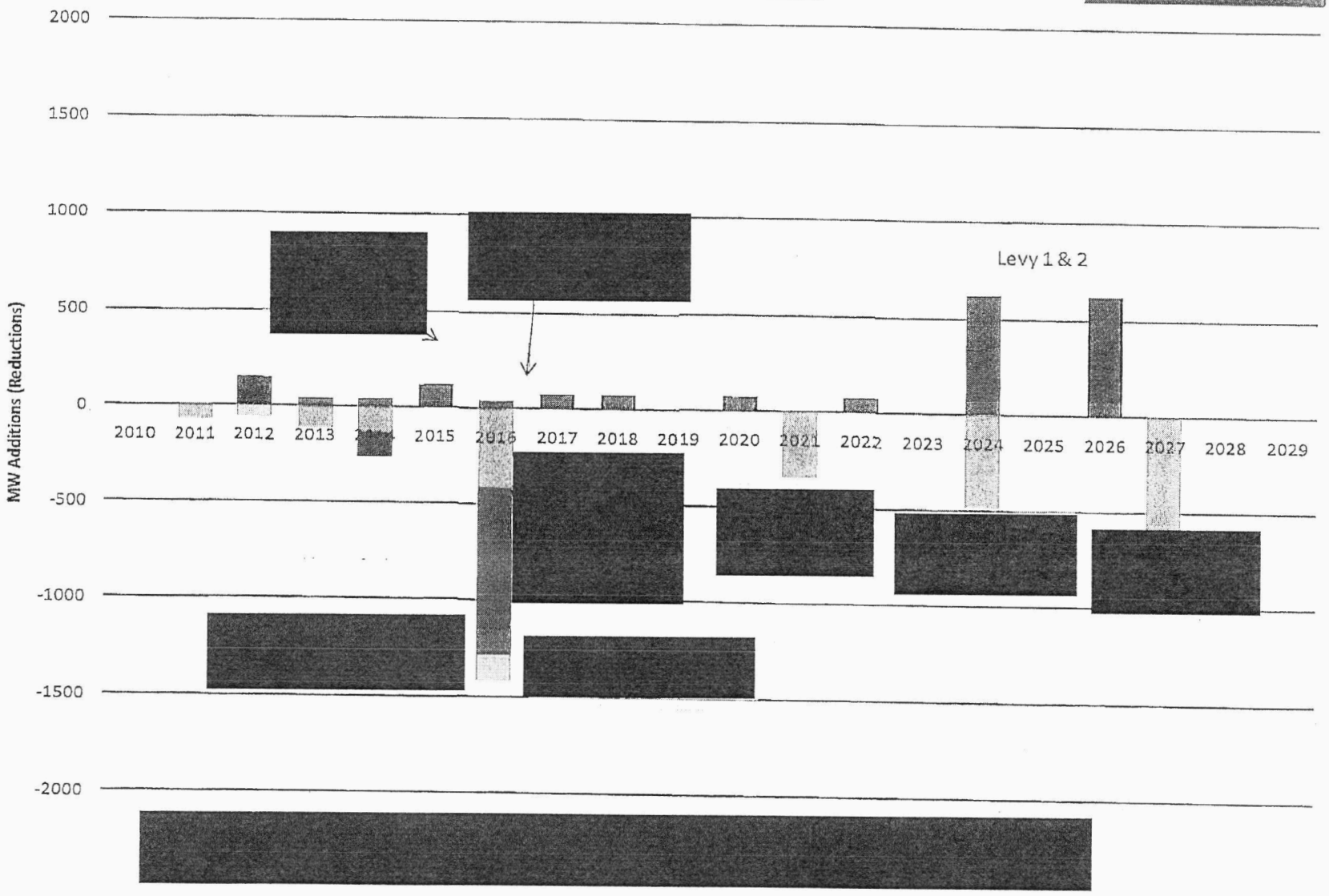
REDACTED



Scenario: Aggressive Mandate for Change

Resource Plan

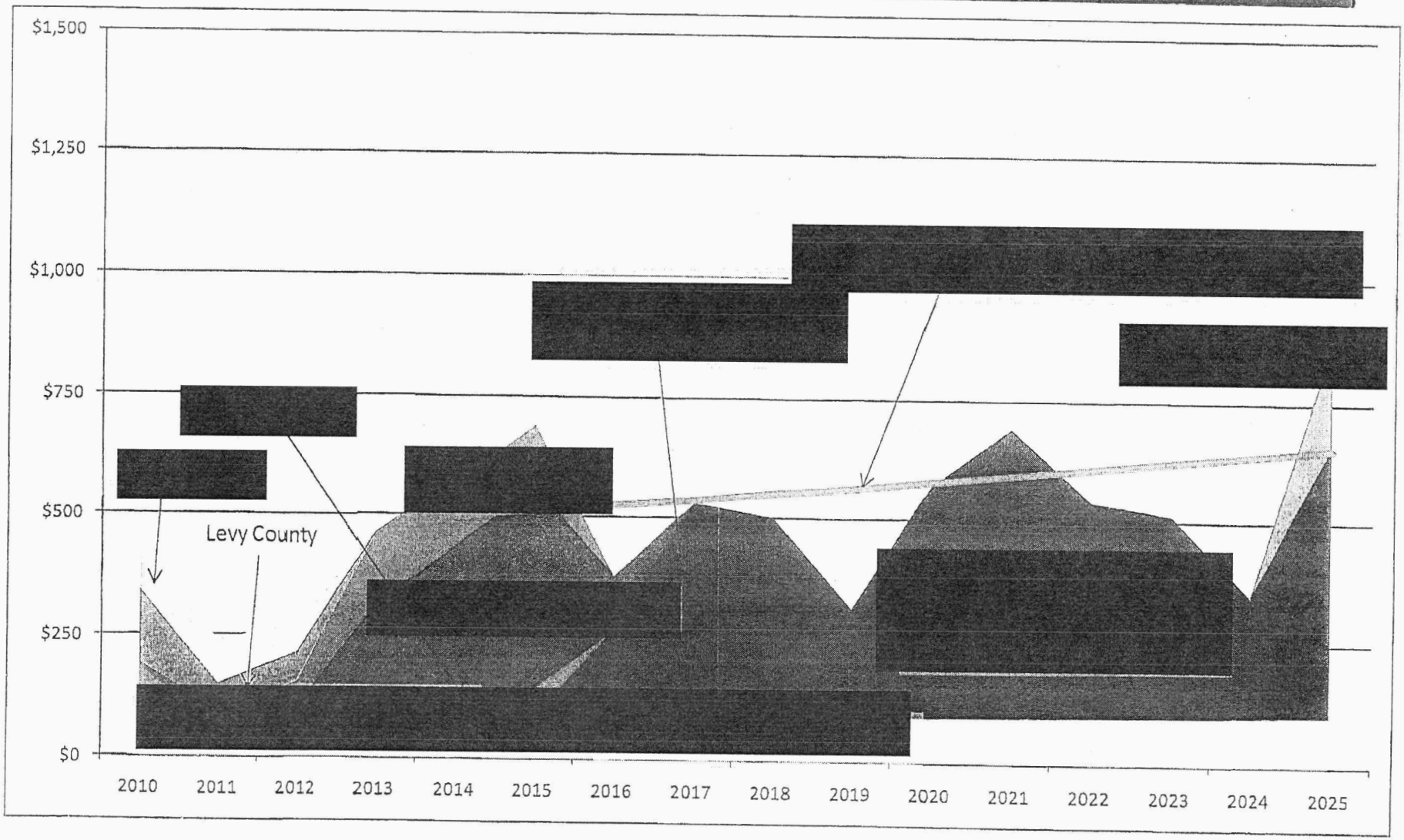
REDACTED



Scenario: Business as Usual

Strategic Capital

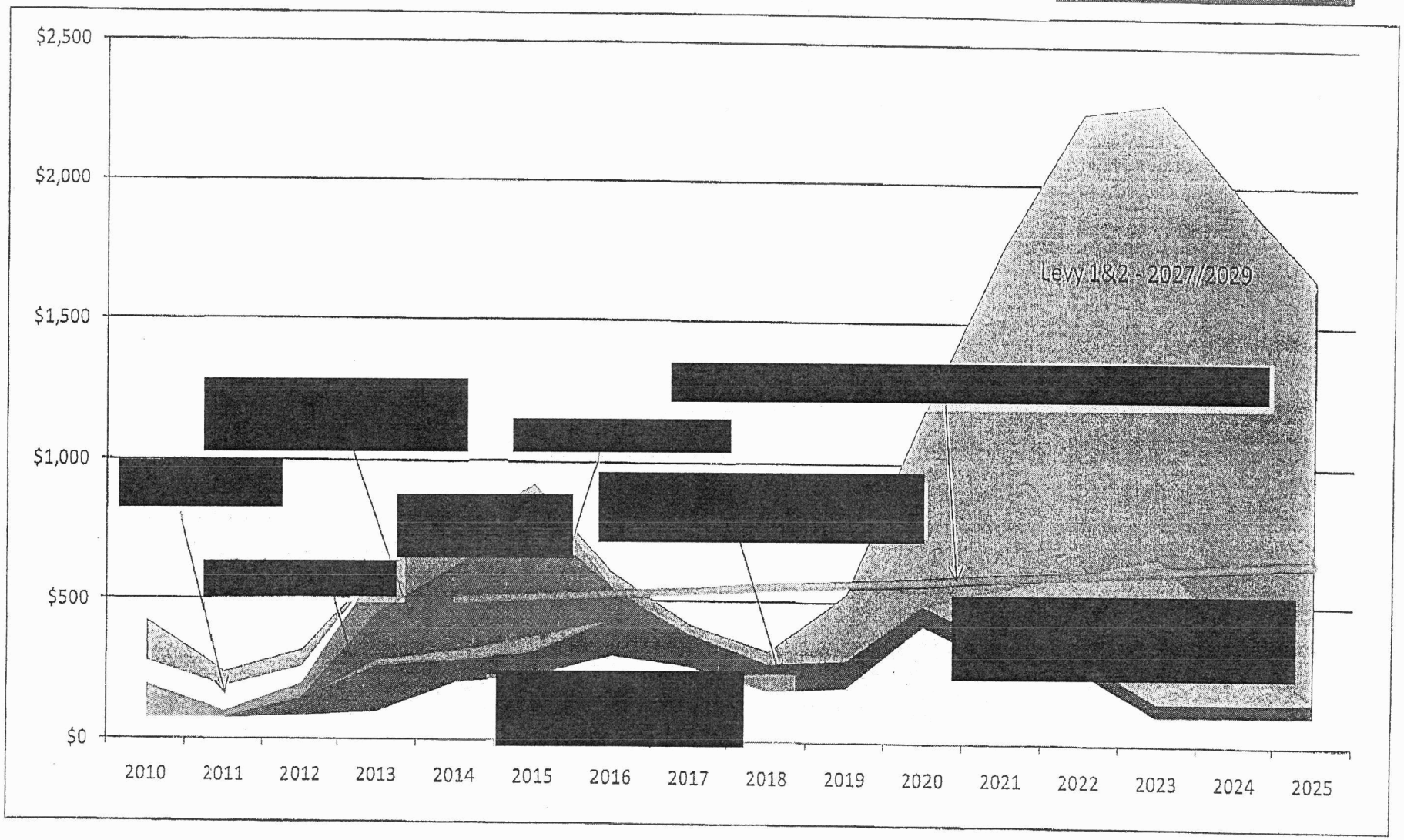
REDACTED



Scenario: Technology Driven Change

Strategic Capital

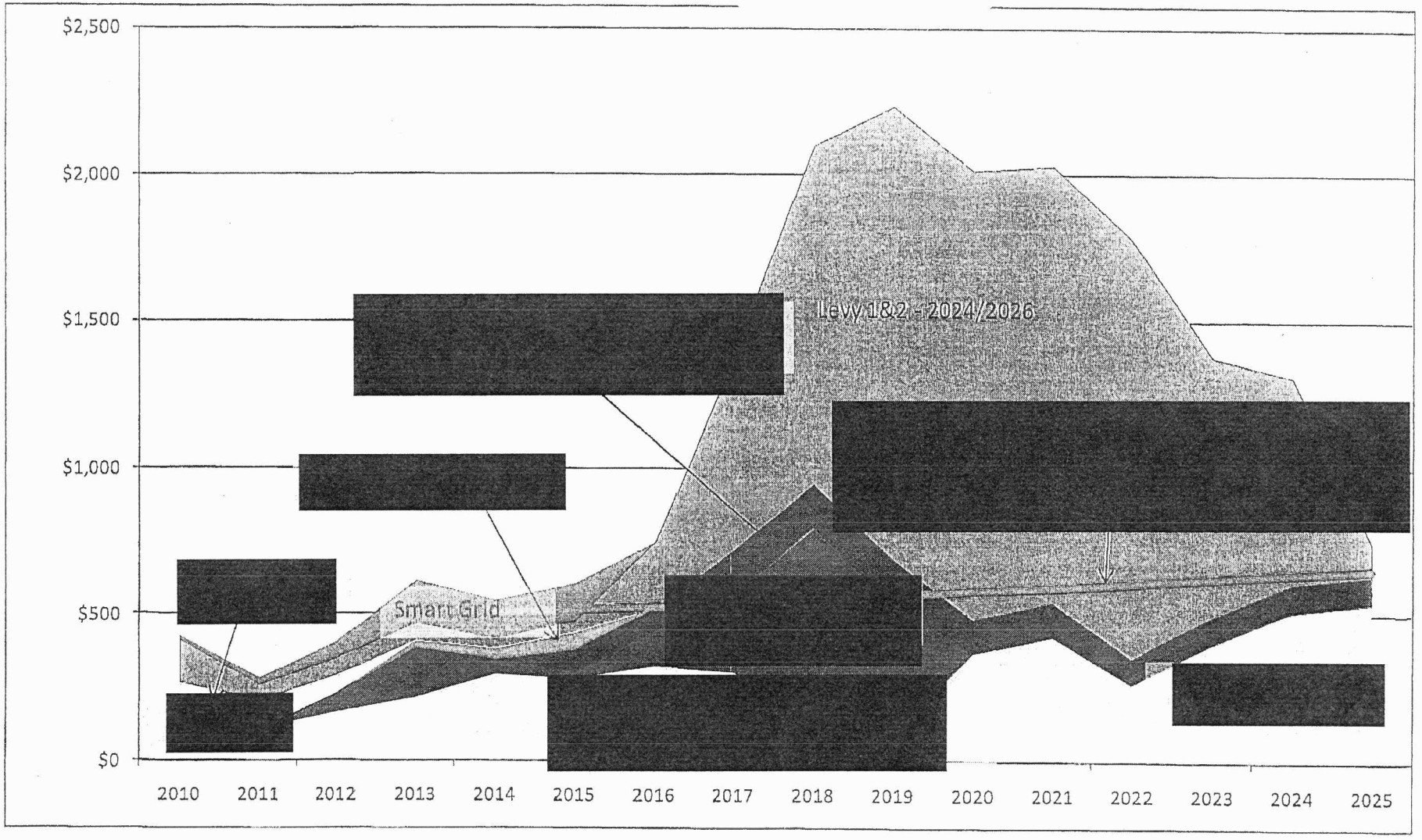
REDACTED



Scenario: Aggressive Mandate for Change

Strategic Capital

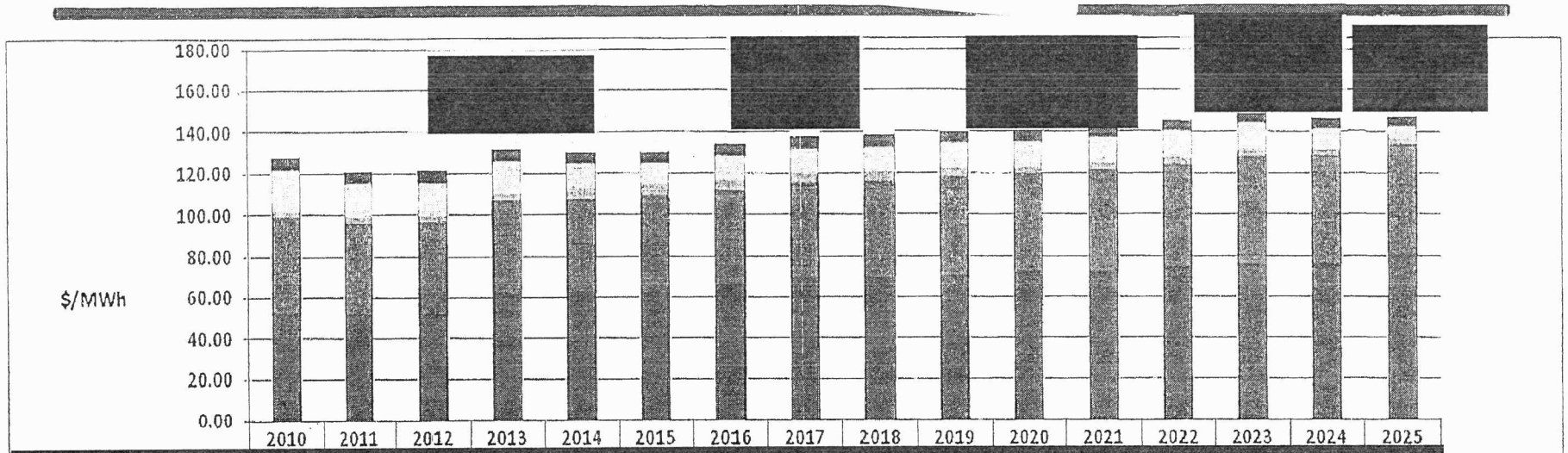
REDACTED



Scenario: Business as Usual

Residential Rate for 1,000 kWh

REDACTED



[redacted]

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Capacity/Nuclear	20.38	16.40	16.13	15.61	12.74	10.13	11.62	11.76	12.33	12.47	12.64	12.99	13.30	13.63	10.63	6.24

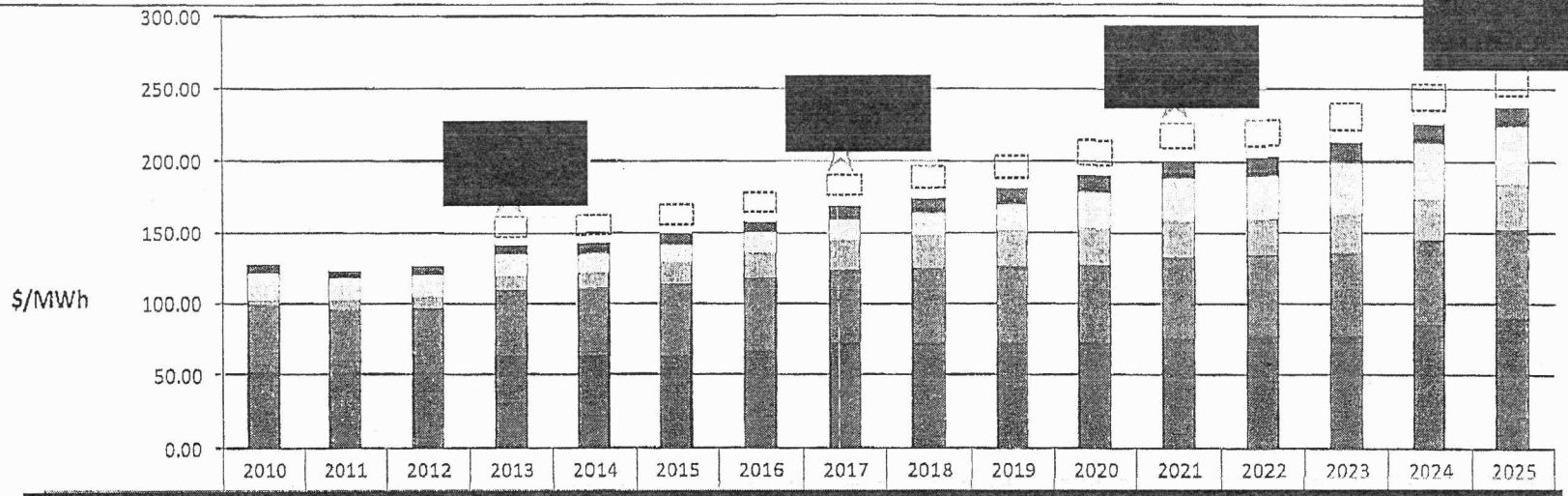
[redacted]

[redacted]

Scenario: Technology Driven Change

Residential Rate for 1,000 kWh

REDACTED

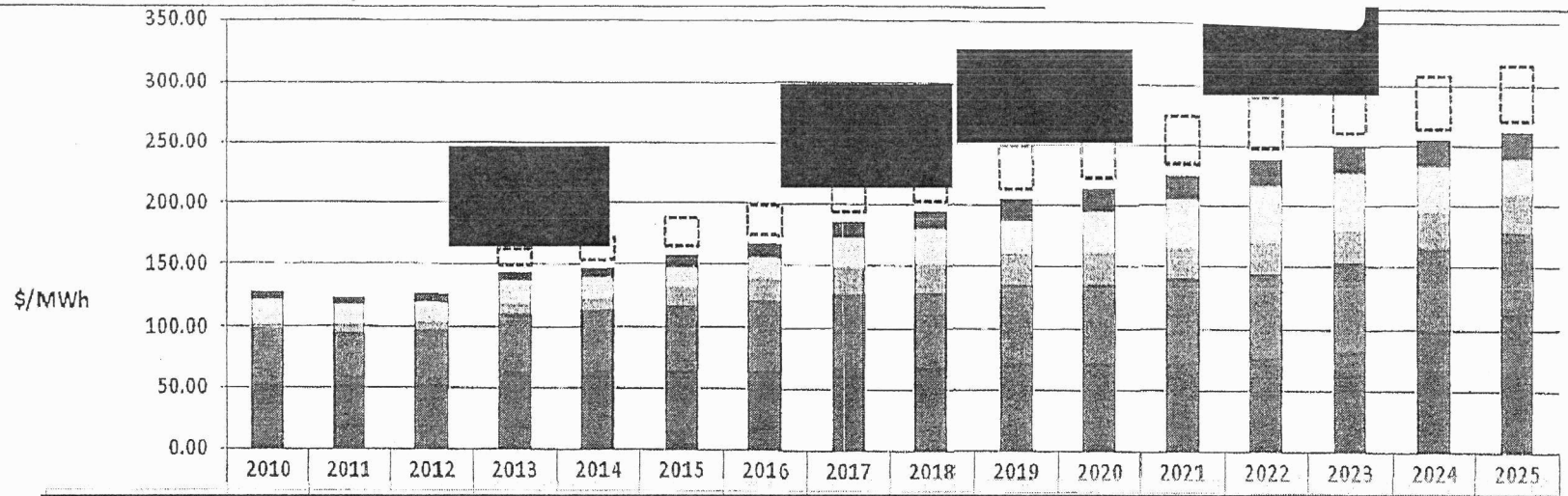


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Capacity/Nuclear	20.38	16.31	16.41	16.42	14.17	13.04	14.49	15.49	16.56	18.67	26.41	30.23	30.28	36.57	38.68	38.87

Scenario: Aggressive Mandate for Change

Residential Rate for 1,000 kWh

REDACTED



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Capacity/Nuclear	20.38	16.31	16.42	17.93	15.51	15.14	18.00	24.89	29.00	26.89	34.08	40.35	47.09	48.55	38.42	29.49

Docket: 110004-EI
Witness: John Elmitsky

EPC RFP Transmission Estimates: Exhibit 210

Transmission EPC contract budget amount [redacted]

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Nuclear Power Plant Cost Recovery Clause

Docket No. 110009-EI

Exhibit No. 212

Bates numbers

11PMA-DR1LEVY-20-000006

is redacted in its entirety